

Ministry of Energy and Mines  
BC Geological Survey

Assessment Report  
Title Page and Summary

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

TOTAL COST: \$20,685.13

AUTHOR(S): Arnd Burgert

SIGNATURE(S): 

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): \_\_\_\_\_ YEAR OF WORK: 2011

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): 5165271 Jan. 14, 2012

PROPERTY NAME: Volcanics

CLAIM NAME(S) (on which the work was done): 550746

COMMODITIES SOUGHT: copper, zinc, gold

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

MINING DIVISION: Victoria

NTS/BCGS: NTS 092B/13; BCGS 092B 82

LATITUDE: 48 ° 52 ' 15 " LONGITUDE: 123 ° 43 ' 47 " (at centre of work)

OWNER(S):

1) Rock-Con Resources Inc.

2) \_\_\_\_\_

MAILING ADDRESS:

PO Box 37090, RPO Country Club, Nanaimo, BC V9T 6N4

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

1) Knappett Industries (2006) Ltd.

2) \_\_\_\_\_

MAILING ADDRESS:

PO Box 37090, RPO Country Club, Nanaimo, BC V9T 6N4

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

chert, siliclastics, volcanoclastics, calc-alkaline volcanics, gabbro, diorite, mississippian, permian, devonian, triassic  
volcanogenic massive sulphides, quartz-sulphide veins

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: 11841, 32130

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> 169 samples      50 element ICP + FA for Au		550746	\$20,375.13
<b>Silt</b>	_____	_____	_____
<b>Rock</b> 10 samples      50 element ICP + FA for Au		550746	\$310.00
<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>	\$20,685.13

# ASSESSMENT REPORT

describing

## ROCK AND GRID SOIL GEOCHEMISTRY

on the

## VOLCANICS PROPERTY

Located in the Chemainus Area  
Victoria Mining Division  
NTS 092B/13; BCGS 092B 82  
48° 52' 15" N Latitude; 123° 43' 47" W Longitude

**MTO STATEMENT OF WORK EVENT NO. 5165271**

-prepared for-

**Rock-Con Resources Inc. and RCR Mining LLP**

-by-



Arnd Burgert, P.Geo.  
**Arnd Burgert Consulting, Ltd.**

February 29, 2012

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## **1.0 SUMMARY**

The Volcanics Property consists of one mineral tenure located 6.0 km south of the town of Chemainus on southern Vancouver Island. RCR Mining LLP owns Rock-Con Resources Inc. which holds a 100% interest in the Property.

The geologic setting at the Property is prospective for both VMS and quartz-sulphide mineralization. Significant mineral deposits in the Cowichan-Chemainus-Ladysmith area are hosted by the same lithologies that are present at the property.

The 2011 grid soil sampling survey was successful in identifying several zones of anomalous soil geochemical concentrations for arsenic, copper, lead, molybdenum, silver, and zinc. The magnitudes of the concentrations suggest mineral sources beyond background rock concentrations, and the linear shapes of the anomalies suggest a source having a strike comparable to that of the prominent geologic banding.

The anomalous areas should be followed up by prospecting, and where appropriate, hand pitting in search of mineralized rock. Geology should be mapped in greater detail to help interpret the soil geochemistry, and to prioritize areas that warrant follow-up prospecting. A budget of \$20,000 is suggested for this work.

## **2.0 INTRODUCTION**

The directors of Rock Con Resources Inc. contracted Arnd Burgert Consulting, Ltd. to manage a reconnaissance soil sampling program on the Property. The field work was supervised by Mr. Arnd Burgert, P.Geol. A total of 169 soil samples was collected. A statement of expenditures is included as Appendix 1. The work was carried out by a four person crew based in Chemainus, during the period of May 16 to May 20, 2011 (inclusive).

The Volcanics Property is situated 6.0 km south of the town of Chemainus, on southern Vancouver Island. Centred at 48° 52' 15" north latitude and 123° 43' 47" west longitude, it is located in the Victoria Mining Division. The Property location is shown on Figure 1.

Geology underlying the Property consists of intrusives of the Mount Hall Suite and volcanics belonging to the Sicker Group. The main host rocks for volcanogenic massive sulphide mineralization on Vancouver Island are those of the Mississippian to Devonian age Buttle Lake and Sicker Groups. In the area of the Volcanics Property, the Sicker Group is the main host of volcanogenic massive sulphide (VMS) mineralization, including past producers Lenora and Victoria, located 6 km to the west. Quartz-sulphide mineralization can be hosted in Mount Hall Suite rocks that occur in the northern portion of the Property. The geologic setting at the Property is prospective for both VMS and quartz-sulphide mineralization.

The grid soil geochemistry was successful in identifying areas containing anomalous soil concentrations for arsenic, copper, lead, molybdenum, silver, and zinc. Two prominent, linear, parallel, multi-element soil geochemistry anomalies cross the central and southern portions of the grid area from northwest to southeast.

The magnitude of the concentrations suggests mineral sources beyond background rock concentrations, and the linear shapes of the anomalies suggest sources which follow the strike of the local geologic banding.

### **3.0 PHYSIOGRAPHY**

The Volcanics Property is situated on the eastern flank of Sicker Mountain. Topography slopes northeast at a moderate grade of about 25%. This grade is broken by occasional rocky bluffs. Elevations range from 80 m at the base of the mountain in the northeast corner of the Property to 360 m on the hillside at the southwest corner (Figure 2).

The area lies in the Pacific Maritime ecozone, with hot, dry summers and mild, wet winters. At Chemainus, mean temperatures are 4.7°C in January and 19°C in July. The 30-year normal annual precipitation at North Cowichan is 1169 millimetres. The property can be worked year-round, but the woods are typically closed to mechanical work some time in August due to fire hazard.

Vegetation consists of mature fir up to 50 centimetres in diameter at breast height, except where recently logged. Underbrush is generally sparse but can be thick along drainages. Labour, contractors and supplies are readily available in Chemainus, located 6 kilometres to the north.

The route to the centre of the Property, and main access for the soil sampling program, is a logging road that turns west off Highway 1, about 4.3 km south of the Chemainus turnoff.

### **4.0 HISTORY**

In the Cowichan-Chemainus-Ladysmith area, several occurrences of volcanogenic massive sulphide-style copper-lead-zinc deposits have been documented in Paleozoic Sicker and Buttle Lake groups. These include the past producers Lenora and Victoria, both located about 6 km west of the Property atop Sicker Mountain.

Previous exploration work carried out on the Property includes prospecting and rock sampling by Rock-Con (Houle, 2011), and a remote sensing study (McLelland, 2010), also undertaken for Rock-Con. During December 1982, a small drill program took place at a location 1,000 m south of the southeast corner of the current Volcanics claim (Lonsdale, 1983). Three X-Ray drill holes intersected chlorite- and epidote-altered

mafic volcanics. Calcite veins were commonly encountered, and occasionally disseminated pyrite and narrow (typically 1 mm wide) pyrite veins.

## 5.0 CLAIM INFORMATION

The Volcanics Property consists of one mineral tenure, information for which is listed in Table 1. The claim covers an area of 106.26 hectares, at the location depicted on Figure 2. The expiry date listed in Table 1 assumes that work described in this report is accepted for credit. The mineral claim is held by Rock-Con Resources Inc.

**TABLE 1: MTO CLAIM INFORMATION**

Tenure No.	Claim Name	Issue Date	Good To Date	Area (ha)
550746	VOLCANICS	2007/jan/30	2022/jan/12	106.2599

## 6.0 GEOLOGY

### 6.1 Regional Geology

A map of regional geology is included as Figure 3. The following description of regional geology is modified from Massey (1995) and Ruks (2010).

The oldest rocks in the Duncan area belong to the Sicker and Buttle Lake groups which contain volcanic and sedimentary units ranging from Middle Devonian to Early Permian age. As described in Houle (2011), they are the main host rocks for volcanogenic massive sulphide (VMS) mineralization on Vancouver Island, including the Myra Falls deposit in the Campbell River region. Younger plutonic rocks, such as the Late Triassic Mount Hall gabbroic to dioritic rocks or the Jurassic Island Plutonic Suite rocks, can host quartz-sulphide mineralization.

The Sicker Group is a thick package of lower greenschist facies, metavolcanic and volcanoclastic rocks that formed in an oceanic island-arc environment. A comparison of stratigraphic nomenclatures is illustrated at right, in which the Yorath framework may be applicable to the entire Sicker Group.

The Sicker Group within the Cowichan Lake uplift is presently interpreted to

	Muller, 1977 (Vancouver Island)	Juras, 1987 (Buttle Lake Uplift)	Yorath et al., 1999 (Alberni area)
		Buttle Lake Gp	Buttle Lake Gp
			St. Mary Lk Fm
Sicker Gp	Buttle Lk Fm	Mt Mark Fm	Mt Mark Fm
	Sediment Sill Unit		Fourth Lk Fm
	Myra Fm	Sicker Gp	Buttle Lake Gp
	Nitinat Fm	Sicker Gp	Sicker Gp
		Flower Ridge Fm	McLaughlin Ridge Fm
		Thelwood Fm	
		Myra Fm	Nitinat Fm
		Price Fm	Duck Lk Fm

represent three distinct volcanic and volcanoclastic assemblages that together are thought to record the evolution of an oceanic magmatic arc. The lowermost Duck Lake Formation, consisting largely of basalt, is interpreted to represent the oceanic crust basement on which the Sicker arc was built. It is overlain by the Nitinat Formation, consisting of mafic volcanic and volcanoclastic rocks representing early stage arc development. The Nitinat Formation in turn is overlain by the rhyolitic to dacitic McLaughlin Ridge Formation which reflects a more evolved stage of arc activity. Lithologic descriptions typical of each of the three formations and the overlying Buttle Lake member formations follow.

The Duck Lake Formation yields mainly normal midocean-ridge basalt (N-MORB) geochemical signatures. The upper portions of the Duck Lake Formation yield tholeiitic to calcalkaline compositions and may represent primitive arc rocks.

The Nitinat Formation consists of a heterogeneous sequence of mafic to felsic volcanics and volcanoclastic sediments. It comprises mafic, submarine volcanic and volcanoclastic rocks with dominantly calcalkaline compositions and trace-element signatures typical of volcanic arc settings. Pyroxene-feldspar-porphyrific basalts and basaltic andesites typically occur as agglomerates, breccias, lapilli tufts and crystal tufts that formed as pyroclastic flows, debris flows and lahars. Pyroxene-phyric, amygdaloidal, pillowed and massive flows are also developed.

The andesitic to mainly dacitic and rhyolitic McLaughlin Ridge Formation overlies, apparently conformably, the Nitinat, and is believed to be correlative with the Myra Formation, the host rocks for the Myra Falls deposits. McLaughlin Ridge volcanics are predominantly intermediate pyroclastics, commonly feldspar crystal-lapilli tufts, heterolithic lapilli tufts and breccias and minor pyroxene-phyric lapilli tufts. A thick package of felsic quartz-crystal, quartz-feldspar-crystal and fine dust-tufts is developed in the Chipman Creek-Mount Sicker-Mount Richards area. It thins to the west, where it interfingers with andesitic lapilli tufts and breccias. The uppermost unit is a distinctive maroon schistose heterolithic breccia and lapilli tuff with minor jasper, exposed in the Chipman Creek area. Eruption of Nitinat volcanic and volcanoclastic rocks appears to have occurred from several widely scattered centres, whereas the McLaughlin Ridge Formation within the Cowichan Lake up lift is thought to represent eruption from one or more major volcanic edifices. The abundance of proximal felsic volcanoclastic rocks and the presence of voluminous comagmatic felsic intrusions in the Saltspring Island and Duncan areas indicate that one of these major volcanic centres was located in this area. Plant fossils indicate that at least a minor amount of the McLaughlin Ridge volcanism occurred in a subaerial setting. Coeval, and probably consanguineous, with the felsic volcanics in the McLaughlin Ridge Formation is a suite of granodiorite stocks and quartz porphyry dikes collectively known as the Saltspring Intrusive Suite. The Sicker Group volcanic rocks and associated intrusions form a coherent suite of medium-potassium calcalkaline chemistry typical of an island-arc.

The Buttle Lake Group is made up of a dominantly epiclastic and bioclastic limestone sedimentary sequence ranging from Mississippian to Early Permian in age. Within the



Duncan area, the Buttle Lake Group is most often found in fault contact with the lower volcanic units of the Sicker Group. However, it is conformable on the McLaughlin Ridge Formation south of Sansum Point and in the Chipman Creek area and on the southwest limb of the Cowichan uplift, is unconformable on the lower volcanics.

The Fourth Lake Formation comprises mostly thin-bedded, often cherty sediments. North of the Chemainus River, thinly bedded turbiditic clastic sediments conformably overlie the McLaughlin Ridge volcanics and dominate the sequence. Minor volcanism was synchronous with early Fourth Lake Formation sedimentation in the Coronation Mountain area. This 'Coronation Mountain suite' consists of hornfelsed, amygdaloidal diabasic flows, which are generally massive but occasionally pillowed, and interbedded cherty tufts and sediments. The basalts are slightly undersaturated olivine tholeiites or transitional basalts, with somewhat enriched incompatible trace-element contents akin to ocean-island tholeiite or enriched ocean-floor basalt.

The Mount Mark Formation conformably overlies the Fourth Lake Formation, although outcrops of the formation are restricted to the Fairservice Mountain-Bear Creek area, south of the Cowichan River. It comprises massive and laminated crinoidal calcarenites with chert and argillite interbeds.

The Paleozoic and Triassic rocks have been intruded by granodioritic bodies of the Early to Middle Jurassic Island Plutonic Suite. With the exception of the large Ladysmith pluton, these granodiorite intrusions are elongate in surface outcrop shape, paralleling the overall structural grain of the area. The dominant lithology is a medium to coarse-grained, equigranular granodiorite to quartz diorite with a characteristic 'salt-and-pepper texture'. Most of the large intrusive bodies are rich in mafic inclusions, especially in marginal intrusive breccias. Contact metamorphic aureoles are developed around the intrusions causing hornfelsing and skarning in Paleozoic rocks. A variety of dikes and small irregular intrusions, that are probably coeval with the Island Plutonic Suite, occur throughout the area. Lithologically they include intermediate feldspar porphyry, hornblende feldspar porphyry and minor diabase. The Jurassic intrusions are coeval with the Bonanza volcanics, which outcrop in the Cowichan Lake area to the west. They form a metaluminous, medium to high-potassium calcalkaline suite typical of a convergent-margin environment.

Clastic sediments of the Upper Cretaceous Nanaimo Group lie unconformably on the older rocks. They are most thickly developed in the Maple Bay to Mount Prevost area, the Cowichan and Chemainus River valleys and the shoreline from Crofton to Ladysmith. The lower Benson Formation comprises basal cobble and boulder conglomerates and overlying medium to coarse-grained sandstones. These are succeeded by the black argillites and siltstones of the Haslam Formation. Pebble and cobble conglomerates of the Extension Formation conformably overlie Haslam Formation argillites on top of Mount Prevost and along the Chemainus River. Grey, medium to coarse-grained sandstones are interbedded with and overlie the conglomerates. Argillites of the Fender Formation, overlying the Extension Formation,

are exposed in the incised gorge along the Chemainus River just below its confluence with Chipman Creek. Younger formations of the Nanaimo Group are absent.

In the area of the South Group Properties, the McLaughlin Ridge Formation of the Devonian Sicker Group is the main host of volcanogenic massive sulphide (VMS) mineralization.

## 6.2 Property Geology

A map showing property geology appears as Figure 4, and descriptions of rock samples are summarized in Appendix 2. Geology underlying the Property is mapped as intrusives of the Mount Hall Suite and volcanics belonging to the Sicker Group.

The volcanic rocks mapped on the Property consist of fine-grained, dark green, chlorite-altered andesite belonging to Sicker Group. Quartz eyes commonly comprise 15% to 25% of the composition. Thin (1 mm wide) magnetite bands are noted, and fine-grained pyrite is seen as small clots (1 mm wide), fracture coatings, and disseminations.

Intrusive rocks on the Property are medium-grained, equigranular intrusives, of approximately dioritic composition.

## **7.0 GEOCHEMISTRY**

### 7.1 Methodology

During the 2011 grid soil sampling program, 169 soil samples were collected. Soil sample sites were marked with aluminum tags inscribed with sample numbers and fastened to tree limbs with wire ties. Geotuls were used to collect soil samples from the 'B' soil horizon whenever possible, but where no 'B' horizon was visible, 'C' horizon was sampled. Soil was placed in Kraft soil bags labelled with the corresponding sample number. All soil samples were shipped to Inspectorate Exploration & Mining Services Ltd. in Richmond for analyses.

In the laboratory, samples were dried and sieved to - 80 mesh. The fine fraction was digested in a four-acid mix and analyzed for 50 elements by the ICP-MS method, and gold by fire assay with atomic absorption finish.

During the course of the field work, ten rock grab samples were also collected. Rock sample sites were marked with aluminum tags inscribed with sample numbers and fastened to tree limbs with wire ties. Grab samples were composed by selecting two or three fist-sized chunks of rock and packing them in plastic rock bags together with a numbered sample tag. A duplicate sample was collected as a specimen to be retained

for later reference, and for microscopic examination. Sample bags were sealed using cable ties before submitting them to Inspectorate Exploration & mining Services Ltd. in Richmond for analyses.

At the lab, rock samples were crushed, split, and a subsample was pulverized. The subsample was digested in a four-acid mix and analyzed for 50 elements by the ICP-MS method, and for gold by fire assay with atomic absorption finish.

## 7.2 Results

Locations of rock samples are plotted on Figure 4, annotated with sample numbers and copper concentrations. Locations of soil samples are plotted on Figure 5. Soil geochemistry plots for arsenic, copper, lead, molybdenum, silver, and zinc are presented on figures 6 through 11. A summary of rock and soil sample descriptions is included as Appendix 2, and Certificates of Analysis are included as Appendix 3.

The highest copper concentration (1332.1 ppm) was obtained from rock sample No. 18060. The rock consisted of fine-grained dark green volcanic and 25% quartz vein.

The grid soil geochemistry program has identified areas containing anomalous soil concentrations for arsenic, copper, lead, molybdenum, silver, and zinc. A prominent, linear, multi-element soil geochemistry anomaly crosses the centre of the grid area from northwest to southeast. A second, parallel, linear, multi-element anomaly extends across the southern corner of the grid.

## **8.0 INTERPRETATION AND CONCLUSIONS**

The magnitudes of the peak soil concentrations for elements of interest (1093 ppm copper; 1.7 ppm silver; 5.2 ppm molybdenum; 103.9 ppm lead; and 2263 ppm zinc) suggest mineral sources having concentrations greater than typical bedrock background concentrations.

The narrow, elongate shapes of the anomalous zones are aligned parallel with the local trend of the geologic banding, suggesting a nearby bedrock source. Follow-up work is warranted to fully explain the soil geochemistry anomalies.

## **9.0 RECOMMENDATIONS**

The anomalous areas should be followed up by prospecting, and where appropriate, hand pitting in search of mineralized rock. Additionally, geology should be mapped in greater detail to help interpret the soil geochemistry, and prioritize areas that warrant follow-up prospecting. A budget of \$20,000 is suggested for this work.

## 10.0 REFERENCES

Houle, J., 2011; Assessment Report for Prospecting and Geochemistry on the Vancouver Island South Group Properties, confidential Assessment Report.

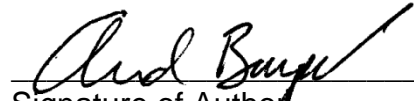
Lonsdale, R., 1983; Diamond drilling report on the Sicker 1, 2, & Geo 1, 2 mineral claims, ARIS Assessment Report No. 11841.

Massey, N. W. D., 1995; Geology and Mineral Resources of the Duncan Area (NTS 092B/13), BC Geoscience Paper 1992-4

Ruks, T., Mortensen, J.K. and Cordey, F. (2010): New results of geological mapping, micropaleontological and lead isotopic studies of volcanogenic massive sulphide-hosting stratigraphy of the middle and late Paleozoic Sicker and Buttle Lake groups on Vancouver Island, British Columbia; *in* Geoscience BC Summary of Activities 2009, Geoscience BC, Report 2010-1, p. 149–170.

McLelland, D. J., 2010; Assessment Report, Multivariate data fusion and remote sensing analysis of the Mt. Sicker, Sognidoro, Volcanics, and Meede Groups, ARIS Assessment Report No. 32130.

## 11.0 DATE AND SIGNATURE PAGE

  
\_\_\_\_\_  
Signature of Author

Arnd Burgert, P.Geol.  
Printed Name of Author

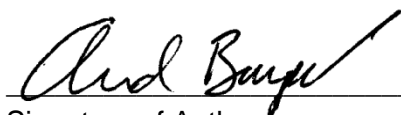
Dated this 29<sup>th</sup> day of February, 2012

## 12.0 QUALIFICATIONS OF AUTHOR

I, Arnd Burgert, P.Geo., do hereby certify that:

1. I am currently employed as a consulting geologist by:  
Arnd Burgert Consulting, Ltd.  
921 Colonia Drive  
Ladysmith, British Columbia, Canada V9G 1N9
2. I graduated with a B.Sc. degree in Geology from the University of British Columbia in 1995.
3. I am a member of the Association of Professional Engineers and Geoscientists of B.C.
4. I have worked as a geologist for 17 years since graduating from university.
5. I am the author responsible for the preparation of the Assessment Report titled "Assessment Report describing Rock and Grid Soil Geochemistry on the Volcanics Property" for Rock-Con Resources Inc. and RCR Mining LLP, dated February 29, 2012. I supervised the rock and soil sampling program on the Volcanics Property during May, 2011.
6. Prior to the work described in this report, I have had no previous involvement with the Volcanics Property.
7. I hold no financial interest and no shares, nor do I expect to receive or acquire any interest or shares in either Rock-Con Resources Inc. or RCR Mining LLP.
8. I am independent of Rock-Con Resources Inc. and RCR Mining LLP.

Dated this 29<sup>th</sup> day of February, 2012.



\_\_\_\_\_  
Signature of Author

Arnd Burgert, P.Geo.

