

Ministry of Energy and Mines  
BC Geological Survey

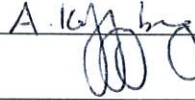
Assessment Report  
Title Page and Summary

TYPE OF REPORT [type of survey(s)]: Geochemical

TOTAL COST: \$7,354.16

AUTHOR(S): A. Koffyberg, PGeo & W.R. Gilmour, PGeo

SIGNATURE(S): 

  
A. Koffyberg

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

YEAR OF WORK: 2021

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): 5857321 (2021/Dec/21)

PROPERTY NAME: Jura North

CLAIM NAME(S) (on which the work was done): 1072550

COMMODITIES SOUGHT: copper, silver, molybdenum, gold

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: \_\_\_\_\_

MINING DIVISION: Similkameen

NTS/BCGS: 92H/09, 92H.058

LATITUDE: 49 ° 34 ' 30 " LONGITUDE: 120 ° 27 ' 27 " (at centre of work)

OWNER(S):

1) Blue River Resources Ltd 2) \_\_\_\_\_

MAILING ADDRESS:

Suite 2607 - 1128 Alberni Street

Vancouver, BC V6E 4R6

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

1) same 2) \_\_\_\_\_

MAILING ADDRESS:

same

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):

Upper Triassic Nicola Group basaltic and andesitic flows, mid-Cretaceous Summers Creek pluton, granodiorite,

mid-Jurassic Osprey Lake batholith, granitic pluton

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: 35098, 33285, 32480, 32421, 32187,

31835, 30097, 20707, 20113, 19165, 6292, 4555, 3189, 318

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
<b>GEOLOGICAL (scale, area)</b>			
<b>Ground, mapping</b>	_____	_____	_____
<b>Photo interpretation</b>	_____	_____	_____
<b>GEOPHYSICAL (line-kilometres)</b>			
<b>Ground</b>			
<b>Magnetic</b>	_____	_____	_____
<b>Electromagnetic</b>	_____	_____	_____
<b>Induced Polarization</b>	_____	_____	_____
<b>Radiometric</b>	_____	_____	_____
<b>Seismic</b>	_____	_____	_____
<b>Other</b>	_____	_____	_____
<b>Airborne</b>	_____	_____	_____
<b>GEOCHEMICAL (number of samples analysed for...)</b>			
<b>Soil</b> 84, multi-element (39 elements)	_____	1072550	7,100.57
<b>Silt</b> 3, multi-element (39 elements)	_____	1072550	253.59
<b>Rock</b>	_____	_____	_____
<b>Other</b>	_____	_____	_____
<b>DRILLING (total metres; number of holes, size)</b>			
<b>Core</b>	_____	_____	_____
<b>Non-core</b>	_____	_____	_____
<b>RELATED TECHNICAL</b>			
<b>Sampling/assaying</b>	_____	_____	_____
<b>Petrographic</b>	_____	_____	_____
<b>Mineralographic</b>	_____	_____	_____
<b>Metallurgic</b>	_____	_____	_____
<b>PROSPECTING (scale, area)</b>			
<b>PREPARATORY / PHYSICAL</b>			
<b>Line/grid (kilometres)</b>	_____	_____	_____
<b>Topographic/Photogrammetric (scale, area)</b>	_____	_____	_____
<b>Legal surveys (scale, area)</b>	_____	_____	_____
<b>Road, local access (kilometres)/trail</b>	_____	_____	_____
<b>Trench (metres)</b>	_____	_____	_____
<b>Underground dev. (metres)</b>	_____	_____	_____
<b>Other</b>	_____	_____	_____
		<b>TOTAL COST:</b>	<b>\$7,354.16</b>

ASSESSMENT REPORT  
on the  
2021 GEOCHEMICAL SOIL SURVEY  
on the

**JURA NORTH PROPERTY**

Similkameen Mining Division, BC  
BCGS 92H.058

**For Owner / Operator**

**Blue River Resources Ltd**

Suite 2607 – 1128 Alberni Street  
Vancouver, BC  
V6E 4R6

**Exploration on Mineral Title: 1072550**

**Work Filed on Mineral Title: 1072550**

NTS:	092H/09
LATITUDE:	49° 34' 30"
LONGITUDE:	120° 27' 27"
AUTHORS:	A. Koffyberg, PGeo & W.R. Gilmour, PGeo
CONSULTANTS:	Discovery Consultants
DATE:	January 30, 2022

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## **SUMMARY**

This assessment report ("Report") describes the 2021 geochemical soil and silt survey by Blue River Resources ("Blue River") on the Jura North Property ("Property"). The work is part of an ongoing program of exploration for a copper-silver-molybdenum porphyry deposit. Fieldwork for the survey was carried out by personnel of Discovery Consultants of Vernon, BC.

The Property is located in south-central British Columbia, approximately 12 km northeast of Princeton, BC. The centre of the Property occurs at latitude 49° 34' 30" north and longitude 120° 27' 27" west. Access to the Property is by paved roads and well-maintained dirt roads from Highway 5A and the Princeton-Summerland Highway.

Geologically, the Property is situated in the southern part of the Quesnel Terrane and is mainly represented by late Triassic arc alkaline to calc-alkaline, mafic to intermediate volcanic rocks, and volcanic-derived sediments of the Nicola Group. On the Property, these lithologies occur as plagioclase and/or olivine porphyritic basaltic flows and altered andesitic flows. The Nicola Group volcanic rocks are in contact with the middle Cretaceous Summers Creek pluton in the north-central part of the Property. The eastern part of the Property is underlain by granodiorites of the mid-Jurassic Osprey Lake batholith. Eocene Princeton Group volcanic and sedimentary rocks underlie the western part of the Property.

The known mineralization, south of the Property, (the Rats prospect) consists of copper-silver-molybdenum mineralization hosted within northwest-trending brittle shear zones, sheeted veins, and breccia zones in massive basalt and mafic fragmental rocks of the Nicola Group. These rocks are hornfelsed within about 100 m of a monzodiorite border phase of the Summers Creek pluton. A post-mineral feldspar-hornblende-quartz porphyry dyke intrudes the mineralized zone.

An 84-sample geochemical soil program was performed on October 20 and 21, 2021. Three stream sediment silt samples were also collected. Fieldwork was performed by a 2-person crew.

The area of the survey was about 450 m east-west by about 650 m north-south. Generally, samples were collected on east-west lines about 100 m apart with about 50-m sample intervals. Sample locations were recorded with a GPS, and field observations about the sample sites and mineralogy recorded. No anomalous copper values, or other possible economic metal values, were noted in the soil and silt survey.

## **2.0 INTRODUCTION**

This assessment report ("Report") describes the 2021 geochemical soil sampling program on the Jura North Property ("Property"). Minor amount of silt samples were also collected. The Property is owned by Blue River Resources Ltd ("Blue River"). Discovery Consultants, of Vernon BC, was retained to manage the exploration program on the Property and to complete a report. Fieldwork pertaining to the geochemical sampling was performed by personnel of Discovery during October 20 and 21, 2021. The focus of the program was to explore for a porphyry copper-silver-molybdenum type deposit.

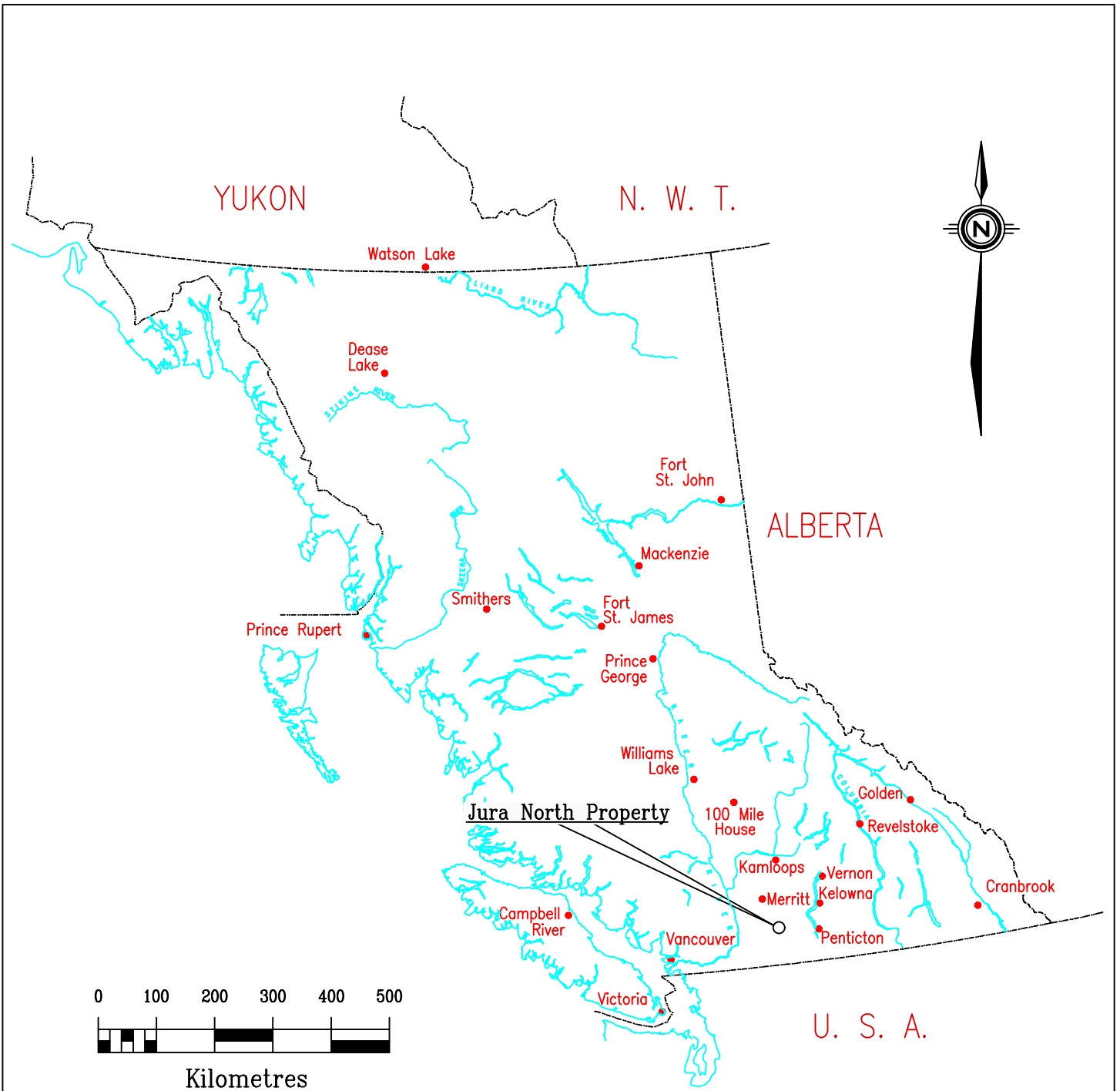
In 2014, Blue River had carried out mineral exploration in the general area of the Property. The area covered by title 1072550 was covered by title 616903 in 2014.

## **3.0 LOCATION AND ACCESS**

The Property is located within the southern Thompson Plateau of south-central British Columbia, approximately 12 km north of the town of Princeton, BC (Figure 3.1). The centre of the Property lies at latitude 49° 34' 30" north and longitude 120° 27' 27" west. It stretches about 1.8 km east-west and 1.8 km north-south.

The Property can be reached from the city of Princeton via Highway 5A for 0.5 km, then proceeding northeast along the Princeton-Summerland road for 9 km to the Jura FSR turnoff (also called the Hembrie Mountain Road). At the 3 km mark is the turnoff to access a network of forestry roads and trails for 1.5 km to the Property. Dirt roads and trails allow access to most areas of the Property. Some areas are best accessed by the use of an all-terrain vehicle.

The town of Princeton serves as the nearest supply centre. The Copper Mountain Mine, located 20 km south of Princeton, re-opened in 2009 and serves as a major employer in the region. The Property lies 36 km south of Highway 97C (the Okanagan Connector) running between Merritt and West Kelowna. A BC Hydro electrical transmission line runs north-south about 4 km west of the Property.



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Jura North Property

Property Location

#### **4.0 TOPOGRAPHY, VEGETATION & CLIMATE**

Physiographically, the Property lies within the southern Thompson Plateau. Topography in this region consists of gentle rolling hills. The Property ranges in elevation from about 1,100 m asl in the southwest to 1,300 m in the northeast. The terrain consists of open forest of pine, fir and aspen at higher elevations to the north; and open, grassy meadows and rangeland at lower elevations to the south. Outcrop exposure is scarce; it is believed that most of the Property is covered with colluvium. Road cuts and trenches provide the best rock exposures.

Drainage is via Christian Creek, which drains southeasterly into Hayes Creek. This creek flows southerly to join the Similkameen River in the Highway 3 valley east of Princeton. The Similkameen River flows east and south to join the Okanogan River south of the international border near Oroville, Washington State.

The local climate is classified as the Interior Dry Zone. Precipitation is light and varies from 30 to 50 cm per year, with 25 to 30% occurring as snowfall. Surface exploration work on the Property is most favourable between April and November, although year-round exploration is possible.

#### **5.0 PROPERTY DESCRIPTION**

The Property consists of one MTO mineral title and covers an area of about 335 hectares (Figure 5.1), within the Similkameen Mining Division and located on BC Geographic System (BCGS) map 092H.058; and National Topographic System map 092H09W. The title is 100% owned by Blue River. Assessment work in 2021 was done on a portion of mineral title 1072550. Table 5.1 lists the details of the mineral title.

A land title search shows that parts of the Property overlie private land ownership (Figure 5.1). According to the Mineral Tenure Act Regulations, surface land owners must be given a 10-day advance notice when access to the Property will use private roads to cross their land or when exploration occurs on their land. The land owners may apply to the BC Ministry of Energy and Mines ("BCMEM") to have Blue River post a bond to cover any reclamation of possible surface disturbance on their properties.

The southern boundary Property is located about 500 m north of the Rats prospect (Minfile 092HNE176), also known as the Jura Copper prospect. Previous work classified the showing as a porphyry copper-gold and related vein-stockwork type deposit.

**TABLE 5.1: Mineral Title Description**

<b>Title Number</b>	<b>Area (ha)</b>	<b>Registered Owner</b>	<b>Good to Date**</b>
1072550	335.19	Blue River Resources Ltd	2023/DEC/20

\*\* Good to date is dependent on the acceptance of this report

## **6.0 EXPLORATION HISTORY**

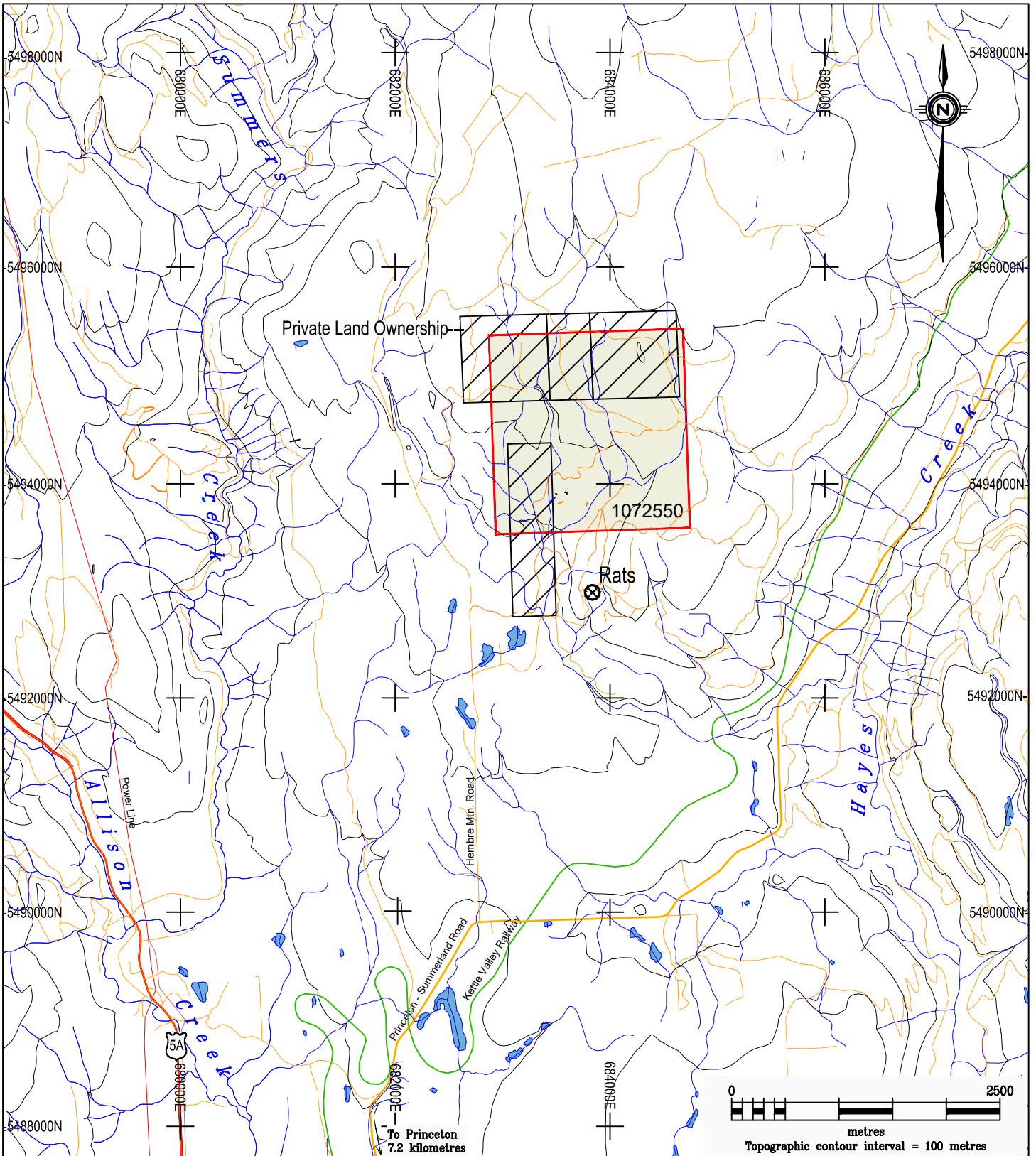
There are no known showings on the Property. The area of the Property and that surrounding the Property were explored by Blue River in 2014 (Assessment Report 35098). The exploration history of this area is described in this section.