\_\_\_\_\_  
Printed name of Author

# FIGURES

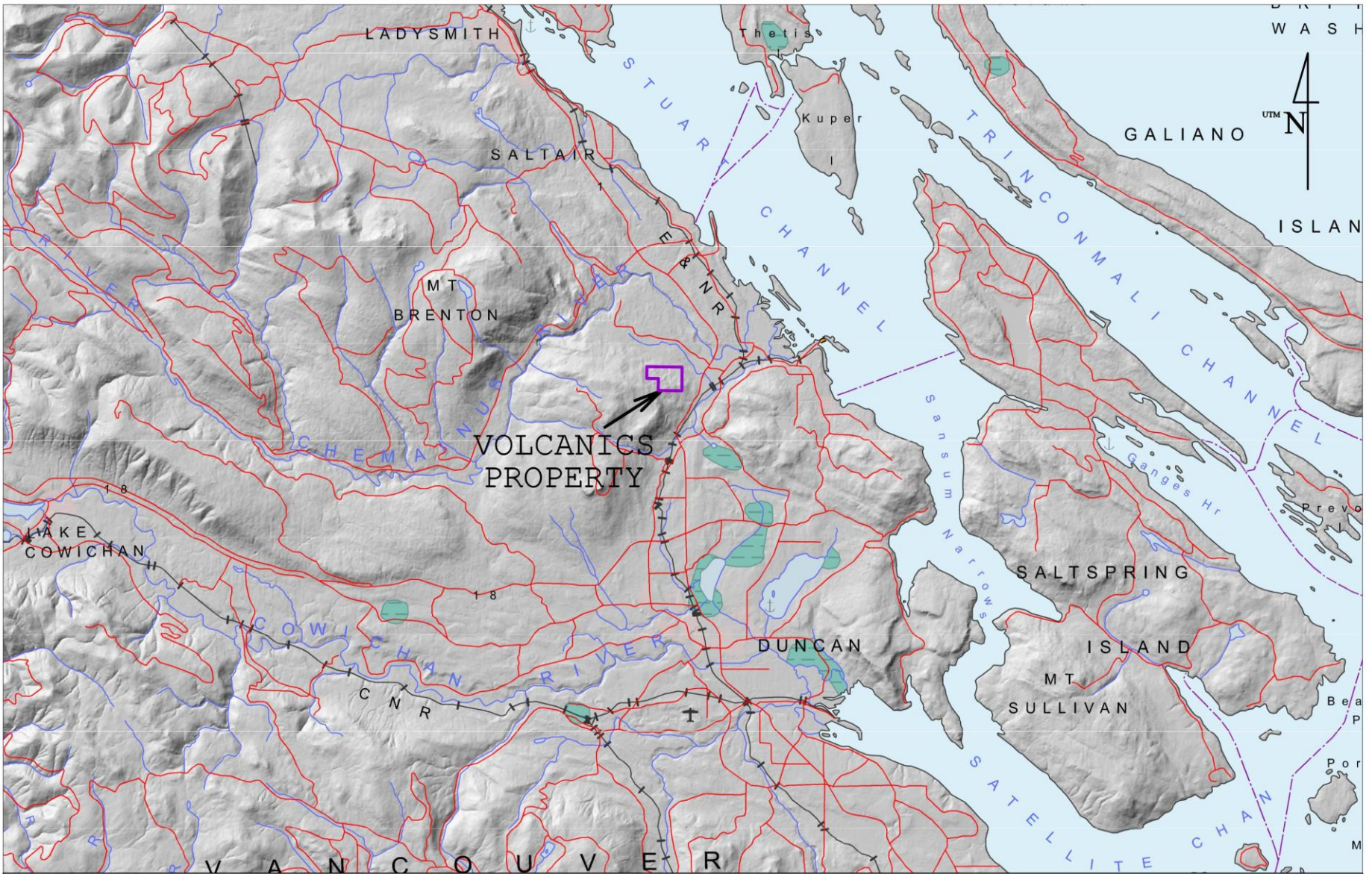
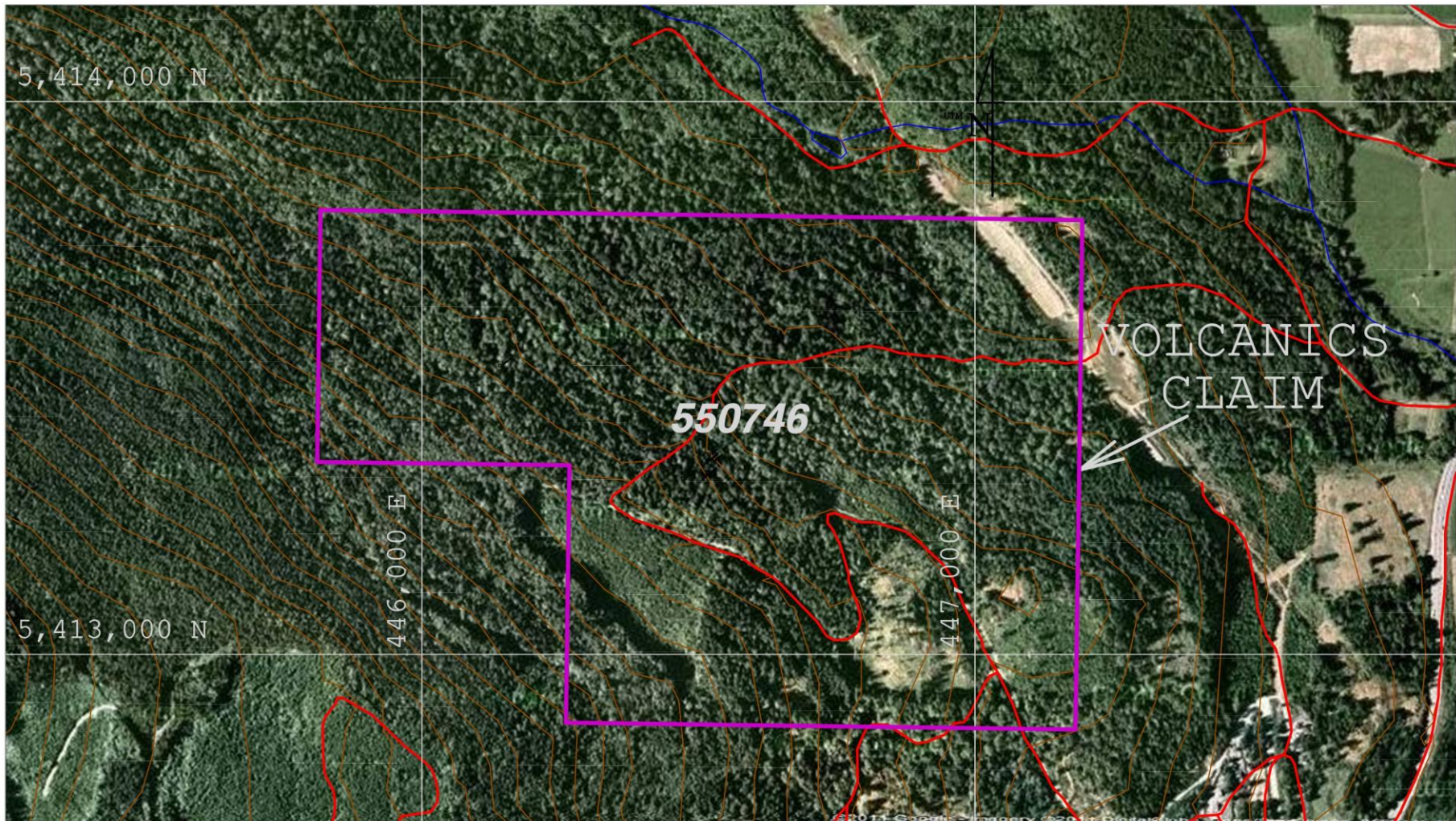


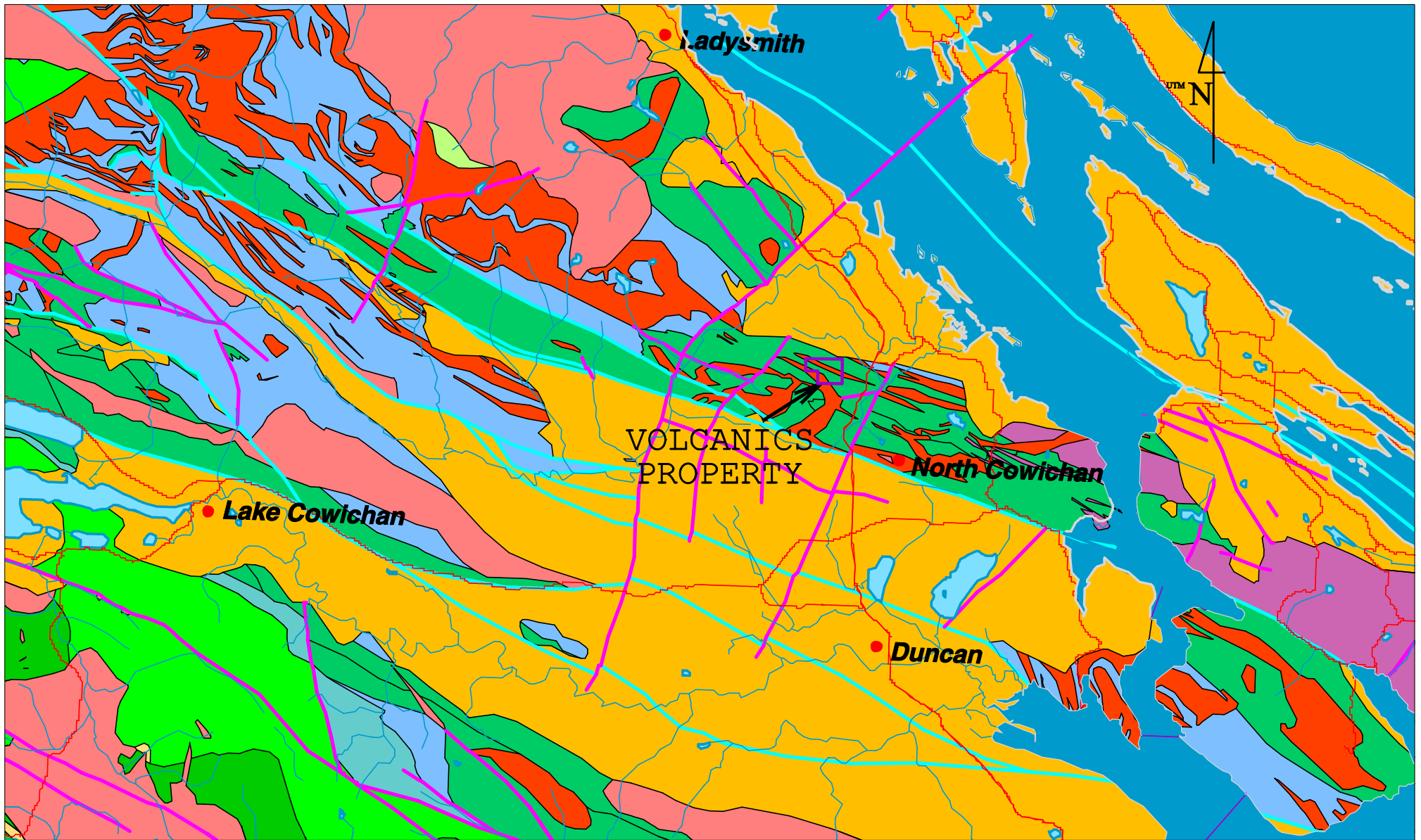
Figure 1  
Property Location





CONTOUR INTERVAL 20m.

Figure 2  
Claim Location



Source: Map Place



**uKN - Upper Cretaceous Nanaimo Group - undifferentiated sedimentary rocks**  
 - Erosional Unconformity, locally Fault Contact -



**EMJlgd - Early to Middle Jurassic Island Plutonic Suite - granodioritic intrusive rocks**  
 - Intrusive Contact -



**LTrMH - Late Triassic Mount Hall - gabbro to dioritic intrusive rocks**  
 - Intrusive, locally Fault Contact -



**MPnBFch - Mississippian to Permian Buttle Lake Group - Fourth Lake Formation - chert, siliceous argillite, siliclastic rocks**  
 - Conformity, locally Fault Contact -



**uDSIM - Middle to Upper Devonian Sicker Group - McLaughlin Ridge Formation and NItinat Formation - volcanoclastic rocks**

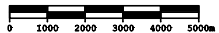
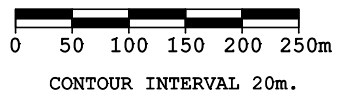
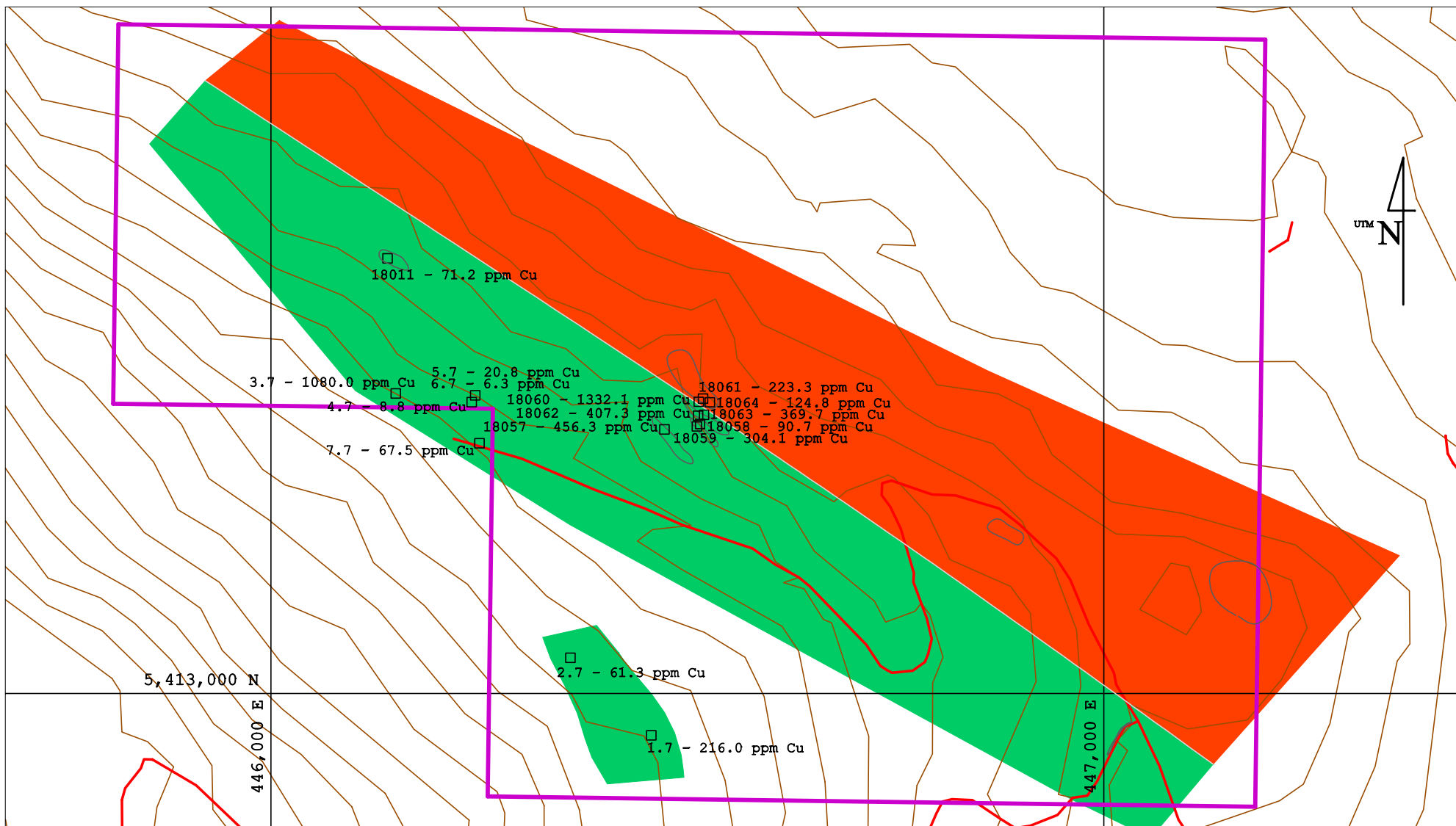


Figure 3  
Regional Geology



LEGEND

- LTrMH - Late Triassic Mount Hall gabbroic to dioritic intrusive rocks
- uDSIM - Middle to Upper Devonian Sicker Group andesite to rhyolite
- 18057□ Rock sample location with sample number and copper concentration in ppm
- Bedrock outcrop boundary

Figure 4  
Property Geology

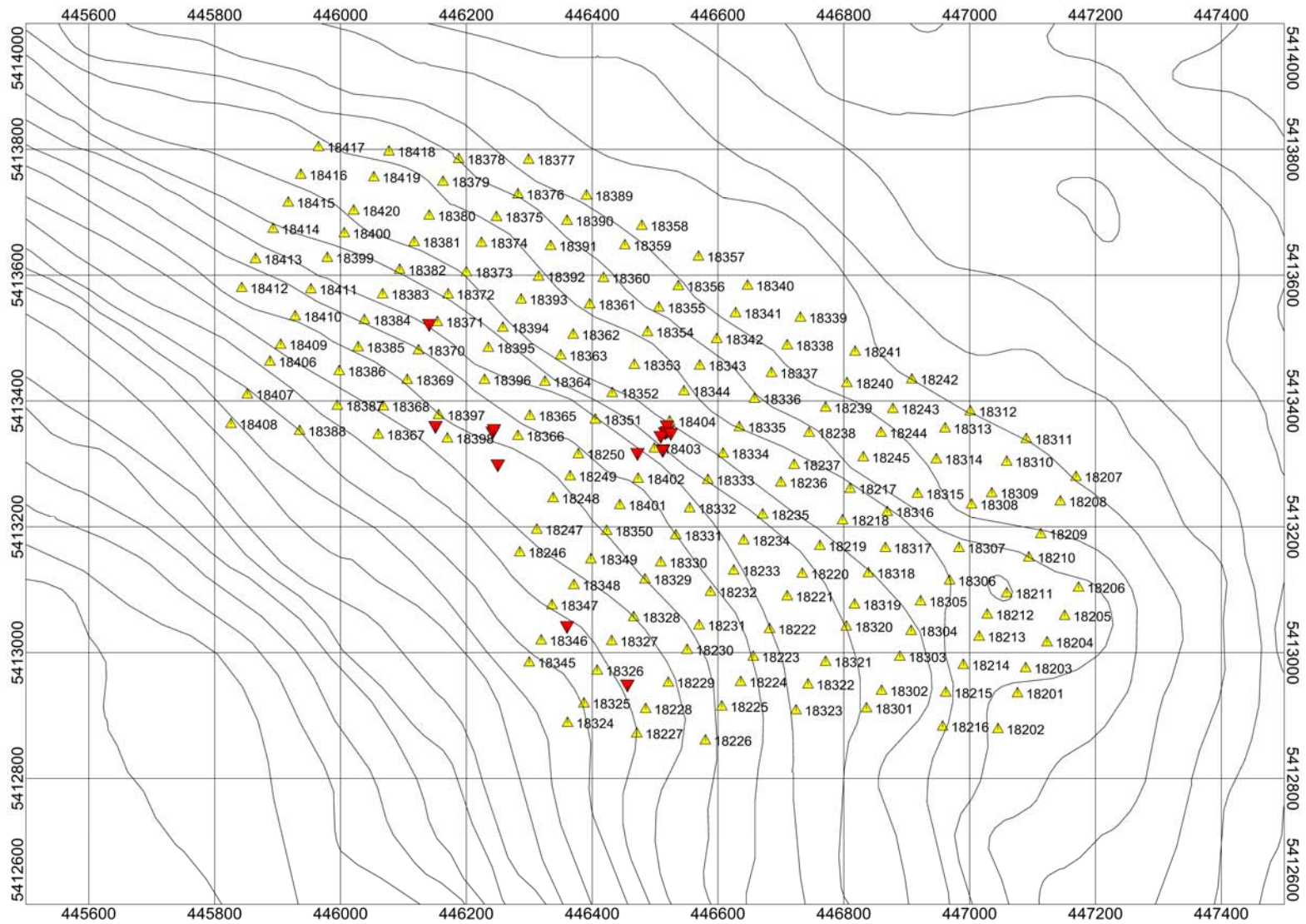
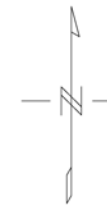
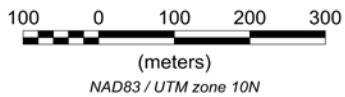
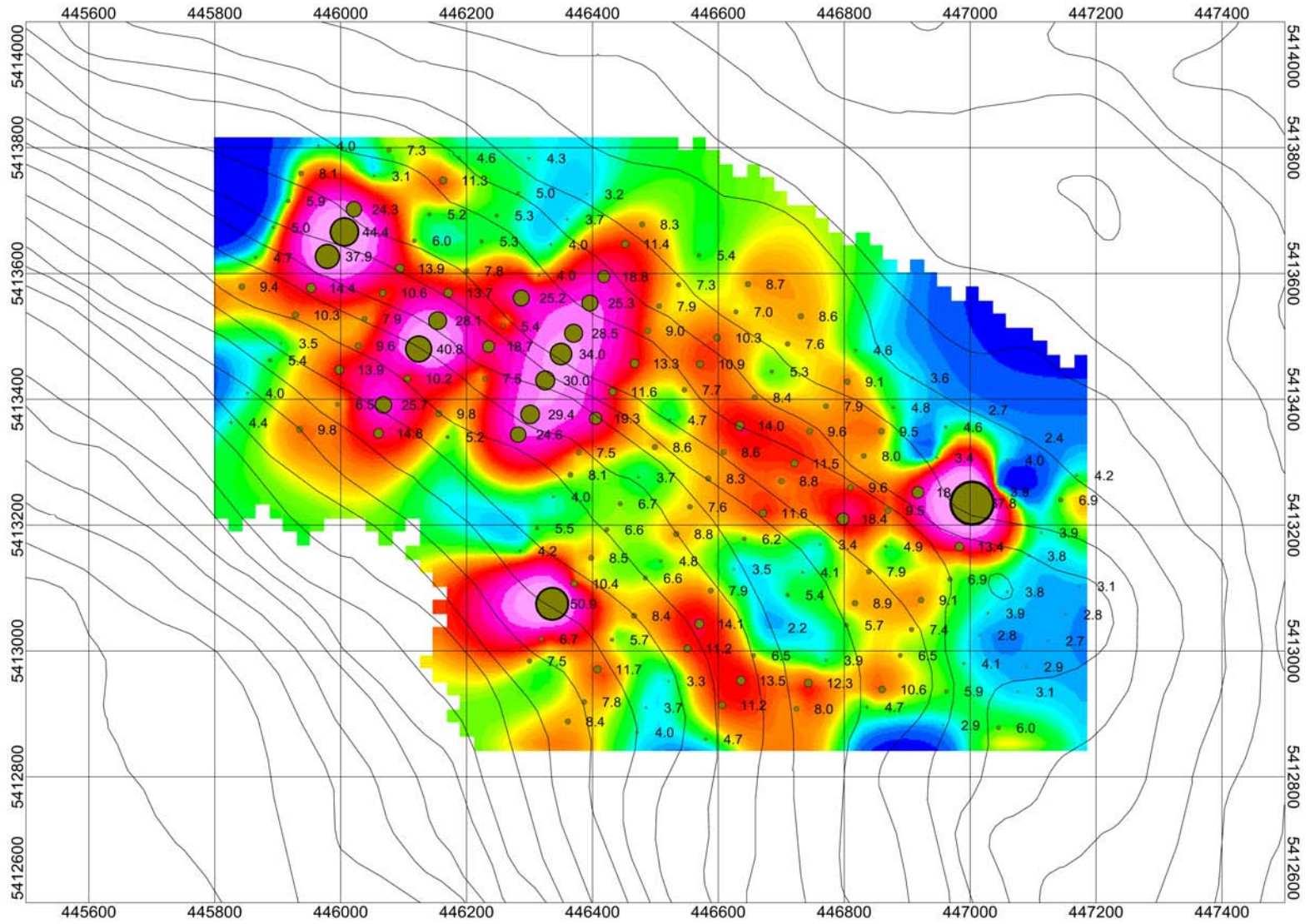
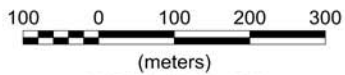
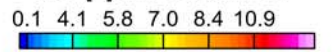


FIGURE 5  
**Rock-Con Volcanics Property**  
 Soil Sample Locations  
 2011 Sampling





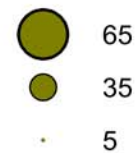
**As ppm Gridded**

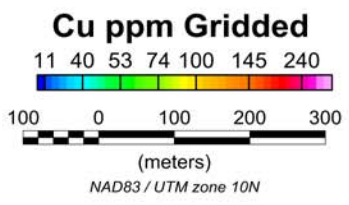
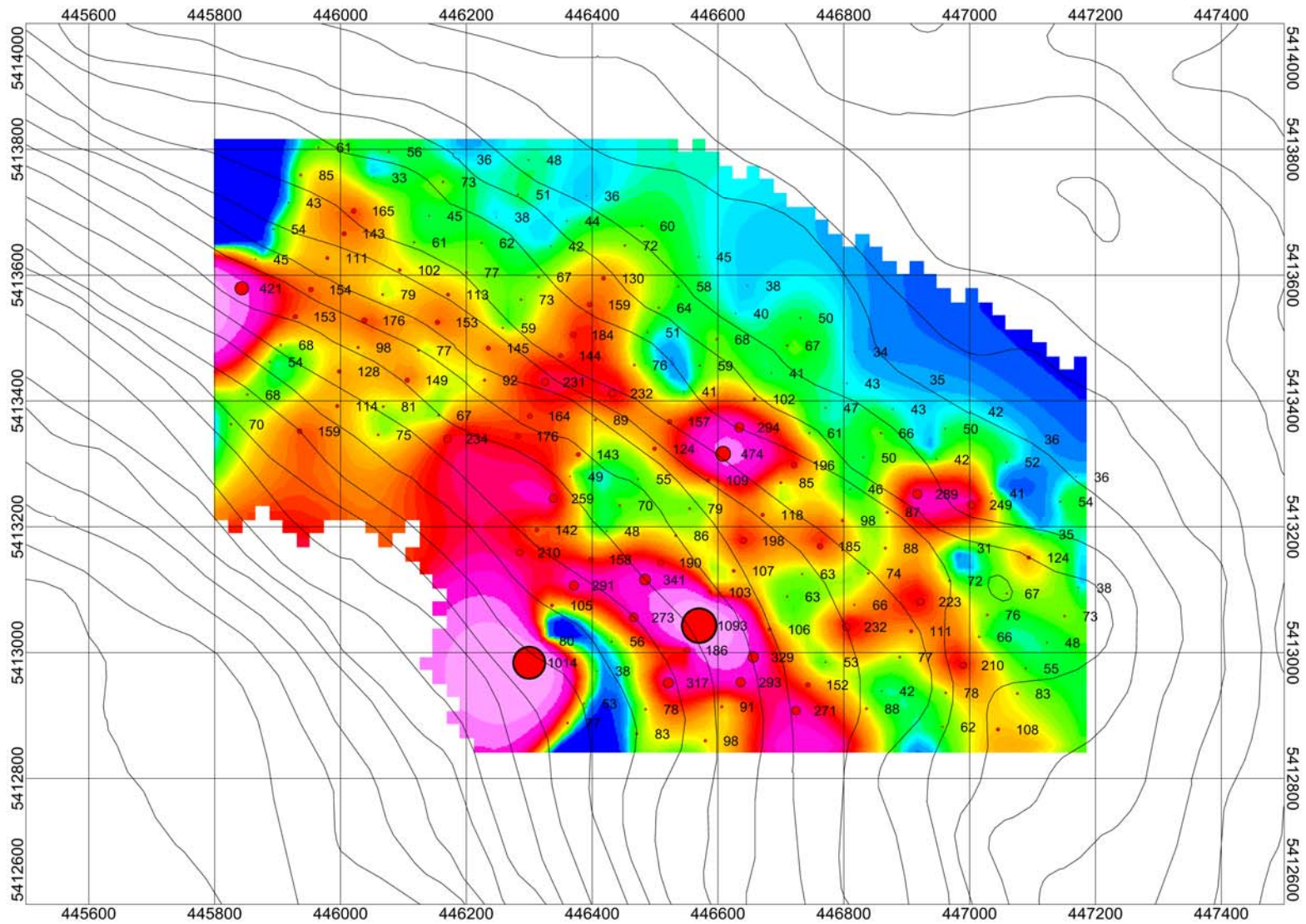


(meters)  
NAD83 / UTM zone 10N

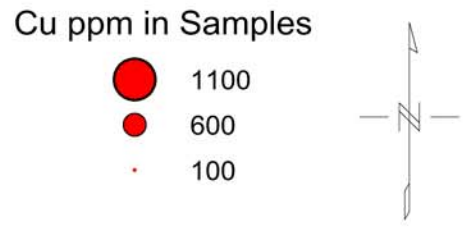
**FIGURE 6**  
**Rock-Con Volcanics Property**  
Arsenic ppm in Soils  
2011 Sampling

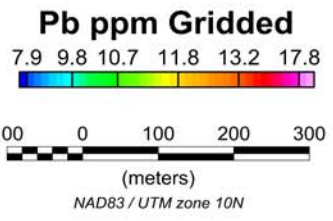
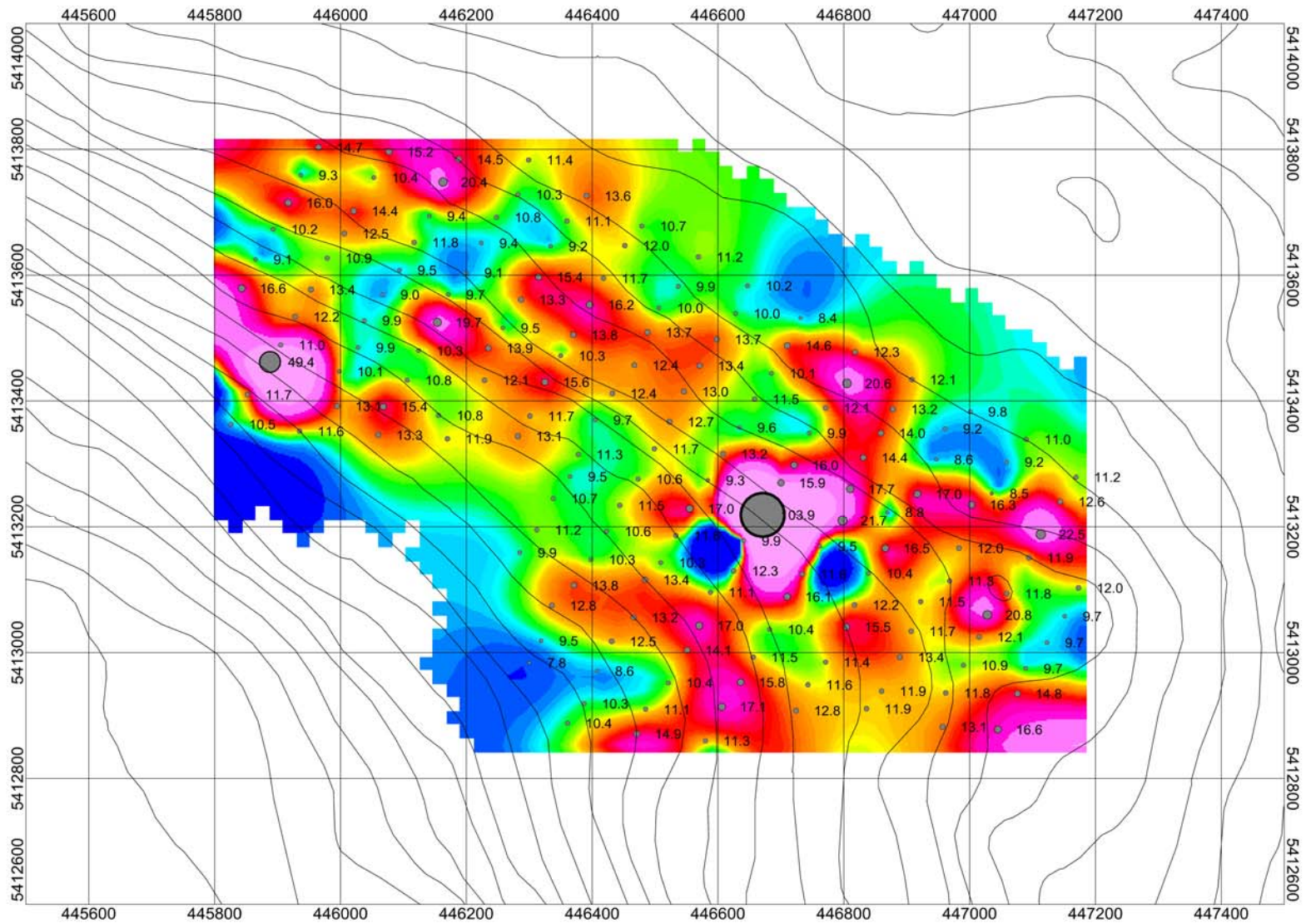
**As ppm in Samples**



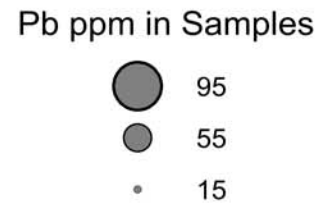


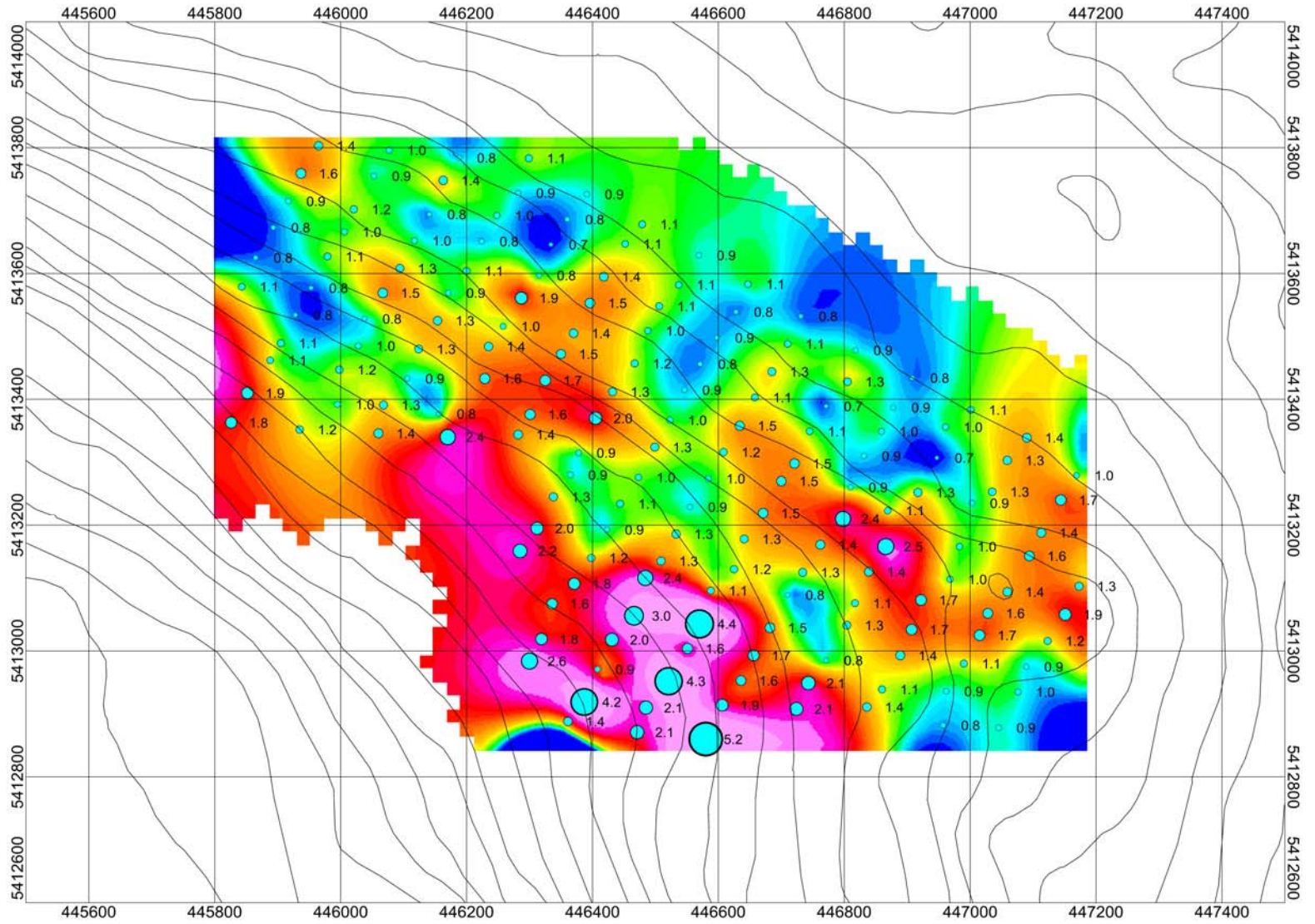
**FIGURE 7**  
**Rock-Con Volcanics Property**  
 Copper ppm in Soils  
 2011 Sampling



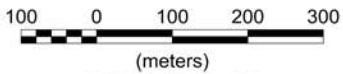
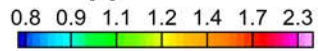


**FIGURE 8**  
**Rock-Con Volcanics Property**  
 Lead ppm in Soils  
 2011 Sampling





**Mo ppm Gridded**

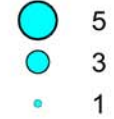


(meters)

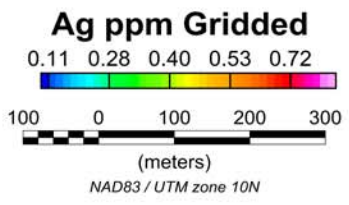
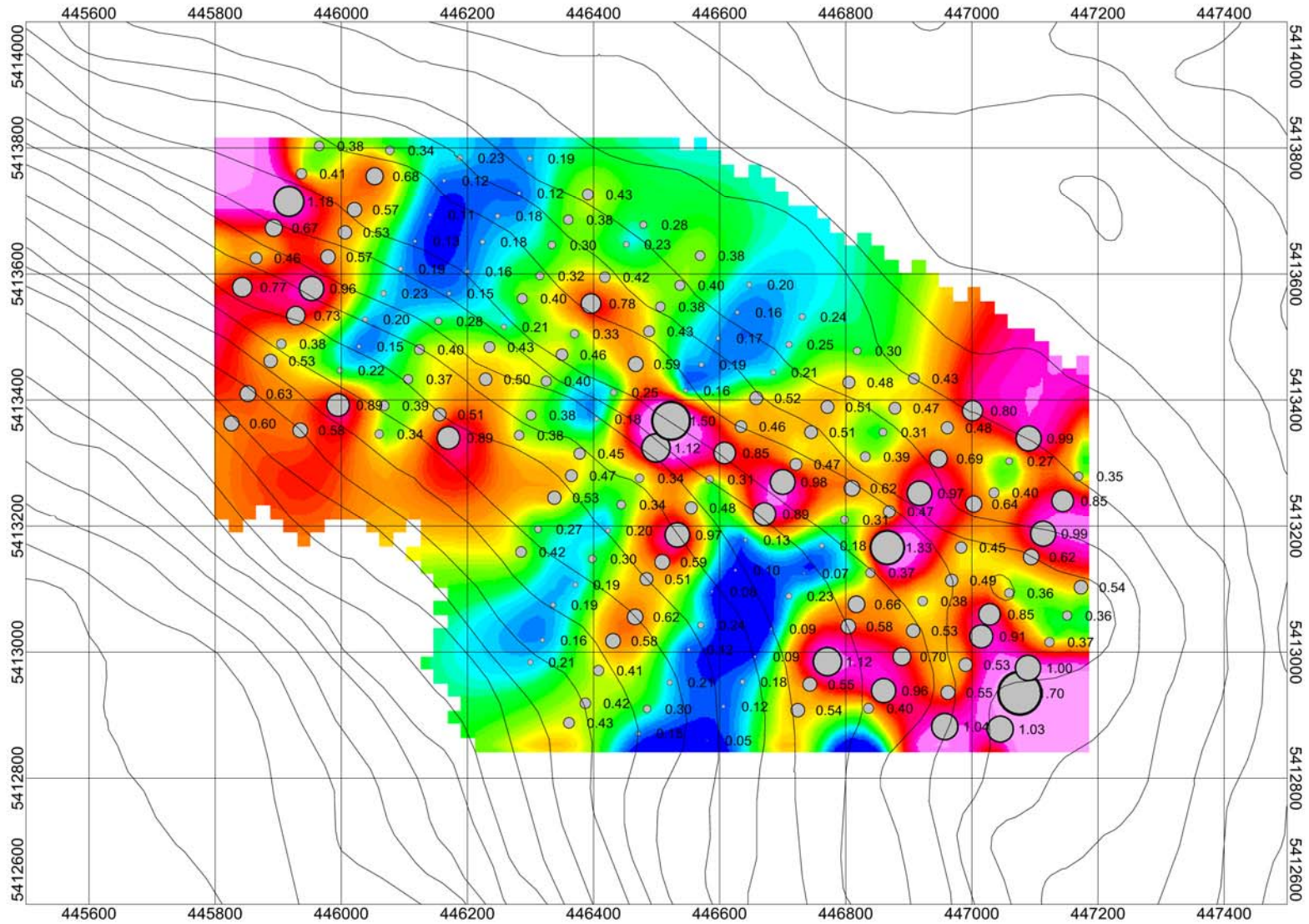
NAD83 / UTM zone 10N

**FIGURE 9**  
**Rock-Con Volcanics Property**  
 Molybdenum ppm in Soils  
 2011 Sampling

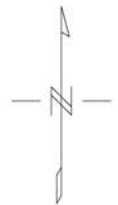
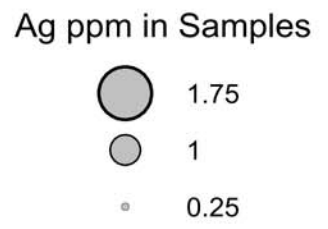
**Mo ppm in Samples**

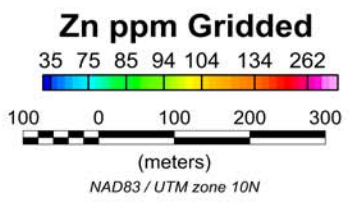
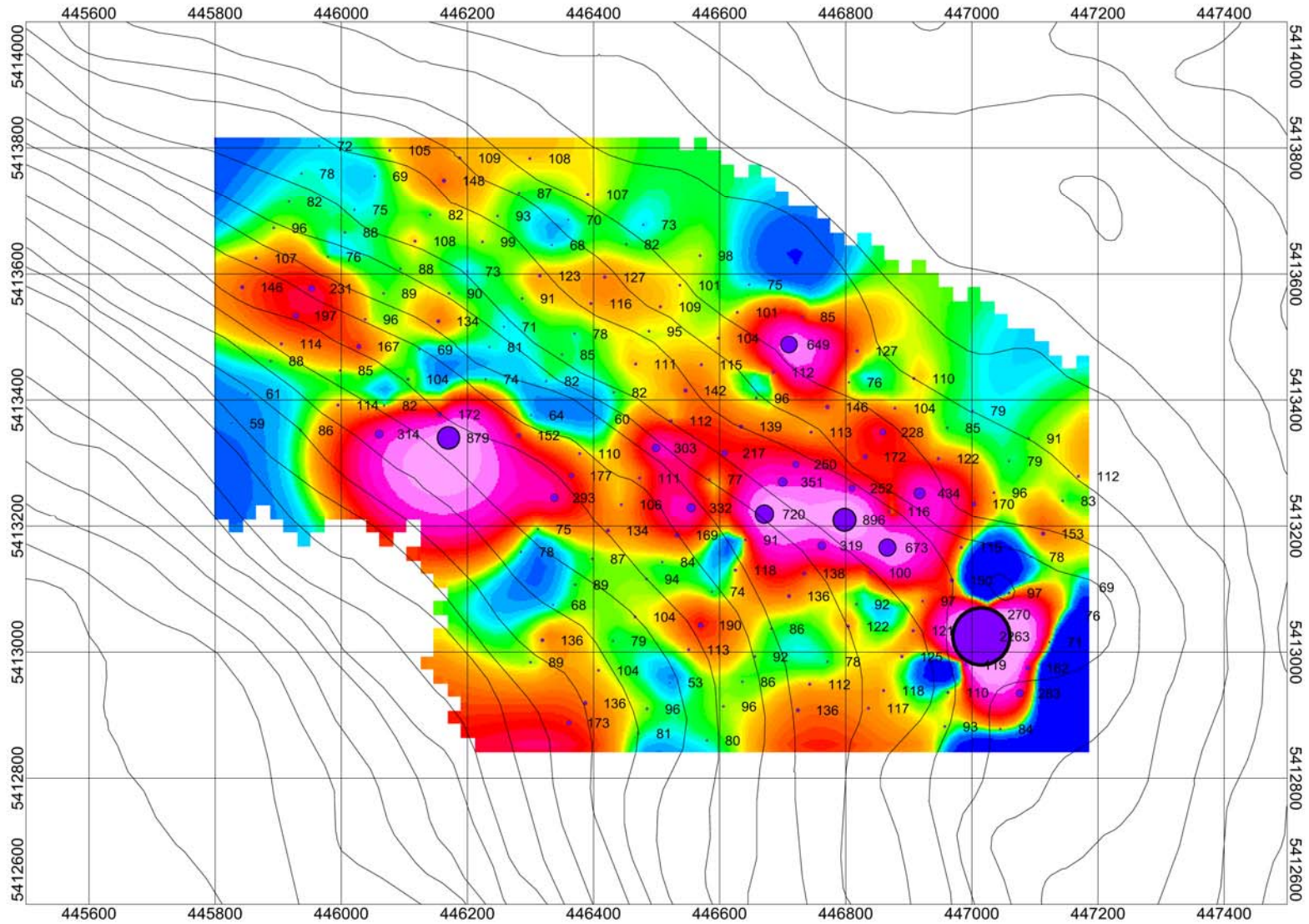




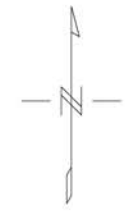
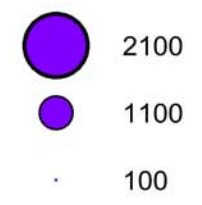


**FIGURE 10**  
**Rock-Con Volcanics Property**  
 Silver ppm in Soils  
 2011 Sampling





**FIGURE 11**  
**Rock-Con Volcanics Property**  
 Zinc ppm in Soils  
 2011 Sampling



# **APPENDICES**

## **APPENDIX 1**

# **STATEMENT OF EXPENDITURES**

### Assessment Cost Statement for Volcanics Property

Exploration Work type	Comment	Days			Totals
<b>Personnel (Name)* / Position</b>	<b>Field Days (list actual days)</b>	<b>Days</b>	<b>Rate</b>	<b>Subtotal*</b>	
Jacques Houle, Project Manager Field	see attached summary	1.00	\$806.00	\$806.00	
Arnd Burgert, Geologist Field	see attached summary	1.00	\$616.00	\$616.00	
Brant Protasiewich, Prospector	see attached summary	5.00	\$395.00	\$1,975.00	
Paul Carpenter, Field Assistant	see attached summary	5.50	\$240.13	\$1,320.72	
Michelle Ickringill, Field Assistant	see attached summary	5.50	\$240.13	\$1,320.72	
				\$6,038.43	<b>\$6,038.43</b>
<b>Office Studies</b>	<b>List Personnel (note - Office only, do not include field days)</b>				
Report preparation	Arnd Burgert	3.00	\$616.00	\$1,848.00	
	Jacques Houle	1.00	\$806.00	\$806.00	
Administration and Expediting	Arnd Burgert	0.52	\$616.00	\$322.44	
	Jacques Houle	1.03	\$806.00	\$831.76	
				\$3,808.20	<b>\$3,808.20</b>
<b>Geochemical Surveying</b>	<b>Invoice</b>	<b>No.</b>	<b>Rate</b>	<b>Subtotal</b>	
Soil	11J03707	169	\$39.96	\$6,753.16	
Rock	11J03226	1	\$224.00	\$224.00	
	11J03707	9	\$41.64	\$374.77	
				\$7,351.93	<b>\$7,351.93</b>
<b>Transportation</b>	<b>Invoice</b>	<b>No.</b>	<b>Rate</b>	<b>Subtotal</b>	
truck rental	Knappett 013	50	\$18.50	\$925.00	
	Houle 11 06 04	2	\$30.24	\$60.48	
fuel	Knappett 013	125	\$1.25	\$156.25	
				\$1,141.73	<b>\$1,141.73</b>
<b>Accommodation &amp; Food</b>	<b>Invoice</b>	<b>No.</b>	<b>Rate</b>		
Hotel	Fuller Lake Motel	4	\$135.00	\$540.00	
Meals	Knappett 013	5	\$25.00	\$125.00	
Meals	Burgert 1380			\$700.46	
				\$1,365.46	<b>\$1,365.46</b>
<b>Equipment Rentals</b>					
Field Gear (5 days, 2 soil samplers)	Houle 11 05 07			\$903.17	
				\$903.17	<b>\$903.17</b>
<b>Freight, rock samples</b>					
Nanaimo - Richmond	Houle 11 05 07			\$76.21	
				\$76.21	<b>\$76.21</b>
<b>TOTAL Expenditures</b>					<b>\$20,685.13</b>

Personnel		
Jacques Houle, Project Manager Field	1.00	806.00
Jacques Houle, Project Manager Expediting	1.03	
Jacques Houle, Project Manager Report	1.00	
11 05 07	0.07	
11 06 04	0.96	
Arnd Burgert, Geologist Field	1.00	616.00
Arnd Burgert, Geologist Expediting	0.52	
Arnd Burgert, Geologist Report	3.00	
Tuesday, April 12, 2011	0.28	
Wednesday, April 13, 2011	0.03	
Thursday, April 14, 2011	0.25	
Friday, April 15, 2011	0.13	
Saturday, April 16, 2011	0.25	
Monday, April 18, 2011	0.03	
Tuesday, April 19, 2011	0.09	
Wednesday, April 20, 2011	0.50	
Thursday, May 12, 2011	0.38	
Friday, May 13, 2011	0.06	
Sunday, May 15, 2011	0.13	
Monday, May 16, 2011	1.00	
Thursday, May 19, 2011	0.03	
Sunday, May 22, 2011	0.25	
Thursday, May 26, 2011	0.13	
Friday, May 27, 2011	0.19	
Sunday, May 29, 2011	0.72	
Tuesday, June 21, 2011	0.13	
Friday, June 24, 2011	0.63	
Brant Protasiewich, Prospector	5	395.00
Monday, May 16, 2011	1	
Tuesday, May 17, 2011	1	
Wednesday, May 18, 2011	1	
Thursday, May 19, 2011	1	
Friday, May 20, 2011	1	
Paul Carpenter, Field Assistant	5.50	240.13
Monday, May 16, 2011	1	
Tuesday, May 17, 2011	1	
Wednesday, May 18, 2011	1	
Thursday, May 19, 2011	1	
Friday, May 20, 2011	1	
Monday, May 23, 2011	0.5	
Michelle Ickringill, Field Assistant	5.50	240.13
Friday, May 13, 2011	0.5	
Monday, May 16, 2011	1	
Tuesday, May 17, 2011	1	
Wednesday, May 18, 2011	1	
Thursday, May 19, 2011	1	
Friday, May 20, 2011	1	

## **APPENDIX 2**

# **ROCK AND SOIL SAMPLE DESCRIPTIONS**

2010 & 2011 Rock Sample Descriptions									
Sample No.	Year	UTM Easting	UTM Northing	Descriptions	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppm
1.7	2010	446456	5412950	5 - 10 % fine to medium grained cubic sulphides .5 % chalcopryrite. quartz-eyes blue rhyolite with Fe oxidation	216.0	8.4	40	0.25	<0.2
2.7	2010	446360	5413043	similar to sample 1.7	61.3	1.2	31	0.06	<0.2
3.7	2010	446151	5413361	3 - 5 % fine dark sulphides with 3 - 5 % fine chalcopryrite in a pale schist. Fe oxidation	1080.0	9.3	37	0.37	<0.2
4.7	2010	446242	5413352	5 % fine dark sulphides 5 % cubic pyrite in a pale schist. Fe oxidation	8.8	3.9	37	0.03	<0.2
5.7	2010	446244	5413356	5 - 10 % finely diminished metallic mineral with 2 % Fe medium grained Fe sulphides with visible fine bornite	20.8	1.4	78	0.03	<0.2
6.7	2010	446244	5413356	similar to sample 5.7	6.3	4	60	0.07	<0.2
7.7	2010	446250	5413300	1 - 3 % medium grained cubic chalcopryrite diminished throughout in a green schist	67.5	1.6	61	0.06	<0.2
18011	2011	446141	5413523	Green and locally brown, black or white, f.g., chloritic, mafic volcanics with 50% quartz veins and 1% rust-rimmed, black sulphide stringers (sphalerite?) mainly in volcanics	71.2	10.1	87	0.25	<0.005
18057	2011	446472	5413318	Green, white and black, f.g. to m.g., chloritic, silicified mafic volcanic breccia? With 25% m.g. quartz/barite aggregates and 0.25% f.g. clustered sulphides including sphalerite, chalcopryrite	456.3	5.4	146	0.34	<0.005
18058	2011	446513	5413324	Green, grey and black, f.g., chloritic, silicified mafic volcanic with 25% quartz eyes, 0.5% clustered sulphides including chalcopryrite, sphalerite	90.7	3.5	66	0.42	<0.005
18059	2011	446512	5413323	Green, grey and black, f.g., chloritic, silicified mafic volcanic with 15% quartz eyes, 0.25% f.g. sulphides mainly sphalerite	304.1	2.8	97	0.37	<0.005
18060	2011	446516	5413351	Green and locally black or white, f.g., chloritic, mafic volcanics with 25% quartz veins and 10% quartz eyes; possible f.g. sphalerite	1332.1	3.7	114	0.53	<0.005
18061	2011	446519	5413353	Green, grey and white, f.g. with wavy foliations, chloritic, silicified and sulphidic mafic volcanics, with 10% quartz eyes and 15% bedded sulphides mainly sphalerite	223.3	3.2	232	0.28	<0.005
18062	2011	446509	5413345	Green, grey and white, f.g. with weakly foliated, chloritic, sulphidic mafic volcanics, with 10% bedded sulphides mainly sphalerite, plus chalcopryrite, pyrite	407.3	4.6	195	0.26	0.006
18063	2011	446519	5413362	Green, grey and white, f.g. to m.g., chloritic, silicified mafic volcanics with 15% quartz/barite clusters, 10% f.g. sulphide aggregates, mainly sphalerite, trace chalcopryrite, pyrite	369.7	4.5	173	0.33	0.005
18064	2011	446525	5413350	Green and grey, f.g. to m.g., chloritic, silicified mafic volcanics with 20% quartz/barite clusters, 1% sulphides in f.g. clusters, mainly sphalerite	124.8	4.8	101	0.09	<0.005