The Rats prospect was initially explored by a single adit excavated some time prior to 1969. The nearby Lucky Strike prospect was explored in 1927 and 1928 with three adits and several test pits, suggesting that the adit at the Rats prospect may have been driven around the same year.

The first systematic, reported exploration work was conducted by Kennco Explorations (Western) Ltd (“Kennco”) in 1959. The company staked a large claim block termed the FH claims. An airborne magnetometer survey initially identified an area of high magnetic response. Kennco continued its exploration with regional scale geological mapping, a geochemical (soil) survey, geophysical (magnetic and IP) surveys, diamond drilling (four holes southeast of the Property) and 3,764 m of bulldozer trenching in 10 trenches (Anderson and Gower, 1959). Most of this work was focussed in the area of the Lucky Strike prospect to the south.

The Elk and Sleeper group of claims was staked in 1965 by J.P. Wishart and transferred to Cop-Ex Mining in 1967. Subsequently, Amax Exploration Inc assessed the ground and in 1970 and 1971 conducted geological mapping, geochemical and geophysical surveys (magnetometer and induced polarization) on the property (von Rosen, 1971). The company also staked the Rok claims in 1970 adjoining the Elk group of claims on the northern boundary, and carried out geochemical, geological and magnetic surveys (Morton and Hodgson, 1971). The Rok claims were underlain predominantly by intrusive rocks, and no significant geochemical anomalies were produced (Christoffersen, 1989a).

In 1972, Cop-Ex Mining carried out an induced polarization (“IP”) survey, geochemical soil



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Jura North Property

2021 Prospecting  
**Mineral Title Location**

Date: Jan.30, 2022	Project: 937	Scale: 1:50000	N.T.S.: 92H.058	Mining Div: Similkameen	Figure: 5.1
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surveys, trenching, percussion and diamond drilling programs on the Elk and Sleeper group of claims (McClaren, 1972). A total of 1,585 m of percussion drilling in 28 holes was completed. Of these, the company drilled 7 percussion holes, ranging from 30 to 73 m depths on the main copper (Rats) prospect. The best intersection was 0.37% Cu over 24 m (United Mineral Services, 1976). Outside of the main area of interest, deep overburden and caving prevented much of the percussion drilling from reaching bedrock. Note that the results of this drill program when originally released (George Cross New Letters, 1972), erroneously reported copper grades in the order of 1% Cu, instead of the correct 0.1% Cu.

This work was followed up by an 8-hole, 1,141 m diamond drill program in late 1972 and early 1973. Five holes were drilled in 1972, in the area of the Rats prospect, termed the North Zone, for a total of 711 m. Two of these holes reached bedrock, had good core recovery (DDH72-3 and 72-4), and intersected massive andesites and tuffs with some epidote and K-feldspar alteration. The best intersection was 0.3% Cu over 18 m (United Mineral Services, 1976). [Note: the hole number and its location were not reported]. In early 1973, 430 m of diamond drilling were carried out in 3 holes; 2 located northwest of the North Zone and one south of Christian Creek. The best intersection was 0.22% Cu over 3.0 m in DDH73-2 (Hogan, 1973).

In 1973, a ground magnetometer survey was completed over some of the same ground surveyed by Amex in 1971, for Titan-Polaris Mines on its Ho claims (Nielsen and Guttrath, 1973).

During the mid-1970s, Quintana Minerals Corp optioned the Pioneer claims, which formed a large claim block. In 1977, the company focussed its work on the historic Lucky Strike prospect to the south, completing a program of geological mapping and rock geochemistry (Wolfhard, 1977).

In 1986, L. Nyman staked the Rats and Rats 1 claims. The property was evaluated by Count Fleet Exploration Ltd, which completed geological mapping and geochemical rock sampling over the area of historic trenching (St. Louis, 1986).

J.E. Christoffersen staked the Mac and Boch 1-4 claims in 1988, with the Mac claim replacing the Rats claim. He completed a detailed geological map at a scale of 1:2500 of the historic trenches, and conducted a geochemical soil survey over the property (Christoffersen, 1989b). Noranda Exploration Company evaluated the property and collected 27 rock samples.

The property was later optioned to Cominco and in 1990 the company conducted IP and

magnetometer surveys, extending the IP anomaly outlined by Kennco in 1959 to the east and south (Pauwels, 1990). This area has also been known as the Bonacci and Lucky properties.

L.R. Sostad acquired the Rats claim in 2006. A limited mobile-metal-ion (MMI) soil survey was done on two sub-parallel contour-oriented grid lines the same year (McLeod, 2008).

In 2008, the Property, which then comprised five MTO mineral claims, was named the Castle Copper Property and optioned to Blue River. The company carried out extensive exploration programs in 2008 and 2009, focussing on the historic trenches and nearby exposures (Arseneau, 2011). The work included:

- a VLF-EM geophysical survey along with a limited magnetic survey. The results indicated localized northerly, northwesterly and northeasterly structures which may be related to structures responsible for the copper mineralization found in the trenches
- a geochemical soil survey over a 550 m by 200 m area over the historic trenches. Of the 542 samples collected, 75 samples were greater than 20 ppm Cu, 35 samples were greater than 500 ppm Cu and 24 soils returned values greater than 1,000 ppm Cu.
- re-opening the historic trenches (Rats prospect). The trenches exposed copper sulphide and copper oxide mineralization
- excavation of 12 small trenches / road cuts along a south-facing slope on a ridge north of Christian Creek. Grab rock samples typically yielded from 0.1 to 0.9 % Cu, with one sample returning a value of 10.4% Cu

In addition, an airborne AeroTEM electromagnetic and magnetic survey was flown over the Property in June 2009.

In 2010, Blue River earned its interest in the Property. The company expanded its exploration focus, conducting a gridded soil survey on north-south lines west and south of the historic trenches, as well as a ground magnetometer survey (Gray, 2010). In total, 129 soil samples were collected and underwent multi-elemental analysis. No anomalies were produced for copper, gold or molybdenum. The magnetometer readings along the grid returned low responses.

Later in 2010, a ground geophysical (VLF-EM and magnetometer) survey was conducted north of the Property, and consisted of two 3 line-km east-west lines spaced 200 m apart. The survey was successful in defining geophysical anomalies along the lines, which were located two km north of the area of known copper mineralization at the Rats prospect (Garrow, 2011a).

In 2011, a geophysical (VLF-EM and magnetometer) survey of 5 line-km was completed across the main Rats prospect, comprising 4 east-west lines spaced 200 m apart. The VLF-EM response outlined three anomalies on a roughly north-south trend. The magnetometer data showed an anomaly in the south-central part of the grid (Garrow and Scott, 2011). Later that year, an in-fill survey was completed (21 line-km). Weak conductors outlined possible north-trending faults (Garrow, 2011b).

An NQ diamond drill program was carried out in 2011 in 12 holes, for a total of 1,349 m. The drill program focussed on the area of historic trenching, and on areas of coincident geochemical and geophysical anomalies. Best results were 43 m of 0.16% Cu in hole BXR-11-4; 90 m of 0.09% Cu in hole BXR-11-7; and 201 m of 0.04% Cu in hole BXR-11-9 (Gray, 2012).

In 2013, geologists from the British Columbia Geological Survey ("BCGS") collected five rock samples from the area in and around the Rats prospect, as part of a regional mapping project over the southern Nicola Arc (Mihalynuk et al., 2014).

In 2014 Blue River continued with exploration. Rock sampling (24 samples) focussed on the area in and around the Rats prospect (Koffyberg, 2015). Trenches built as road cuts in previous exploration programs provided exposure of outcrops along several contours on the hillside. Rock grab sampling focussed on visible mineralization along the trails/trenches, and on exposed shear zones / fracture zones. Mineralized rocks were sampled in outcrop where possible, and also as loose rock at the base of the road cut trenches along trails.

## **7.0 GEOLOGY**

### **7.1 Regional Geology**

The Property is situated within the southern part of the Quesnel Terrane of the Intermontane Belt. The Quesnel Terrane is mainly represented by late Triassic / early Jurassic, arc alkaline to calc-alkaline, mafic to intermediate, sub-marine to sub-aerial volcanic rocks and volcanic-derived sediments of the Nicola Group (Preto, 1979). This belt of volcanic rocks, along with co-magmatic alkaline intrusions, is some 40 to 50 km wide and extends throughout the length of the Intermontane Belt to northern British Columbia. The belt is known to host numerous porphyry copper-gold deposits, including Copper Mountain, New Afton, Mt. Polley, Mt Milligan and Galore Creek.

In southern British Columbia, Nicola Group rocks have been intruded by numerous coeval plutons ranging from diorite, monzonite and syenite, to granodiorite and granite. Important

copper-gold deposits in this region include Copper Mountain, Miner Mountain, Axe, Man/Prime and Big Kidd.

The Nicola Group volcanic-plutonic arc rocks in this region have been divided into three sub-parallel structural belts, referred to as the Western, Central and Eastern Belt, on the basis of physical and chemical differences of the rock assemblages (Preto, 1979). The Property lies within the Eastern Belt, described as submarine volcanic sedimentary rocks, lahar and basalt flows with co-magmatic stocks. The Summers Creek Fault, about 3.5 km west of the Rats prospect, separates rocks of the Central Belt from those of the Eastern Belt which underlie the Property. Farther west, the Allison Fault system separates Central Belt from Western Belt rocks (Preto, 1979). The volcanic and sedimentary rocks of the Nicola Group in this area have been regionally metamorphosed to lower greenschist facies (Mihalynuk et al., 2014).

The Nicola Group rocks have been intruded by large diorite to granitic plutons ranging in age from Triassic-Jurassic to early Tertiary (Monger and McMillan, 1989). In the area of the Property, the volcanic package is bounded to the northeast by the middle Cretaceous Summers Creek pluton, of granodiorite composition. To the east is the mid-Jurassic age Osprey Lake batholith, a large, composite intrusive complex that comprises granite with megacrystic feldspars (Mihalynuk and Logan, 2013).

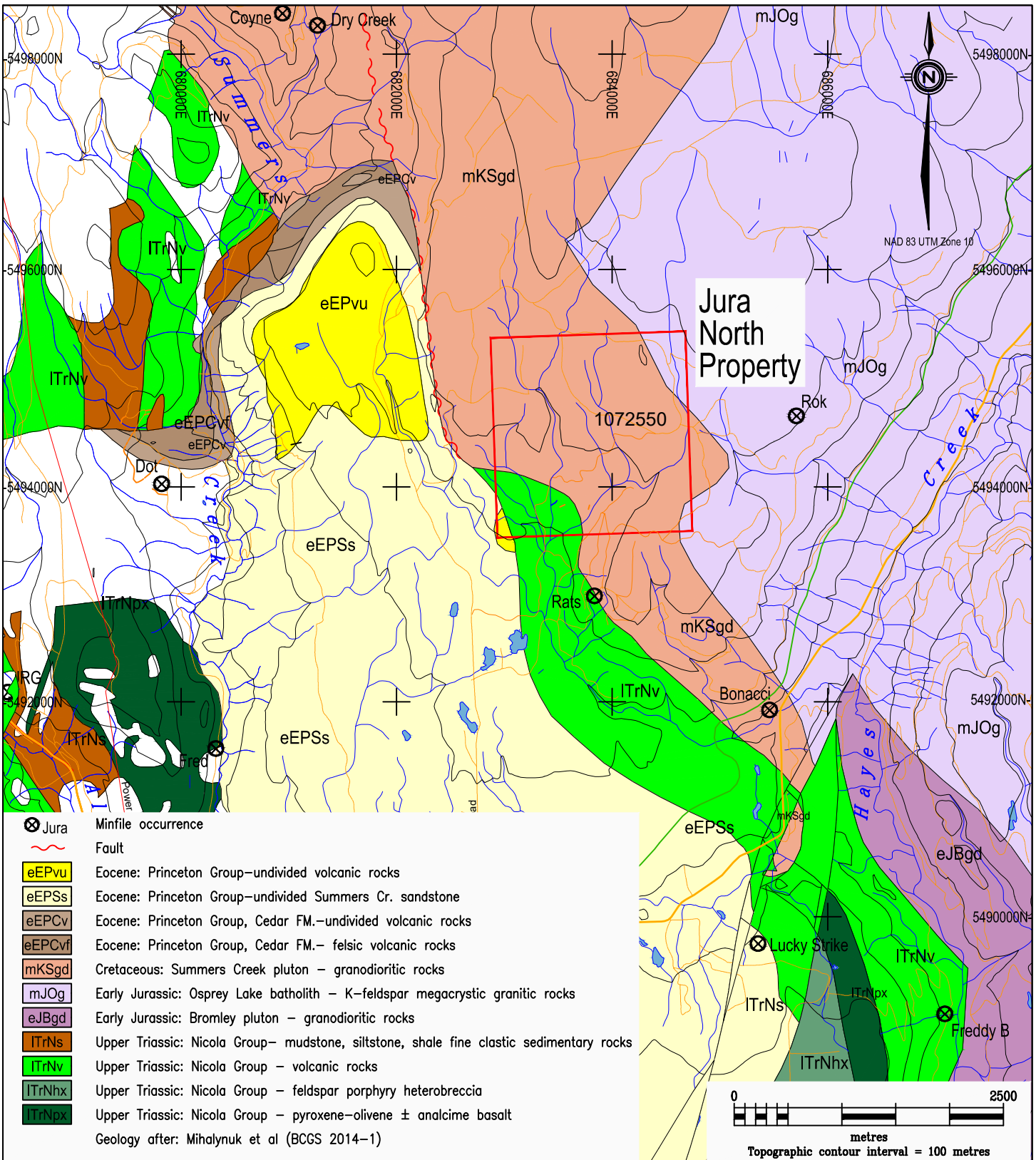
The youngest rocks in the region are the Eocene volcanic and sedimentary rocks of the Princeton Group.

## **7.2 Property Geology**

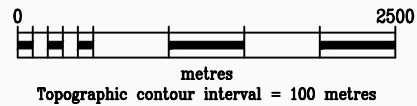
The Property was geologically mapped and described by St. Louis (1986) and Christoffersen (1989). Recent regional mapping and rock sampling by geologists of the BCGS has increased the understanding of the regional scale geology (Mihalynuk et al., 2014). The following description is summarized from these reports.

The Property is mainly underlain by basaltic and andesitic flows of the Upper Triassic Nicola Group. These rocks consist mainly of plagioclase and/or olivine porphyritic basaltic flows and altered andesitic flows. Multi-directional shearing or fracturing is evident in outcrop, and is generally northeasterly and northwesterly. Magnetite is ubiquitous as fine disseminations. The Nicola Group volcanic rocks strike in a northwesterly direction.

Recent mapping by the BCGS (Mihalynuk et al., 2014) has extended the southern boundary of



- X Jura Minifile occurrence
  - Fault
  - eEPvu Eocene: Princeton Group—undivided volcanic rocks
  - eEPSs Eocene: Princeton Group—undivided Summers Cr. sandstone
  - eEPCv Eocene: Princeton Group, Cedar FM.—undivided volcanic rocks
  - eEPCvf Eocene: Princeton Group, Cedar FM.— felsic volcanic rocks
  - mKSgd Cretaceous: Summers Creek pluton – granodioritic rocks
  - mJOg Early Jurassic: Osprey Lake batholith – K–feldspar megacrystic granitic rocks
  - eJBgd Early Jurassic: Bromley pluton – granodioritic rocks
  - ITrNs Upper Triassic: Nicola Group– mudstone, siltstone, shale fine clastic sedimentary rocks
  - ITrNv Upper Triassic: Nicola Group – volcanic rocks
  - ITrNhx Upper Triassic: Nicola Group – feldspar porphyry heterobreccia
  - ITrNpx Upper Triassic: Nicola Group – pyroxene–olivene ± analcime basalt
- Geology after: Mihalynuk et al (BCGS 2014–1)



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Jura North Property

Regional Geology

Date: Jan.30,2022	Project: 937	Scale: 1:50000	N.T.S.: 92H.058	Mining Div: Similkameen	Figure: 7.1
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the middle Cretaceous Summers Creek pluton to a location southeast of the Rats prospect. Here, the Nicola Group volcanic rocks are in contact with the Summers Creek pluton and not in contact with the middle Jurassic Osprey Lake batholith, as previously thought. The western edge of the Osprey Lake batholith is now further east. Note that various historical mapping programs, as described in assessment reports, show a much more complex and at times contradictory geology than is shown in Figure 4.1.

The Eocene Princeton Group basalts and sedimentary rocks, which comprise shales, arkoses and sandstones, occur southwest the Property.

Hayes Creek valley to the east of the Property, and the Christian Creek valley represent local faults (von Rosen, 1971).

Known mineralization 500 m south of the Property is named the Rats prospect, also called Castle or Jura prospect. Cu-Ag±Mo mineralization is hosted in northwest-trending brittle shear zones, sheeted veins, and breccia zones in massive basalt and mafic fragmental rocks of the Nicola Group. These rocks are hornfelsed within about 100 m of a monzodiorite border phase of the Summers Creek pluton. A post-mineral feldspar-hornblende-quartz porphyry dike intrudes the mineralized zone (Mihalynuk et al., 2014).

At the Rats prospect, two styles of alteration and mineralization are recognized, one with K-feldspar, magnetite, actinolite and epidote with chalcopyrite, the other with albite, epidote, magnetite, pyrite, and chalcopyrite in quartz and calcite veins/stockworks. Minor bornite and possibly chalcocite have also been noted (Gray, 2010). Malachite staining is common on surface and in fractures, along with clays, iron oxide and minor carbonate.

## **8.0 2014 GEOCHEMICAL ROCK PROGRAM**

### **8.1 Sampling Method and Approach**

An 84-sample geochemical soil program was performed on October 20 and 21, 2021. Three stream sediment silt samples were also collected. Fieldwork was performed by a 2-man crew.

The area of the survey was about 450 m east-west by about 650 m north-south. Generally, samples were collected on east-west lines about 100 m apart with about 50-m sample intervals. Sample locations were recorded with a GPS, and field observations about the sample sites were recorded (Figure 8.1).

The Property was accessed using a 4-wheel drive vehicle, travelling on a daily basis from Princeton. In total, 87 samples were sent for analysis. Samples were collected in plastic bags, placed in rice bags and sent to MSA Labs ("MSA") in Langley, BC.