## 2011 Soil Sample Locations

Sample No.	Date	Sampler	Sample Depth (m)	Soil Horizon	Soil Colour	Particle Size	% Organics	Gradient (degrees)	Ground Cover	Cultural Impacts	UTM Zone	Easting	Northing	Elevation	Remarks
18201	16-May-11	P. Carpenter/M. Ickringill	0.3	B	org brn	pebbles w/ silt/sand	3	5	2 <sup>nd</sup> gr fir	logging	10N	447076	5412935	115	off skid trail
18202	16-May-11	P. Carpenter/M. Ickringill	0.4	B	org brn	pebbles w/ silt/sand	3	30	fern/cedar		10N	447045	5412878	124	moved off of road
18203	16-May-11	P. Carpenter/M. Ickringill	0.2	B	org brn	pebbles w/ silt/sand	6	5	2nd gr fir	logging	10N	447089	5412975	147	
18204	16-May-11	P. Carpenter/M. Ickringill	0.15	B	org brn	pebbles w/ silt/sand	5	5	2nd gr fir	logging	10N	447123	5413016	156	
18205	16-May-11	P. Carpenter/M. Ickringill	0.15	B	org brn	silt/sand/pebbles	2	5	2nd gr fir	logging	10N	447151	5413058	170	
18206	16-May-11	P. Carpenter/M. Ickringill	0.2	B	org brn	silt/sand/pebbles	2	7	2nd gr fir	logging	10N	447173	5413103	160	
18207	16-May-11	P. Carpenter/M. Ickringill	0.2	B	org brn	silt/sand/pebbles	7	2	2nd gr fir	logging	10N	447169	5413279	140	
18208	16-May-11	P. Carpenter/M. Ickringill	0.15	B	org brn	silt/sand/pebbles	4	15	2nd gr fir	logging	10N	447144	5413240	133	
18209	16-May-11	P. Carpenter/M. Ickringill	0.15	B	org brn	silt w/ sand	5	40	fir/vacc		10N	447113	5413188	156	
18210	16-May-11	P. Carpenter/M. Ickringill	0.1	B	org brn	silt w/ pebbles	5	2	fir		10N	447094	5413151	188	
18211	16-May-11	P. Carpenter/M. Ickringill	0.2	B	org brn	silty sand	2	2	fir		10N	447059	5413094	186	
18212	16-May-11	P. Carpenter/M. Ickringill	0.2	B	org brn	silt/sand/pebbles	3	15	fir/cedar		10N	447028	5413060	178	
18213	16-May-11	P. Carpenter/M. Ickringill	0.05	B	org brn	silt/sand/pebbles	3	15	2nd gr fir	logging	10N	447015	5413025	171	sampled out of road cut (high side)
18214	16-May-11	P. Carpenter/M. Ickringill	0.1	B	org brn	silty sand	5	45	arbutus fir	logging	10N	446990	5412980	196	
18215	16-May-11	P. Carpenter/M. Ickringill	0.2	B	brn	silt/sand/pebbles	8	15	2nd gr fir	logging	10N	446962	5412936	194	
18216	16-May-11	P. Carpenter/M. Ickringill	0.3	B	brn	sand/silt/pebbles	3	25	fir/maple		10N	446957	5412882	198	
18217	16-May-11	P. Carpenter/M. Ickringill	0.2	A/B	brn	silty sand	20	10	2nd gr fir	logging	10N	446810	5413260	193	
18218	16-May-11	P. Carpenter/M. Ickringill	0.25	B	med brn	silt	3	2	2 <sup>nd</sup> gr fir/cedar	logging	10N	446798	5413210	204	
18219	16-May-11	P. Carpenter/M. Ickringill	0.05	B	org brn	silt/sand/pebbles	3	10	cedar		10N	446762	5413169	205	sampled out of road cut (high side)
18220	16-May-11	P. Carpenter/M. Ickringill	0.2	B	org brn	silty sand	5	15	cedar/fir	logging	10N	446734	5413125	225	
18221	16-May-11	P. Carpenter/M. Ickringill	0.1	B	org brn	silt/pebbles	5	15	cedar		10N	446710	5413089	236	
18222	16-May-11	P. Carpenter/M. Ickringill	0.05	B	org brn	silty sand	3	35	fir/cedar		10N	446682	5413037	252	sample taken from tree root
18223	17-May-11	P. Carpenter/M. Ickringill	0.1	B	red brn	silty sand	2	33	fir/cedar	old logging	10N	446656	5412993	269	
18224	17-May-11	P. Carpenter/M. Ickringill	0.1	B	org brn	silty sand	3	20	fir	old logging	10N	446636	5412953	280	
18225	17-May-11	P. Carpenter/M. Ickringill	0.25	B	med brn	silty sand	5	25	fir/cedar	old logging	10N	446606	5412914	270	moved off a wet area of overlandflow/stream
18226	17-May-11	P. Carpenter/M. Ickringill	0.05	B	org brn	silty sand	3	20	fir	old logging	10N	446580	5412860	295	
18227	17-May-11	P. Carpenter/M. Ickringill	0.2	B	med brn	silty sand	5	20	2nd gen fir	old logging	10N	446471	5412871	331	
18228	17-May-11	P. Carpenter/M. Ickringill	0.1	B	org brn	silty sand	3	25	2nd gen fir	old logging	10N	446485	5412910	321	
18229	17-May-11	P. Carpenter/M. Ickringill	0.05	B	med brn	silt	5	5	maples	old logging	10N	446521	5412952	310	
18230	17-May-11	P. Carpenter/M. Ickringill	0.2	B	red brn	silty sand	3	30	fir/cedar	old logging	10N	446551	5413004	307	
18231	17-May-11	P. Carpenter/M. Ickringill	0.2	B	org brn	silty sand	3	35	fir/cedar	old logging	10N	446570	5413043	286	sampled at the bottom of rocky hill
18232	17-May-11	P. Carpenter/M. Ickringill	0.15	B	org brn	silty mud	15	7	fir	old logging	10N	446588	5413096	281	
18233	17-May-11	P. Carpenter/M. Ickringill	0.05	B	org brn	silty sand	2	25	cedar/maple	old logging	10N	446625	5413130	249	samples above road
18234	17-May-11	P. Carpenter/M. Ickringill	0.05	B	org brn	silt w/ pebbles	3	15	cedar	old logging	10N	446641	5413178	238	
18235	17-May-11	P. Carpenter/M. Ickringill	0.1	B	org brn	silty sand	3	35	cedar	old logging	10N	446671	5413219	235	
18236	17-May-11	P. Carpenter/M. Ickringill	0.1	B	org brn	silty clay	4	10	old cedars	old logging	10N	446700	5413270	215	
18237	17-May-11	P. Carpenter/M. Ickringill	0.3	B	org brn	silty sand	6	30	fir/maple	old logging	10N	446721	5413298	202	sampled above an old road
18238	17-May-11	P. Carpenter/M. Ickringill	0.05	B	org brn	silt	3	30	fir/maple	old logging	10N	446745	5413349	182	sampled above an old road
18239	17-May-11	P. Carpenter/M. Ickringill	0.3	B	org brn	silty sand	3	45	maples	old logging	10N	446771	5413389	167	
18240	17-May-11	P. Carpenter/M. Ickringill	0.25	B	org brn	silt w/ pebbles	5	20	fir/maple	old logging	10N	446805	5413428	154	
18241	17-May-11	P. Carpenter/M. Ickringill	0.2	B	org brn	silty sand	3	12	maples	old logging	10N	446818	5413478	138	sampled above an old road
18242	17-May-11	P. Carpenter/M. Ickringill	0.15	B	org brn	silty sand w/pebbles	3	50	cedar	old logging	10N	446908	5413434	146	
18243	17-May-11	P. Carpenter/M. Ickringill	0.15	B/a	med brn	silty sand	4	5	maples/cedar		10N	446878	5413387	152	
18244	17-May-11	P. Carpenter/M. Ickringill	0.2	B	org brn	silty sand	3	5	maples		10N	446859	5413349	165	
18245	17-May-11	P. Carpenter/M. Ickringill	0.1	B	red brn	silty sand	3	40	fir	logging	10N	446831	5413310	179	
18246	18-May-11	P. Carpenter/M. Ickringill	0.05	B	red brn	silt sand	3	20	alder fir	logging	10N	446285	5413159	290	
18247	18-May-11	P. Carpenter/M. Ickringill	0.15	B	org brn	silt sand pebbles	2	12	alder fir	logging	10N	446312	5413195	276	
18248	18-May-11	P. Carpenter/M. Ickringill	0.1	B	org brn	silt sand	2	8	alder	logging	10N	446338	5413245	268	
18249	18-May-11	P. Carpenter/M. Ickringill	0.2	B	red brn	silt sand	3	20	fir cedar	logging	10N	446365	5413280	264	
18250	18-May-11	P. Carpenter/M. Ickringill	0.1	B	org brn	silt	3	40	fir cedar	logging	10N	446378	5413315	258	
18301	16-May-11	A. Burgert/B. Protasiewich	0.3	B	red brn	silty sand	2	15	2 <sup>nd</sup> gr.	logging	10N	446836	5412911	214	
18302	16-May-11	A. Burgert/B. Protasiewich	0.4	B	red brn	silt sand	2	10	20 yo regen	logging	10N	446860	5412939	216	
18303	16-May-11	A. Burgert/B. Protasiewich	0.25	B	red brn	sand silt	2	15	fir/cedar		10N	446889	5412993	213	
18304	16-May-11	A. Burgert/B. Protasiewich	0.3	B	brn red	sand silt	2	15	regen	logging	10N	446907	5413034	209	
18305	16-May-11	A. Burgert/B. Protasiewich	0.2	B	brn red	sand silt	5	40	fir/cedar		10N	446922	5413081	193	
18306	16-May-11	A. Burgert/B. Protasiewich	0.15	B	org brn	sand silt	5	20	2nd gr fir	logging	10N	446968	5413114	169	
18307	16-May-11	A. Burgert/B. Protasiewich	0.15	B	org brn	silt sand	2	0	2nd gr fir	logging	10N	446983	5413166	170	

## 2011 Soil Sample Locations

Sample No.	Date	Sampler	Sample Depth (m)	Soil Horizon	Soil Colour	Particle Size	% Organics	Gradient (degrees)	Ground Cover	Cultural Impacts	UTM Zone	Easting	Northing	Elevation	Remarks
18308	16-May-11	A. Burgert/B. Protasiewich	0.2	B	brn red	silt sand	2	35	2nd gr fir	logging	10N	447003	5413235	144	
18309	16-May-11	A. Burgert/B. Protasiewich	0.3	B	org/tan	gravel/silt	2	20	2nd gr fir	logging	10N	447035	5413253	138	
18310	16-May-11	A. Burgert/B. Protasiewich	0.1	B	red brn	gravel/silt/sand	2	0	2nd gr fir	logging	10N	447059	5413303	136	
18311	16-May-11	A. Burgert/B. Protasiewich	0.2	B	org/tan	sand silt	2	5	2nd gr fir	logging	10N	447090	5413339	130	
18312	16-May-11	A. Burgert/B. Protasiewich	0.25	B	org/tan	sand silt	2	15	2nd gr fir	logging	10N	447001	5413383	129	
18313	16-May-11	A. Burgert/B. Protasiewich	0.25	B	tan	silty sand	2	20	2nd gr fir	logging	10N	446961	5413356	143	
18314	16-May-11	A. Burgert/B. Protasiewich	0.7	C	tan	sand silt	2	30	fir/cedar	logging	10N	446947	5413307	160	
18315	16-May-11	A. Burgert/B. Protasiewich	0.5	B	tan/brn	sand silt	1	35	2nd gr fir	logging	10N	446917	5413252	177	
18316	16-May-11	A. Burgert/B. Protasiewich	0.3	B	org/tan	sand silt gravel	7	10	2nd gr fir	logging	10N	446869	5413223	200	
18317	16-May-11	A. Burgert/B. Protasiewich	0.35	B	org/tan	silt sand	2	10	20 yo regen	logging	10N	446866	5413166	198	
18318	16-May-11	A. Burgert/B. Protasiewich	0.2	B	org/tan	sandy silt	1	15	20 yo regen	logging	10N	446839	5413126	216	
18319	16-May-11	A. Burgert/B. Protasiewich	0.15	B	org/tan	sandy silt	1	0	regen	logging	10N	446817	5413076	219	
18320	16-May-11	A. Burgert/B. Protasiewich	0.15	B	org/tan	silty sand	2	0	2nd gr fir	logging	10N	446804	5413041	221	
18321	16-May-11	A. Burgert/B. Protasiewich	0.2	B	org/tan	sandy silt	2	0	2nd gr fir	logging	10N	446771	5412985	226	
18322	16-May-11	A. Burgert/B. Protasiewich	0.15	B	org/tan	sandy silt	2	20	2nd gr fir	logging	10N	446743	5412949	232	
18323	16-May-11	A. Burgert/B. Protasiewich	0.25	B	red brn	sandy silt	2	30	2nd gr fir	logging	10N	446724	5412908	242	
18324	17-May-11	B. Protasiewich	0.3	B	tan	silty gravel	3	15	2nd gr fir/maple	logging	10N	446361	5412888	354	
18325	17-May-11	B. Protasiewich	0.25	B	tan/brn	gravel silt	2	40/0	2nd gr fir/maple	logging	10N	446387	5412919	340	
18326	17-May-11	B. Protasiewich	0.25	B	tan/brn	silt sand	4	15	2nd gr fir/maple	logging	10N	446408	5412971	334	
18327	17-May-11	B. Protasiewich	0.3	B	tan	silt gravel	5	5	20 yo regen	logging	10N	446431	5413018	312	
18328	17-May-11	B. Protasiewich	0.15	B	brn	silt sand gravel	3	2	20 yo regen	logging	10N	446466	5413056	305	
18329	17-May-11	B. Protasiewich	0.15	B	brn	silt sand gravel	5	5	20 yo regen	logging	10N	446484	5413116	283	
18330	17-May-11	B. Protasiewich	0.1	B	brn	silt sand	3	20	20 yo regen	logging	10N	446509	5413143	268	
18331	17-May-11	B. Protasiewich	0.05	B	brn	sand silt gravel	7	30	20 yo regen	logging	10N	446533	5413186		
18332	17-May-11	B. Protasiewich	0.25	B	brn	silt sand gravel	5	35	2nd gr fir/maple	logging	10N	446555	5413229	284	
18333	17-May-11	B. Protasiewich	0.1	B	brn	silt sand	2	10	2nd gr fir/maple	logging	10N	446584	5413274	237	
18334	17-May-11	B. Protasiewich	0.2	B	brn	silt sand	3	12	2nd gr fir/maple	logging	10N	446608	5413316	225	
18335	17-May-11	B. Protasiewich	0.1	B	brn	silt sand	5	25	2nd gr fir/maple	logging	10N	446634	5413358	215	
18336	17-May-11	B. Protasiewich	0.2	B	brn	silt sand gravel	5	15	2nd gr fir/maple	logging	10N	446658	5413403	191	
18337	17-May-11	B. Protasiewich	0.25	B	brn	silt sand gravel	5	20	2nd gr fir/maple	logging	10N	446685	5413444	176	
18338	17-May-11	B. Protasiewich	0.2	B	brn	silt sand gravel	3	10	2nd gr fir/maple	logging	10N	446710	5413488	152	
18339	17-May-11	B. Protasiewich	0.15	B	brn	silt sand gravel	2	5	2nd gr fir/maple	logging	10N	446731	5413532	139	
18340	17-May-11	B. Protasiewich	0.2	B	brn	silt sand	2	3	2nd gr fir/maple	logging	10N	446647	5413583	138	
18341	17-May-11	B. Protasiewich	0.1	B	red brn	sand silt	2	5	2nd gr fir/maple	logging	10N	446628	5413539	149	
18342	17-May-11	B. Protasiewich	0.1	B	brn	silt sand	3	10	2nd gr fir/maple	logging	10N	446598	5413498	160	
18343	17-May-11	B. Protasiewich	0.2	B	brn	silt sand	3	15	2nd gr fir/maple	logging	10N	446571	5413456	165	
18344	17-May-11	B. Protasiewich	0.15	B	brn	silt sand	3	6	2nd gr fir/maple	logging	10N	446546	5413415	201	
18345	18-May-11	B. Protasiewich	0.15	B	brn	silt sand	5	30	2nd gr fir/maple	logging	10N	446300	5412984	360	
18346	18-May-11	B. Protasiewich	0.05	B	red brn	silt sand gravel	2	8	2nd gr fir/maple	logging	10N	446319	5413019	332	
18347	18-May-11	B. Protasiewich	0.25	B	red brn	silt sand	2	5	2nd gr fir/maple	logging	10N	446336	5413075	308	
18348	18-May-11	B. Protasiewich	0.15	B	brn	silt sand gravel	2	3	20 yo regen	logging	10N	446371	5413107	309	
18349	18-May-11	B. Protasiewich	0.15	B	red brn	silt sand	3	20	20 yo regen	logging	10N	446398	5413148	299	
18350	18-May-11	B. Protasiewich	0.2	B	red brn	silt sand	2	5	20 yo regen	logging	10N	446423	5413193	281	
18351	18-May-11	P. Carpenter/M. Ickringill	0.2	B	org brn	silt sand	3	25	fir alder cedar	logging	10N	446405	5413370	243	
18352	18-May-11	P. Carpenter/M. Ickringill	0.1	B	org brn	silt sand	4	40	fir alder cedar	logging	10N	446432	5413412	225	
18353	18-May-11	P. Carpenter/M. Ickringill	0.2	B	org brn	silt	4	35	cedar ald	logging	10N	446467	5413457	208	
18354	18-May-11	P. Carpenter/M. Ickringill	0.25	B	org brn	silt sand pebbles	3	35	er	logging	10N	446488	5413509	196	
18355	18-May-11	P. Carpenter/M. Ickringill	0.1	B	org brn	silt sand	3	30	fir alder cedar	logging	10N	446506	5413548	173	
18356	18-May-11	P. Carpenter/M. Ickringill	0.15	B	org brn	silt sand	5	20	fir alder	logging	10N	446537	5413582	168	
18357	18-May-11	P. Carpenter/M. Ickringill	0.1	B	org brn	silt sand	2	15	fir	logging	10N	446569	5413629	157	
18358	18-May-11	P. Carpenter/M. Ickringill	0.15	B	org brn	sand silt	3	18	fir alder	logging	10N	446479	5413678	160	
18359	18-May-11	P. Carpenter/M. Ickringill	0.1	B	med brn	silt sand	3	25	alder	logging	10N	446452	5413647	170	
18360	18-May-11	P. Carpenter/M. Ickringill	0.15	B	org brn	sand silt pebbles	2	30	fir maple	logging	10N	446418	5413595	184	
18361	18-May-11	P. Carpenter/M. Ickringill	0.15	B	org brn	silt sand	5	28	cedar maple	logging	10N	446396	5413553	210	
18362	18-May-11	P. Carpenter/M. Ickringill	0.15	B	org brn	silt sand	3	30	cedar	logging	10N	446370	5413505	221	
18363	18-May-11	P. Carpenter/M. Ickringill	0.1	B	red brn	silt sand pebbles	3	20	cedar fir	logging	10N	446350	5413472	233	
18364	18-May-11	P. Carpenter/M. Ickringill	0.1	B	org brn	silt sand	3	40	cedar fir	logging	10N	446325	5413430	251	

## 2011 Soil Sample Locations

Sample No.	Date	Sampler	Sample Depth (m)	Soil Horizon	Soil Colour	Particle Size	% Organics	Gradient (degrees)	Ground Cover	Cultural Impacts	UTM Zone	Easting	Northing	Elevation	Remarks
18365	18-May-11	P. Carpenter/M. Ickringill	0.15	B	org brn	silt sand pebbles	5	15	cedar fir	logging	10N	446301	5413376	271	
18366	18-May-11	P. Carpenter/M. Ickringill	0.1	B	med brn	silt sand	3	20	cedar alder	logging	10N	446282	5413344	285	
18367	19-May-11	P. Carpenter/M. Ickringill	0.1	B	org brn	silt sand	2	20	alder cedar fir	logging	10N	446060	5413346	328	
18368	19-May-11	P. Carpenter/M. Ickringill	0.1	B	org red brn	silt sand	2	40	cedar maple	logging	10N	446068	5413391	309	
18369	19-May-11	P. Carpenter/M. Ickringill	0.2	B	org brn	silt sand	2	40	cedar	logging	10N	446106	5413433	295	
18370	19-May-11	P. Carpenter/M. Ickringill	0.1	B	org brn	silt sand	3	10	cedar	logging	10N	446124	5413480	271	
18371	19-May-11	P. Carpenter/M. Ickringill	0.1	B	org brn	silt sand	5	40	cedar fir	logging	10N	446154	5413525	256	
18372	19-May-11	P. Carpenter/M. Ickringill	0.03	B	org brn	silt sand	2	25	cedar fir	logging	10N	446171	5413569	246	
18373	19-May-11	P. Carpenter/M. Ickringill	0.15	B	org brn	silt sand	3	40	alder	logging	10N	446200	5413604	228	
18374	19-May-11	P. Carpenter/M. Ickringill	0.2	B	org brn	silt sand pebbles	2	15	cedar fir	logging	10N	446224	5413651	208	
18375	19-May-11	P. Carpenter/M. Ickringill	0.05	B	org brn	silt sand	2	10	cedar fir	logging	10N	446248	5413692	200	
18376	19-May-11	P. Carpenter/M. Ickringill	0.15	B	med red brn	silt sand	3	10	alder	logging	10N	446282	5413728	186	
18377	19-May-11	P. Carpenter/M. Ickringill	0.4	B	org brn	silt sand pebbles	4	40	fir	logging	10N	446299	5413783	165	
18378	19-May-11	P. Carpenter/M. Ickringill	0.2	B	org brn	silt sand	3	20	cedar alder	logging	10N	446188	5413784	191	
18379	19-May-11	P. Carpenter/M. Ickringill	0.2	B	org brn	silt sand pebbles	3	35	fir maple cedar	logging	10N	446163	5413748	198	
18380	19-May-11	P. Carpenter/M. Ickringill	0.25	B	med brn	silt sand	2	20	cedar fir maple ald	logging	10N	446141	5413694	220	
18381	19-May-11	P. Carpenter/M. Ickringill	0.2	B	org brn	silt sand	4	15	cedar fir	logging	10N	446117	5413652	233	
18382	19-May-11	P. Carpenter/M. Ickringill	0.35	B	org brn	silt sand	5	30	cedar fir	logging	10N	446094	5413608	244	
18383	19-May-11	P. Carpenter/M. Ickringill	0.2	B	red brn	silt sand	3	30	cedar	logging	10N	446067	5413569	259	
18384	19-May-11	P. Carpenter/M. Ickringill	0.05	B	org brn	silt sand	5	40	cedar fir	logging	10N	446038	5413528	272	
18385	19-May-11	P. Carpenter/M. Ickringill	0.1	B	red brn	silt sand	3	35	cedar fir	logging	10N	446028	5413485	302	
18386	19-May-11	P. Carpenter/M. Ickringill	0.1	B	org brn	silt clay	2	15	old growth	logging	10N	445998	5413447	316	
18387	19-May-11	P. Carpenter/M. Ickringill	0.2	B	org brn	silt clay	3	30	old growth	logging	10N	445995	5413392	338	
18388	19-May-11	P. Carpenter/M. Ickringill	0.2	B	brn	silt clay	4	40	old growth	logging	10N	445935	5413352	355	
18389	20-May-11	P. Carpenter/M. Ickringill	0.1	B	org brn	silt sand	2	30	old growth	logging	10N	446391	5413726	150	
18390	20-May-11	P. Carpenter/M. Ickringill	0.08	B	tan/brn	silt sand pebbles	2	20	old growth	logging	10N	446360	5413686	168	
18391	20-May-11	P. Carpenter/M. Ickringill	0.1	B	org brn	silt sand	3	35	old growth	logging	10N	446334	5413646	181	
18392	20-May-11	P. Carpenter/M. Ickringill	0.15	B	org brn	silt sand pebbles	3	35	old growth	logging	10N	446315	5413597	195	
18393	20-May-11	P. Carpenter/M. Ickringill	0.05	B	red brn	silt sand	3	40	old growth	logging	10N	446287	5413561	219	
18394	20-May-11	P. Carpenter/M. Ickringill	0.05	B	org brn	sand silt	3	30	old growth	logging	10N	446258	5413516	234	
18395	20-May-11	P. Carpenter/M. Ickringill	0.2	B	org brn	silt sand	3	30	old growth	logging	10N	446235	5413484	275	
18396	20-May-11	P. Carpenter/M. Ickringill	0.1	B	org brn	silt sand	2	40	old growth	logging	10N	446229	5413433	276	
18397	20-May-11	P. Carpenter/M. Ickringill	0.05	B	med brn	silt sand	3	40	old growth	logging	10N	446156	5413377	301	
18398	20-May-11	P. Carpenter/M. Ickringill	0.05	B	org brn	silt sand	2	25	old growth	logging	10N	446170	5413340	311	
18399	20-May-11	P. Carpenter/M. Ickringill	0.05	B	org brn	silt clay pebbles	3	30	old growth	logging	10N	445979	5413627	262	
18400	20-May-11	P. Carpenter/M. Ickringill	0.2	B	org brn	silt sand	3	15	old growth	logging	10N	446006	5413666	246	
18401	18-May-11	B. Protasiewich	0.25	B	red brn	silt sand	3	5	20 yo regen	logging	10N	446444	5413234	270	
18402	18-May-11	B. Protasiewich	0.15	B	red brn	silt sand	2	15	20 yo regen	logging	10N	446473	5413276	267	
18403	18-May-11	B. Protasiewich	0.15	B	red brn	silt sand	2	20	2nd gr fir maple	logging	10N	446499	5413324	255	
18404	19-May-11	B. Protasiewich	0.1	B	red brn	silt sand	1	20	2nd gr fir maple	logging	10N	446523	5413367	210	
18406	20-May-11	B. Protasiewich	0.3	B	tan brn	silt sand gravel	3	10	2 <sup>nd</sup> gr	logging	10N	445888	5413462	339	moved location due to roadcut
18407	20-May-11	B. Protasiewich	0.4	B	tan brn	silt sand gravel	3	38	2 <sup>nd</sup> gr	logging	10N	445852	5413410	366	
18408	20-May-11	B. Protasiewich	0.2	B	tan	silt sand gravel	2	10	2 <sup>nd</sup> gr	logging	10N	445826	5413363	388	
18409	20-May-11	B. Protasiewich	0.1	B	red brn	silt sand gravel	2	16	2 <sup>nd</sup> gr	logging	10N	445905	5413489	324	
18410	20-May-11	B. Protasiewich	0.05	B	red brn	silt sand	2	15	2 <sup>nd</sup> gr	logging	10N	445928	5413534	301	right between 2 creeks
18411	20-May-11	B. Protasiewich	0.15	B	tan brn	silt sand rocks	5	45	2 <sup>nd</sup> gr	logging	10N	445953	5413577	279	5m from cree, mineralization in creek bed
18412	20-May-11	B. Protasiewich	0.05	B	red brn	silt sand	2	45	2 <sup>nd</sup> gr	logging	10N	445843	5413579	308	10m from creek
18413	20-May-11	B. Protasiewich	0.05	B	tan brn	silt sand gravel	3	20	2 <sup>nd</sup> gr	logging	10N	445865	5413625	298	
18414	20-May-11	B. Protasiewich	0.05	B	tan brn	silt sand gravel	2	25	2 <sup>nd</sup> gr	logging	10N	445893	5413673	269	by creek 10m shist runs 125 deg.
18415	20-May-11	B. Protasiewich	0.1	B	red brn	silt sand gravel	2	10	2 <sup>nd</sup> gr	logging	10N	445917	5413715	247	by creek
18416	20-May-11	B. Protasiewich	0.1	B	tan brn	silt gravel sand	5	5	2 <sup>nd</sup> gr	logging	10N	445937	5413759	239	by creek
18417	20-May-11	B. Protasiewich	0.1	B	grey	silt clay	2	10	2 <sup>nd</sup> gr	logging	10N	445965	5413803	231	by creek
18418	20-May-11	B. Protasiewich	0.05	B	red brn	silt sand	2	0	2 <sup>nd</sup> gr	logging	10N	446077	5413796	219	
18419	20-May-11	B. Protasiewich	0.1	B	red brn	silt sand	2	25	2 <sup>nd</sup> gr	logging	10N	446053	5413755	216	by creek, high side
18420	20-May-11	P. Carpenter/M. Ickringill	0.1	B	org brn	silt sand	4	25	old growth	logging	10N	446021	5413702	231	

**APPENDIX 3**

**CERTIFICATES OF ANALYSIS**



**INSPECTORATE**

A Bureau Veritas Group Company

# Certificate of Analysis

**11-360-03707-01**

Inspectorate Exploration & Mining Services Ltd.  
#200 - 11620 Horseshoe Way  
Richmond, British Columbia V7A 4V5 Canada  
Phone: 604-272-7818

### Distribution List

Attention: Jacques Houle  
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Attention: Amd Burgert  
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Submitted By: **Mineral Exploration Consulting**  
**6552 Peregrine Road,**  
**Nanaimo, BC V9V 1P8**

Attention: **Jacques Houle**

Project: **Volcanics**  
Description: **Lot#1**

Date Received: 05/24/2011  
Date Completed: 06/14/2011  
Invoice:

Location	Samples	Type	Preparation Description
Vancouver, BC	9	Rock	SP-RX-2K/Rock/Chips/Drill Core
Vancouver, BC	169	Soil	SP-SS-1K/Soils, Humus Sediments 1kg dried, sieved and riffle split

Location	Method	Description
Vancouver, BC	50-4A-UT	50 Element, 4 Acid, ICPMS, Ultra Trace Level
Vancouver, BC	Au-1AT-AA	Au, 1AT Fire Assay, AAS

### Submittal Information

Re-released data with Fe results reported to 25%

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him and based on an evaluation of all engineering data which is available concerning any proposed project. For our complete terms and conditions please see our website at [www.inspectorate.com](http://www.inspectorate.com).

For and on behalf of **Inspectorate Exploration and Mining Services Ltd**

By

  
Michael Caron - Operations Manager



**INSPECTORATE**

A Bureau Veritas Group Company

#200 - 11620 Horseshoe Way

Richmond, British Columbia V7A 4V5  
Canada

# Certificate of Analysis

## 11-360-03707-01

Mineral Exploration Consulting

6552 Peregrine Road,

Nanaimo, BC V9V 1P8

Sample Description	Sample Type	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
		Au-IAT-AA ppm 0.005	50-4A-UT ppm 0.01	50-4A-UT % 0.01	50-4A-UT ppm 0.2	50-4A-UT ppm 5	50-4A-UT ppm 0.05	50-4A-UT ppm 0.01	50-4A-UT ppm 0.01	50-4A-UT ppm 0.01	50-4A-UT ppm 0.02	50-4A-UT ppm 0.01	50-4A-UT ppm 0.1	50-4A-UT ppm 1	50-4A-UT ppm 0.05
018201	Soil	<0.005	1.70	5.90	3.1	534	0.75	0.16	2.73	0.40	24.40	19.3	68	1.07	83.0
018202	Soil	<0.005	1.03	5.90	6.0	496	1.06	0.20	2.57	0.29	37.75	20.5	80	1.14	108.1
018203	Soil	<0.005	1.00	5.45	2.9	395	0.99	0.10	2.89	0.39	27.53	17.9	83	0.71	55.3
018204	Soil	<0.005	0.37	5.86	2.7	441	0.93	0.11	2.46	0.10	33.26	17.8	76	1.17	47.8
018205	Soil	<0.005	0.36	6.65	2.8	474	0.79	0.11	2.25	0.17	37.86	18.7	78	1.44	72.7
018206	Soil	<0.005	0.54	6.03	3.1	510	0.78	0.13	2.36	0.14	33.61	17.3	69	1.38	38.1
018207	Soil	<0.005	0.35	5.62	4.2	576	0.82	0.15	2.47	0.15	26.68	19.2	72	1.59	36.4
018208	Soil	<0.005	0.85	6.03	6.9	505	1.02	0.15	2.77	0.25	28.88	19.7	78	1.17	53.6
018209	Soil	<0.005	0.99	5.63	3.9	650	0.66	0.28	1.67	0.34	28.29	23.4	73	3.15	35.0
018210	Soil	<0.005	0.62	6.13	3.8	376	0.58	0.17	1.84	0.17	33.30	15.4	70	2.42	123.6
018211	Soil	<0.005	0.36	5.45	3.8	433	0.70	0.23	1.94	0.15	26.87	14.8	73	2.24	66.5
018212	Soil	<0.005	0.85	6.02	3.9	475	0.96	0.16	2.16	0.36	30.61	18.8	70	1.48	76.4
018213	Soil	<0.005	0.91	6.68	2.8	478	0.91	0.14	2.11	1.50	40.07	16.5	77	1.92	66.3
018214	Soil	<0.005	0.53	6.76	4.1	1131	1.22	0.79	1.37	0.14	31.58	21.3	47	1.59	209.5
018215	Soil	<0.005	0.55	6.02	5.9	675	0.92	0.35	2.26	0.23	26.71	20.7	71	1.86	78.3
018216	Soil	<0.005	1.04	5.74	2.9	542	1.00	0.17	2.65	0.16	29.79	20.7	81	1.30	61.5
018217	Soil	<0.005	0.62	4.70	9.6	532	0.94	0.22	1.94	0.54	29.31	17.3	54	3.10	46.1
018218	Soil	<0.005	0.31	5.81	18.4	428	1.24	0.16	2.13	0.75	29.90	27.9	73	1.72	97.8
018219	Soil	<0.005	0.18	6.14	3.4	411	0.88	0.10	2.13	0.26	45.14	16.5	75	1.13	184.7
018220	Soil	<0.005	0.07	6.22	4.1	505	1.15	0.24	2.19	0.28	34.43	24.7	76	1.82	62.7
018221	Soil	<0.005	0.23	5.97	5.4	691	0.63	0.16	2.53	0.29	32.96	18.6	68	1.48	63.1
018222	Soil	<0.005	0.09	6.80	2.2	688	1.38	0.58	2.12	0.20	47.20	31.5	76	2.00	106.2
018223	Soil	<0.005	0.09	6.65	6.5	576	0.81	0.43	2.49	0.25	38.85	28.5	114	1.47	328.9
018224	Soil	<0.005	0.18	5.76	13.5	636	0.84	0.46	1.95	0.26	32.70	26.6	68	1.70	292.8
018225	Soil	<0.005	0.12	5.81	11.2	528	1.03	0.32	2.60	0.30	33.81	21.7	70	1.65	91.3
018226	Soil	<0.005	0.05	6.98	4.7	481	0.80	0.30	2.06	0.16	42.17	18.8	75	1.37	97.6
018227	Soil	<0.005	0.15	6.61	4.0	563	0.79	0.24	2.68	0.18	39.02	21.8	81	1.42	82.5
018228	Soil	<0.005	0.30	6.71	3.7	627	1.25	0.33	2.33	0.16	31.78	23.7	77	1.86	77.8
018229	Soil	<0.005	0.21	6.84	3.3	524	0.96	0.28	1.96	0.19	25.86	16.3	76	1.22	317.4
018230	Soil	<0.005	0.12	6.45	11.2	660	1.09	0.62	2.09	0.24	32.36	16.3	64	1.99	185.8
018231	Soil	<0.005	0.24	8.69	14.1	869	1.09	1.81	1.21	0.35	83.63	81.2	62	2.69	1093.2
018232	Soil	<0.005	0.08	5.75	7.9	498	1.11	0.29	2.30	0.22	30.12	27.8	70	1.44	102.7
018233	Soil	<0.005	0.10	6.15	3.5	496	0.94	0.19	2.52	0.24	28.05	24.8	83	1.64	107.3
018234	Soil	<0.005	0.13	6.96	6.2	410	0.93	0.12	2.50	0.11	47.36	21.1	82	1.25	197.6
018235	Soil	<0.005	0.89	6.81	11.6	677	1.02	0.47	2.06	0.58	40.53	20.6	59	2.04	117.5
018236	Soil	<0.005	0.98	6.06	8.8	430	0.91	0.16	2.19	0.58	38.27	19.3	73	1.57	85.1
018237	Soil	<0.005	0.47	5.93	11.5	404	0.69	0.18	2.22	1.37	52.98	21.1	71	1.79	195.9
018238	Soil	<0.005	0.51	6.67	9.6	457	0.93	0.15	2.22	0.28	35.70	20.1	84	1.68	61.1
018239	Soil	<0.005	0.51	6.08	7.9	507	1.03	0.16	2.52	0.34	34.18	17.5	75	1.51	47.2
018240	Soil	<0.005	0.48	5.50	9.1	365	0.73	0.20	2.25	0.24	30.99	16.2	76	1.23	42.7



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Sample Description	Sample Type	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
		Au-IAT-AA ppm 0.005	50-4A-UT ppm 0.01	50-4A-UT % 0.01	50-4A-UT ppm 0.2	50-4A-UT ppm 5	50-4A-UT ppm 0.05	50-4A-UT ppm 0.01	50-4A-UT % 0.01	50-4A-UT ppm 0.02	50-4A-UT ppm 0.01	50-4A-UT ppm 0.1	50-4A-UT ppm 1	50-4A-UT ppm 0.05	50-4A-UT ppm 0.2
018241	Soil	<0.005	0.30	5.60	4.6	467	0.92	0.16	2.61	0.19	30.87	17.6	77	1.41	33.7
018242	Soil	<0.005	0.43	5.58	3.6	440	0.89	0.13	2.34	0.18	32.21	16.0	66	1.29	35.1
018243	Soil	<0.005	0.47	5.52	4.8	441	0.84	0.16	2.37	0.20	28.30	15.6	70	1.32	42.9
018244	Soil	<0.005	0.31	6.11	9.5	453	0.86	0.16	2.30	0.38	29.64	17.4	74	1.46	66.2
018245	Soil	0.005	0.39	5.71	8.0	503	1.07	0.20	2.16	0.42	31.15	17.3	71	1.80	50.2
018246	Soil	0.019	0.42	6.15	4.2	421	1.09	0.11	2.80	0.20	39.44	19.0	72	1.06	210.2
018247	Soil	<0.005	0.27	6.32	5.5	475	1.27	0.22	2.64	0.17	44.09	19.1	80	1.00	142.3
018248	Soil	<0.005	0.53	6.21	4.0	452	0.95	0.15	2.79	0.36	36.53	21.5	88	1.82	259.4
018249	Soil	<0.005	0.47	5.43	8.1	451	0.87	0.14	2.54	0.29	30.40	16.8	68	1.53	49.1
018250	Soil	<0.005	0.45	5.81	7.5	468	0.99	0.16	2.12	0.47	33.02	22.1	75	1.99	143.3
018301	Soil	<0.005	0.40	5.80	4.7	435	1.22	0.17	2.09	0.13	31.72	22.3	92	2.04	87.5
018302	Soil	<0.005	0.96	5.82	10.6	509	0.84	0.18	1.98	0.13	25.85	19.7	73	1.65	41.9
018303	Soil	<0.005	0.70	6.23	6.5	517	0.86	0.21	1.97	0.21	38.13	21.6	85	1.94	77.4
018304	Soil	<0.005	0.53	5.51	7.4	679	0.93	1.20	1.22	0.31	24.80	24.2	62	1.69	110.8
018305	Soil	<0.005	0.38	5.98	9.1	444	0.76	0.24	1.83	0.28	35.74	18.5	67	1.54	222.7
018306	Soil	<0.005	0.49	5.93	6.9	434	0.79	0.12	2.23	0.32	32.60	17.4	72	1.34	72.0
018307	Soil	<0.005	0.45	5.31	13.4	493	0.84	0.16	2.24	0.25	27.50	13.9	65	1.72	30.6
018308	Soil	0.006	0.64	5.50	67.8	457	1.35	0.27	1.88	0.76	33.79	23.3	77	3.11	249.3
018309	Soil	<0.005	0.40	5.70	3.9	387	0.86	0.11	1.83	0.19	29.52	19.0	82	1.53	40.9
018310	Soil	<0.005	0.27	6.29	4.0	354	0.90	0.11	2.30	0.16	27.43	19.4	78	1.11	52.2
018311	Soil	<0.005	0.99	6.26	2.4	377	0.79	0.12	2.46	0.11	32.33	18.0	78	1.56	36.2
018312	Soil	<0.005	0.80	6.15	2.7	434	<0.05	0.15	1.68	0.16	33.16	17.6	75	1.30	42.2
018313	Soil	<0.005	0.48	5.80	4.6	426	1.00	0.12	2.09	0.13	33.69	17.1	77	1.54	49.8
018314	Soil	<0.005	0.69	5.23	3.4	453	0.69	0.09	2.50	0.13	30.75	16.4	75	1.25	41.8
018315	Soil	<0.005	0.97	5.16	18.3	677	1.15	0.21	2.09	1.06	37.35	26.6	58	6.58	288.5
018316	Soil	<0.005	0.47	5.64	9.5	424	0.78	0.12	2.29	0.33	29.41	16.8	72	1.44	87.4
018317	Soil	<0.005	1.33	6.36	4.9	388	0.89	0.17	1.95	0.70	39.70	17.5	80	1.78	87.9
018318	Soil	<0.005	0.37	6.21	7.9	409	0.82	0.19	1.81	0.12	28.74	13.3	69	1.60	73.8
018319	Soil	<0.005	0.66	6.27	8.9	435	1.17	0.15	2.07	0.16	31.93	17.9	85	1.54	65.7
018320	Soil	<0.005	0.58	5.96	5.7	458	0.87	0.21	2.08	0.23	34.04	19.9	80	1.37	231.5
018321	Soil	<0.005	1.12	5.81	3.9	486	0.89	0.13	2.46	0.14	31.63	17.3	78	1.32	52.9
018322	Soil	<0.005	0.55	6.58	12.3	676	1.19	0.45	1.77	0.11	54.46	36.2	91	2.16	152.2
018323	Soil	<0.005	0.54	6.72	8.0	655	1.52	0.63	2.17	0.50	64.34	28.8	71	2.28	271.0
018324	Soil	<0.005	0.43	5.85	8.4	567	1.11	0.13	2.56	0.20	36.68	20.0	82	2.03	77.2
018325	Soil	0.005	0.42	6.44	7.8	1029	0.99	0.47	1.37	0.25	38.74	23.2	50	3.60	53.4
018326	Soil	<0.005	0.41	5.45	11.7	598	0.77	0.11	2.51	0.16	35.00	16.8	85	1.08	37.9
018327	Soil	<0.005	0.58	5.37	5.7	447	0.71	0.17	2.43	0.17	26.18	17.8	79	1.11	55.8
018328	Soil	0.006	0.62	6.20	8.4	427	0.76	0.39	2.09	0.27	32.66	20.9	83	1.42	273.4
018329	Soil	<0.005	0.51	6.30	6.6	470	1.03	0.22	2.46	0.27	34.54	22.3	91	1.70	341.3
018330	Soil	<0.005	0.59	6.16	4.8	426	0.83	0.29	2.30	0.14	35.92	21.1	88	1.29	190.2



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		Au-1AT-AA ppm 0.005	50-4A-UT ppm 0.01	50-4A-UT % 0.01	50-4A-UT ppm 0.2	50-4A-UT ppm 5	50-4A-UT ppm 0.05	50-4A-UT ppm 0.01	50-4A-UT ppm 0.01	50-4A-UT ppm 0.01	50-4A-UT ppm 0.02	50-4A-UT ppm 0.01	50-4A-UT ppm 0.1	50-4A-UT ppm 1	50-4A-UT ppm 0.05
018331	Soil	<0.005	0.97	5.35	8.8	413	0.98	0.16	2.36	0.27	29.52	22.2	78	1.49	86.0
018332	Soil	<0.005	0.48	5.90	7.6	520	0.81	0.18	2.43	0.61	34.54	18.0	76	1.52	78.5
018333	Soil	<0.005	0.31	5.91	8.3	437	0.83	0.09	2.52	0.19	41.46	17.2	95	0.92	109.3
018334	Soil	<0.005	0.85	6.29	8.6	505	1.40	0.19	2.80	0.65	38.59	25.3	115	1.89	474.3
018335	Soil	<0.005	0.46	6.59	14.0	475	0.86	0.14	2.26	0.33	45.61	21.9	92	1.89	293.7
018336	Soil	<0.005	0.52	5.90	8.4	444	1.10	0.14	2.37	0.21	33.14	19.0	88	1.44	101.8
018337	Soil	<0.005	0.21	5.50	5.3	420	1.04	0.15	2.18	0.31	32.22	18.2	79	1.72	40.7
018338	Soil	<0.005	0.25	6.05	7.6	436	0.99	0.20	2.20	0.58	34.25	20.9	90	1.95	67.3
018339	Soil	<0.005	0.24	5.87	8.6	404	1.00	0.12	2.26	0.15	31.30	16.3	80	1.20	50.2
018340	Soil	<0.005	0.20	5.50	8.7	420	1.02	0.16	2.33	0.15	28.43	17.6	77	1.24	38.3
018341	Soil	<0.005	0.16	5.91	7.0	435	0.91	0.13	2.40	0.12	35.28	18.4	81	1.41	39.6
018342	Soil	<0.005	0.17	6.27	10.3	391	0.99	0.13	3.19	0.17	38.22	27.4	139	1.24	68.0
018343	Soil	<0.005	0.19	6.22	10.9	433	0.99	0.14	2.62	0.20	36.32	21.2	94	1.76	58.9
018344	Soil	0.008	0.16	5.62	7.7	464	0.91	0.17	2.67	0.35	33.41	21.3	83	1.97	41.4
018345	Soil	<0.005	0.21	6.07	7.5	528	0.84	0.21	2.56	0.14	35.26	32.4	87	1.19	1013.5
018346	Soil	<0.005	0.16	6.13	6.7	484	0.92	0.17	2.48	0.31	37.42	22.3	93	1.56	79.8
018347	Soil	<0.005	0.19	6.66	50.9	514	1.14	0.20	2.71	0.51	35.26	21.2	97	1.80	104.8
018348	Soil	<0.005	0.19	5.96	10.4	450	0.79	0.19	2.38	0.37	31.56	22.0	87	1.37	290.6
018349	Soil	<0.005	0.30	6.35	8.5	417	1.10	0.28	2.23	0.18	57.65	26.3	83	1.37	158.4
018350	Soil	<0.005	0.20	5.25	6.6	461	0.86	0.19	2.28	0.18	30.91	29.9	84	1.57	48.1
018351	Soil	<0.005	0.18	5.98	19.3	394	0.97	0.16	2.06	0.39	39.61	22.2	83	1.41	88.5
018352	Soil	<0.005	0.25	6.58	11.6	402	1.22	0.17	2.10	0.34	49.70	25.4	94	1.55	231.7
018353	Soil	<0.005	0.59	5.82	13.3	382	0.82	0.10	2.13	0.29	32.91	19.2	75	1.59	75.8
018354	Soil	<0.005	0.43	6.43	9.0	524	1.30	0.12	2.17	0.27	34.22	17.8	66	1.41	50.6
018355	Soil	<0.005	0.38	6.32	7.9	446	1.08	0.12	2.36	0.18	46.75	20.7	85	1.72	63.7
018356	Soil	<0.005	0.40	6.04	7.3	406	1.00	0.12	2.27	0.20	40.21	21.4	79	1.65	58.3
018357	Soil	<0.005	0.38	5.91	5.4	377	0.88	0.13	2.41	0.16	33.33	21.4	82	1.47	45.4
018358	Soil	<0.005	0.28	5.80	8.3	430	0.88	0.12	2.17	0.15	37.21	20.0	75	1.24	59.8
018359	Soil	0.019	0.23	5.82	11.4	428	1.10	0.14	2.40	0.22	34.39	20.0	77	1.28	71.6
018360	Soil	<0.005	0.42	6.47	18.8	443	1.11	0.17	2.43	0.32	42.03	25.1	83	1.72	130.1
018361	Soil	<0.005	0.78	6.10	25.3	414	1.19	0.19	1.79	0.37	38.66	24.6	84	1.85	158.8
018362	Soil	<0.005	0.33	6.10	28.5	345	0.98	0.17	2.15	0.37	38.24	23.8	81	1.48	183.6
018363	Soil	0.006	0.46	6.05	34.0	427	1.22	0.14	2.46	0.27	40.14	21.9	83	1.39	144.2
018364	Soil	0.007	0.40	5.91	30.0	354	1.03	0.24	2.15	0.47	36.49	25.8	77	1.68	231.0
018365	Soil	<0.005	0.38	6.72	29.4	301	1.02	0.21	2.10	0.25	41.66	23.1	85	1.38	163.5
018366	Soil	0.037	0.38	6.41	24.6	404	1.08	0.24	2.34	0.54	44.59	37.2	83	1.72	175.7
018367	Soil	<0.005	0.34	6.35	14.8	450	1.18	0.18	2.60	0.56	35.65	24.7	91	1.49	74.9
018368	Soil	<0.005	0.39	6.33	25.7	443	0.90	0.17	2.48	0.43	30.23	20.9	80	1.80	81.4
018369	Soil	0.006	0.37	6.38	10.2	546	1.26	0.11	2.82	0.39	41.90	20.3	81	1.35	149.4
018370	Soil	<0.005	0.40	6.57	40.8	443	1.16	0.12	2.46	0.31	33.30	22.6	97	1.40	77.4