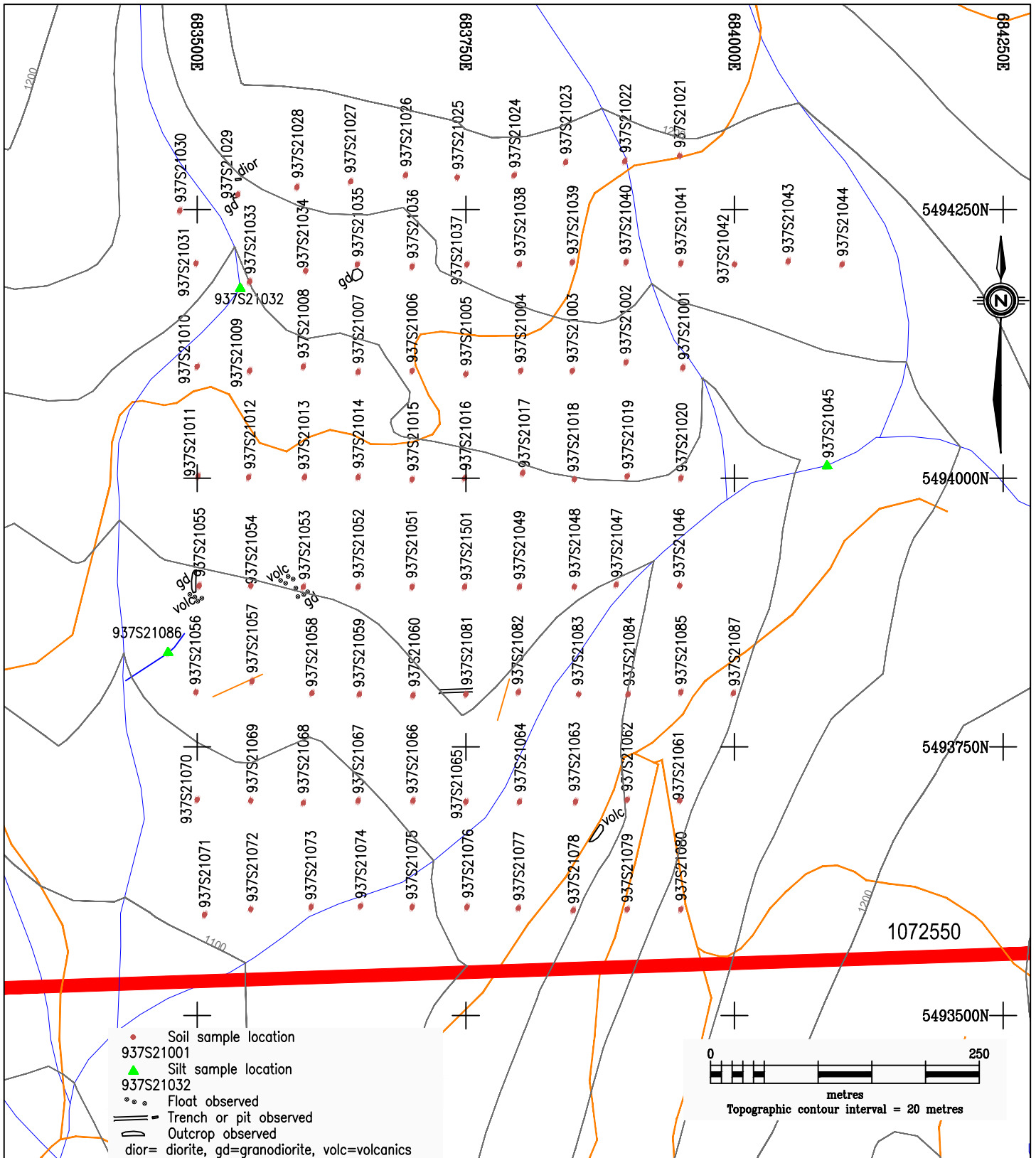
## **8.2 Sample Preparation, Analysis, QC/QA**

At MSA, the soil and silt samples were dried at 60° C and sieved to -80 mesh (<180 microns). Sub-samples (0.5 g) were digested in hot (95° C) aqua regia (HCl-HNO<sub>3</sub>-H<sub>2</sub>O); following which the samples were analysed by inductively-coupled plasma emission spectrometry/mass spectrometry (ICP-ES/MS) techniques for a multi-element suite of 39 elements (MSA's Group IMS-127). The analytical results are shown in Appendix I.

Laboratory quality control samples included control blanks, duplicates and standards. No problems were noted with either analytical accuracy or precision.

## **8.3 Results**

No anomalous copper (Figure 8.2), or other possible economic metals, values were noted in the soil and silt survey. One soil sample appeared anomalous in copper, however, the sample was black, organic material from the A horizon. A few exposures of rock, as outcrop, in old trench/pit, or along bush roads, or as float, were noted (Figure 8.2).

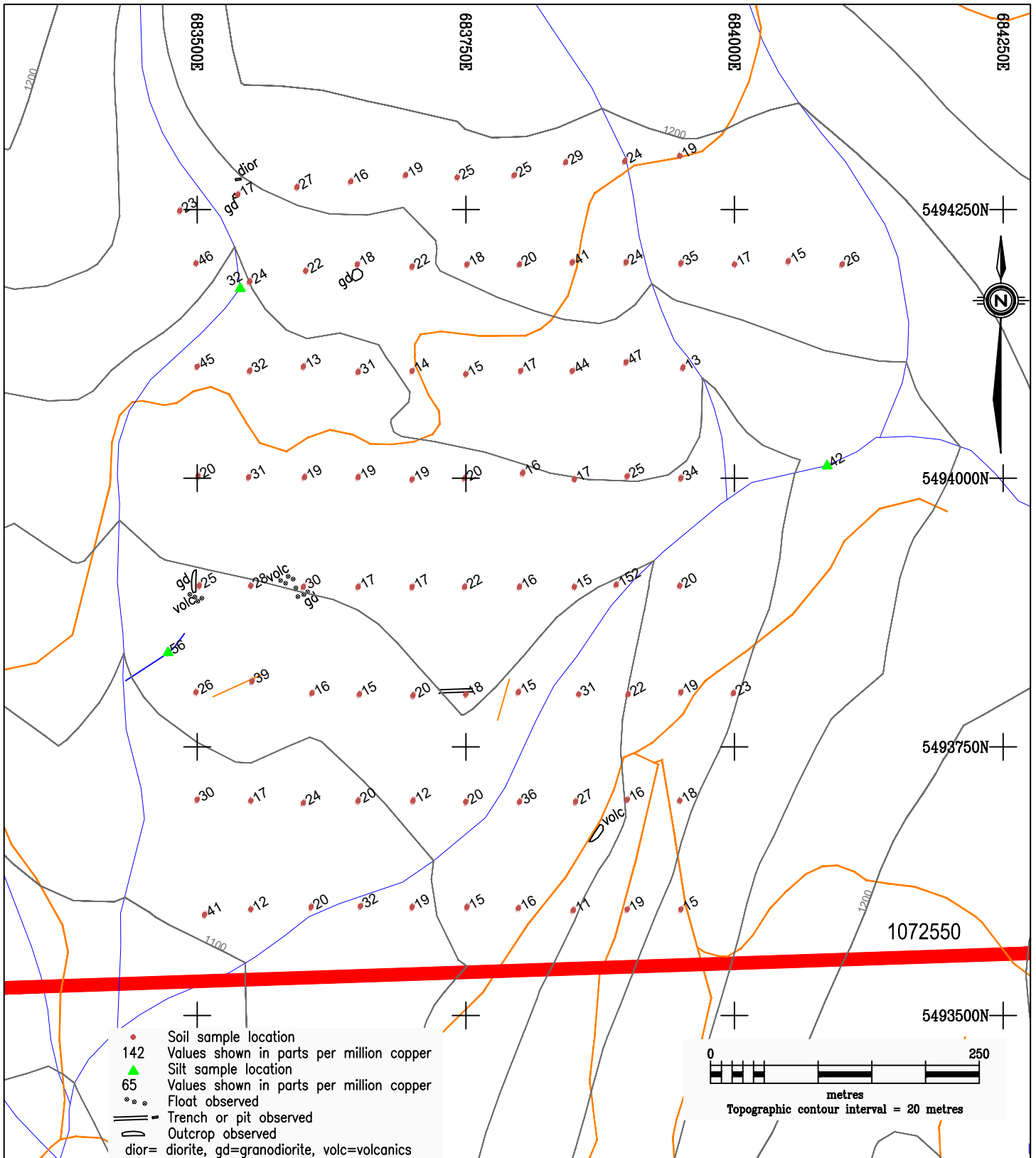


**DISCOVERY** Consultants

**BlueRiver**  
RESOURCES

Jura North

2021 Prospecting  
Sample Locations



**DISCOVERY** Consultants

**BlueRiver**  
RESOURCES

Jura North

2021 Prospecting  
**Copper Values**

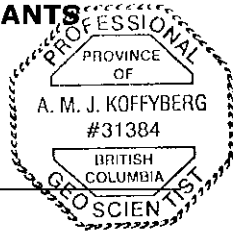
## 9.0 CONCLUSIONS

The area explored by the soil survey is generally over a portion of the contact area between the Nicola Group volcanic rocks to the west and the Summers Creek pluton to the east. No anomalous copper values, or other possible economic metal values, were noted in the soil and silt survey. Colluvium appears to be the most common type of overburden. Previous percussion drilling has indicated that relatively thick overburden can occur. This would mask the geochemical signature of bedrock.

**Respectfully submitted,**

**DISCOVERY CONSULTANTS**

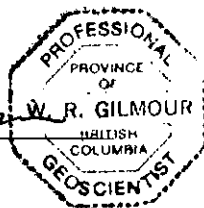
*A. Koffyberg*



A. Koffyberg, PGeo

Vernon, BC  
January 30, 2022

*W.R. Gilmour*



W.R. Gilmour, PGeo

Vernon, BC  
January 30, 2022

## 10.0 REFERENCES

- Anderson, J.M., and Gower, J.A. (1959): Report on the geological, geochemical and geophysical surveys on the F.H. Group, Princeton Area, for Kennco Explorations (Western) Limited, Assessment Report 318
- Arseneau, G. (2011): Technical Report on the Castle Copper Project, Princeton, British Columbia, for Blue River Resources, 43-101, 36 pp, report filed on SEDAR
- British Columbia Ministry of Energy and Mines: MINFILE 092HNE 176
- British Columbia Department of Energy, Mines and Petroleum Resources; Geology, Exploration and Mining, 1973 p 137-138
- Christoffersen, J.E. (1989a): Report on a Porphyry Gold-Copper Prospect on the BOCH and MAC Claims at Jura, near Princeton, Minfile Property ID\_60437
- Christoffersen, J.E. (1989b): Geological and Geochemical Report on the BOCH and MAC mineral claims, Similkameen Mining Division, for Sundial Resources, Assessment Report 19165
- Garrow, T. (2011a): Geophysical Report on the Castle Copper Property (RATS Property), for Blue River Resources, Assessment Report 32187
- Garrow, T. (2011b): Geophysical Report on the Castle Copper Property, for Blue River Resources, Assessment Report 32480
- Garrow, T. And Scott, T. (2011): Geophysical Report on mineral claim 530877, for Blue River Resources, Assessment Report 32401
- Gray, P.D. (2012): Technical Diamond Drilling on the Castle Copper Property, for Blue River Resources, Assessment Report 33285
- Gray, P.D. (2010): Geochemical and Geophysical Report on the Castle Property, for Blue River Resources, Assessment Report 31835
- Hogan, J.W. (1973): Summary of the Results and Conclusions on the Jura – Princeton Property, for Cop-Ex Mining Corp, Minfile Property File\_60435
- Koffyberg, A. (2015): Assessment Report on the 2014 Rock Geochemical Survey on the Castle Copper Property, for Blue River Resources, Assessment Report 35098
- McClaren, M. (1972): Report on the Cop-Ex Mining Corp Ltd, Jura Claims, Princeton, BC, Minfile Property File\_2227
- McLeod, J.W. (2008): Report on the RATS Mineral Claim, Christian Creek Project, for Larry R.W. Sostad, Assessment Report 30097
- Mihalynuk, M.G., Logan, J.M., Diakow, L.J., Friedman, R.M., and Gabites, J. (2014): Southern Nicola Arc Project (SNAP): Preliminary results. *in* Geological Fieldwork 2013, British Columbia Ministry of Energy and Mines, British Columbia Geological Survey Paper 2014-1, pp 29-57
- Mihalynuk, M.G. and Logan, J.M. (2013): Geological setting of Late Triassic porphyry Cu-Au mineralization at the Dillard Creek property near Merritt, southern British Columbia *in*

- Geological Fieldwork 2012, British Columbia Ministry of Energy and Mines, British Columbia Geological Survey Paper 2013-1, pp 97-113
- Morton, R.L. and Hodgson, C.J. (1971): 1971 Geological and Geochemical Report on the Jura Station – Rok claims, for AMAX Exploration, Assessment Report 3189
- Nielsen, P.P. and Gutrath, G.C. (1973): Geophysical Report of the Ground Magnetometer Survey, Ho Claim, Christian Creek, BC, for Titan-Polaris Mines Ltd, Assessment Report 4555
- Pauwels, A.M. (1990): Percussion Drilling and Induced Polarization Surveys, Lucky-Jura Property, for Cominco Ltd, Minfile Property File ID\_60436.
- Pauwels, A.M. (1990): Geophysical Surveys, Boch 3, Lucky, Lucky 2, , Mac Mineral claims, Princeton, for Cominco Ltd, Assessment Report 20113
- Preto, V.A. (1979): Geology of the Nicola Group between Merritt and Princeton, British Columbia Geological Survey Bulletin 69, 90 pp
- St. Louis, R.M. (1986): Report on the Geological Survey on the Rats claim group, for Count Fleet Explorations Ltd, Assessment Report 16135
- United Mineral Services (1976): Porphyry Copper Study of the Princeton Area and a Report on the Elk claims, for R. Dickinson, Minfile Property file ID 47881
- Von Rosen, G.E.A. (1971): Report on the Jura Copper Property, for Cop-Ex Mining Corp Ltd, Minfile Property File ID 53464
- Wolfhard, M. (1977): Geological and Rock Geochemical Report on the Pioneer #1 and #2, Jura Area, 92H 9W, for Quintana Minerals Corp, Assessment Report 6292

## 11.0 STATEMENT OF COSTS

### 1. Professional Services

W.R. Gilmour, PGeo			
Report writing			
8.00 hrs @	\$100 /hr		\$800.00
A. Koffyberg, PGeo			
Report writing, S of Cost			
5.00 hrs @	\$100 /hr		500.00
		-----	\$1,300.00

### 2. Personnel

Field Personnel - Soil Sampling (Oct 20-21, 2021)			
R. Mitchell	2 days @	600 /day	\$1,200.00
R. Tilsley	2 days @	600 /day	1,200.00
		-----	2,400.00
Office			
Drafting			\$325.00
Data Compilation			\$195.00
Secretarial			190.00
		-----	710.00
		-----	3,110.00

### 3. Expenses


Analytical - MSA Labs	87 soils & silt		2,145.36
Courier			80.04
Field Supplies			42.69
Field Radios			15.48
Lodging & Meals			298.36
Transportation	2.0 days @	\$50 /day	\$100.00
	374 km @	50 c/km	187.00
- fuel			75.23
		-----	362.23
	Total Disbursement-----		2,944.16
		-----	2,944.16
	<b>Total Expenditure:</b>		<b>\$7,354.16</b>

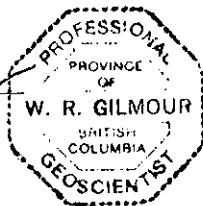


**I, William Gilmour, of Coldstream, British Columbia, do hereby certify that:**

- 1) I am a Geologist with Discovery Consultants, with a business address of Unit 10, 100 Kalamalka Lake Road, Vernon, BC, V1T 7M2.
- 2) I graduated with a Bachelor of Science in Geology from the University of British Columbia in 1970.
- 3) I am a member of the Engineers and Geoscientists BC (membership #19743).
- 4) I have been practicing my profession since graduation from university. I have over 45 years of experience in mineral exploration for a variety of base and precious metals. My working experience includes grassroots and reconnaissance exploration, project evaluation, geological mapping, planning and execution of drill programs, and project reporting.
- 5) I have been responsible for planning, supervising and data interpretation on Blue River's 2014 and 2021 exploration in the area.
- 6) The Engineers and Geoscientists BC firm permit number for Discovery Consultants is 1003564.