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6552 Peregrine Road,

Nanaimo, BC V9V 1P8

Sample Description	Sample Type	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
		Au-IAT-AA ppm 0.005	50-4A-UT ppm 0.01	50-4A-UT % 0.01	50-4A-UT ppm 0.2	50-4A-UT ppm 5	50-4A-UT ppm 0.05	50-4A-UT ppm 0.01	50-4A-UT % 0.01	50-4A-UT ppm 0.02	50-4A-UT ppm 0.01	50-4A-UT ppm 0.1	50-4A-UT ppm 1	50-4A-UT ppm 0.05	50-4A-UT ppm 0.2
018371	Soil	<0.005	0.28	6.53	28.1	437	1.27	0.42	2.30	0.49	35.00	50.0	86	1.95	152.9
018372	Soil	<0.005	0.15	6.72	13.7	448	1.17	0.12	2.43	0.19	29.79	22.2	84	1.52	112.7
018373	Soil	<0.005	0.16	5.92	7.8	427	1.08	0.12	2.30	0.24	35.26	23.2	76	1.11	76.6
018374	Soil	<0.005	0.18	5.71	5.3	436	1.21	0.12	2.66	0.21	31.21	19.8	78	1.45	61.7
018375	Soil	<0.005	0.18	6.15	5.3	487	0.86	0.13	2.35	0.14	32.35	19.1	77	1.55	37.8
018376	Soil	<0.005	0.12	6.16	5.0	466	1.04	0.11	2.89	0.12	38.15	20.6	75	1.33	51.2
018377	Soil	0.008	0.19	6.25	4.3	437	1.11	0.14	2.43	0.14	36.16	21.9	80	1.78	47.9
018378	Soil	<0.005	0.23	5.97	4.6	463	1.12	0.14	2.54	0.17	30.53	21.1	88	1.28	36.1
018379	Soil	0.007	0.12	6.43	11.3	558	0.88	0.13	1.89	0.25	40.71	19.3	71	1.12	72.8
018380	Soil	<0.005	0.11	5.61	5.2	524	0.71	0.11	2.30	0.20	29.89	17.2	70	1.10	45.2
018381	Soil	<0.005	0.13	6.09	6.0	406	0.92	0.13	1.82	0.15	24.70	20.7	63	1.27	60.9
018382	Soil	<0.005	0.19	6.90	13.9	423	1.02	0.14	2.53	0.24	32.76	21.3	88	1.45	101.8
018383	Soil	<0.005	0.23	6.21	10.6	408	0.90	0.17	2.39	0.27	33.04	21.4	81	1.41	78.9
018384	Soil	<0.005	0.20	6.41	7.9	477	1.29	0.13	2.58	0.51	35.86	25.5	76	1.47	176.4
018385	Soil	<0.005	0.15	5.46	9.6	501	1.14	0.20	2.41	0.31	33.57	20.3	73	1.63	98.0
018386	Soil	<0.005	0.22	6.70	13.9	423	1.26	0.14	2.05	0.28	33.79	27.0	100	1.93	128.3
018387	Soil	<0.005	0.89	6.52	6.5	449	1.17	0.14	2.12	0.20	30.67	18.0	89	1.49	114.0
018388	Soil	<0.005	0.58	6.59	9.8	441	1.12	0.16	2.03	0.35	32.19	19.2	90	1.59	159.0
018389	Soil	<0.005	0.43	5.61	3.2	458	0.83	0.14	2.42	0.19	30.94	18.5	80	1.44	35.6
018390	Soil	<0.005	0.38	5.88	3.7	529	0.70	0.10	2.24	0.12	30.38	15.8	72	1.27	44.3
018391	Soil	<0.005	0.30	5.35	4.0	401	0.85	0.10	3.04	0.19	26.96	16.6	86	0.70	42.4
018392	Soil	<0.005	0.32	5.69	4.0	452	0.85	0.17	2.67	0.19	27.35	17.3	81	1.23	66.5
018393	Soil	0.006	0.40	7.00	25.2	453	1.41	0.16	2.23	0.30	40.68	22.3	87	1.60	72.5
018394	Soil	<0.005	0.21	6.11	5.4	384	0.77	0.09	1.89	0.16	23.77	18.8	80	1.22	58.5
018395	Soil	0.006	0.43	6.12	18.7	387	1.31	0.15	2.10	0.45	39.44	18.9	83	1.38	144.8
018396	Soil	<0.005	0.50	6.32	7.5	347	1.27	0.15	1.92	0.24	41.24	18.3	82	1.39	92.3
018397	Soil	<0.005	0.51	5.87	9.8	431	1.05	0.14	2.62	0.31	30.58	20.8	86	1.58	66.7
018398	Soil	<0.005	0.89	6.22	5.2	432	1.30	0.21	2.08	0.84	52.79	135.4	81	1.86	233.8
018399	Soil	0.009	0.57	6.67	37.9	410	0.88	0.16	2.63	0.49	34.94	18.9	86	1.30	111.0
018400	Soil	<0.005	0.53	6.92	44.4	438	1.25	0.15	2.33	0.52	39.64	22.4	107	2.07	142.7
018401	Soil	<0.005	0.34	5.58	6.7	429	0.76	0.16	2.14	0.29	28.36	17.9	73	1.21	70.1
018402	Soil	<0.005	0.34	5.56	3.7	450	0.89	0.14	1.96	0.37	28.03	18.0	72	1.28	54.7
018403	Soil	<0.005	1.12	5.51	8.6	480	1.08	0.19	1.89	0.96	35.31	19.2	67	2.21	124.2
018404	Soil	<0.005	1.50	6.24	4.7	454	1.07	0.17	2.05	0.41	34.87	19.8	78	1.83	157.0
018406	Soil	<0.005	0.53	5.45	5.4	462	1.04	0.15	2.56	0.46	29.16	17.0	82	1.00	54.3
018407	Soil	<0.005	0.63	6.06	4.0	433	0.59	0.13	2.13	0.33	29.22	15.9	79	1.38	67.5
018408	Soil	0.005	0.60	5.86	4.4	425	0.93	0.14	2.05	0.30	28.40	16.0	83	1.27	69.5
018409	Soil	<0.005	0.38	6.38	3.5	463	1.28	0.16	2.28	0.28	33.71	24.4	100	1.76	68.3
018410	Soil	<0.005	0.73	6.63	10.3	648	1.34	0.21	2.30	1.76	33.51	26.2	97	2.06	153.4
018411	Soil	<0.005	0.96	5.60	14.4	614	0.88	0.18	2.39	1.33	32.60	32.1	81	2.09	154.3



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## 11-360-03707-01

Mineral Exploration Consulting

6552 Peregrine Road,

Nanaimo, BC V9V 1P8

Sample Description	Sample Type	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
		Au-1AT-AA ppm 0.005	50-4A-UT ppm 0.01	50-4A-UT % 0.01	50-4A-UT ppm 0.2	50-4A-UT ppm 5	50-4A-UT ppm 0.05	50-4A-UT ppm 0.01	50-4A-UT % 0.01	50-4A-UT ppm 0.02	50-4A-UT ppm 0.01	50-4A-UT ppm 0.1	50-4A-UT ppm 1	50-4A-UT ppm 0.05	50-4A-UT ppm 0.2
018412	Soil	<0.005	0.77	6.23	9.4	517	0.86	0.17	1.85	1.74	35.05	22.7	104	2.27	421.2
018413	Soil	0.005	0.46	5.47	4.7	474	0.91	0.15	2.42	0.38	32.48	19.5	81	1.37	45.3
018414	Soil	<0.005	0.67	5.65	5.0	456	1.01	0.10	2.29	0.21	30.47	17.7	77	1.18	53.7
018415	Soil	<0.005	1.18	5.88	5.9	470	0.76	0.17	2.22	0.27	34.04	15.8	74	1.33	43.3
018416	Soil	<0.005	0.41	6.68	8.1	410	1.23	0.13	2.00	0.29	43.21	21.3	90	1.37	84.9
018417	Soil	<0.005	0.38	6.23	4.0	590	1.13	0.15	1.97	0.14	40.37	16.3	89	1.40	61.3
018418	Soil	<0.005	0.34	6.49	7.3	563	0.90	0.17	1.86	0.20	26.59	17.9	71	1.38	56.4
018419	Soil	0.017	0.68	5.66	3.1	458	0.57	0.12	2.33	0.20	29.24	14.9	71	1.05	32.5
018420	Soil	0.007	0.57	6.84	24.3	465	1.12	0.17	2.40	0.68	38.19	20.0	109	1.88	164.7
018011	Rock	<0.005	0.25	5.86	20.0	36	0.38	0.17	6.75	0.14	9.41	25.3	228	0.05	71.2
018057	Rock	<0.005	0.34	5.53	2.6	223	1.30	0.04	4.76	0.24	51.01	40.0	54	1.29	456.3
018058	Rock	<0.005	0.42	5.09	1.6	279	2.70	0.02	1.47	0.06	120.48	4.8	75	0.10	90.7
018059	Rock	<0.005	0.37	4.40	1.1	207	1.45	0.11	0.21	0.09	104.62	6.5	119	0.16	304.1
018060	Rock	<0.005	0.53	4.20	1.4	327	1.23	0.37	0.36	0.12	102.22	7.7	112	0.26	1332.1
018061	Rock	<0.005	0.28	5.73	24.2	720	1.77	0.11	0.46	0.15	46.37	41.9	26	0.16	223.3
018062	Rock	0.006	0.26	5.22	2.2	260	1.11	0.07	2.19	0.18	51.62	43.2	44	1.49	407.3
018063	Rock	0.005	0.33	5.36	2.6	193	1.66	0.18	2.89	0.19	63.04	34.6	38	0.57	369.7
018064	Rock	<0.005	0.09	7.01	2.4	112	0.46	0.04	3.54	0.10	15.09	47.1	63	0.10	124.8



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6552 Peregrine Road,

Nanaimo, BC V9V 1P8

Sample Description	Sample Type	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
		50-4A-UT %	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT %	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT %	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT %	50-4A-UT ppm
018201	Soil	5.17	14.97	1.40	1.3	0.05	1.13	11.9	16.4	1.27	1831	0.99	2.44	7.5	31.9
018202	Soil	5.49	15.44	1.27	1.2	0.06	0.97	16.5	21.7	1.38	1223	0.95	2.60	7.1	35.4
018203	Soil	5.26	15.10	1.23	1.0	0.05	0.93	13.2	9.7	1.28	843	0.87	2.75	6.3	29.3
018204	Soil	4.86	14.70	0.58	1.1	0.05	0.99	14.5	20.3	1.30	842	1.17	2.69	6.9	32.6
018205	Soil	5.46	16.51	1.43	1.1	0.06	0.99	15.0	24.5	1.22	841	1.88	2.65	7.2	36.3
018206	Soil	5.18	15.08	1.30	1.0	0.06	1.13	15.1	19.8	1.23	836	1.29	2.63	7.2	31.7
018207	Soil	5.04	15.71	1.22	1.0	0.05	1.06	12.5	24.2	1.14	2179	1.00	2.53	7.1	32.4
018208	Soil	5.48	15.02	1.11	1.0	0.05	0.95	13.6	19.8	1.45	1548	1.67	2.45	6.1	34.1
018209	Soil	5.74	19.58	0.25	1.1	0.05	1.11	13.7	29.4	1.07	2731	1.42	1.94	7.2	25.7
018210	Soil	5.49	16.06	0.24	1.2	0.05	0.96	14.0	21.2	1.02	686	1.56	2.22	6.7	27.4
018211	Soil	6.29	18.12	0.38	1.3	0.06	0.98	12.1	24.5	1.07	1108	1.39	2.01	7.8	28.2
018212	Soil	5.83	15.63	0.29	1.2	0.05	1.13	12.2	21.2	1.22	922	1.56	2.44	6.9	30.7
018213	Soil	6.06	17.11	<0.05	1.1	0.06	1.07	17.4	21.8	1.28	941	1.68	2.34	7.6	33.3
018214	Soil	5.51	17.60	0.37	1.1	0.07	1.82	16.4	19.8	0.93	1441	1.15	2.69	4.6	21.8
018215	Soil	5.96	15.83	1.22	1.0	0.06	1.17	13.5	27.0	1.37	1639	0.93	2.37	6.4	30.1
018216	Soil	5.54	15.92	<0.05	1.0	0.06	1.03	13.1	20.7	1.34	1388	0.84	2.60	6.4	35.7
018217	Soil	4.87	16.99	0.30	0.9	0.06	0.86	13.0	21.1	0.73	7483	0.88	2.15	7.9	17.1
018218	Soil	5.37	16.97	0.26	0.9	0.06	0.94	15.5	28.8	1.25	1135	2.39	2.35	6.9	35.6
018219	Soil	5.06	15.19	<0.05	1.2	0.05	1.07	17.3	20.5	1.38	715	1.43	2.73	6.6	29.8
018220	Soil	6.04	17.35	1.15	1.1	0.06	1.11	15.0	26.6	1.26	1423	1.30	2.38	7.4	34.1
018221	Soil	5.27	15.85	1.16	0.9	0.05	1.19	17.2	24.5	1.25	3655	0.81	2.70	7.6	29.4
018222	Soil	6.38	17.76	0.45	1.2	0.06	1.25	23.5	26.4	1.23	1146	1.54	2.25	7.2	32.5
018223	Soil	6.85	17.33	1.04	1.2	0.07	1.16	17.0	22.0	1.70	1102	1.74	2.29	6.8	37.4
018224	Soil	6.36	18.08	0.62	1.0	0.07	1.17	16.2	23.2	1.21	2161	1.56	2.06	6.2	29.2
018225	Soil	5.96	15.02	1.06	0.8	0.06	1.06	15.4	24.0	1.23	1476	1.89	2.21	6.2	28.8
018226	Soil	6.14	15.88	0.06	1.2	0.06	1.27	15.7	20.4	1.36	794	5.22	2.38	7.1	32.1
018227	Soil	6.28	17.21	0.64	1.0	0.06	1.32	16.9	21.3	1.55	1235	2.12	2.76	7.5	30.9
018228	Soil	7.09	20.66	1.37	1.0	0.07	1.32	15.7	28.9	1.39	1218	2.11	2.53	8.6	30.9
018229	Soil	5.16	18.66	1.05	0.9	0.06	0.89	18.3	31.3	1.15	562	4.29	2.47	6.8	28.4
018230	Soil	6.72	18.59	1.15	1.1	0.08	1.37	16.1	23.6	1.11	1236	1.64	2.55	6.7	25.2
018231	Soil	8.25	20.95	1.14	1.4	0.11	1.63	26.6	27.4	0.78	2746	4.40	1.93	5.4	26.4
018232	Soil	4.98	17.28	0.82	1.0	0.06	1.19	15.7	19.6	1.23	1789	1.14	2.41	7.1	26.2
018233	Soil	6.09	16.59	<0.05	0.9	0.06	1.07	12.8	27.9	1.44	1132	1.19	2.54	7.4	34.0
018234	Soil	6.92	16.35	1.20	1.2	0.06	1.10	14.8	22.9	1.83	826	1.29	2.62	6.1	38.2
018235	Soil	6.46	15.90	1.11	1.3	0.06	1.48	16.6	23.0	1.20	2886	1.53	2.20	6.3	23.3
018236	Soil	5.32	16.38	1.13	1.0	0.05	1.05	14.7	28.3	1.31	937	1.51	2.61	7.3	32.9
018237	Soil	5.85	16.09	1.25	1.0	0.07	0.86	30.6	31.3	1.12	1042	1.51	2.27	6.4	33.2
018238	Soil	6.13	17.34	1.21	1.0	0.06	0.94	14.2	36.4	1.37	945	1.06	2.46	7.4	39.3
018239	Soil	5.21	16.75	1.21	1.0	0.05	1.02	16.0	26.1	1.24	1961	0.71	2.54	6.3	31.5
018240	Soil	5.11	16.99	1.22	0.9	0.05	0.81	13.0	26.6	1.14	941	1.26	2.38	7.0	32.7



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Sample Description	Sample Type	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
		50-4A-UT %	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT %	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT %	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT %	50-4A-UT ppm
018241	Soil	5.30	17.13	1.12	1.0	0.05	1.01	13.8	22.7	1.20	1127	0.90	2.72	7.3	30.1
018242	Soil	4.98	16.01	1.11	1.0	0.05	0.96	15.3	26.5	1.07	1034	0.80	2.43	6.9	27.9
018243	Soil	5.19	16.10	0.94	0.9	0.06	0.89	12.8	22.8	1.16	1151	0.90	2.51	6.5	30.4
018244	Soil	5.52	17.55	1.16	0.9	0.06	0.93	12.0	27.2	1.22	898	0.99	2.35	6.9	36.3
018245	Soil	5.48	16.25	1.17	1.0	0.05	0.96	14.0	25.8	1.07	1568	0.91	2.47	6.8	30.4
018246	Soil	5.62	16.06	0.57	0.9	0.05	0.98	16.4	20.0	1.50	929	2.17	2.44	6.7	30.1
018247	Soil	5.79	15.75	1.05	1.1	0.06	1.11	14.9	19.5	1.54	889	1.96	2.54	6.9	33.8
018248	Soil	6.36	17.98	1.29	1.1	0.06	1.02	16.3	27.9	1.57	1422	1.32	2.49	8.3	33.6
018249	Soil	5.86	16.86	1.15	0.9	0.05	0.96	13.7	25.3	1.28	1826	0.95	2.38	8.1	26.8
018250	Soil	6.15	18.60	1.30	1.0	0.07	0.92	14.6	26.2	1.15	2064	0.94	2.21	7.0	47.1
018301	Soil	5.96	18.86	1.24	1.1	0.06	1.01	19.4	34.1	1.38	839	1.36	2.17	8.6	39.1
018302	Soil	5.29	16.67	1.14	1.0	0.06	1.00	11.6	25.9	1.23	1102	1.15	2.35	7.6	33.3
018303	Soil	5.75	16.67	1.15	1.1	0.06	1.03	18.9	28.4	1.32	1134	1.43	2.26	7.5	37.6
018304	Soil	5.67	16.80	0.87	1.0	0.07	1.19	12.3	20.9	1.17	1724	1.69	1.97	5.7	22.5
018305	Soil	5.64	15.05	0.99	1.1	0.06	0.89	15.2	20.7	1.18	1795	1.71	1.95	6.1	29.7
018306	Soil	5.22	14.74	1.08	1.1	0.05	0.95	17.3	17.9	1.27	995	1.02	2.42	6.9	27.7
018307	Soil	5.25	16.51	1.10	1.1	0.05	1.05	12.5	19.2	1.13	1147	1.02	2.41	8.3	26.0
018308	Soil	6.15	16.97	1.14	1.1	0.07	0.79	13.8	26.5	1.20	2586	0.91	1.83	7.4	35.8
018309	Soil	5.23	16.56	1.04	1.1	0.06	0.96	13.2	16.0	1.49	590	1.26	2.27	7.5	32.9
018310	Soil	5.48	16.19	1.22	1.0	0.06	0.74	11.3	25.3	1.43	793	1.34	2.47	7.1	36.8
018311	Soil	5.41	15.43	1.10	1.3	0.06	0.86	12.4	19.6	1.24	756	1.42	2.35	6.9	33.1
018312	Soil	4.58	15.38	1.00	1.0	0.06	1.08	13.0	18.3	1.40	586	1.08	2.70	7.1	30.7
018313	Soil	5.35	16.34	1.32	1.2	0.05	0.82	13.9	31.9	1.25	817	1.02	2.25	7.2	35.4
018314	Soil	4.49	15.09	1.17	1.1	0.05	0.98	13.2	18.7	1.29	969	0.65	2.49	7.1	28.4
018315	Soil	7.69	19.40	1.31	0.9	0.10	0.78	16.2	25.6	1.35	3813	1.32	2.00	7.8	36.9
018316	Soil	5.35	16.06	1.20	1.0	0.05	0.98	13.3	17.9	1.25	769	1.07	2.51	7.9	30.5
018317	Soil	5.81	17.11	1.14	1.5	0.07	0.84	16.6	23.5	1.29	822	2.55	2.22	7.7	29.5
018318	Soil	5.79	15.64	1.09	1.3	0.05	0.96	12.1	21.8	1.13	746	1.39	2.20	7.2	25.3
018319	Soil	5.36	15.36	1.16	1.3	0.06	0.95	13.0	24.4	1.37	884	1.13	2.31	7.8	36.8
018320	Soil	5.03	15.38	1.24	1.0	0.06	1.02	18.1	22.8	1.27	1233	1.28	2.33	7.4	29.2
018321	Soil	5.14	14.15	1.18	1.1	0.06	1.07	14.5	18.6	1.35	1085	0.84	2.57	7.9	30.7
018322	Soil	6.86	18.87	1.19	1.2	0.07	1.31	18.2	26.7	1.44	1597	2.15	1.96	7.5	38.1
018323	Soil	6.37	13.37	1.30	1.2	0.07	1.04	25.4	26.2	1.12	1957	2.07	2.00	5.6	30.0
018324	Soil	5.31	16.99	1.41	1.1	0.06	1.15	16.9	27.8	1.28	1788	1.38	2.52	9.1	30.3
018325	Soil	5.91	21.60	1.32	0.9	0.05	1.64	14.1	28.0	1.09	1440	4.18	1.93	6.7	16.7
018326	Soil	5.65	15.45	1.07	1.1	0.05	0.93	16.0	16.3	1.31	1154	0.94	2.31	8.8	27.7
018327	Soil	5.30	16.45	1.23	0.8	0.05	1.02	12.6	23.7	1.45	854	2.05	2.54	7.8	26.1
018328	Soil	6.42	18.53	1.31	0.9	0.07	0.86	18.0	36.8	1.14	737	2.96	2.15	8.2	35.5
018329	Soil	5.75	17.06	1.43	1.1	0.06	0.91	20.9	35.0	1.30	1607	2.40	2.63	8.2	37.8
018330	Soil	5.30	15.92	1.22	1.0	0.07	0.97	15.9	20.6	1.45	858	1.29	2.52	7.2	35.5



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## 11-360-03707-01

Mineral Exploration Consulting

6552 Peregrine Road,

Nanaimo, BC V9V 1P8

Sample Description	Sample Type	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
		50-4A-UT %	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT %	50-4A-UT %	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT %	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT %	50-4A-UT ppm
018331	Soil	5.48	15.05	1.05	0.9	0.06	0.96	12.8	20.4	1.04	2160	1.34	2.30	7.0	25.8
018332	Soil	5.39	16.21	1.05	1.0	0.06	1.14	14.2	19.8	1.26	1223	0.89	2.65	8.5	29.5
018333	Soil	5.19	14.41	1.12	1.0	0.05	1.08	14.6	17.2	1.38	774	0.98	2.89	7.4	34.6
018334	Soil	6.15	16.41	1.53	1.0	0.06	0.96	16.7	36.0	1.66	1787	1.22	2.40	7.7	45.2
018335	Soil	5.87	16.45	1.39	1.0	0.06	0.98	18.9	28.6	1.31	974	1.47	2.43	7.7	38.1
018336	Soil	5.18	15.69	1.26	1.0	0.06	1.08	14.6	28.6	1.37	802	1.13	2.49	7.3	34.8
018337	Soil	5.31	15.68	1.19	1.0	0.07	0.90	14.0	30.0	1.15	1307	1.29	2.48	7.7	31.1
018338	Soil	5.36	15.84	1.26	1.0	0.06	0.93	14.5	33.0	1.44	1026	1.08	2.39	7.4	37.8
018339	Soil	4.98	14.90	1.17	1.1	0.05	0.91	13.2	21.2	1.34	817	0.76	2.47	7.1	35.9
018340	Soil	5.01	15.98	1.31	0.8	0.06	0.95	13.7	24.6	1.18	1309	1.05	2.50	6.9	26.6
018341	Soil	4.92	15.94	1.32	1.1	0.06	1.05	15.0	27.6	1.31	979	0.80	2.66	8.1	33.2
018342	Soil	6.10	16.47	1.17	1.0	0.06	0.86	16.3	24.4	2.32	1249	0.86	2.42	6.4	51.0
018343	Soil	5.76	16.16	1.24	1.1	0.06	1.09	17.3	28.0	1.65	906	0.82	2.67	7.9	37.1
018344	Soil	5.37	16.76	1.18	1.0	0.06	1.04	15.2	30.3	1.41	1677	0.87	2.67	8.2	31.3
018345	Soil	6.16	16.34	1.04	1.0	0.06	1.16	15.0	24.2	1.46	982	2.56	2.60	7.9	33.3
018346	Soil	6.16	17.92	1.23	0.9	0.06	1.18	17.0	25.5	1.42	1059	1.82	2.61	8.8	36.2
018347	Soil	5.57	15.44	1.58	1.0	0.06	1.11	15.4	31.5	1.41	1344	1.64	2.31	6.6	36.8
018348	Soil	5.75	16.61	1.15	1.0	0.05	0.89	13.8	27.8	1.49	1415	1.82	2.40	7.2	39.9
018349	Soil	5.84	15.38	1.06	1.1	0.05	0.96	17.7	21.2	1.24	964	1.18	2.21	7.0	30.8
018350	Soil	5.79	17.67	1.21	1.0	0.06	1.00	14.1	29.0	1.16	2863	0.90	2.36	8.4	26.7
018351	Soil	6.62	16.36	1.40	1.0	0.07	0.79	16.6	33.3	1.07	2204	1.99	2.19	7.3	32.1
018352	Soil	6.17	16.04	1.39	1.2	0.07	0.78	26.6	34.9	1.36	1637	1.29	2.17	6.8	41.2
018353	Soil	4.73	15.15	1.27	1.2	0.06	0.89	14.5	29.6	1.41	822	1.17	2.55	7.8	33.5
018354	Soil	4.88	16.61	1.24	1.0	0.05	1.43	15.0	25.9	1.20	1197	1.02	2.44	7.1	29.5
018355	Soil	5.85	17.96	1.14	1.2	0.06	1.09	16.0	27.2	1.44	848	1.15	2.53	7.6	34.1
018356	Soil	5.81	17.05	1.25	0.9	0.06	0.82	17.5	32.9	1.21	1294	1.05	2.17	7.5	35.7
018357	Soil	5.47	16.32	1.15	1.0	0.05	0.88	15.0	34.9	1.46	765	0.94	2.48	7.5	35.7
018358	Soil	5.35	15.70	1.15	1.0	0.06	0.94	12.8	24.0	1.39	922	1.12	2.23	7.2	37.0
018359	Soil	5.44	15.31	1.06	1.0	0.06	0.94	14.7	25.7	1.44	1181	1.06	2.37	6.2	34.9
018360	Soil	5.83	16.32	1.47	1.0	0.06	1.01	16.8	39.6	1.42	1963	1.40	2.48	7.3	39.4
018361	Soil	5.38	15.87	1.43	1.0	0.05	1.06	13.3	40.5	1.27	749	1.53	2.08	6.8	41.8
018362	Soil	5.75	16.24	1.45	1.1	0.06	0.72	15.8	40.6	1.32	870	1.38	2.19	6.7	39.2
018363	Soil	6.07	17.16	1.25	0.9	0.06	0.87	17.5	31.7	1.40	874	1.45	2.45	7.3	36.0
018364	Soil	7.09	17.36	1.59	0.9	0.07	0.71	16.3	40.5	1.23	875	1.68	2.14	7.4	37.0
018365	Soil	6.36	17.00	1.31	0.9	0.06	0.67	13.7	40.0	1.26	594	1.61	2.04	10.5	40.1
018366	Soil	7.22	16.90	1.12	1.1	0.06	0.95	18.8	30.2	1.63	1114	1.41	2.20	6.8	49.0
018367	Soil	5.99	17.96	1.29	0.9	0.06	0.97	14.6	30.8	1.33	1155	1.44	2.47	8.0	39.1
018368	Soil	5.76	16.38	1.42	1.0	0.07	0.92	11.8	39.9	1.35	1199	1.30	2.31	7.2	37.3
018369	Soil	6.16	16.43	1.21	1.0	0.05	1.22	17.1	23.5	1.47	2035	0.90	2.57	7.8	31.4
018370	Soil	6.63	17.39	1.36	1.0	0.06	0.92	13.2	41.6	1.44	906	1.29	2.35	7.4	35.6



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6552 Peregrine Road,

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Sample Description	Sample Type	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
		50-4A-UT %	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT %	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT %	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT %	50-4A-UT ppm
018371	Soil	7.03	16.80	1.41	1.0	0.07	0.97	16.0	38.2	1.50	2074	1.34	<0.01	6.7	56.1
018372	Soil	6.24	17.68	1.28	0.9	0.06	0.99	12.4	27.8	1.53	1130	0.93	2.36	7.0	40.5
018373	Soil	6.35	16.31	1.13	0.9	0.06	0.92	13.7	24.1	1.31	1745	1.12	2.42	6.3	32.6
018374	Soil	6.16	15.74	1.14	1.0	0.06	0.88	13.0	28.4	1.30	1541	0.85	2.36	7.4	32.3
018375	Soil	5.65	17.63	1.25	1.1	0.06	1.14	13.4	30.8	1.24	997	1.02	2.24	8.5	32.2
018376	Soil	5.71	15.81	1.16	1.1	0.06	1.04	15.4	26.0	1.43	1216	0.89	2.40	7.6	33.1
018377	Soil	5.93	16.73	1.17	1.0	0.07	1.04	17.5	34.1	1.37	1058	1.14	2.42	7.1	34.3
018378	Soil	5.31	16.54	1.35	1.0	0.05	1.10	13.9	29.4	1.37	1081	0.82	2.58	7.7	30.5
018379	Soil	5.53	16.09	1.14	1.2	0.06	1.52	13.8	19.3	1.26	1079	1.38	2.24	6.2	32.3
018380	Soil	4.70	15.35	1.11	1.0	0.05	1.29	13.7	18.3	1.14	1192	0.79	2.56	6.6	25.7
018381	Soil	5.79	16.48	1.17	0.7	0.06	0.97	10.4	24.5	1.17	1304	0.99	2.53	5.5	27.3
018382	Soil	6.12	16.98	1.46	1.0	0.06	0.89	13.8	41.7	1.42	804	1.30	2.43	7.1	40.4
018383	Soil	6.06	18.77	1.27	1.0	0.06	0.93	14.2	30.3	1.31	761	1.53	2.64	7.4	29.9
018384	Soil	5.68	17.48	1.35	1.1	0.06	0.98	14.1	29.4	1.24	1225	0.84	2.55	7.8	30.6
018385	Soil	5.63	16.96	1.23	1.1	0.07	1.07	15.6	29.0	1.21	1840	0.98	2.51	8.3	26.7
018386	Soil	6.64	18.38	1.51	1.0	0.07	0.92	13.7	47.0	1.47	1511	1.19	2.29	7.6	46.4
018387	Soil	5.61	16.97	0.06	1.4	0.05	1.10	12.9	30.5	1.33	936	1.00	2.23	7.5	43.3
018388	Soil	5.54	17.56	0.46	1.1	0.06	0.96	15.7	37.9	1.28	1046	1.22	2.35	6.7	41.3
018389	Soil	4.93	16.48	<0.05	1.0	0.06	1.03	14.2	29.8	1.26	1250	0.93	2.57	8.0	32.9
018390	Soil	5.18	15.95	<0.05	1.2	0.06	1.23	12.3	20.8	1.32	1047	0.85	2.29	6.6	30.4
018391	Soil	5.26	15.65	<0.05	1.0	0.05	0.88	12.0	11.0	1.35	948	0.69	2.42	6.5	31.6
018392	Soil	5.52	16.77	<0.05	1.1	0.06	0.98	12.0	23.3	1.30	1193	0.85	2.54	6.9	40.4
018393	Soil	6.84	17.57	<0.05	1.3	0.06	0.95	18.0	40.4	1.42	1624	1.91	2.43	6.8	37.3
018394	Soil	5.17	15.93	0.13	0.9	0.06	0.83	9.8	32.0	1.36	652	0.99	2.44	5.9	36.5
018395	Soil	5.50	16.49	0.09	1.1	0.06	0.91	18.8	27.9	1.18	804	1.36	2.13	6.3	33.0
018396	Soil	6.06	18.04	0.14	1.2	0.06	0.80	14.3	32.6	1.18	645	1.62	2.11	7.1	35.9
018397	Soil	5.76	16.61	0.08	1.2	0.06	1.00	14.7	28.1	1.52	1993	0.82	2.51	6.9	31.8
018398	Soil	6.02	16.54	0.13	0.9	0.06	1.02	15.3	31.4	1.31	1263	2.42	2.33	6.8	60.7
018399	Soil	5.65	16.88	0.17	0.9	0.06	0.85	13.2	49.9	1.34	698	1.14	2.46	6.5	34.9
018400	Soil	6.08	18.00	<0.05	1.1	0.06	0.86	16.4	72.1	1.40	934	0.97	2.42	7.2	42.1
018401	Soil	5.47	16.65	<0.05	0.9	0.05	0.97	13.3	25.8	1.21	1129	1.13	2.61	7.4	31.6
018402	Soil	5.32	16.67	<0.05	1.0	0.05	0.95	13.0	29.0	1.15	1295	1.03	2.46	7.0	32.1
018403	Soil	4.93	16.43	0.12	0.9	0.06	0.90	18.3	25.0	0.98	4915	1.31	2.13	6.9	27.4
018404	Soil	5.58	16.95	<0.05	1.2	0.07	1.02	14.4	30.0	1.29	1054	1.01	2.32	7.5	39.5
018406	Soil	5.29	17.39	<0.05	0.8	0.05	0.99	13.7	25.7	1.30	916	1.09	2.50	6.8	28.8
018407	Soil	5.42	16.37	<0.05	0.9	0.05	0.95	14.4	32.0	1.25	721	1.85	2.30	6.3	33.3
018408	Soil	5.29	16.38	<0.05	0.8	0.06	0.91	13.8	31.9	1.19	704	1.78	2.14	6.2	33.5
018409	Soil	6.28	18.37	0.08	1.1	0.06	0.97	15.0	32.1	1.58	975	1.15	2.20	7.2	42.0
018410	Soil	6.89	19.42	0.56	1.0	0.07	0.94	15.0	51.8	1.34	3937	0.78	2.11	7.2	44.5
018411	Soil	6.09	18.76	0.10	0.8	0.07	1.14	15.5	30.9	1.14	2562	0.75	2.18	7.5	31.0



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Sample Description	Sample Type	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
		50-4A-UT %	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT %	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT %	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT %	50-4A-UT ppm
018412	Soil	5.79	17.07	<0.05	1.1	0.07	0.91	15.0	67.6	1.39	1707	1.09	2.08	6.9	53.6
018413	Soil	5.12	17.14	0.10	1.0	0.06	1.04	15.9	26.9	1.45	1679	0.79	2.55	7.6	29.5
018414	Soil	4.74	15.69	0.09	1.0	0.06	1.14	13.7	20.4	1.46	1011	0.81	2.59	7.1	32.3
018415	Soil	5.19	16.33	0.93	1.1	0.05	1.17	14.6	23.6	1.33	986	0.95	2.56	7.0	28.0
018416	Soil	6.61	16.45	1.24	1.2	0.06	0.92	13.1	34.2	1.47	797	1.56	2.27	6.8	36.9
018417	Soil	4.46	17.07	<0.05	1.3	0.06	1.20	18.7	24.4	1.27	759	1.36	2.58	6.5	36.0
018418	Soil	4.97	17.05	1.31	1.1	0.06	1.33	13.1	23.7	1.22	820	1.03	2.41	6.3	33.2
018419	Soil	4.94	17.23	1.26	0.9	0.06	1.08	14.3	25.9	1.24	778	0.92	2.75	7.0	23.5
018420	Soil	5.75	18.05	0.24	1.2	0.06	0.87	20.2	58.5	1.43	822	1.17	2.44	6.8	36.5
018011	Rock	7.60	13.41	0.30	0.7	0.07	0.03	4.2	4.2	2.65	1445	0.81	0.54	1.3	17.6
018057	Rock	11.62	25.23	1.24	1.8	0.13	0.82	21.0	4.3	2.00	1756	0.81	2.08	22.2	24.2
018058	Rock	7.55	33.27	0.75	1.5	0.13	0.69	51.2	2.6	0.16	1094	1.62	4.55	47.6	2.3
018059	Rock	11.11	40.48	2.01	1.3	0.14	0.38	44.6	3.9	0.20	973	1.84	2.76	38.5	2.9
018060	Rock	12.72	41.19	2.15	1.1	0.30	0.54	41.1	5.5	0.23	1241	2.22	1.93	34.9	3.6
018061	Rock	19.42	33.01	1.56	1.4	0.21	0.86	20.3	9.3	1.76	3384	1.75	1.58	28.3	11.1
018062	Rock	14.26	25.92	1.41	1.7	0.17	0.86	21.5	6.5	1.88	2647	1.25	2.19	24.3	10.5
018063	Rock	12.92	29.73	0.34	1.7	0.15	0.41	26.5	5.5	1.44	2240	1.69	2.74	28.1	8.0
018064	Rock	9.68	19.06	0.07	0.4	0.06	0.58	5.9	10.4	3.88	1318	0.52	3.06	2.7	66.1



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#200 - 11620 Horseshoe Way

Richmond, British Columbia V7A 4V5  
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# Certificate of Analysis

## 11-360-03707-01

Mineral Exploration Consulting

6552 Peregrine Road,

Nanaimo, BC V9V 1P8

Sample Description	Sample Type	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	
		50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT
		ppm 10	ppm 0.5	ppm 0.1	ppm 0.002	% 0.01	ppm 0.05	ppm 0.1	ppm 1.0	ppm 0.2	ppm 0.2	ppm 0.05	ppm 0.05	ppm 0.2	ppm 0.005	
018201	Soil	922	14.8	26.6	0.002	0.031	0.77	15.1	1.8	1.3	270.7	0.99	0.20	2.4	0.517	
018202	Soil	601	16.6	26.3	0.003	0.037	0.62	17.2	1.2	1.4	281.1	0.54	0.32	2.8	0.535	
018203	Soil	359	9.7	19.6	0.002	0.033	0.53	16.0	1.1	1.1	286.2	0.47	0.17	1.9	0.556	
018204	Soil	449	9.7	25.6	0.002	0.030	0.51	15.8	1.0	1.2	274.4	0.51	0.12	2.4	0.513	
018205	Soil	431	9.7	30.3	<0.002	0.026	0.53	16.3	1.6	1.4	263.4	0.52	0.08	2.7	0.542	
018206	Soil	411	12.0	29.1	0.002	0.029	0.59	14.4	1.6	1.2	259.0	0.49	0.15	2.2	0.490	
018207	Soil	1187	11.2	32.9	0.005	0.030	0.47	14.6	1.3	1.3	256.5	0.47	0.17	2.2	0.516	
018208	Soil	856	12.6	24.3	<0.002	0.043	0.59	15.8	1.0	1.1	249.6	0.45	0.23	2.3	0.471	
018209	Soil	3085	22.5	39.9	0.002	0.039	0.72	13.1	<1.0	1.9	181.9	0.50	0.15	3.0	0.512	
018210	Soil	965	11.9	27.9	<0.002	0.043	0.66	15.9	1.3	1.2	218.7	0.44	0.19	3.2	0.472	
018211	Soil	1801	11.8	25.5	0.002	0.038	0.65	14.1	<1.0	1.6	189.2	0.54	0.12	3.2	0.529	
018212	Soil	789	20.8	27.1	<0.002	0.029	0.59	14.5	1.2	1.1	231.9	0.54	0.05	3.1	0.468	
018213	Soil	510	12.1	28.7	0.003	0.031	0.50	15.1	1.1	1.3	252.8	0.50	0.17	3.0	0.508	
018214	Soil	1417	10.9	40.5	<0.002	0.028	0.59	11.9	1.4	1.5	190.0	0.32	0.42	3.1	0.333	
018215	Soil	1813	11.8	30.8	0.003	0.033	0.58	15.5	1.6	1.4	224.7	0.48	0.21	2.8	0.465	
018216	Soil	637	13.1	30.2	0.002	0.036	0.55	16.4	<1.0	1.3	287.8	0.42	0.11	2.2	0.490	
018217	Soil	3482	17.7	31.5	0.002	0.050	0.70	13.4	<1.0	1.8	206.2	0.48	0.18	2.2	0.454	
018218	Soil	546	21.7	25.1	0.003	0.036	0.65	15.4	<1.0	1.4	247.8	0.46	0.22	2.5	0.476	
018219	Soil	358	9.5	20.4	0.004	0.026	0.48	17.3	1.2	1.1	262.3	0.43	0.10	3.0	0.470	
018220	Soil	1064	11.6	33.0	0.003	0.034	0.60	15.9	2.2	1.4	260.9	0.56	0.19	2.8	0.478	
018221	Soil	2004	16.1	34.0	0.003	0.034	0.48	15.5	2.1	1.2	286.2	0.53	0.12	2.5	0.487	
018222	Soil	599	10.4	37.8	0.003	0.039	0.47	16.3	2.0	1.3	242.4	0.49	0.25	3.3	0.437	
018223	Soil	893	11.5	27.9	<0.002	0.036	0.76	18.9	1.0	1.3	246.4	0.49	0.18	3.4	0.446	
018224	Soil	636	15.8	31.3	0.002	0.051	0.86	14.6	1.3	1.4	208.9	0.45	0.29	3.4	0.407	
018225	Soil	797	17.1	30.3	<0.002	0.069	0.68	14.5	1.7	1.2	230.9	0.41	0.13	2.4	0.395	
018226	Soil	815	11.3	26.6	0.004	0.043	0.75	17.1	2.1	1.2	230.9	0.47	0.29	3.6	0.443	
018227	Soil	911	14.9	33.2	0.003	0.035	0.71	18.3	2.8	1.4	296.7	0.51	0.21	3.0	0.458	
018228	Soil	788	11.1	36.6	0.004	0.033	0.57	16.3	1.3	1.8	274.4	0.62	0.29	2.9	0.500	
018229	Soil	568	10.4	20.6	0.004	0.058	0.73	15.8	3.4	1.4	239.1	0.47	0.11	2.7	0.432	
018230	Soil	2380	14.1	39.9	<0.002	0.038	0.98	15.4	2.1	1.6	241.6	0.48	0.34	3.4	0.435	
018231	Soil	3420	17.0	45.1	0.002	0.063	0.91	12.4	1.9	1.6	158.9	0.40	0.64	5.6	0.329	
018232	Soil	3965	11.1	27.6	<0.002	0.068	0.51	15.2	1.4	1.2	251.7	0.51	0.13	2.8	0.448	
018233	Soil	688	12.3	29.3	0.003	0.033	0.59	16.3	<1.0	1.2	269.4	0.49	0.05	2.8	0.455	
018234	Soil	667	9.9	23.7	0.003	0.042	0.47	20.8	1.5	1.0	282.8	0.45	0.20	3.2	0.453	
018235	Soil	3288	103.9	39.9	<0.002	0.036	0.72	13.3	1.7	1.1	216.2	0.57	0.30	3.3	0.347	
018236	Soil	426	15.9	30.9	<0.002	0.040	0.57	15.3	2.1	1.3	262.4	0.60	0.10	2.4	0.455	
018237	Soil	568	16.0	26.7	0.005	0.055	0.63	16.3	3.2	1.3	238.8	0.53	0.16	2.7	0.404	
018238	Soil	495	9.9	32.1	0.004	0.029	0.41	16.0	<1.0	1.2	252.4	0.51	0.05	2.9	0.447	
018239	Soil	2848	12.1	35.3	<0.002	0.036	0.41	16.5	1.5	1.2	263.8	0.48	<0.05	2.7	0.460	
018240	Soil	453	20.6	21.6	<0.002	0.053	0.72	14.9	1.4	1.3	259.6	0.47	0.18	2.2	0.459	





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6552 Peregrine Road,

Nanaimo, BC V9V 1P8

Sample Description	Sample Type	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
		50-4A-UT ppm 10	50-4A-UT ppm 0.5	50-4A-UT ppm 0.1	50-4A-UT ppm 0.002	50-4A-UT % 0.01	50-4A-UT ppm 0.05	50-4A-UT ppm 0.1	50-4A-UT ppm 1.0	50-4A-UT ppm 0.2	50-4A-UT ppm 0.2	50-4A-UT ppm 0.05	50-4A-UT ppm 0.05	50-4A-UT ppm 0.2	50-4A-UT ppm 0.005
018241	Soil	691	12.3	29.2	0.003	0.033	0.50	15.6	1.5	1.3	281.9	0.54	0.26	2.5	0.500
018242	Soil	1415	12.1	22.2	0.002	0.032	0.52	14.8	<1.0	1.3	258.2	0.49	0.14	2.6	0.445
018243	Soil	958	13.2	25.0	<0.002	0.033	0.53	14.6	1.1	1.1	267.2	0.48	0.07	2.3	0.454
018244	Soil	632	14.0	26.9	<0.002	0.034	0.57	13.8	<1.0	1.3	243.7	0.51	0.10	2.3	0.457
018245	Soil	2538	14.4	33.3	<0.002	0.032	0.59	14.0	2.3	1.2	229.4	0.49	<0.05	2.6	0.463
018246	Soil	772	9.9	21.4	<0.002	0.050	0.41	17.9	1.8	1.2	308.3	0.46	0.07	2.7	0.421
018247	Soil	471	11.2	26.6	0.002	0.038	0.47	16.9	1.8	1.2	301.8	0.50	0.10	2.7	0.419
018248	Soil	701	10.7	33.5	0.004	0.031	0.37	18.2	2.0	1.2	314.3	0.65	0.12	3.2	0.500
018249	Soil	1049	9.5	30.0	<0.002	0.037	0.43	15.3	1.9	1.3	249.8	0.57	<0.05	2.7	0.448
018250	Soil	594	11.3	33.6	<0.002	0.037	0.56	15.6	1.5	1.3	256.0	0.53	0.16	2.6	0.455
018301	Soil	786	11.9	31.4	0.002	0.029	0.51	17.4	1.5	1.6	267.0	0.59	0.17	2.6	0.550
018302	Soil	1485	11.9	25.7	<0.002	0.026	0.59	13.8	<1.0	1.4	245.9	0.54	0.07	2.4	0.456
018303	Soil	692	13.4	30.7	<0.002	0.027	0.64	16.5	<1.0	1.5	241.7	0.50	0.24	3.0	0.504
018304	Soil	4907	11.7	32.1	0.002	0.037	0.53	13.3	<1.0	1.3	181.5	0.40	0.38	2.4	0.428
018305	Soil	1632	11.5	25.6	<0.002	0.059	0.69	14.4	1.1	1.1	187.6	0.44	0.16	2.9	0.405
018306	Soil	1033	11.3	24.7	0.002	0.035	0.55	15.2	<1.0	1.0	238.3	0.49	0.06	2.8	0.460
018307	Soil	1810	12.0	28.8	<0.002	0.030	0.59	13.4	<1.0	1.2	261.2	0.60	0.10	3.2	0.492
018308	Soil	4229	16.3	28.5	0.003	0.049	0.67	17.1	2.3	1.3	204.9	0.50	0.14	3.0	0.493
018309	Soil	1053	8.5	24.9	0.003	0.037	0.41	15.3	<1.0	1.1	235.2	0.47	<0.05	2.4	0.552
018310	Soil	368	9.2	19.8	0.003	0.037	0.39	16.2	<1.0	1.1	258.5	0.51	0.27	2.4	0.513
018311	Soil	659	11.0	24.7	<0.002	0.035	0.42	14.8	1.1	1.1	237.8	0.48	0.05	2.6	0.490
018312	Soil	1097	9.8	25.1	0.006	0.034	1.08	15.8	<1.0	1.3	261.5	0.53	0.05	5.0	0.465
018313	Soil	810	9.2	29.0	<0.002	0.031	0.44	15.2	<1.0	1.2	247.4	0.54	0.06	2.9	0.501
018314	Soil	978	8.6	28.5	<0.002	0.027	0.45	15.5	1.1	1.1	268.0	0.52	0.13	2.4	0.480
018315	Soil	2427	17.0	35.1	0.004	0.050	0.79	21.0	1.5	2.0	202.6	0.52	0.13	2.3	0.558
018316	Soil	836	8.8	29.5	<0.002	0.027	0.46	15.5	1.3	1.0	289.2	0.55	0.15	2.5	0.476
018317	Soil	759	16.5	27.7	0.004	0.037	0.67	17.4	1.5	1.2	222.9	0.53	0.10	3.1	0.495
018318	Soil	1379	10.4	25.8	<0.002	0.042	0.52	14.9	<1.0	1.2	201.2	0.48	0.08	3.0	0.466
018319	Soil	770	12.2	27.5	0.002	0.032	0.65	16.3	1.5	1.1	239.2	0.64	0.20	2.8	0.476
018320	Soil	579	15.5	26.4	0.003	0.047	0.58	16.1	2.2	1.6	247.5	0.54	0.14	2.6	0.466
018321	Soil	465	11.4	26.9	0.004	0.031	0.45	15.6	1.4	1.3	274.9	0.60	0.07	2.5	0.481
018322	Soil	1218	11.6	38.3	<0.002	0.045	0.68	16.2	1.4	1.7	192.2	0.56	0.33	3.9	0.449
018323	Soil	1076	12.8	44.3	0.005	0.053	0.61	18.4	1.9	1.3	207.6	0.43	0.26	5.0	0.317
018324	Soil	2708	10.4	39.6	0.003	0.033	0.53	16.6	1.0	1.4	298.3	0.67	0.23	3.3	0.506
018325	Soil	645	10.3	53.3	0.004	0.031	0.71	11.8	1.3	2.2	181.8	0.48	0.26	3.5	0.352
018326	Soil	6338	8.6	27.5	<0.002	0.035	0.41	16.6	2.0	1.1	288.9	0.63	0.07	2.8	0.478
018327	Soil	322	12.5	28.7	<0.002	0.031	0.51	16.9	1.3	1.9	276.8	0.55	0.08	2.1	0.488
018328	Soil	588	13.2	24.2	0.005	0.049	0.58	15.4	2.5	1.8	238.0	0.57	0.20	2.4	0.513
018329	Soil	522	13.4	29.4	0.002	0.038	0.52	17.3	1.1	2.1	271.4	0.59	0.14	2.7	0.499
018330	Soil	348	10.3	26.4	0.002	0.027	0.49	18.3	1.2	1.3	272.7	0.48	0.13	2.5	0.474