**Signed and Dated this 30th day of January, 2022, in Vernon, BC**

  
**William Gilmour, PGeo**  
**Discovery Consultants**



# **APPENDIX 1**

## **Soil and Silt Results**

**APPENDIX 1: SOIL AND SILTS GEOCHEMICAL RESULTS  
JURA NORTH PROPERTY, 2021 SURVEY**

Sample ID	UTM		Elevation m	Sample Type	Lab Report	Lab Method --->IMS-127-->								
	East m	North m				Rec Wt kg	Cu ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	
937S001	683952	5494103	1165	soil	YVR2111073	0.28	12.6	0.15	1.07	2.20	0.002	<10	138	
937S002	683899	5494108	1172	soil	YVR2111073	0.26	46.7	0.16	1.42	4.00	<0.001	<10	352	
937S003	683849	5494100	1172	soil	YVR2111073	0.32	44.4	0.20	1.76	3.90	<0.001	<10	281	
937S004	683801	5494100	1166	soil	YVR2111073	0.36	17.0	0.10	1.18	2.10	<0.001	<10	164	
937S005	683750	5494097	1161	soil	YVR2111073	0.29	14.5	<0.05	0.92	1.80	<0.001	<10	102	
937S006	683700	5494100	1158	soil	YVR2111073	0.38	14.2	0.10	1.23	2.40	<0.001	<10	259	
937S007	683650	5494099	1162	soil	YVR2111073	0.42	30.5	0.11	1.81	2.50	<0.001	<10	239	
937S008	683599	5494104	1159	soil	YVR2111073	0.30	13.4	0.11	1.17	1.70	<0.001	<10	252	
937S009	683549	5494100	1154	soil	YVR2111073	0.33	32.0	0.05	0.95	1.40	<0.001	<10	140	
937S010	683500	5494104	1153	soil	YVR2111073	0.34	44.6	0.13	1.05	2.30	0.002	<10	107	
937S011	683501	5494002	1139	soil	YVR2111073	0.35	19.6	0.05	0.72	1.90	0.002	<10	83	
937S012	683548	5494001	1145	soil	YVR2111073	0.41	30.6	0.22	1.57	3.30	<0.001	<10	455	
937S013	683600	5494001	1146	soil	YVR2111073	0.36	19.2	0.22	1.86	2.60	<0.001	<10	262	
937S014	683650	5494001	1152	soil	YVR2111073	0.42	19.4	0.08	1.66	2.00	<0.001	<10	205	
937S015	683700	5493999	1153	soil	YVR2111073	0.34	18.8	0.11	1.67	2.30	<0.001	<10	231	
937S016	683749	5494000	1152	soil	YVR2111073	0.42	19.7	0.13	1.55	2.70	0.002	<10	217	
937S017	683803	5494005	1152	soil	YVR2111073	0.30	15.6	0.09	1.13	2.00	0.002	<10	192	
937S018	683851	5493999	1155	soil	YVR2111073	0.35	17.1	0.07	1.12	1.70	<0.001	<10	139	
937S019	683900	5494002	1165	soil	YVR2111073	0.41	25.2	0.05	1.69	2.00	<0.001	<10	198	
937S020	683950	5494000	1161	soil	YVR2111073	0.42	34.4	0.09	1.59	2.50	<0.001	<10	227	
937S021	683949	5494300	1190	soil	YVR2111073	0.39	18.7	0.41	1.69	2.70	<0.001	<10	204	
937S022	683898	5494295	1188	soil	YVR2111073	0.54	23.7	0.19	1.50	2.70	<0.001	<10	210	
937S023	683843	5494294	1188	soil	YVR2111073	0.46	29.0	0.11	1.64	3.30	<0.001	<10	188	
937S024	683795	5494282	1189	soil	YVR2111073	0.57	24.7	0.21	1.88	3.50	0.001	<10	207	
937S025	683742	5494280	1189	soil	YVR2111073	0.53	24.6	0.22	1.81	3.20	<0.001	<10	206	
937S026	683694	5494282	1182	soil	YVR2111073	0.55	18.7	0.12	1.21	2.60	<0.001	<10	175	
937S027	683643	5494276	1177	soil	YVR2111073	0.58	15.9	0.13	1.40	2.40	<0.001	<10	140	

Sample ID	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg ppm	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm
937S001	0.14	0.32	0.25	5.3	11	1.75	3.1	0.01	0.06	4.6	0.17	535	0.52	0.02	6.5	1131
937S002	0.17	0.59	0.54	9.1	13	2.09	3.9	0.03	0.16	6.9	0.35	1385	0.87	0.02	8.1	1527
937S003	0.19	0.54	0.49	9.9	16	2.63	4.6	0.02	0.17	10.1	0.40	938	0.65	0.03	9.6	1741
937S004	0.13	0.34	0.19	6.1	18	2.66	3.3	0.01	0.10	6.0	0.22	537	0.70	0.02	6.5	1020
937S005	0.22	0.33	0.12	5.4	18	2.58	2.7	<0.01	0.12	6.0	0.21	314	0.50	0.02	5.6	559
937S006	0.13	0.27	0.24	5.8	11	1.74	3.3	0.02	0.07	4.3	0.21	966	1.21	0.02	5.9	1449
937S007	0.16	0.40	0.41	9.7	16	2.60	4.8	0.02	0.14	7.6	0.40	853	1.06	0.02	10.2	952
937S008	0.11	0.38	0.43	5.0	10	1.82	3.2	0.02	0.10	4.2	0.19	912	0.86	0.02	5.5	1727
937S009	0.14	0.35	0.25	5.0	14	2.09	2.6	0.01	0.18	7.2	0.20	519	1.35	0.02	5.3	614
937S010	0.15	0.46	0.16	6.5	17	2.50	3.2	0.02	0.08	11.8	0.24	382	1.03	0.02	5.9	222
937S011	0.13	0.40	0.14	6.7	18	2.70	2.4	0.01	0.13	8.2	0.23	333	0.53	0.02	5.2	632
937S012	0.12	0.67	0.88	6.5	10	1.71	3.9	0.03	0.10	6.3	0.24	1621	1.55	0.03	7.8	3525
937S013	0.16	0.54	0.53	6.7	13	2.16	4.4	0.03	0.08	7.0	0.27	922	1.23	0.03	8.3	2260
937S014	0.14	0.39	0.28	6.4	14	2.21	4.2	0.02	0.11	6.3	0.25	728	1.60	0.02	7.5	1357
937S015	0.12	0.41	0.33	5.8	12	2.02	3.9	0.02	0.09	6.0	0.22	874	1.15	0.03	7.4	1727
937S016	0.14	0.36	0.27	6.3	16	2.54	4.0	0.02	0.06	6.0	0.24	596	0.58	0.03	8.0	1797
937S017	0.12	0.37	0.34	5.7	16	2.47	3.0	0.02	0.09	4.9	0.19	597	0.82	0.02	6.1	1370
937S018	0.16	0.36	0.23	5.9	18	2.51	3.0	<0.01	0.10	6.0	0.22	393	0.71	0.02	6.4	784
937S019	0.18	0.41	0.26	8.2	18	2.71	4.3	0.01	0.14	9.5	0.32	922	0.61	0.02	8.2	396
937S020	0.17	0.58	0.26	9.6	20	2.90	4.2	0.01	0.21	8.9	0.34	804	0.66	0.02	9.5	732
937S021	0.16	0.52	0.35	5.8	13	2.03	3.9	0.03	0.09	5.7	0.25	654	0.76	0.03	7.2	1863
937S022	0.15	0.43	0.39	7.2	14	2.03	3.8	0.02	0.12	5.8	0.26	624	0.92	0.03	7.5	1205
937S023	0.15	0.39	0.45	7.4	14	2.15	4.0	0.03	0.13	5.6	0.28	908	1.19	0.03	8.3	1602
937S024	0.20	0.35	0.25	7.7	16	2.36	4.7	0.03	0.09	6.6	0.31	485	0.97	0.03	8.8	1792
937S025	0.17	0.39	0.32	7.8	16	2.68	4.7	0.02	0.10	6.2	0.30	578	0.77	0.03	9.3	1832
937S026	0.15	0.40	0.23	6.7	18	2.66	3.4	0.01	0.09	5.9	0.23	546	0.80	0.02	6.7	1434
937S027	0.15	0.31	0.17	6.7	17	2.67	3.4	0.01	0.07	5.9	0.24	411	0.70	0.02	6.4	846

Sample ID	Pb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sr ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm
937S001	6.7	<0.005	<0.01	0.17	1.4	<0.2	26.0	<0.05	0.7	0.07	0.06	0.40	47	0.13	3.4	109
937S002	11.6	<0.005	0.02	0.16	2.4	<0.2	41.6	<0.05	0.5	0.09	0.09	0.58	53	0.20	5.2	156
937S003	12.7	<0.005	0.02	0.19	3.4	<0.2	43.9	<0.05	0.7	0.11	0.10	0.84	68	0.22	8.1	149
937S004	8.1	<0.005	<0.01	0.18	2.4	<0.2	27.8	<0.05	1.2	0.09	0.06	0.48	75	0.19	4.2	99
937S005	7.8	<0.005	<0.01	0.19	2.4	<0.2	27.0	<0.05	1.8	0.09	0.06	0.44	76	0.17	4.4	63
937S006	7.2	<0.005	0.01	0.11	1.6	<0.2	25.7	<0.05	0.7	0.08	0.06	0.41	45	0.25	2.8	123
937S007	10.6	<0.005	0.01	0.18	3.1	<0.2	42.6	<0.05	1.9	0.13	0.11	0.69	69	0.23	5.0	158
937S008	6.7	<0.005	0.01	0.09	1.5	<0.2	29.1	<0.05	0.8	0.08	0.06	0.37	48	0.17	2.8	145
937S009	7.7	<0.005	<0.01	0.14	2.0	<0.2	25.9	<0.05	2.0	0.08	0.07	0.79	48	0.20	4.7	96
937S010	7.8	<0.005	0.01	0.16	2.5	<0.2	27.7	<0.05	3.5	0.09	0.07	1.49	58	0.32	9.3	46
937S011	9.4	<0.005	<0.01	0.17	2.1	<0.2	29.0	<0.05	1.9	0.07	0.05	0.61	80	0.23	5.0	49
937S012	7.8	<0.005	0.03	0.09	1.2	<0.2	48.6	<0.05	0.3	0.09	0.07	0.55	39	0.26	3.8	219
937S013	9.7	<0.005	0.03	0.12	1.8	<0.2	37.5	<0.05	0.5	0.10	0.07	0.70	53	0.22	4.8	154
937S014	8.4	<0.005	0.02	0.13	2.0	<0.2	30.9	<0.05	0.9	0.10	0.07	0.56	58	0.22	4.1	128
937S015	7.2	<0.005	0.02	0.11	1.7	<0.2	29.8	<0.05	0.6	0.10	0.08	0.50	52	0.19	3.9	147
937S016	7.8	<0.005	0.01	0.13	2.1	<0.2	28.5	<0.05	1.2	0.11	0.07	0.48	71	0.17	3.6	165
937S017	7.3	<0.005	<0.01	0.15	2.1	<0.2	29.5	<0.05	1.2	0.09	<0.05	0.38	72	0.19	3.4	124
937S018	9.7	<0.005	<0.01	0.19	2.5	<0.2	29.9	<0.05	2.1	0.09	0.06	0.46	69	0.20	4.1	93
937S019	11.2	<0.005	0.01	0.20	3.4	<0.2	30.9	<0.05	1.9	0.12	0.13	0.73	70	0.21	6.4	103
937S020	10.7	<0.005	0.01	0.17	3.6	<0.2	40.0	<0.05	1.7	0.12	0.09	0.72	78	0.25	6.8	111
937S021	8.9	<0.005	0.02	0.11	1.8	<0.2	29.6	<0.05	0.5	0.10	0.06	0.63	49	0.14	4.2	172
937S022	8.5	<0.005	0.02	0.13	2.3	<0.2	32.3	<0.05	0.8	0.11	0.06	0.54	53	0.38	4.2	134
937S023	8.6	<0.005	0.02	0.11	2.1	<0.2	27.6	<0.05	0.5	0.11	0.06	0.71	54	0.16	3.7	153
937S024	10.9	<0.005	0.01	0.14	2.8	<0.2	26.9	<0.05	1.4	0.13	0.07	0.82	61	0.17	4.9	182
937S025	9.8	<0.005	0.01	0.13	2.6	<0.2	30.0	<0.05	1.4	0.13	0.07	0.61	72	0.19	4.5	174
937S026	8.9	<0.005	<0.01	0.16	2.4	<0.2	31.0	<0.05	1.0	0.09	0.06	0.46	77	0.19	4.3	106
937S027	9.3	<0.005	<0.01	0.14	2.1	<0.2	25.1	<0.05	0.9	0.09	0.06	0.67	75	0.43	4.0	98

Sample ID	UTM	UTM	Elevation m	Sample Type	Lab Report	Lab Method --->IMS-127-->							
	East m	North m				Rec Wt kg	Cu ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm
937S028	683593	5494271	1172	soil	YVR2111073	0.70	27.4	0.20	1.82	2.00	<0.001	<10	172
937S029	683538	5494264	1167	soil	YVR2111073	0.56	17.3	0.14	1.60	1.90	<0.001	<10	242
937S030	683484	5494249	1171	soil	YVR2111073	0.61	22.5	0.09	1.03	2.40	0.002	<10	99
937S031	683499	5494200	1171	soil	YVR2111073	0.71	46.4	0.20	1.50	3.30	0.001	<10	175
937S033	683549	5494183	1160	soil	YVR2111073	0.50	24.0	0.08	1.12	2.20	<0.001	<10	178
937S034	683601	5494193	1167	soil	YVR2111073	0.55	21.5	0.05	1.86	2.00	<0.001	<10	253
937S035	683649	5494199	1178	soil	YVR2111073	0.63	18.3	0.08	1.62	2.30	<0.001	<10	161
937S036	683700	5494197	1174	soil	YVR2111073	0.69	22.1	0.15	1.77	2.80	0.006	<10	178
937S037	683751	5494199	1175	soil	YVR2111073	0.66	18.2	0.18	1.35	2.60	0.002	<10	178
937S038	683800	5494199	1178	soil	YVR2111073	0.53	20.3	0.13	1.45	2.40	0.001	<10	169
937S039	683849	5494201	1181	soil	YVR2111073	0.58	41.0	0.20	2.00	3.10	<0.001	<10	201
937S040	683899	5494201	1183	soil	YVR2111073	0.57	23.5	0.15	1.55	2.90	<0.001	<10	203
937S041	683950	5494200	1186	soil	YVR2111073	0.79	35.3	0.19	1.81	2.80	0.003	<10	197
937S042	684000	5494199	1185	soil	YVR2111073	0.74	17.4	0.08	0.99	2.10	0.004	<10	72
937S043	684050	5494202	1185	soil	YVR2111073	0.54	15.2	0.16	0.83	1.30	0.003	<10	98
937S044	684100	5494199	1184	soil	YVR2111073	0.64	25.5	0.17	1.14	2.30	0.001	<10	176
937S046	683949	5493900	1141	soil	YVR2111073	0.50	19.7	0.09	1.32	2.00	0.001	<10	129
937S047	683890	5493901	1132	soil	YVR2111073	0.46	152.2	0.37	1.32	4.60	0.003	<10	180
937S048	683851	5493899	1137	soil	YVR2111073	0.62	15.4	0.12	0.76	1.70	0.081	<10	71
937S049	683800	5493899	1148	soil	YVR2111073	0.49	16.4	0.14	1.81	1.90	0.001	<10	188
937S050	683749	5493899	1150	soil	YVR2111073	0.54	21.6	0.18	1.70	2.20	<0.001	<10	263
937S051	683700	5493899	1149	soil	YVR2111073	0.62	17.1	0.09	1.40	2.40	0.002	<10	261
937S052	683650	5493899	1144	soil	YVR2111073	0.49	17.0	0.12	1.43	2.50	0.002	<10	314
937S053	683599	5493899	1141	soil	YVR2111073	0.74	30.3	0.16	1.72	2.40	0.002	<10	210
937S054	683550	5493900	1134	soil	YVR2111073	0.58	28.1	0.07	1.30	2.60	0.002	<10	368
937S055	683502	5493900	1135	soil	YVR2111073	0.42	24.9	0.11	1.68	2.90	0.001	<10	266
937S056	683499	5493801	1134	soil	YVR2111073	0.76	25.6	0.15	1.26	2.10	0.006	<10	122
937S057	683551	5493811	1126	soil	YVR2111073	0.70	39.3	0.13	1.13	2.70	0.003	<10	145
937S058	683607	5493800	1127	soil	YVR2111073	0.49	16.1	0.09	1.45	1.40	<0.001	<10	171
937S059	683651	5493799	1122	soil	YVR2111073	0.52	15.3	0.14	1.43	2.00	0.001	<10	284
937S060	683701	5493798	1130	soil	YVR2111073	0.61	19.5	0.07	1.33	1.40	0.002	<10	135

Sample ID	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg ppm	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm
937S028	0.15	0.36	0.23	8.6	20	3.16	4.7	0.01	0.13	6.4	0.40	358	0.51	0.02	9.0	610
937S029	0.15	0.43	0.25	7.2	17	2.65	4.1	0.02	0.10	7.0	0.29	689	0.88	0.03	7.4	1344
937S030	0.12	0.38	0.14	6.9	20	3.07	2.9	<0.01	0.08	6.1	0.28	329	0.45	0.02	6.7	841
937S031	0.17	0.53	0.31	10.7	27	4.08	4.3	0.02	0.15	9.8	0.36	627	0.62	0.03	9.3	930
937S033	0.14	0.44	0.16	6.1	13	2.00	3.1	0.01	0.14	8.9	0.23	517	1.33	0.03	5.6	1341
937S034	0.16	0.43	0.27	7.5	16	2.75	4.8	0.01	0.18	7.0	0.33	632	0.57	0.03	8.2	688
937S035	0.14	0.38	0.26	6.9	13	2.17	4.0	0.01	0.06	5.7	0.26	505	0.86	0.03	7.7	1202
937S036	0.18	0.33	0.30	6.9	15	2.69	6.3	0.02	0.08	7.6	0.28	667	0.84	0.02	7.5	1569
937S037	0.12	0.40	0.28	6.0	15	2.57	5.1	0.01	0.09	6.1	0.24	595	0.63	0.02	6.3	1575
937S038	0.11	0.36	0.26	5.9	13	2.32	5.3	0.02	0.08	5.6	0.22	458	0.59	0.03	6.6	1818
937S039	0.13	0.44	0.26	6.3	13	2.46	7.1	0.02	0.20	9.3	0.28	541	0.58	0.03	7.5	733
937S040	0.16	0.41	0.34	7.1	15	2.83	5.8	0.01	0.09	8.2	0.28	827	0.92	0.03	7.2	1580
937S041	0.17	0.40	0.23	9.9	19	3.59	7.0	0.01	0.16	10.3	0.37	595	0.74	0.03	10.3	1006
937S042	0.13	0.40	0.13	5.3	17	2.87	4.1	0.01	0.08	7.4	0.25	257	0.52	0.02	5.4	686
937S043	0.14	0.59	0.16	4.8	11	1.88	3.7	0.02	0.12	5.8	0.17	300	0.34	0.02	4.7	399
937S044	0.15	0.49	0.25	6.1	14	2.63	5.1	0.02	0.12	6.6	0.23	573	0.67	0.03	6.2	1247
937S046	0.14	0.38	0.19	5.6	13	2.28	4.9	0.01	0.07	6.1	0.21	512	3.01	0.03	5.9	1381
937S047	0.18	1.10	0.38	5.7	14	2.06	4.3	0.03	0.09	14.9	0.29	538	3.24	0.04	10.4	849
937S048	0.10	0.39	0.11	5.1	16	2.79	3.3	<0.01	0.09	6.9	0.19	287	0.46	0.02	5.2	884
937S049	0.13	0.33	0.19	5.8	13	2.43	7.0	0.02	0.09	5.8	0.25	425	0.63	0.03	7.6	1356
937S050	0.12	0.44	0.49	5.5	11	2.12	6.1	0.02	0.13	6.0	0.23	943	0.88	0.03	7.2	2240
937S051	0.12	0.34	0.43	5.2	9	1.79	5.7	0.01	0.11	4.8	0.19	1026	1.00	0.03	6.3	2496
937S052	0.13	0.54	0.66	5.2	9	1.79	5.6	0.02	0.09	5.4	0.20	1178	1.74	0.02	6.3	2776
937S053	0.17	0.51	0.47	8.6	15	2.91	6.9	0.02	0.15	12.2	0.33	754	0.60	0.03	8.1	897
937S054	0.16	0.67	0.71	6.7	13	2.35	5.2	0.02	0.09	7.8	0.23	1400	1.30	0.02	6.7	2132
937S055	0.13	0.48	0.50	6.3	11	2.09	6.4	0.02	0.08	6.9	0.22	1167	2.08	0.03	6.2	2181
937S056	0.14	0.53	0.30	7.3	22	3.89	5.4	0.01	0.17	9.6	0.31	425	0.64	0.02	6.7	1080
937S057	0.29	0.74	0.47	8.6	20	3.61	4.8	0.03	0.20	11.0	0.39	540	0.92	0.03	8.1	1204
937S058	0.13	0.76	0.48	6.2	11	2.19	5.5	0.01	0.07	3.8	0.27	235	0.77	0.06	6.7	506
937S059	0.11	0.37	0.18	5.5	11	2.24	5.8	0.03	0.10	4.5	0.19	619	1.01	0.03	5.6	3034
937S060	0.12	0.37	0.15	6.9	15	2.97	5.6	<0.01	0.14	7.8	0.25	420	0.62	0.03	6.8	414

Sample ID	Pb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sr ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm
937S028	10.2	<0.005	<0.01	0.19	2.9	<0.2	36.3	<0.05	2.0	0.14	0.10	0.59	89	0.20	4.1	113
937S029	10.2	<0.005	<0.01	0.13	2.5	<0.2	35.3	<0.05	1.6	0.11	0.08	0.64	71	1.00	4.3	131
937S030	6.7	<0.005	<0.01	0.19	2.6	<0.2	28.4	<0.05	2.4	0.10	0.06	0.55	96	0.22	4.5	74
937S031	12.1	<0.005	0.02	0.19	3.5	<0.2	38.7	<0.05	1.4	0.13	0.08	0.83	127	0.22	8.0	109
937S033	7.7	<0.005	<0.01	0.12	2.6	<0.2	38.0	<0.05	2.7	0.10	0.06	0.74	45	0.19	5.0	115
937S034	10.0	<0.005	<0.01	0.12	3.0	<0.2	35.2	<0.05	2.1	0.13	0.10	0.57	72	0.18	4.6	138
937S035	8.5	<0.005	<0.01	0.14	2.1	<0.2	31.2	<0.05	1.2	0.10	0.07	0.55	58	0.16	3.7	135
937S036	9.9	<0.005	<0.01	0.28	3.1	<0.2	32.1	<0.05	4.3	0.10	0.08	1.05	72	0.20	5.0	132
937S037	7.2	<0.005	<0.01	0.24	2.9	<0.2	37.3	<0.05	1.5	0.09	0.05	0.50	73	0.26	4.4	90
937S038	6.3	<0.005	<0.01	0.18	2.7	<0.2	35.6	<0.05	1.1	0.10	<0.05	0.44	64	0.15	3.9	102
937S039	8.3	<0.005	0.01	0.19	4.2	<0.2	36.9	<0.05	1.1	0.12	0.08	0.98	60	0.17	8.2	129
937S040	10.2	<0.005	0.01	0.27	2.9	<0.2	39.0	<0.05	1.0	0.11	0.06	0.62	78	0.33	5.1	123
937S041	10.9	<0.005	<0.01	0.26	4.2	<0.2	44.4	<0.05	2.2	0.13	0.08	0.73	101	0.21	7.6	126
937S042	8.4	<0.005	<0.01	0.38	3.3	<0.2	38.4	<0.05	1.8	0.11	0.05	0.55	89	0.31	4.4	53
937S043	8.4	<0.005	<0.01	0.27	2.2	<0.2	38.0	<0.05	1.9	0.08	0.05	0.30	47	0.15	4.0	52
937S044	9.7	<0.005	0.01	0.23	2.5	<0.2	39.2	<0.05	1.1	0.09	0.05	0.99	69	0.27	4.7	107
937S046	7.5	<0.005	<0.01	0.20	2.5	<0.2	32.5	<0.05	1.4	0.09	<0.05	1.48	58	0.28	4.0	102
937S047	8.7	<0.005	0.04	0.26	2.8	0.8	67.0	<0.05	1.0	0.07	0.05	15.81	43	0.36	17.2	51
937S048	6.0	<0.005	<0.01	0.27	2.4	<0.2	32.2	<0.05	2.0	0.08	<0.05	0.45	85	0.19	4.2	47
937S049	8.8	<0.005	<0.01	0.21	2.7	<0.2	32.7	<0.05	1.9	0.13	0.07	0.53	62	0.21	3.4	141
937S050	7.5	<0.005	0.02	0.15	2.2	<0.2	39.9	<0.05	1.0	0.10	0.07	0.58	52	0.16	3.7	169
937S051	6.8	<0.005	0.02	0.15	1.6	<0.2	33.9	<0.05	0.5	0.09	0.06	0.42	43	0.14	2.9	152
937S052	6.6	<0.005	0.02	0.23	1.3	<0.2	47.1	<0.05	0.4	0.08	0.06	0.45	42	0.17	3.4	159
937S053	13.7	<0.005	0.01	0.22	3.5	<0.2	48.4	<0.05	1.7	0.12	0.10	0.99	73	0.20	7.9	115
937S054	10.0	<0.005	0.02	0.27	2.2	<0.2	66.6	<0.05	1.2	0.08	0.06	0.70	59	0.20	4.7	164
937S055	8.7	<0.005	0.02	0.18	1.8	<0.2	41.1	<0.05	0.5	0.09	0.06	1.17	48	1.72	4.1	150
937S056	10.5	<0.005	0.02	0.28	3.2	<0.2	41.9	<0.05	3.7	0.11	0.07	1.01	111	0.26	5.3	77
937S057	14.6	<0.005	0.03	0.37	3.6	<0.2	54.6	<0.05	2.6	0.10	0.08	0.99	100	0.31	8.6	121
937S058	7.3	<0.005	0.02	0.18	1.9	<0.2	50.6	<0.05	1.1	0.10	<0.05	0.59	51	0.13	2.2	143
937S059	7.2	<0.005	0.02	0.13	1.8	<0.2	37.6	<0.05	0.8	0.09	<0.05	0.67	57	0.15	2.6	122
937S060	7.8	<0.005	<0.01	0.25	2.9	<0.2	38.7	<0.05	2.1	0.11	0.07	0.66	82	0.16	5.2	75

Sample ID	UTM	UTM	Elevation m	Sample Type	Lab Report	Lab Method --->IMS-127-->							
	East m	North m				Rec Wt kg	Cu ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm
937S061	683949	5493700	1162	soil	YVR2111073	0.30	17.7	0.15	1.44	1.50	<0.001	<10	171
937S062	683900	5493701	1160	soil	YVR2111073	0.39	16.2	0.27	1.45	1.30	0.001	<10	186
937S063	683852	5493699	1142	soil	YVR2111073	0.46	27.2	0.13	1.61	1.50	0.001	<10	153
937S064	683800	5493699	1129	soil	YVR2111073	0.46	36.0	0.16	1.37	1.60	<0.001	<10	167
937S065	683750	5493699	1130	soil	YVR2111073	0.56	19.9	0.14	1.20	1.70	<0.001	<10	151
937S066	683701	5493700	1125	soil	YVR2111073	0.45	11.5	0.07	1.19	1.50	0.001	<10	179
937S067	683650	5493700	1128	soil	YVR2111073	0.55	19.9	0.09	1.95	1.50	0.001	<10	162
937S068	683599	5493698	1117	soil	YVR2111073	0.48	23.7	<0.05	1.50	1.40	0.001	<10	175
937S069	683550	5493700	1119	soil	YVR2111073	0.51	17.4	0.06	1.23	1.30	0.001	<10	120
937S070	683500	5493701	1128	soil	YVR2111073	0.57	30.4	0.13	1.41	2.40	0.003	<10	204
937S071	683507	5493594	1113	soil	YVR2111073	0.38	41.1	0.15	1.11	1.90	0.002	<10	108
937S072	683550	5493599	1110	soil	YVR2111073	0.42	12.2	0.09	1.29	1.50	0.001	<10	112
937S073	683606	5493601	1109	soil	YVR2111073	0.48	19.6	0.07	0.91	0.90	0.001	<10	72
937S074	683652	5493602	1123	soil	YVR2111073	0.35	32.2	0.21	0.85	1.70	0.002	<10	122
937S075	683700	5493601	1122	soil	YVR2111073	0.31	18.7	0.14	1.18	2.40	<0.001	<10	193
937S076	683751	5493601	1130	soil	YVR2111073	0.38	15.1	0.06	1.07	1.90	0.001	<10	114
937S077	683799	5493600	1135	soil	YVR2111073	0.49	16.0	0.13	1.30	2.30	<0.001	<10	155
937S078	683850	5493598	1149	soil	YVR2111073	0.32	10.6	0.06	1.12	1.30	<0.001	<10	170
937S079	683900	5493599	1161	soil	YVR2111073	0.38	18.5	0.11	1.41	2.50	<0.001	<10	385
937S080	683950	5493599	1171	soil	YVR2111073	0.30	14.7	0.08	1.30	1.60	0.001	<10	266
937S081	683750	5493799	1152	soil	YVR2111073	0.60	18.2	0.09	2.06	1.80	<0.001	<10	263
937S082	683799	5493801	1138	soil	YVR2111073	0.70	14.9	0.06	0.94	1.30	<0.001	<10	115
937S083	683855	5493799	1137	soil	YVR2111073	0.49	30.8	0.11	1.36	1.50	<0.001	<10	163
937S084	683901	5493799	1153	soil	YVR2111073	0.51	22.0	0.11	1.13	1.90	0.005	<10	116
937S085	683950	5493801	1160	soil	YVR2111073	0.57	19.2	0.15	1.21	1.50	0.008	<10	121
937S087	683999	5493800	1168	soil	YVR2111073	0.50	22.5	0.10	1.11	1.20	<0.001	<10	105
937S032	683540	5494177	1161	silt	YVR2111073	0.89	32.2	0.10	0.55	1.70	0.001	<10	52
937S045	684086	5494012	1160	silt	YVR2111073	0.96	41.6	0.18	0.86	2.50	0.002	<10	124
937S086	683473	5493838	1127	silt	YVR2111073	0.72	56.4	0.14	0.94	2.50	0.008	<10	106

Sample ID	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg ppm	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm
937S061	0.18	0.36	0.21	5.5	12	2.15	6.1	0.01	0.10	6.5	0.22	682	2.78	0.02	6.4	644
937S062	0.33	0.38	0.44	5.4	13	2.20	6.2	0.02	0.11	7.5	0.26	831	2.92	0.02	7.3	333
937S063	0.19	0.34	0.10	5.6	14	2.71	6.4	0.02	0.12	10.0	0.22	557	2.35	0.02	6.1	576
937S064	0.15	0.67	0.31	7.0	15	2.39	5.3	0.03	0.09	8.1	0.30	457	0.90	0.03	7.4	1463
937S065	0.12	0.41	0.18	6.4	14	2.61	4.8	0.02	0.09	5.1	0.23	447	0.61	0.03	6.3	1684
937S066	0.13	0.30	0.16	4.9	13	2.24	4.7	0.01	0.07	6.0	0.19	576	0.72	0.02	5.5	1673
937S067	0.21	0.40	0.39	6.9	17	3.06	7.6	0.01	0.16	5.5	0.34	341	0.50	0.03	9.8	931
937S068	0.26	0.67	0.68	6.9	16	2.68	6.2	0.02	0.11	8.7	0.29	601	1.07	0.03	8.5	467
937S069	0.19	0.21	0.22	6.0	13	2.31	5.2	0.02	0.14	4.4	0.20	251	1.13	0.03	6.1	765
937S070	0.28	0.76	0.56	8.3	18	2.89	6.0	0.02	0.26	8.7	0.35	961	1.13	0.02	9.3	1105
937S071	0.12	1.01	0.30	3.9	8	1.80	3.5	0.02	0.08	3.9	0.27	217	0.88	0.05	5.3	618
937S072	0.09	0.93	0.10	4.4	7	1.43	5.2	0.01	0.10	3.2	0.17	185	0.64	0.05	4.1	1273
937S073	0.10	0.61	0.27	5.1	12	1.92	4.0	0.02	0.15	5.2	0.18	183	0.65	0.04	4.2	189
937S074	0.11	2.79	0.50	4.8	12	1.74	3.5	0.02	0.10	4.9	0.20	329	0.96	0.04	5.3	384
937S075	0.11	0.69	0.20	5.0	13	2.04	4.8	0.03	0.07	5.0	0.18	579	0.66	0.03	5.0	2698
937S076	0.13	0.26	0.14	5.2	14	2.13	4.5	0.03	0.06	4.9	0.20	374	0.84	0.02	5.6	1367
937S077	0.13	0.29	0.22	6.5	16	2.68	5.6	0.01	0.08	5.2	0.24	410	0.65	0.02	7.2	1264
937S078	0.12	0.33	0.09	4.4	10	1.81	4.8	0.01	0.12	5.4	0.17	432	1.02	0.02	4.1	302
937S079	0.18	0.42	0.67	6.0	12	2.26	5.9	0.02	0.13	10.0	0.20	1176	2.56	0.03	5.3	1525
937S080	0.18	0.48	0.20	5.2	12	1.96	5.2	0.02	0.12	7.1	0.20	737	3.97	0.03	5.0	447
937S081	0.14	0.34	0.30	5.9	12	2.18	7.8	0.02	0.10	5.6	0.26	815	2.00	0.03	9.9	1854
937S082	0.14	0.38	0.15	5.5	16	2.45	4.1	0.01	0.16	7.6	0.21	438	0.56	0.02	5.1	458
937S083	0.13	0.51	0.25	6.0	12	2.14	5.9	0.03	0.14	6.2	0.21	596	2.75	0.03	5.9	1155
937S084	0.15	0.36	0.18	6.8	20	3.12	5.1	0.01	0.08	5.1	0.25	338	1.10	0.02	7.3	917
937S085	0.15	0.31	0.14	5.1	13	2.22	5.6	0.01	0.09	5.9	0.21	418	2.07	0.02	4.6	481
937S087	0.14	0.35	0.14	5.4	14	2.18	5.2	0.01	0.09	5.6	0.22	348	1.66	0.02	5.4	452
937S032	0.08	0.69	0.24	6.8	39	6.20	3.4	0.03	0.06	9.6	0.26	291	1.21	0.02	6.7	804
937S045	0.10	0.94	0.20	6.3	18	3.46	4.3	0.03	0.07	9.4	0.30	756	2.54	0.03	7.2	788
937S086	0.12	1.00	0.42	6.7	16	2.52	4.2	0.03	0.08	8.9	0.29	714	1.77	0.03	6.4	608

Sample ID	Pb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sr ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm
937S061	7.8	<0.005	0.01	0.16	2.3	<0.2	35.1	<0.05	1.0	0.09	0.06	0.87	50	0.16	4.0	82
937S062	11.7	<0.005	<0.01	0.18	2.5	<0.2	30.3	<0.05	2.4	0.09	0.06	0.87	48	0.19	4.1	113
937S063	8.1	<0.005	<0.01	0.17	3.3	<0.2	28.5	<0.05	2.6	0.09	0.07	1.16	63	0.18	6.2	91
937S064	8.1	<0.005	0.02	0.18	2.9	0.3	52.7	<0.05	1.5	0.10	0.08	3.76	60	0.16	6.8	136
937S065	7.6	<0.005	0.01	0.22	2.5	<0.2	41.4	<0.05	1.7	0.09	<0.05	0.52	70	0.21	2.9	110
937S066	7.4	<0.005	<0.01	0.17	2.3	<0.2	31.1	<0.05	1.5	0.08	<0.05	0.70	56	0.65	3.4	111
937S067	11.6	<0.005	<0.01	0.22	3.2	<0.2	46.1	<0.05	4.1	0.13	0.08	0.66	77	0.15	3.1	202
937S068	13.4	<0.005	0.01	0.24	3.5	<0.2	55.6	<0.05	2.4	0.11	0.06	0.80	65	0.19	6.2	123
937S069	9.6	<0.005	<0.01	0.16	2.2	<0.2	29.7	<0.05	1.4	0.09	0.05	0.72	57	0.14	2.7	132
937S070	16.2	<0.005	0.02	0.23	3.4	<0.2	57.3	<0.05	1.9	0.10	0.08	0.85	72	0.34	5.9	135
937S071	4.4	<0.005	0.05	0.13	1.7	0.7	55.6	<0.05	0.7	0.07	<0.05	3.79	29	0.18	4.0	27
937S072	4.3	<0.005	0.02	0.07	1.8	<0.2	73.4	<0.05	0.9	0.07	<0.05	0.51	31	0.08	2.4	52
937S073	5.2	<0.005	0.01	0.12	2.5	<0.2	41.6	<0.05	1.5	0.08	<0.05	0.41	43	0.12	3.6	45
937S074	5.1	<0.005	0.03	0.12	1.7	0.3	80.2	<0.05	0.6	0.06	<0.05	1.14	40	0.36	3.7	43
937S075	5.8	<0.005	0.02	0.09	1.8	0.3	52.5	<0.05	0.7	0.07	<0.05	2.03	51	0.17	3.1	88
937S076	7.4	<0.005	<0.01	0.13	2.0	<0.2	23.8	<0.05	1.5	0.07	<0.05	0.46	55	0.19	2.7	86
937S077	7.7	<0.005	<0.01	0.13	2.3	<0.2	32.8	<0.05	4.0	0.08	0.06	0.64	69	0.16	2.9	106
937S078	6.5	<0.005	<0.01	0.11	2.1	<0.2	23.8	<0.05	1.6	0.06	<0.05	0.50	42	0.15	3.1	58
937S079	10.1	<0.005	0.01	0.13	3.0	<0.2	32.4	<0.05	2.3	0.07	0.05	0.99	49	0.19	5.8	146
937S080	9.8	<0.005	0.01	0.12	2.6	<0.2	38.7	<0.05	1.2	0.08	0.05	0.95	42	0.17	4.3	76
937S081	8.4	<0.005	0.01	0.09	2.6	<0.2	30.3	<0.05	1.8	0.11	0.10	0.56	50	0.17	3.5	157
937S082	9.0	<0.005	<0.01	0.14	2.8	<0.2	33.9	<0.05	2.4	0.08	0.06	0.52	62	0.19	4.9	80
937S083	7.5	<0.005	0.01	0.08	2.3	<0.2	39.6	<0.05	1.8	0.08	<0.05	1.66	48	0.91	4.2	115
937S084	8.8	<0.005	<0.01	0.19	2.5	<0.2	33.7	<0.05	1.9	0.08	<0.05	0.46	85	0.35	3.2	79
937S085	7.6	<0.005	<0.01	0.15	2.0	<0.2	33.6	<0.05	1.4	0.07	<0.05	0.74	51	0.18	3.0	69
937S087	7.9	<0.005	<0.01	0.14	2.5	<0.2	30.5	<0.05	2.2	0.08	0.05	0.76	51	0.15	3.4	67
937S032	6.6	<0.005	0.06	0.28	1.7	1.0	27.6	<0.05	2.0	0.10	<0.05	5.66	207	0.35	6.4	55
937S045	10.3	<0.005	0.05	0.44	2.3	1.1	52.0	<0.05	1.3	0.09	0.08	3.88	99	1.85	7.7	55
937S086	7.6	<0.005	0.05	0.24	2.2	0.6	53.4	<0.05	1.4	0.07	0.08	7.87	64	0.19	7.2	59

Sample ID	UTM	UTM	Elevation m	Sample Type	Lab Report	Lab Method --->IMS-127-->							
	East m	North m				Rec Wt kg	Cu ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm
<b>QC/QA Samples</b>													
<b>Lab duplicates</b>													
937S008	683599	5494104	1159	soil	YVR2111073		13.4	0.11	1.17	1.70	<0.001	<10	252
DUP 9375008				soil	YVR2111073		14.4	0.12	1.22	1.80	<0.001	<10	264
937S062	683900	5493701	1160	soil	YVR2111073		16.2	0.27	1.45	1.30	0.001	<10	186
DUP 9385062				soil	YVR2111073		17.2	0.25	1.60	1.10	<0.001	<10	186
<b>Lab analytical blanks</b>													
STD BLANK					YVR2111073		<0.2	<0.05	<0.01	<0.2	<0.001	<10	<10
STD BLANK					YVR2111073		<0.2	<0.05	<0.01	<0.2	<0.001	<10	<10
<b>Lab standards</b>													
STD OREAS 20a					YVR2111073		48.7	0.06	2.29	16.30	0.001	10	474
STD OREAS 601					YVR2111073		993.5	47.86	0.87	310.00	0.766	<10	139

Datum NAD83

Zone 10U

Lab MSA Labs Langley, BC

Discovery Consultants

W.R. Gilmour, PGeo

January 30, 2022

Sample ID	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg ppm	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm
<b>QC/QA Samples</b>																
<b>Lab duplicates</b>																
937S008	0.11	0.38	0.43	5.0	10	1.82	3.2	0.02	0.10	4.2	0.19	912	0.86	0.02	5.5	1727
DUP 9375008	0.11	0.40	0.43	5.1	10	1.80	3.4	0.02	0.10	4.7	0.20	946	0.98	0.03	5.6	1788
937S062	0.33	0.38	0.44	5.4	13	2.20	6.2	0.02	0.11	7.5	0.26	831	2.92	0.02	7.3	333
DUP 9385062	0.32	0.40	0.39	5.1	14	2.30	6.3	0.02	0.11	7.8	0.27	840	2.78	0.02	7.1	328
<b>Lab analytical blar</b>																
STD BLANK	<0.05	<0.01	<0.05	<0.1	<1	<0.01	<0.1	<0.01	<0.01	<0.5	<0.01	<5	<0.05	<0.01	0.1	<10
STD BLANK	<0.05	<0.01	<0.05	<0.1	<1	<0.01	<0.1	<0.01	<0.01	<0.5	<0.01	<5	<0.05	<0.01	0.1	<10
<b>Lab standards</b>																
STD OREAS 20a	0.14	0.83	<0.05	12.9	70	3.36	8.4	<0.01	1.42	34	1.20	357	2.94	0.27	37.8	989
STD OREAS 601	20.03	1.06	7.86	4.7	45	2.20	4.9	0.32	0.27	22	0.20	458	3.80	0.08	25.1	389

Datum  
Zone  
Lab

Discovery Consult  
W.R. Gilmour, PGE  
January 30, 2022

Sample ID	Pb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sr ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm
<b>QC/QA Samples</b>																
<b>Lab duplicates</b>																
937S008	6.7	<0.005	0.01	0.09	1.5	<0.2	29.1	<0.05	0.8	0.084	0.06	0.37	48	0.17	2.8	145
DUP 9375008	6.9	<0.005	0.01	0.10	1.6	<0.2	30.7	<0.05	0.8	0.088	0.06	0.39	47	0.18	3.0	151
937S062	11.7	<0.005	<0.01	0.18	2.5	<0.2	30.3	<0.05	2.4	0.089	0.06	0.87	48	0.19	4.1	113
DUP 9385062	11.4	<0.005	<0.01	0.19	2.8	<0.2	31.7	<0.05	2.5	0.103	0.06	0.85	51	0.20	4.3	120
<b>Lab analytical blar</b>																
STD BLANK	<0.2	<0.005	<0.01	<0.05	<0.1	<0.2	<0.5	<0.05	<0.2	<0.005	<0.05	<0.05	<1	<0.05	<0.5	<2
STD BLANK	<0.2	<0.005	<0.01	<0.05	<0.1	<0.2	<0.5	<0.05	<0.2	<0.005	<0.05	<0.05	<1	<0.05	<0.5	<2
<b>Lab standards</b>																
STD OREAS 20a	5.6	<0.005	0.07	0.28	7.4	<0.2	61.8	<0.05	20.7	0.387	0.89	5.91	105	2.06	19.1	62
STD OREAS 601	277.3	<0.005	1.04	20.58	1.8	11.8	36.9	16.13	6.9	0.011	0.74	1.80	9	1.01	5.9	1257

Datum  
Zone  
Lab

Discovery Consult  
W.R. Gilmour, PGe  
January 30, 2022

## **APPENDIX 2**

### **Certificates of Analytical Results**



**MSALABS**

MSALABS  
Unit 1, 20120 102nd Avenue  
Langley, BC V1M 4B4  
Phone: +1-604-888-0875

To: **Discovery Consultants**  
**Box 933**  
**Vernon, BC, V1T 6M8**  
**Canada**

**TEST REPORT: YVR2111073**

Project Name: 937  
Job Received Date: 25-Oct-2021  
Job Report Date: 13-Dec-2021  
Number of Samples: 87  
Report Version: Final

**COMMENTS:**

Test results reported relate to the tested samples only on an "as received" basis. Unless otherwise stated above, sufficient sample was received for the methods requested and all samples were received in acceptable condition. Analytical results in unsigned reports marked "provisional" are subject to change, pending final QC review and approval. The customer has not provided any information that can affect the validity of the test results. Please refer to MSALABS' Schedule of Services and Fees for our complete Terms and Conditions. Preliminary results are applicable when a portion of samples in a job is 100% completed and reported or 1 of a number of methods on the same job have been completed 100%. Results cannot change, but additional results or results for additional methods can be added.

SAMPLE PREPARATION	
METHOD CODE	DESCRIPTION
PRP-757	Dry, Screen to 80 mesh, discard plus fraction

ANALYTICAL METHODS	
METHOD CODE	DESCRIPTION
IMS-127	Multi-Element (39 elements), 0.5g, 3:1 Aqua Regia, ICP-AES/MS, Ultra Trace Level

**Signature:**

Yvette Hsi, BSc.  
Laboratory Manager  
MSALABS



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 Unit 1, 20120 102nd Avenue  
 Langley, BC V1M 4B4  
 Phone: +1-604-888-0875

To: **Discovery Consultants**  
**Box 933**  
**Vernon, BC, V1T 6M8**  
**Canada**

<b>TEST REPORT:</b>	<b>YVR2111073</b>
---------------------	-------------------

Project Name: 937  
 Job Received Date: 25-Oct-2021  
 Job Report Date: 13-Dec-2021  
 Report Version: Final

Sample ID	Sample Type	PWE-100 Rec. Wt. kg	Method Analyte Units LOR	IMS-127 Ag ppm	IMS-127 Al %	IMS-127 As ppm	IMS-127 Au ppm	IMS-127 B ppm	IMS-127 Ba ppm	IMS-127 Bi ppm	IMS-127 Ca %	IMS-127 Cd ppm	IMS-127 Co ppm	IMS-127 Cr ppm
9375001	Soil	0.28		0.15	1.07	2.2	0.002	<10	138	0.14	0.32	0.25	5.3	11
9375002	Soil	0.26		0.16	1.42	4.0	<0.001	<10	352	0.17	0.59	0.54	9.1	13
9375003	Soil	0.32		0.20	1.76	3.9	<0.001	<10	281	0.19	0.54	0.49	9.9	16
9375004	Soil	0.36		0.10	1.18	2.1	<0.001	<10	164	0.13	0.34	0.19	6.1	18
9375005	Soil	0.29		<0.05	0.92	1.8	<0.001	<10	102	0.22	0.33	0.12	5.4	18
9375006	Soil	0.38		0.10	1.23	2.4	<0.001	<10	259	0.13	0.27	0.24	5.8	11
9375007	Soil	0.42		0.11	1.81	2.5	<0.001	<10	239	0.16	0.40	0.41	9.7	16
9375008	Soil	0.30		0.11	1.17	1.7	<0.001	<10	252	0.11	0.38	0.43	5.0	10
9375009	Soil	0.33		0.05	0.95	1.4	<0.001	<10	140	0.14	0.35	0.25	5.0	14
9375010	Soil	0.34		0.13	1.05	2.3	0.002	<10	107	0.15	0.46	0.16	6.5	17
9375011	Soil	0.35		0.05	0.72	1.9	0.002	<10	83	0.13	0.40	0.14	6.7	18
9375012	Soil	0.41		0.22	1.57	3.3	<0.001	<10	455	0.12	0.67	0.88	6.5	10
9375013	Soil	0.36		0.22	1.86	2.6	<0.001	<10	262	0.16	0.54	0.53	6.7	13
9375014	Soil	0.42		0.08	1.66	2.0	<0.001	<10	205	0.14	0.39	0.28	6.4	14
9375015	Soil	0.34		0.11	1.67	2.3	<0.001	<10	231	0.12	0.41	0.33	5.8	12
9375016	Soil	0.42		0.13	1.55	2.7	0.002	<10	217	0.14	0.36	0.27	6.3	16
9375017	Soil	0.30		0.09	1.13	2.0	0.002	<10	192	0.12	0.37	0.34	5.7	16
9375018	Soil	0.35		0.07	1.12	1.7	<0.001	<10	139	0.16	0.36	0.23	5.9	18
9375019	Soil	0.41		0.05	1.69	2.0	<0.001	<10	198	0.18	0.41	0.26	8.2	18
9375020	Soil	0.42		0.09	1.59	2.5	<0.001	<10	227	0.17	0.58	0.26	9.6	20
9375021	Soil	0.39		0.41	1.69	2.7	<0.001	<10	204	0.16	0.52	0.35	5.8	13
9375022	Soil	0.54		0.19	1.50	2.7	<0.001	<10	210	0.15	0.43	0.39	7.2	14
9375023	Soil	0.46		0.11	1.64	3.3	<0.001	<10	188	0.15	0.39	0.45	7.4	14
9375024	Soil	0.57		0.21	1.88	3.5	0.001	<10	207	0.20	0.35	0.25	7.7	16
9375025	Soil	0.53		0.22	1.81	3.2	<0.001	<10	206	0.17	0.39	0.32	7.8	16

\*\*\*Please refer to the cover page for comments regarding this test report. \*\*\*



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To: **Discovery Consultants**  
**Box 933**  
**Vernon, BC, V1T 6M8**  
**Canada**

<b>TEST REPORT:</b>	<b>YVR2111073</b>
---------------------	-------------------

Project Name: 937  
 Job Received Date: 25-Oct-2021  
 Job Report Date: 13-Dec-2021  
 Report Version: Final

Sample ID	Sample Type	PWE-100 Rec. Wt. kg	Method Analyte Units LOR	IMS-127 Ag ppm	IMS-127 Al %	IMS-127 As ppm	IMS-127 Au ppm	IMS-127 B ppm	IMS-127 Ba ppm	IMS-127 Bi ppm	IMS-127 Ca %	IMS-127 Cd ppm	IMS-127 Co ppm	IMS-127 Cr ppm
9375026	Soil	0.55		0.12	1.21	2.6	<0.001	<10	175	0.15	0.40	0.23	6.7	18
9375027	Soil	0.58		0.13	1.40	2.4	<0.001	<10	140	0.15	0.31	0.17	6.7	17
9375028	Soil	0.70		0.20	1.82	2.0	<0.001	<10	172	0.15	0.36	0.23	8.6	20
9375029	Soil	0.56		0.14	1.60	1.9	<0.001	<10	242	0.15	0.43	0.25	7.2	17
9375030	Soil	0.61		0.09	1.03	2.4	0.002	<10	99	0.12	0.38	0.14	6.9	20
9375031	Soil	0.71		0.20	1.50	3.3	0.001	<10	175	0.17	0.53	0.31	10.7	27
9375032	Soil	0.89		0.10	0.55	1.7	0.001	<10	52	0.08	0.69	0.24	6.8	39
9375033	Soil	0.50		0.08	1.12	2.2	<0.001	<10	178	0.14	0.44	0.16	6.1	13
9375034	Soil	0.55		0.05	1.86	2.0	<0.001	<10	253	0.16	0.43	0.27	7.5	16
9375035	Soil	0.63		0.08	1.62	2.3	<0.001	<10	161	0.14	0.38	0.26	6.9	13
9375036	Soil	0.69		0.15	1.77	2.8	0.006	<10	178	0.18	0.33	0.30	6.9	15
9375037	Soil	0.66		0.18	1.35	2.6	0.002	<10	178	0.12	0.40	0.28	6.0	15
9375038	Soil	0.53		0.13	1.45	2.4	0.001	<10	169	0.11	0.36	0.26	5.9	13
9375039	Soil	0.58		0.20	2.00	3.1	<0.001	<10	201	0.13	0.44	0.26	6.3	13
9375040	Soil	0.57		0.15	1.55	2.9	<0.001	<10	203	0.16	0.41	0.34	7.1	15
9375041	Soil	0.79		0.19	1.81	2.8	0.003	<10	197	0.17	0.40	0.23	9.9	19
9375042	Soil	0.74		0.08	0.99	2.1	0.004	<10	72	0.13	0.40	0.13	5.3	17
9375043	Soil	0.54		0.16	0.83	1.3	0.003	<10	98	0.14	0.59	0.16	4.8	11
9375044	Soil	0.64		0.17	1.14	2.3	0.001	<10	176	0.15	0.49	0.25	6.1	14
9375045	Soil	0.96		0.18	0.86	2.5	0.002	<10	124	0.10	0.94	0.20	6.3	18
9375046	Soil	0.50		0.09	1.32	2.0	0.001	<10	129	0.14	0.38	0.19	5.6	13
9375047	Soil	0.46		0.37	1.32	4.6	0.003	<10	180	0.18	1.10	0.38	5.7	14
9375048	Soil	0.62		0.12	0.76	1.7	0.081	<10	71	0.10	0.39	0.11	5.1	16
9375049	Soil	0.49		0.14	1.81	1.9	0.001	<10	188	0.13	0.33	0.19	5.8	13
9375050	Soil	0.54		0.18	1.70	2.2	<0.001	<10	263	0.12	0.44	0.49	5.5	11

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To: **Discovery Consultants**  
**Box 933**  
**Vernon, BC, V1T 6M8**  
**Canada**

<b>TEST REPORT:</b>	<b>YVR2111073</b>
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Project Name: 937  
 Job Received Date: 25-Oct-2021  
 Job Report Date: 13-Dec-2021  
 Report Version: Final

Sample ID	Sample Type	PWE-100 Rec. Wt. kg	Method Analyte Units LOR	IMS-127 Ag ppm	IMS-127 Al %	IMS-127 As ppm	IMS-127 Au ppm	IMS-127 B ppm	IMS-127 Ba ppm	IMS-127 Bi ppm	IMS-127 Ca %	IMS-127 Cd ppm	IMS-127 Co ppm	IMS-127 Cr ppm
9375051	Soil	0.62		0.09	1.40	2.4	0.002	<10	261	0.12	0.34	0.43	5.2	9
9375052	Soil	0.49		0.12	1.43	2.5	0.002	<10	314	0.13	0.54	0.66	5.2	9
9375053	Soil	0.74		0.16	1.72	2.4	0.002	<10	210	0.17	0.51	0.47	8.6	15
9375054	Soil	0.58		0.07	1.30	2.6	0.002	<10	368	0.16	0.67	0.71	6.7	13
9375055	Soil	0.42		0.11	1.68	2.9	0.001	<10	266	0.13	0.48	0.50	6.3	11
9375056	Soil	0.76		0.15	1.26	2.1	0.006	<10	122	0.14	0.53	0.30	7.3	22
9375057	Soil	0.70		0.13	1.13	2.7	0.003	<10	145	0.29	0.74	0.47	8.6	20
9375058	Soil	0.49		0.09	1.45	1.4	<0.001	<10	171	0.13	0.76	0.48	6.2	11
9375059	Soil	0.52		0.14	1.43	2.0	0.001	<10	284	0.11	0.37	0.18	5.5	11
9375060	Soil	0.61		0.07	1.33	1.4	0.002	<10	135	0.12	0.37	0.15	6.9	15
9375061	Soil	0.30		0.15	1.44	1.5	<0.001	<10	171	0.18	0.36	0.21	5.5	12
9375062	Soil	0.39		0.27	1.45	1.3	0.001	<10	186	0.33	0.38	0.44	5.4	13
9375063	Soil	0.46		0.13	1.61	1.5	0.001	<10	153	0.19	0.34	0.10	5.6	14
9375064	Soil	0.46		0.16	1.37	1.6	<0.001	<10	167	0.15	0.67	0.31	7.0	15
9375065	Soil	0.56		0.14	1.20	1.7	<0.001	<10	151	0.12	0.41	0.18	6.4	14
9375066	Soil	0.45		0.07	1.19	1.5	0.001	<10	179	0.13	0.30	0.16	4.9	13
9375067	Soil	0.55		0.09	1.95	1.5	0.001	<10	162	0.21	0.40	0.39	6.9	17
9375068	Soil	0.48		<0.05	1.50	1.4	0.001	<10	175	0.26	0.67	0.68	6.9	16
9375069	Soil	0.51		0.06	1.23	1.3	0.001	<10	120	0.19	0.21	0.22	6.0	13
9375070	Soil	0.57		0.13	1.41	2.4	0.003	<10	204	0.28	0.76	0.56	8.3	18
9375071	Soil	0.38		0.15	1.11	1.9	0.002	<10	108	0.12	1.01	0.30	3.9	8
9375072	Soil	0.42		0.09	1.29	1.5	0.001	<10	112	0.09	0.93	0.10	4.4	7
9375073	Soil	0.48		0.07	0.91	0.9	0.001	<10	72	0.10	0.61	0.27	5.1	12
9375074	Soil	0.35		0.21	0.85	1.7	0.002	<10	122	0.11	2.79	0.50	4.8	12
9375075	Soil	0.31		0.14	1.18	2.4	<0.001	<10	193	0.11	0.69	0.20	5.0	13

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**Canada**

<b>TEST REPORT:</b>	<b>YVR2111073</b>
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Project Name: 937  
 Job Received Date: 25-Oct-2021  
 Job Report Date: 13-Dec-2021  
 Report Version: Final

Sample ID	Sample Type	PWE-100 Rec. Wt. kg	Method Analyte Units	IMS-127 Ag ppm	IMS-127 Al %	IMS-127 As ppm	IMS-127 Au ppm	IMS-127 B ppm	IMS-127 Ba ppm	IMS-127 Bi ppm	IMS-127 Ca %	IMS-127 Cd ppm	IMS-127 Co ppm	IMS-127 Cr ppm
		0.01	LOR	0.05	0.01	0.2	0.001	10	10	0.05	0.01	0.05	0.1	1
9375076	Soil	0.38		0.06	1.07	1.9	0.001	<10	114	0.13	0.26	0.14	5.2	14
9375077	Soil	0.49		0.13	1.30	2.3	<0.001	<10	155	0.13	0.29	0.22	6.5	16
9375078	Soil	0.32		0.06	1.12	1.3	<0.001	<10	170	0.12	0.33	0.09	4.4	10
9375079	Soil	0.38		0.11	1.41	2.5	<0.001	<10	385	0.18	0.42	0.67	6.0	12
9375080	Soil	0.30		0.08	1.30	1.6	0.001	<10	266	0.18	0.48	0.20	5.2	12
9375081	Soil	0.60		0.09	2.06	1.8	<0.001	<10	263	0.14	0.34	0.30	5.9	12
9375082	Soil	0.70		0.06	0.94	1.3	<0.001	<10	115	0.14	0.38	0.15	5.5	16
9375083	Soil	0.49		0.11	1.36	1.5	<0.001	<10	163	0.13	0.51	0.25	6.0	12
9375084	Soil	0.51		0.11	1.13	1.9	0.005	<10	116	0.15	0.36	0.18	6.8	20
9375085	Soil	0.57		0.15	1.21	1.5	0.008	<10	121	0.15	0.31	0.14	5.1	13
9375086	Soil	0.72		0.14	0.94	2.5	0.008	<10	106	0.12	1.00	0.42	6.7	16
9375087	Soil	0.50		0.10	1.11	1.2	<0.001	<10	105	0.14	0.35	0.14	5.4	14
DUP 9375008				0.12	1.22	1.8	<0.001	<10	264	0.11	0.40	0.43	5.1	10
DUP 9385062				0.25	1.60	1.1	<0.001	<10	186	0.32	0.40	0.39	5.1	14
STD BLANK				<0.05	<0.01	<0.2	<0.001	<10	<10	<0.05	<0.01	<0.05	<0.1	<1
STD BLANK				<0.05	<0.01	<0.2	<0.001	<10	<10	<0.05	<0.01	<0.05	<0.1	<1
STD OREAS 20a				0.06	2.29	16.3	0.001	10	474	0.14	0.83	<0.05	12.9	70
STD OREAS 601				47.86	0.87	310.0	0.766	<10	139	20.03	1.06	7.86	4.7	45

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**Canada**

<b>TEST REPORT:</b>	<b>YVR2111073</b>
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Project Name: 937  
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	IMS-127 Cu ppm	IMS-127 Fe %	IMS-127 Ga ppm	IMS-127 Hg ppm	IMS-127 K %	IMS-127 La ppm	IMS-127 Mg %	IMS-127 Mn ppm	IMS-127 Mo ppm	IMS-127 Na %	IMS-127 Ni ppm	IMS-127 P ppm	IMS-127 Pb ppm	IMS-127 Re ppm
Sample ID	0.2	0.01	0.1	0.01	0.01	0.5	0.01	5	0.05	0.01	0.1	10	0.2	0.005
9375001	12.6	1.75	3.1	0.01	0.06	4.6	0.17	535	0.52	0.02	6.5	1131	6.7	<0.005
9375002	46.7	2.09	3.9	0.03	0.16	6.9	0.35	1385	0.87	0.02	8.1	1527	11.6	<0.005
9375003	44.4	2.63	4.6	0.02	0.17	10.1	0.40	938	0.65	0.03	9.6	1741	12.7	<0.005
9375004	17.0	2.66	3.3	0.01	0.10	6.0	0.22	537	0.70	0.02	6.5	1020	8.1	<0.005
9375005	14.5	2.58	2.7	<0.01	0.12	6.0	0.21	314	0.50	0.02	5.6	559	7.8	<0.005
9375006	14.2	1.74	3.3	0.02	0.07	4.3	0.21	966	1.21	0.02	5.9	1449	7.2	<0.005
9375007	30.5	2.60	4.8	0.02	0.14	7.6	0.40	853	1.06	0.02	10.2	952	10.6	<0.005
9375008	13.4	1.82	3.2	0.02	0.10	4.2	0.19	912	0.86	0.02	5.5	1727	6.7	<0.005
9375009	32.0	2.09	2.6	0.01	0.18	7.2	0.20	519	1.35	0.02	5.3	614	7.7	<0.005
9375010	44.6	2.50	3.2	0.02	0.08	11.8	0.24	382	1.03	0.02	5.9	222	7.8	<0.005
9375011	19.6	2.70	2.4	0.01	0.13	8.2	0.23	333	0.53	0.02	5.2	632	9.4	<0.005
9375012	30.6	1.71	3.9	0.03	0.10	6.3	0.24	1621	1.55	0.03	7.8	3525	7.8	<0.005
9375013	19.2	2.16	4.4	0.03	0.08	7.0	0.27	922	1.23	0.03	8.3	2260	9.7	<0.005
9375014	19.4	2.21	4.2	0.02	0.11	6.3	0.25	728	1.60	0.02	7.5	1357	8.4	<0.005
9375015	18.8	2.02	3.9	0.02	0.09	6.0	0.22	874	1.15	0.03	7.4	1727	7.2	<0.005
9375016	19.7	2.54	4.0	0.02	0.06	6.0	0.24	596	0.58	0.03	8.0	1797	7.8	<0.005
9375017	15.6	2.47	3.0	0.02	0.09	4.9	0.19	597	0.82	0.02	6.1	1370	7.3	<0.005
9375018	17.1	2.51	3.0	<0.01	0.10	6.0	0.22	393	0.71	0.02	6.4	784	9.7	<0.005
9375019	25.2	2.71	4.3	0.01	0.14	9.5	0.32	922	0.61	0.02	8.2	396	11.2	<0.005
9375020	34.4	2.90	4.2	0.01	0.21	8.9	0.34	804	0.66	0.02	9.5	732	10.7	<0.005
9375021	18.7	2.03	3.9	0.03	0.09	5.7	0.25	654	0.76	0.03	7.2	1863	8.9	<0.005
9375022	23.7	2.03	3.8	0.02	0.12	5.8	0.26	624	0.92	0.03	7.5	1205	8.5	<0.005
9375023	29.0	2.15	4.0	0.03	0.13	5.6	0.28	908	1.19	0.03	8.3	1602	8.6	<0.005
9375024	24.7	2.36	4.7	0.03	0.09	6.6	0.31	485	0.97	0.03	8.8	1792	10.9	<0.005
9375025	24.6	2.68	4.7	0.02	0.10	6.2	0.30	578	0.77	0.03	9.3	1832	9.8	<0.005

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**Canada**

<b>TEST REPORT:</b>	<b>YVR2111073</b>
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Project Name: 937  
 Job Received Date: 25-Oct-2021  
 Job Report Date: 13-Dec-2021  
 Report Version: Final

	IMS-127 Cu ppm	IMS-127 Fe %	IMS-127 Ga ppm	IMS-127 Hg ppm	IMS-127 K %	IMS-127 La ppm	IMS-127 Mg %	IMS-127 Mn ppm	IMS-127 Mo ppm	IMS-127 Na %	IMS-127 Ni ppm	IMS-127 P ppm	IMS-127 Pb ppm	IMS-127 Re ppm
Sample ID	0.2	0.01	0.1	0.01	0.01	0.5	0.01	5	0.05	0.01	0.1	10	0.2	0.005
9375026	18.7	2.66	3.4	0.01	0.09	5.9	0.23	546	0.80	0.02	6.7	1434	8.9	<0.005
9375027	15.9	2.67	3.4	0.01	0.07	5.9	0.24	411	0.70	0.02	6.4	846	9.3	<0.005
9375028	27.4	3.16	4.7	0.01	0.13	6.4	0.40	358	0.51	0.02	9.0	610	10.2	<0.005
9375029	17.3	2.65	4.1	0.02	0.10	7.0	0.29	689	0.88	0.03	7.4	1344	10.2	<0.005
9375030	22.5	3.07	2.9	<0.01	0.08	6.1	0.28	329	0.45	0.02	6.7	841	6.7	<0.005
9375031	46.4	4.08	4.3	0.02	0.15	9.8	0.36	627	0.62	0.03	9.3	930	12.1	<0.005
9375032	32.2	6.20	3.4	0.03	0.06	9.6	0.26	291	1.21	0.02	6.7	804	6.6	<0.005
9375033	24.0	2.00	3.1	0.01	0.14	8.9	0.23	517	1.33	0.03	5.6	1341	7.7	<0.005
9375034	21.5	2.75	4.8	0.01	0.18	7.0	0.33	632	0.57	0.03	8.2	688	10.0	<0.005
9375035	18.3	2.17	4.0	0.01	0.06	5.7	0.26	505	0.86	0.03	7.7	1202	8.5	<0.005
9375036	22.1	2.69	6.3	0.02	0.08	7.6	0.28	667	0.84	0.02	7.5	1569	9.9	<0.005
9375037	18.2	2.57	5.1	0.01	0.09	6.1	0.24	595	0.63	0.02	6.3	1575	7.2	<0.005
9375038	20.3	2.32	5.3	0.02	0.08	5.6	0.22	458	0.59	0.03	6.6	1818	6.3	<0.005
9375039	41.0	2.46	7.1	0.02	0.20	9.3	0.28	541	0.58	0.03	7.5	733	8.3	<0.005
9375040	23.5	2.83	5.8	0.01	0.09	8.2	0.28	827	0.92	0.03	7.2	1580	10.2	<0.005
9375041	35.3	3.59	7.0	0.01	0.16	10.3	0.37	595	0.74	0.03	10.3	1006	10.9	<0.005
9375042	17.4	2.87	4.1	0.01	0.08	7.4	0.25	257	0.52	0.02	5.4	686	8.4	<0.005
9375043	15.2	1.88	3.7	0.02	0.12	5.8	0.17	300	0.34	0.02	4.7	399	8.4	<0.005
9375044	25.5	2.63	5.1	0.02	0.12	6.6	0.23	573	0.67	0.03	6.2	1247	9.7	<0.005
9375045	41.6	3.46	4.3	0.03	0.07	9.4	0.30	756	2.54	0.03	7.2	788	10.3	<0.005
9375046	19.7	2.28	4.9	0.01	0.07	6.1	0.21	512	3.01	0.03	5.9	1381	7.5	<0.005
9375047	152.2	2.06	4.3	0.03	0.09	14.9	0.29	538	3.24	0.04	10.4	849	8.7	<0.005
9375048	15.4	2.79	3.3	<0.01	0.09	6.9	0.19	287	0.46	0.02	5.2	884	6.0	<0.005
9375049	16.4	2.43	7.0	0.02	0.09	5.8	0.25	425	0.63	0.03	7.6	1356	8.8	<0.005
9375050	21.6	2.12	6.1	0.02	0.13	6.0	0.23	943	0.88	0.03	7.2	2240	7.5	<0.005

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<b>TEST REPORT:</b>	<b>YVR2111073</b>
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Project Name: 937  
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Sample ID	IMS-127 Cu ppm	IMS-127 Fe %	IMS-127 Ga ppm	IMS-127 Hg ppm	IMS-127 K %	IMS-127 La ppm	IMS-127 Mg %	IMS-127 Mn ppm	IMS-127 Mo ppm	IMS-127 Na %	IMS-127 Ni ppm	IMS-127 P ppm	IMS-127 Pb ppm	IMS-127 Re ppm
9375051	17.1	1.79	5.7	0.01	0.11	4.8	0.19	1026	1.00	0.03	6.3	2496	6.8	<0.005
9375052	17.0	1.79	5.6	0.02	0.09	5.4	0.20	1178	1.74	0.02	6.3	2776	6.6	<0.005
9375053	30.3	2.91	6.9	0.02	0.15	12.2	0.33	754	0.60	0.03	8.1	897	13.7	<0.005
9375054	28.1	2.35	5.2	0.02	0.09	7.8	0.23	1400	1.30	0.02	6.7	2132	10.0	<0.005
9375055	24.9	2.09	6.4	0.02	0.08	6.9	0.22	1167	2.08	0.03	6.2	2181	8.7	<0.005
9375056	25.6	3.89	5.4	0.01	0.17	9.6	0.31	425	0.64	0.02	6.7	1080	10.5	<0.005
9375057	39.3	3.61	4.8	0.03	0.20	11.0	0.39	540	0.92	0.03	8.1	1204	14.6	<0.005
9375058	16.1	2.19	5.5	0.01	0.07	3.8	0.27	235	0.77	0.06	6.7	506	7.3	<0.005
9375059	15.3	2.24	5.8	0.03	0.10	4.5	0.19	619	1.01	0.03	5.6	3034	7.2	<0.005
9375060	19.5	2.97	5.6	<0.01	0.14	7.8	0.25	420	0.62	0.03	6.8	414	7.8	<0.005
9375061	17.7	2.15	6.1	0.01	0.10	6.5	0.22	682	2.78	0.02	6.4	644	7.8	<0.005
9375062	16.2	2.20	6.2	0.02	0.11	7.5	0.26	831	2.92	0.02	7.3	333	11.7	<0.005
9375063	27.2	2.71	6.4	0.02	0.12	10.0	0.22	557	2.35	0.02	6.1	576	8.1	<0.005
9375064	36.0	2.39	5.3	0.03	0.09	8.1	0.30	457	0.90	0.03	7.4	1463	8.1	<0.005
9375065	19.9	2.61	4.8	0.02	0.09	5.1	0.23	447	0.61	0.03	6.3	1684	7.6	<0.005
9375066	11.5	2.24	4.7	0.01	0.07	6.0	0.19	576	0.72	0.02	5.5	1673	7.4	<0.005
9375067	19.9	3.06	7.6	0.01	0.16	5.5	0.34	341	0.50	0.03	9.8	931	11.6	<0.005
9375068	23.7	2.68	6.2	0.02	0.11	8.7	0.29	601	1.07	0.03	8.5	467	13.4	<0.005
9375069	17.4	2.31	5.2	0.02	0.14	4.4	0.20	251	1.13	0.03	6.1	765	9.6	<0.005
9375070	30.4	2.89	6.0	0.02	0.26	8.7	0.35	961	1.13	0.02	9.3	1105	16.2	<0.005
9375071	41.1	1.80	3.5	0.02	0.08	3.9	0.27	217	0.88	0.05	5.3	618	4.4	<0.005
9375072	12.2	1.43	5.2	0.01	0.10	3.2	0.17	185	0.64	0.05	4.1	1273	4.3	<0.005
9375073	19.6	1.92	4.0	0.02	0.15	5.2	0.18	183	0.65	0.04	4.2	189	5.2	<0.005
9375074	32.2	1.74	3.5	0.02	0.10	4.9	0.20	329	0.96	0.04	5.3	384	5.1	<0.005
9375075	18.7	2.04	4.8	0.03	0.07	5.0	0.18	579	0.66	0.03	5.0	2698	5.8	<0.005

\*\*\*Please refer to the cover page for comments regarding this test report. \*\*\*



MSALABS  
 Unit 1, 20120 102nd Avenue  
 Langley, BC V1M 4B4  
 Phone: +1-604-888-0875

To: **Discovery Consultants**  
**Box 933**  
**Vernon, BC, V1T 6M8**  
**Canada**

<b>TEST REPORT:</b>	<b>YVR2111073</b>
---------------------	-------------------

Project Name: 937  
 Job Received Date: 25-Oct-2021  
 Job Report Date: 13-Dec-2021  
 Report Version: Final

	IMS-127 Cu ppm	IMS-127 Fe %	IMS-127 Ga ppm	IMS-127 Hg ppm	IMS-127 K %	IMS-127 La ppm	IMS-127 Mg %	IMS-127 Mn ppm	IMS-127 Mo ppm	IMS-127 Na %	IMS-127 Ni ppm	IMS-127 P ppm	IMS-127 Pb ppm	IMS-127 Re ppm
Sample ID	0.2	0.01	0.1	0.01	0.01	0.5	0.01	5	0.05	0.01	0.1	10	0.2	0.005
9375076	15.1	2.13	4.5	0.03	0.06	4.9	0.20	374	0.84	0.02	5.6	1367	7.4	<0.005
9375077	16.0	2.68	5.6	0.01	0.08	5.2	0.24	410	0.65	0.02	7.2	1264	7.7	<0.005
9375078	10.6	1.81	4.8	0.01	0.12	5.4	0.17	432	1.02	0.02	4.1	302	6.5	<0.005
9375079	18.5	2.26	5.9	0.02	0.13	10.0	0.20	1176	2.56	0.03	5.3	1525	10.1	<0.005
9375080	14.7	1.96	5.2	0.02	0.12	7.1	0.20	737	3.97	0.03	5.0	447	9.8	<0.005
9375081	18.2	2.18	7.8	0.02	0.10	5.6	0.26	815	2.00	0.03	9.9	1854	8.4	<0.005
9375082	14.9	2.45	4.1	0.01	0.16	7.6	0.21	438	0.56	0.02	5.1	458	9.0	<0.005
9375083	30.8	2.14	5.9	0.03	0.14	6.2	0.21	596	2.75	0.03	5.9	1155	7.5	<0.005
9375084	22.0	3.12	5.1	0.01	0.08	5.1	0.25	338	1.10	0.02	7.3	917	8.8	<0.005
9375085	19.2	2.22	5.6	0.01	0.09	5.9	0.21	418	2.07	0.02	4.6	481	7.6	<0.005
9375086	56.4	2.52	4.2	0.03	0.08	8.9	0.29	714	1.77	0.03	6.4	608	7.6	<0.005
9375087	22.5	2.18	5.2	0.01	0.09	5.6	0.22	348	1.66	0.02	5.4	452	7.9	<0.005
DUP 9375008	14.4	1.80	3.4	0.02	0.10	4.7	0.20	946	0.98	0.03	5.6	1788	6.9	<0.005
DUP 9385062	17.2	2.30	6.3	0.02	0.11	7.8	0.27	840	2.78	0.02	7.1	328	11.4	<0.005
STD BLANK	<0.2	<0.01	<0.1	<0.01	<0.01	<0.5	<0.01	<5	<0.05	<0.01	0.1	<10	<0.2	<0.005
STD BLANK	<0.2	<0.01	<0.1	<0.01	<0.01	<0.5	<0.01	<5	<0.05	<0.01	0.1	<10	<0.2	<0.005
STD OREAS 20a	48.7	3.36	8.4	<0.01	1.42	34.0	1.20	357	2.94	0.27	37.8	989	5.6	<0.005
STD OREAS 601	993.5	2.20	4.9	0.32	0.27	22.0	0.20	458	3.80	0.08	25.1	389	277.3	<0.005

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**Canada**

<b>TEST REPORT:</b>	<b>YVR2111073</b>
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Project Name: 937  
 Job Received Date: 25-Oct-2021  
 Job Report Date: 13-Dec-2021  
 Report Version: Final

Sample ID	IMS-127 S %	IMS-127 Sb ppm	IMS-127 Sc ppm	IMS-127 Se ppm	IMS-127 Sr ppm	IMS-127 Te ppm	IMS-127 Th ppm	IMS-127 Ti %	IMS-127 Tl ppm	IMS-127 U ppm	IMS-127 V ppm	IMS-127 W ppm	IMS-127 Y ppm	IMS-127 Zn ppm
9375001	<0.01	0.17	1.4	<0.2	26.0	<0.05	0.7	0.070	0.06	0.40	47	0.13	3.4	109
9375002	0.02	0.16	2.4	<0.2	41.6	<0.05	0.5	0.090	0.09	0.58	53	0.20	5.2	156
9375003	0.02	0.19	3.4	<0.2	43.9	<0.05	0.7	0.112	0.10	0.84	68	0.22	8.1	149
9375004	<0.01	0.18	2.4	<0.2	27.8	<0.05	1.2	0.088	0.06	0.48	75	0.19	4.2	99
9375005	<0.01	0.19	2.4	<0.2	27.0	<0.05	1.8	0.090	0.06	0.44	76	0.17	4.4	63
9375006	0.01	0.11	1.6	<0.2	25.7	<0.05	0.7	0.082	0.06	0.41	45	0.25	2.8	123
9375007	0.01	0.18	3.1	<0.2	42.6	<0.05	1.9	0.127	0.11	0.69	69	0.23	5.0	158
9375008	0.01	0.09	1.5	<0.2	29.1	<0.05	0.8	0.084	0.06	0.37	48	0.17	2.8	145
9375009	<0.01	0.14	2.0	<0.2	25.9	<0.05	2.0	0.076	0.07	0.79	48	0.20	4.7	96
9375010	0.01	0.16	2.5	<0.2	27.7	<0.05	3.5	0.085	0.07	1.49	58	0.32	9.3	46
9375011	<0.01	0.17	2.1	<0.2	29.0	<0.05	1.9	0.073	0.05	0.61	80	0.23	5.0	49
9375012	0.03	0.09	1.2	<0.2	48.6	<0.05	0.3	0.085	0.07	0.55	39	0.26	3.8	219
9375013	0.03	0.12	1.8	<0.2	37.5	<0.05	0.5	0.102	0.07	0.70	53	0.22	4.8	154
9375014	0.02	0.13	2.0	<0.2	30.9	<0.05	0.9	0.099	0.07	0.56	58	0.22	4.1	128
9375015	0.02	0.11	1.7	<0.2	29.8	<0.05	0.6	0.100	0.08	0.50	52	0.19	3.9	147
9375016	0.01	0.13	2.1	<0.2	28.5	<0.05	1.2	0.107	0.07	0.48	71	0.17	3.6	165
9375017	<0.01	0.15	2.1	<0.2	29.5	<0.05	1.2	0.087	<0.05	0.38	72	0.19	3.4	124
9375018	<0.01	0.19	2.5	<0.2	29.9	<0.05	2.1	0.086	0.06	0.46	69	0.20	4.1	93
9375019	0.01	0.20	3.4	<0.2	30.9	<0.05	1.9	0.122	0.13	0.73	70	0.21	6.4	103
9375020	0.01	0.17	3.6	<0.2	40.0	<0.05	1.7	0.116	0.09	0.72	78	0.25	6.8	111
9375021	0.02	0.11	1.8	<0.2	29.6	<0.05	0.5	0.100	0.06	0.63	49	0.14	4.2	172
9375022	0.02	0.13	2.3	<0.2	32.3	<0.05	0.8	0.105	0.06	0.54	53	0.38	4.2	134
9375023	0.02	0.11	2.1	<0.2	27.6	<0.05	0.5	0.107	0.06	0.71	54	0.16	3.7	153
9375024	0.01	0.14	2.8	<0.2	26.9	<0.05	1.4	0.125	0.07	0.82	61	0.17	4.9	182
9375025	0.01	0.13	2.6	<0.2	30.0	<0.05	1.4	0.126	0.07	0.61	72	0.19	4.5	174

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**Vernon, BC, V1T 6M8**  
**Canada**

<b>TEST REPORT:</b>	<b>YVR2111073</b>
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Project Name: 937  
 Job Received Date: 25-Oct-2021  
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Sample ID	IMS-127 S %	IMS-127 Sb ppm	IMS-127 Sc ppm	IMS-127 Se ppm	IMS-127 Sr ppm	IMS-127 Te ppm	IMS-127 Th ppm	IMS-127 Ti %	IMS-127 Tl ppm	IMS-127 U ppm	IMS-127 V ppm	IMS-127 W ppm	IMS-127 Y ppm	IMS-127 Zn ppm
9375026	<0.01	0.16	2.4	<0.2	31.0	<0.05	1.0	0.091	0.06	0.46	77	0.19	4.3	106
9375027	<0.01	0.14	2.1	<0.2	25.1	<0.05	0.9	0.089	0.06	0.67	75	0.43	4.0	98
9375028	<0.01	0.19	2.9	<0.2	36.3	<0.05	2.0	0.140	0.10	0.59	89	0.20	4.1	113
9375029	<0.01	0.13	2.5	<0.2	35.3	<0.05	1.6	0.113	0.08	0.64	71	1.00	4.3	131
9375030	<0.01	0.19	2.6	<0.2	28.4	<0.05	2.4	0.099	0.06	0.55	96	0.22	4.5	74
9375031	0.02	0.19	3.5	<0.2	38.7	<0.05	1.4	0.127	0.08	0.83	127	0.22	8.0	109
9375032	0.06	0.28	1.7	1.0	27.6	<0.05	2.0	0.099	<0.05	5.66	207	0.35	6.4	55
9375033	<0.01	0.12	2.6	<0.2	38.0	<0.05	2.7	0.098	0.06	0.74	45	0.19	5.0	115
9375034	<0.01	0.12	3.0	<0.2	35.2	<0.05	2.1	0.134	0.10	0.57	72	0.18	4.6	138
9375035	<0.01	0.14	2.1	<0.2	31.2	<0.05	1.2	0.102	0.07	0.55	58	0.16	3.7	135
9375036	<0.01	0.28	3.1	<0.2	32.1	<0.05	4.3	0.099	0.08	1.05	72	0.20	5.0	132
9375037	<0.01	0.24	2.9	<0.2	37.3	<0.05	1.5	0.093	0.05	0.50	73	0.26	4.4	90
9375038	<0.01	0.18	2.7	<0.2	35.6	<0.05	1.1	0.099	<0.05	0.44	64	0.15	3.9	102
9375039	0.01	0.19	4.2	<0.2	36.9	<0.05	1.1	0.124	0.08	0.98	60	0.17	8.2	129
9375040	0.01	0.27	2.9	<0.2	39.0	<0.05	1.0	0.105	0.06	0.62	78	0.33	5.1	123
9375041	<0.01	0.26	4.2	<0.2	44.4	<0.05	2.2	0.133	0.08	0.73	101	0.21	7.6	126
9375042	<0.01	0.38	3.3	<0.2	38.4	<0.05	1.8	0.111	0.05	0.55	89	0.31	4.4	53
9375043	<0.01	0.27	2.2	<0.2	38.0	<0.05	1.9	0.076	0.05	0.30	47	0.15	4.0	52
9375044	0.01	0.23	2.5	<0.2	39.2	<0.05	1.1	0.091	0.05	0.99	69	0.27	4.7	107
9375045	0.05	0.44	2.3	1.1	52.0	<0.05	1.3	0.089	0.08	3.88	99	1.85	7.7	55
9375046	<0.01	0.20	2.5	<0.2	32.5	<0.05	1.4	0.090	<0.05	1.48	58	0.28	4.0	102
9375047	0.04	0.26	2.8	0.8	67.0	<0.05	1.0	0.074	0.05	15.81	43	0.36	17.2	51
9375048	<0.01	0.27	2.4	<0.2	32.2	<0.05	2.0	0.080	<0.05	0.45	85	0.19	4.2	47
9375049	<0.01	0.21	2.7	<0.2	32.7	<0.05	1.9	0.126	0.07	0.53	62	0.21	3.4	141
9375050	0.02	0.15	2.2	<0.2	39.9	<0.05	1.0	0.104	0.07	0.58	52	0.16	3.7	169

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<b>TEST REPORT:</b>	<b>YVR2111073</b>
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Project Name: 937  
 Job Received Date: 25-Oct-2021  
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Sample ID	IMS-127 S %	IMS-127 Sb ppm	IMS-127 Sc ppm	IMS-127 Se ppm	IMS-127 Sr ppm	IMS-127 Te ppm	IMS-127 Th ppm	IMS-127 Ti %	IMS-127 Tl ppm	IMS-127 U ppm	IMS-127 V ppm	IMS-127 W ppm	IMS-127 Y ppm	IMS-127 Zn ppm
9375051	0.02	0.15	1.6	<0.2	33.9	<0.05	0.5	0.087	0.06	0.42	43	0.14	2.9	152
9375052	0.02	0.23	1.3	<0.2	47.1	<0.05	0.4	0.080	0.06	0.45	42	0.17	3.4	159
9375053	0.01	0.22	3.5	<0.2	48.4	<0.05	1.7	0.117	0.10	0.99	73	0.20	7.9	115
9375054	0.02	0.27	2.2	<0.2	66.6	<0.05	1.2	0.081	0.06	0.70	59	0.20	4.7	164
9375055	0.02	0.18	1.8	<0.2	41.1	<0.05	0.5	0.090	0.06	1.17	48	1.72	4.1	150
9375056	0.02	0.28	3.2	<0.2	41.9	<0.05	3.7	0.105	0.07	1.01	111	0.26	5.3	77
9375057	0.03	0.37	3.6	<0.2	54.6	<0.05	2.6	0.101	0.08	0.99	100	0.31	8.6	121
9375058	0.02	0.18	1.9	<0.2	50.6	<0.05	1.1	0.103	<0.05	0.59	51	0.13	2.2	143
9375059	0.02	0.13	1.8	<0.2	37.6	<0.05	0.8	0.094	<0.05	0.67	57	0.15	2.6	122
9375060	<0.01	0.25	2.9	<0.2	38.7	<0.05	2.1	0.112	0.07	0.66	82	0.16	5.2	75
9375061	0.01	0.16	2.3	<0.2	35.1	<0.05	1.0	0.088	0.06	0.87	50	0.16	4.0	82
9375062	<0.01	0.18	2.5	<0.2	30.3	<0.05	2.4	0.089	0.06	0.87	48	0.19	4.1	113
9375063	<0.01	0.17	3.3	<0.2	28.5	<0.05	2.6	0.090	0.07	1.16	63	0.18	6.2	91
9375064	0.02	0.18	2.9	0.3	52.7	<0.05	1.5	0.102	0.08	3.76	60	0.16	6.8	136
9375065	0.01	0.22	2.5	<0.2	41.4	<0.05	1.7	0.093	<0.05	0.52	70	0.21	2.9	110
9375066	<0.01	0.17	2.3	<0.2	31.1	<0.05	1.5	0.083	<0.05	0.70	56	0.65	3.4	111
9375067	<0.01	0.22	3.2	<0.2	46.1	<0.05	4.1	0.132	0.08	0.66	77	0.15	3.1	202
9375068	0.01	0.24	3.5	<0.2	55.6	<0.05	2.4	0.113	0.06	0.80	65	0.19	6.2	123
9375069	<0.01	0.16	2.2	<0.2	29.7	<0.05	1.4	0.093	0.05	0.72	57	0.14	2.7	132
9375070	0.02	0.23	3.4	<0.2	57.3	<0.05	1.9	0.096	0.08	0.85	72	0.34	5.9	135
9375071	0.05	0.13	1.7	0.7	55.6	<0.05	0.7	0.070	<0.05	3.79	29	0.18	4.0	27
9375072	0.02	0.07	1.8	<0.2	73.4	<0.05	0.9	0.073	<0.05	0.51	31	0.08	2.4	52
9375073	0.01	0.12	2.5	<0.2	41.6	<0.05	1.5	0.076	<0.05	0.41	43	0.12	3.6	45
9375074	0.03	0.12	1.7	0.3	80.2	<0.05	0.6	0.062	<0.05	1.14	40	0.36	3.7	43
9375075	0.02	0.09	1.8	0.3	52.5	<0.05	0.7	0.071	<0.05	2.03	51	0.17	3.1	88

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<b>TEST REPORT:</b>	<b>YVR2111073</b>
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Project Name: 937  
 Job Received Date: 25-Oct-2021  
 Job Report Date: 13-Dec-2021  
 Report Version: Final

	IMS-127 S %	IMS-127 Sb ppm	IMS-127 Sc ppm	IMS-127 Se ppm	IMS-127 Sr ppm	IMS-127 Te ppm	IMS-127 Th ppm	IMS-127 Ti %	IMS-127 Tl ppm	IMS-127 U ppm	IMS-127 V ppm	IMS-127 W ppm	IMS-127 Y ppm	IMS-127 Zn ppm
Sample ID	0.01	0.05	0.1	0.2	0.5	0.05	0.2	0.005	0.05	0.05	1	0.05	0.5	2
9375076	<0.01	0.13	2.0	<0.2	23.8	<0.05	1.5	0.070	<0.05	0.46	55	0.19	2.7	86
9375077	<0.01	0.13	2.3	<0.2	32.8	<0.05	4.0	0.080	0.06	0.64	69	0.16	2.9	106
9375078	<0.01	0.11	2.1	<0.2	23.8	<0.05	1.6	0.064	<0.05	0.50	42	0.15	3.1	58
9375079	0.01	0.13	3.0	<0.2	32.4	<0.05	2.3	0.070	0.05	0.99	49	0.19	5.8	146
9375080	0.01	0.12	2.6	<0.2	38.7	<0.05	1.2	0.075	0.05	0.95	42	0.17	4.3	76
9375081	0.01	0.09	2.6	<0.2	30.3	<0.05	1.8	0.109	0.10	0.56	50	0.17	3.5	157
9375082	<0.01	0.14	2.8	<0.2	33.9	<0.05	2.4	0.080	0.06	0.52	62	0.19	4.9	80
9375083	0.01	0.08	2.3	<0.2	39.6	<0.05	1.8	0.077	<0.05	1.66	48	0.91	4.2	115
9375084	<0.01	0.19	2.5	<0.2	33.7	<0.05	1.9	0.081	<0.05	0.46	85	0.35	3.2	79
9375085	<0.01	0.15	2.0	<0.2	33.6	<0.05	1.4	0.067	<0.05	0.74	51	0.18	3.0	69
9375086	0.05	0.24	2.2	0.6	53.4	<0.05	1.4	0.071	0.08	7.87	64	0.19	7.2	59
9375087	<0.01	0.14	2.5	<0.2	30.5	<0.05	2.2	0.078	0.05	0.76	51	0.15	3.4	67
DUP 9375008	0.01	0.10	1.6	<0.2	30.7	<0.05	0.8	0.088	0.06	0.39	47	0.18	3.0	151
DUP 9385062	<0.01	0.19	2.8	<0.2	31.7	<0.05	2.5	0.103	0.06	0.85	51	0.20	4.3	120
STD BLANK	<0.01	<0.05	<0.1	<0.2	<0.5	<0.05	<0.2	<0.005	<0.05	<0.05	<1	<0.05	<0.5	<2
STD BLANK	<0.01	<0.05	<0.1	<0.2	<0.5	<0.05	<0.2	<0.005	<0.05	<0.05	<1	<0.05	<0.5	<2
STD OREAS 20a	0.07	0.28	7.4	<0.2	61.8	<0.05	20.7	0.387	0.89	5.91	105	2.06	19.1	62
STD OREAS 601	1.04	20.58	1.8	11.8	36.9	16.13	6.9	0.011	0.74	1.80	9	1.01	5.9	1257

\*\*\*Please refer to the cover page for comments regarding this test report. \*\*\*