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Sample Description	Sample Type	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
		50-4A-UT ppm 10	50-4A-UT ppm 0.5	50-4A-UT ppm 0.1	50-4A-UT ppm 0.002	50-4A-UT % 0.01	50-4A-UT ppm 0.05	50-4A-UT ppm 0.1	50-4A-UT ppm 1.0	50-4A-UT ppm 0.2	50-4A-UT ppm 0.2	50-4A-UT ppm 0.05	50-4A-UT ppm 0.05	50-4A-UT ppm 0.2	50-4A-UT ppm 0.005
018331	Soil	2090	11.6	30.6	<0.002	0.048	0.54	15.9	1.1	1.5	247.2	0.48	0.10	2.4	0.464
018332	Soil	1111	17.0	33.6	0.002	0.034	0.57	16.2	1.8	1.6	276.8	0.59	0.09	2.6	0.493
018333	Soil	506	9.3	24.3	0.003	0.032	0.53	17.2	2.1	1.2	295.0	0.52	0.14	2.9	0.469
018334	Soil	985	13.2	31.7	0.004	0.034	0.50	20.9	2.0	1.6	284.4	0.54	0.12	2.8	0.505
018335	Soil	674	9.6	29.7	0.003	0.033	0.55	19.3	<1.0	1.4	271.5	0.53	<0.05	3.4	0.485
018336	Soil	415	11.5	30.1	<0.002	0.032	0.50	17.1	<1.0	1.9	257.9	0.50	0.10	2.4	0.489
018337	Soil	814	10.1	25.9	<0.002	0.033	0.51	15.8	<1.0	1.4	243.1	0.52	0.05	2.3	0.506
018338	Soil	998	14.6	32.9	0.002	0.035	0.53	16.9	<1.0	1.5	257.9	0.51	<0.05	2.8	0.488
018339	Soil	756	8.4	27.2	0.003	0.033	0.44	16.4	1.2	1.3	263.1	0.50	<0.05	2.4	0.482
018340	Soil	363	10.2	28.6	<0.002	0.026	0.50	16.0	1.4	1.5	263.6	0.48	0.06	2.1	0.472
018341	Soil	727	10.0	30.5	<0.002	0.032	0.50	17.7	<1.0	1.5	282.6	0.59	0.10	2.7	0.515
018342	Soil	818	13.7	20.7	<0.002	0.047	0.53	24.5	1.6	1.4	370.0	0.42	0.20	2.6	0.489
018343	Soil	1235	13.4	28.9	0.002	0.036	0.55	19.5	1.4	1.7	289.6	0.57	<0.05	2.8	0.505
018344	Soil	1084	13.0	32.9	0.002	0.033	0.56	18.7	<1.0	1.7	263.7	0.55	0.09	2.8	0.515
018345	Soil	1270	7.8	21.8	<0.002	0.026	0.49	17.7	<1.0	1.9	298.4	0.58	0.19	2.7	0.476
018346	Soil	537	9.5	34.4	0.002	0.034	0.52	19.0	1.7	1.5	302.6	0.63	0.22	2.7	0.514
018347	Soil	471	12.8	28.3	0.004	0.048	0.77	21.7	2.1	1.5	278.1	0.49	0.10	3.4	0.447
018348	Soil	533	13.8	27.2	<0.002	0.037	0.52	19.3	1.5	1.4	272.0	0.54	0.08	2.5	0.473
018349	Soil	1496	10.3	29.6	0.002	0.042	0.50	18.0	1.7	1.8	263.4	0.52	0.12	3.8	0.446
018350	Soil	2481	10.6	33.9	0.002	0.029	0.40	17.6	1.2	1.5	264.6	0.62	0.14	2.7	0.553
018351	Soil	506	9.7	23.3	<0.002	0.048	0.63	18.3	1.9	1.4	231.8	0.53	<0.05	3.1	0.452
018352	Soil	313	12.4	24.3	0.004	0.036	0.64	24.0	<1.0	1.5	240.7	0.49	0.08	4.5	0.468
018353	Soil	190	12.4	27.0	0.004	0.024	0.55	18.7	<1.0	1.8	274.5	0.66	0.11	2.8	0.479
018354	Soil	419	13.7	39.7	0.003	0.027	0.44	16.8	2.1	1.4	257.1	0.53	0.08	2.6	0.426
018355	Soil	396	10.0	32.0	<0.002	0.026	0.47	19.6	1.3	1.4	287.7	0.61	0.06	3.7	0.490
018356	Soil	632	9.9	28.3	0.002	0.041	0.38	18.6	1.2	1.2	263.0	0.51	0.12	2.8	0.469
018357	Soil	353	11.2	25.9	<0.002	0.032	0.44	19.2	1.5	1.3	270.9	0.57	0.10	3.0	0.477
018358	Soil	491	10.7	22.2	0.004	0.035	0.53	17.2	<1.0	1.4	257.4	0.54	0.12	2.7	0.478
018359	Soil	595	12.0	28.7	0.003	0.043	0.52	19.4	1.2	1.3	256.7	0.47	0.14	2.9	0.431
018360	Soil	439	11.7	26.3	0.004	0.028	0.49	19.1	<1.0	1.4	277.6	0.57	0.11	3.4	0.486
018361	Soil	327	16.2	21.2	0.003	0.040	0.54	17.5	<1.0	1.5	223.3	0.46	0.11	3.3	0.452
018362	Soil	295	13.8	19.3	<0.002	0.034	0.61	19.5	1.4	1.5	248.3	0.51	0.09	3.4	0.473
018363	Soil	321	10.3	20.1	<0.002	0.033	0.49	19.1	<1.0	1.3	278.1	0.51	<0.05	3.0	0.489
018364	Soil	391	15.6	14.6	0.003	0.040	0.75	18.0	<1.0	1.6	236.0	0.54	0.20	3.1	0.508
018365	Soil	351	11.7	14.1	<0.002	0.046	0.53	18.7	1.8	1.3	214.6	0.61	<0.05	4.1	0.485
018366	Soil	746	13.1	25.9	0.005	0.057	0.53	20.3	1.3	2.6	261.9	0.50	0.19	3.5	0.444
018367	Soil	337	13.3	25.1	0.002	0.037	0.56	19.3	1.7	1.7	285.2	0.58	0.14	2.9	0.532
018368	Soil	457	15.4	18.4	0.005	0.044	0.51	16.3	1.2	1.7	242.9	0.53	<0.05	3.0	0.458
018369	Soil	974	10.8	30.5	<0.002	0.030	0.48	20.5	1.6	2.3	300.9	0.61	0.08	3.1	0.480
018370	Soil	423	10.3	19.9	<0.002	0.038	0.43	19.3	1.9	1.9	263.3	0.56	<0.05	3.0	0.498



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#200 - 11620 Horseshoe Way

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## 11-360-03707-01

Mineral Exploration Consulting

6552 Peregrine Road,

Nanaimo, BC V9V 1P8

Sample Description	Sample Type	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	
		50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT
		ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
018371	Soil	627	19.7	30.4	0.004	0.044	0.57	18.2	1.3	1.5	236.6	0.51	0.60	3.0	0.468	
018372	Soil	1324	9.7	25.3	0.003	0.030	0.50	18.6	<1.0	1.4	273.2	0.52	<0.05	2.7	0.481	
018373	Soil	751	9.1	19.6	0.004	0.035	0.44	18.3	<1.0	1.5	250.3	0.45	0.07	2.6	0.398	
018374	Soil	1372	9.4	20.9	<0.002	0.030	0.43	17.9	<1.0	1.4	275.1	0.56	0.12	2.8	0.470	
018375	Soil	655	10.8	34.5	<0.002	0.023	0.44	16.7	<1.0	1.6	271.8	0.60	0.13	2.9	0.517	
018376	Soil	641	10.3	26.8	0.004	0.034	0.41	18.6	<1.0	1.4	275.3	0.59	<0.05	3.0	0.486	
018377	Soil	891	11.4	30.9	<0.002	0.041	0.40	18.8	1.4	1.5	268.7	0.51	<0.05	3.2	0.489	
018378	Soil	430	14.5	28.9	0.004	0.027	0.45	18.5	1.5	1.5	300.1	0.58	0.08	3.4	0.509	
018379	Soil	932	20.4	28.0	0.004	0.032	0.67	16.9	<1.0	1.3	243.2	0.47	0.36	2.9	0.404	
018380	Soil	1250	9.4	22.8	<0.002	0.029	0.52	15.6	<1.0	1.3	264.6	0.48	0.09	2.5	0.435	
018381	Soil	636	11.8	23.5	0.003	0.038	0.82	17.7	<1.0	1.3	235.7	0.40	0.06	2.2	0.375	
018382	Soil	346	9.5	20.2	0.004	0.034	1.81	18.0	1.9	1.6	265.2	0.55	0.07	3.4	0.469	
018383	Soil	385	9.0	23.1	0.002	0.033	0.54	18.8	<1.0	1.6	271.7	0.63	0.13	3.0	0.534	
018384	Soil	524	9.9	24.5	0.005	0.037	0.51	18.5	<1.0	1.5	295.8	0.60	0.14	5.0	0.498	
018385	Soil	1700	9.9	29.0	0.003	0.030	0.59	17.1	<1.0	1.5	276.7	0.64	0.17	2.9	0.478	
018386	Soil	396	10.1	28.3	0.002	0.023	0.45	20.3	1.1	2.2	259.1	0.52	<0.05	3.3	0.502	
018387	Soil	851	13.1	33.6	0.003	0.035	0.55	16.7	1.0	1.4	261.2	0.64	<0.05	3.2	0.463	
018388	Soil	445	11.6	29.6	<0.002	0.034	0.50	19.4	1.6	1.9	258.1	0.56	0.08	3.0	0.463	
018389	Soil	463	13.6	32.9	<0.002	0.028	0.53	16.3	<1.0	1.7	296.6	0.57	0.12	2.5	0.542	
018390	Soil	701	11.1	31.0	0.002	0.033	0.48	15.7	<1.0	1.5	262.4	0.51	<0.05	2.7	0.459	
018391	Soil	554	9.2	19.8	0.002	0.039	0.42	16.6	<1.0	1.3	296.4	0.43	0.11	2.1	0.527	
018392	Soil	751	15.4	24.5	<0.002	0.038	0.53	15.4	<1.0	1.6	279.1	0.51	<0.05	2.4	0.510	
018393	Soil	441	13.3	25.5	0.004	0.037	0.64	19.4	1.4	1.4	256.1	0.50	0.09	4.0	0.471	
018394	Soil	197	9.5	16.8	0.003	0.024	0.42	15.1	<1.0	1.5	238.8	0.45	<0.05	2.1	0.435	
018395	Soil	608	13.9	25.8	0.004	0.065	0.59	18.1	1.7	1.5	252.6	0.42	0.09	3.3	0.425	
018396	Soil	429	12.1	23.2	0.006	0.043	0.52	16.7	<1.0	1.6	247.7	0.48	<0.05	3.5	0.469	
018397	Soil	2847	10.8	30.3	0.003	0.035	0.46	19.0	1.3	1.5	293.4	0.50	0.06	3.0	0.489	
018398	Soil	758	11.9	28.1	0.004	0.046	0.50	16.3	<1.0	1.4	261.5	0.43	0.09	2.9	0.465	
018399	Soil	423	10.9	18.4	<0.002	0.044	0.54	16.3	<1.0	1.6	277.8	0.48	<0.05	6.1	0.441	
018400	Soil	284	12.5	23.5	0.005	0.029	0.59	19.3	1.5	1.7	287.9	0.51	0.24	3.5	0.486	
018401	Soil	586	11.5	29.0	<0.002	0.034	0.59	15.5	<1.0	1.5	278.5	0.49	0.14	2.4	0.492	
018402	Soil	455	10.6	30.1	<0.002	0.037	0.50	14.7	<1.0	1.4	258.7	0.49	0.06	2.7	0.493	
018403	Soil	3852	11.7	33.7	0.003	0.052	0.51	14.9	1.2	1.4	243.4	0.46	0.07	2.9	0.405	
018404	Soil	1600	12.7	34.5	0.004	0.032	0.56	16.9	<1.0	1.5	261.2	0.54	0.08	3.2	0.475	
018406	Soil	308	49.4	25.9	<0.002	0.037	0.47	16.9	<1.0	1.4	312.0	0.46	0.12	2.4	0.465	
018407	Soil	386	11.7	22.4	<0.002	0.040	0.43	15.9	<1.0	4.5	263.3	0.41	0.07	2.6	0.423	
018408	Soil	378	10.5	21.9	<0.002	0.041	0.40	15.1	2.0	1.4	253.2	0.41	<0.05	2.4	0.415	
018409	Soil	603	11.0	30.2	<0.002	0.042	0.54	17.8	1.6	1.6	285.8	0.50	<0.05	3.1	0.470	
018410	Soil	2365	12.2	35.0	<0.002	0.038	0.49	18.2	<1.0	1.5	267.3	0.51	0.06	3.2	0.496	
018411	Soil	1440	13.4	32.4	0.003	0.043	0.47	16.2	1.7	1.6	266.2	0.49	0.12	2.7	0.477	



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## 11-360-03707-01

Mineral Exploration Consulting

6552 Peregrine Road,

Nanaimo, BC V9V 1P8

Sample Description	Sample Type	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
		50-4A-UT ppm 10	50-4A-UT ppm 0.5	50-4A-UT ppm 0.1	50-4A-UT ppm 0.002	50-4A-UT % 0.01	50-4A-UT ppm 0.05	50-4A-UT ppm 0.1	50-4A-UT ppm 1.0	50-4A-UT ppm 0.2	50-4A-UT ppm 0.2	50-4A-UT ppm 0.05	50-4A-UT ppm 0.05	50-4A-UT ppm 0.2	50-4A-UT ppm 0.005
018412	Soil	709	16.6	26.0	<0.002	0.042	0.63	19.7	2.1	1.5	254.0	0.47	<0.05	3.1	0.480
018413	Soil	1735	9.1	28.2	<0.002	0.032	0.40	17.3	<1.0	1.4	315.1	0.52	0.08	2.9	0.478
018414	Soil	1863	10.2	28.9	0.002	0.030	0.43	17.3	<1.0	1.4	328.0	0.50	0.11	2.7	0.431
018415	Soil	470	16.0	26.4	<0.002	0.034	0.55	15.2	<1.0	1.4	286.6	0.51	0.08	3.2	0.459
018416	Soil	487	9.3	23.8	<0.002	0.039	0.47	17.6	1.0	1.5	272.7	0.47	0.05	4.1	0.473
018417	Soil	398	14.7	32.0	<0.002	0.028	0.59	17.8	<1.0	1.9	293.8	0.48	0.08	4.5	0.428
018418	Soil	281	15.2	34.0	<0.002	0.024	0.77	14.6	<1.0	1.7	271.6	0.43	0.12	2.8	0.443
018419	Soil	192	10.4	26.4	<0.002	0.025	0.48	15.7	<1.0	1.8	291.0	0.45	<0.05	2.1	0.462
018420	Soil	243	14.4	20.9	0.002	0.031	1.01	20.1	3.0	1.9	289.5	0.44	0.09	3.4	0.475
018011	Rock	443	10.1	1.0	<0.002	0.118	0.62	35.3	<1.0	1.4	316.6	0.09	0.38	0.6	0.399
018057	Rock	2013	5.4	27.1	0.005	0.033	0.38	28.5	<1.0	2.7	239.9	1.59	<0.05	2.3	1.330
018058	Rock	448	3.5	9.1	0.006	0.014	0.12	7.9	2.1	1.5	127.8	2.69	<0.05	5.7	0.345
018059	Rock	295	2.8	5.0	0.002	0.014	0.17	7.1	1.1	3.5	58.0	2.21	0.20	5.7	0.243
018060	Rock	329	3.7	7.1	0.006	0.087	0.22	8.6	<1.0	4.5	48.3	2.22	0.36	5.7	0.265
018061	Rock	1882	3.2	8.8	0.008	<0.01	0.35	36.1	1.4	3.0	51.7	1.66	0.57	1.8	2.997
018062	Rock	2010	4.6	28.4	0.009	0.021	0.24	33.8	<1.0	2.6	203.3	1.53	0.15	1.8	2.061
018063	Rock	1875	4.5	11.5	0.008	0.029	0.23	27.8	1.3	2.5	259.9	1.64	0.24	2.3	1.677
018064	Rock	643	4.8	9.8	0.003	0.020	0.26	29.7	<1.0	0.7	152.0	0.26	0.12	0.5	0.370



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**11-360-03707-01**

Mineral Exploration Consulting

6552 Peregrine Road,

Nanaimo, BC V9V 1P8

Sample Description	Sample Type	Tl	U	V	W	Y	Zn	Zr
		50-4A-UT ppm 0.02	50-4A-UT ppm 0.1	50-4A-UT ppm 1	50-4A-UT ppm 0.1	50-4A-UT ppm 0.1	50-4A-UT ppm 2	50-4A-UT ppm 0.5
018201	Soil	0.18	0.8	251	0.7	11.3	283	27.4
018202	Soil	0.16	1.1	258	0.5	13.8	84	36.4
018203	Soil	0.13	0.7	261	0.5	11.4	162	27.0
018204	Soil	0.13	0.9	239	0.5	11.4	71	27.8
018205	Soil	0.17	1.1	260	0.5	12.9	76	30.9
018206	Soil	0.14	0.9	244	0.5	11.3	69	29.4
018207	Soil	0.19	0.9	232	0.5	10.9	112	28.3
018208	Soil	0.14	1.0	272	0.5	12.0	83	25.9
018209	Soil	0.23	1.0	224	0.7	10.8	153	30.7
018210	Soil	0.16	1.1	234	0.6	12.1	78	38.3
018211	Soil	0.19	1.0	255	0.6	10.5	97	36.5
018212	Soil	0.21	1.3	256	0.6	11.5	270	164.8
018213	Soil	0.19	1.1	278	0.5	12.1	2263	31.1
018214	Soil	0.23	1.1	193	0.5	8.6	119	34.0
018215	Soil	0.18	1.0	257	0.5	11.6	110	27.0
018216	Soil	0.15	1.0	266	0.5	11.7	93	29.1
018217	Soil	0.26	0.8	179	0.4	14.9	252	23.5
018218	Soil	0.18	1.3	243	0.6	14.2	896	24.3
018219	Soil	0.14	1.4	244	0.5	17.1	319	31.8
018220	Soil	0.21	1.2	257	0.6	12.2	138	29.5
018221	Soil	0.21	1.0	246	0.5	13.0	136	25.9
018222	Soil	0.23	1.5	254	0.5	20.6	86	30.3
018223	Soil	0.17	1.2	284	0.6	13.9	92	29.8
018224	Soil	0.21	1.4	235	0.5	13.4	86	28.5
018225	Soil	0.15	1.2	232	0.4	15.0	96	21.0
018226	Soil	0.19	1.6	270	0.6	13.6	80	36.2
018227	Soil	0.17	1.4	282	0.5	15.3	81	41.4
018228	Soil	0.21	1.1	291	0.7	13.1	96	29.8
018229	Soil	0.19	2.1	230	0.6	16.6	53	24.3
018230	Soil	0.21	1.1	249	0.7	12.1	113	30.5
018231	Soil	0.29	2.0	204	0.7	16.1	190	41.2
018232	Soil	0.17	1.2	225	0.5	13.2	74	23.7
018233	Soil	0.18	1.1	280	0.6	11.2	118	27.5
018234	Soil	0.13	1.5	315	0.6	16.2	91	30.6
018235	Soil	0.24	1.3	252	0.7	13.6	720	27.0
018236	Soil	0.16	1.2	255	0.6	14.5	351	24.7
018237	Soil	0.17	1.4	256	0.7	32.1	250	25.3
018238	Soil	0.16	1.3	265	0.6	13.9	113	28.2
018239	Soil	0.17	1.2	230	0.5	14.0	146	24.7
018240	Soil	0.14	0.9	238	0.4	12.2	76	26.4



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6552 Peregrine Road,

Nanaimo, BC V9V 1P8

Sample Description	Sample Type	Tl	U	V	W	Y	Zn	Zr
		50-4A-UT ppm 0.02	50-4A-UT ppm 0.1	50-4A-UT ppm 1	50-4A-UT ppm 0.1	50-4A-UT ppm 0.1	50-4A-UT ppm 2	50-4A-UT ppm 0.5
018241	Soil	0.15	0.9	238	0.6	12.6	127	27.9
018242	Soil	0.13	0.9	223	0.5	12.4	110	25.9
018243	Soil	0.16	1.0	237	0.5	12.0	104	23.9
018244	Soil	0.15	0.9	249	0.5	11.3	228	25.8
018245	Soil	0.19	1.0	233	0.5	12.5	172	28.1
018246	Soil	0.13	1.4	260	0.4	17.2	78	25.1
018247	Soil	0.14	1.3	269	0.5	14.8	75	26.5
018248	Soil	0.19	1.3	281	0.6	15.2	293	28.2
018249	Soil	0.16	1.1	242	0.5	13.4	177	24.6
018250	Soil	0.18	0.9	252	0.6	13.3	110	24.3
018301	Soil	0.18	1.1	268	0.7	16.3	117	28.7
018302	Soil	0.21	1.0	239	0.5	10.2	118	25.7
018303	Soil	0.23	1.2	261	0.6	12.1	125	31.1
018304	Soil	0.22	1.0	182	0.5	9.5	121	24.5
018305	Soil	0.17	1.4	235	0.5	13.7	97	29.1
018306	Soil	0.16	1.3	241	0.6	14.4	150	29.6
018307	Soil	0.20	1.0	229	0.6	11.6	115	27.3
018308	Soil	0.20	1.5	233	0.6	15.0	170	29.1
018309	Soil	0.14	0.8	218	0.6	12.1	96	35.5
018310	Soil	0.12	1.1	270	0.5	12.0	79	27.0
018311	Soil	0.14	0.9	250	0.6	11.7	91	38.0
018312	Soil	0.12	1.6	205	1.4	11.5	79	38.6
018313	Soil	0.17	1.1	241	0.6	11.6	85	33.9
018314	Soil	0.17	1.0	233	0.5	12.8	122	31.2
018315	Soil	0.25	0.7	312	0.6	21.6	434	24.8
018316	Soil	0.16	1.1	248	0.6	13.6	116	30.6
018317	Soil	0.17	1.3	256	0.7	14.9	673	42.1
018318	Soil	0.17	1.1	252	0.7	11.0	100	36.0
018319	Soil	0.18	0.9	248	0.7	11.2	92	29.8
018320	Soil	0.15	1.1	230	0.6	14.5	122	27.8
018321	Soil	0.17	1.0	248	0.5	12.1	78	27.0
018322	Soil	0.27	1.6	247	0.7	14.4	112	33.3
018323	Soil	0.27	1.7	193	0.5	22.4	136	29.7
018324	Soil	0.19	1.3	232	0.6	13.7	173	28.7
018325	Soil	0.25	1.2	185	0.8	9.7	136	25.5
018326	Soil	0.12	1.2	240	0.6	13.5	104	28.4
018327	Soil	0.14	0.9	261	0.6	11.5	79	24.3
018328	Soil	0.15	1.5	250	0.6	17.3	104	23.3
018329	Soil	0.18	1.5	242	0.6	18.0	94	26.5
018330	Soil	0.15	1.2	241	0.5	15.4	84	27.4



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6552 Peregrine Road,

Nanaimo, BC V9V 1P8

Sample Description	Sample Type	Tl	U	V	W	Y	Zn	Zr
		50-4A-UT ppm 0.02	50-4A-UT ppm 0.1	50-4A-UT ppm 1	50-4A-UT ppm 0.1	50-4A-UT ppm 0.1	50-4A-UT ppm 2	50-4A-UT ppm 0.5
018331	Soil	0.17	1.0	223	0.5	12.4	169	26.0
018332	Soil	0.15	1.1	240	0.6	13.6	332	29.4
018333	Soil	0.14	1.1	249	0.5	13.3	77	27.3
018334	Soil	0.19	1.2	270	0.7	15.7	217	28.1
018335	Soil	0.19	1.8	265	0.6	25.7	139	29.9
018336	Soil	0.16	1.0	246	0.5	13.4	96	24.6
018337	Soil	0.16	1.0	223	0.5	12.6	112	27.4
018338	Soil	0.18	1.1	232	0.6	12.1	649	28.3
018339	Soil	0.14	1.0	236	0.5	12.8	85	27.6
018340	Soil	0.17	0.9	245	0.5	11.5	75	20.4
018341	Soil	0.15	1.2	241	0.6	14.5	101	30.2
018342	Soil	0.12	1.1	309	0.5	15.3	104	26.9
018343	Soil	0.16	1.3	266	0.6	18.2	115	29.2
018344	Soil	0.20	1.1	250	0.5	13.7	142	27.7
018345	Soil	0.15	1.3	253	0.5	13.9	89	25.8
018346	Soil	0.17	1.1	263	0.5	15.0	136	25.9
018347	Soil	0.20	1.6	277	0.5	18.0	68	27.2
018348	Soil	0.15	1.1	264	0.6	12.8	89	24.8
018349	Soil	0.18	1.5	238	0.5	16.7	87	29.6
018350	Soil	0.21	1.0	234	0.6	12.8	134	25.2
018351	Soil	0.20	1.4	253	0.6	17.2	60	25.0
018352	Soil	0.25	2.1	266	0.6	27.1	82	31.2
018353	Soil	0.18	1.1	238	0.6	13.2	111	26.1
018354	Soil	0.18	1.1	230	0.6	12.2	95	27.3
018355	Soil	0.20	1.4	271	0.7	14.8	109	28.8
018356	Soil	0.16	1.2	250	0.5	14.3	101	25.3
018357	Soil	0.16	1.1	258	0.6	12.5	98	24.9
018358	Soil	0.15	1.0	253	0.6	11.1	73	25.1
018359	Soil	0.15	1.1	257	0.5	14.3	82	25.6
018360	Soil	0.27	1.6	268	0.6	13.8	127	24.5
018361	Soil	0.24	1.3	238	0.8	12.5	116	27.1
018362	Soil	0.20	1.2	265	0.6	15.1	78	25.2
018363	Soil	0.18	1.4	288	0.7	16.9	85	24.1
018364	Soil	0.18	1.0	296	0.8	14.9	82	24.1
018365	Soil	0.16	1.5	271	0.6	14.9	64	21.9
018366	Soil	0.16	2.1	275	0.7	25.7	152	26.9
018367	Soil	0.18	1.4	301	1.7	13.8	314	24.6
018368	Soil	0.17	1.1	274	0.6	10.8	82	22.5
018369	Soil	0.17	1.3	281	0.5	20.1	104	24.6
018370	Soil	0.16	1.3	314	0.5	13.9	69	26.5



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#200 - 11620 Horseshoe Way

Richmond, British Columbia V7A 4V5  
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## 11-360-03707-01

Mineral Exploration Consulting

6552 Peregrine Road,

Nanaimo, BC V9V 1P8

Sample Description	Sample Type	Tl	U	V	W	Y	Zn	Zr
		50-4A-UT ppm 0.02	50-4A-UT ppm 0.1	50-4A-UT ppm 1	50-4A-UT ppm 0.1	50-4A-UT ppm 0.1	50-4A-UT ppm 2	50-4A-UT ppm 0.5
018371	Soil	0.19	1.1	301	0.6	14.6	134	26.7
018372	Soil	0.15	1.1	285	0.6	12.7	90	25.3
018373	Soil	0.17	1.3	286	0.5	14.5	73	22.2
018374	Soil	0.15	1.1	271	0.6	13.2	99	25.3
018375	Soil	0.19	1.2	264	0.7	12.1	93	30.3
018376	Soil	0.17	1.2	277	0.6	14.5	87	24.5
018377	Soil	0.18	1.4	262	0.6	17.2	108	25.1
018378	Soil	0.18	1.0	248	0.6	12.2	109	32.9
018379	Soil	0.21	1.3	245	0.6	12.7	148	30.3
018380	Soil	0.16	1.2	230	0.5	11.8	82	25.3
018381	Soil	0.16	0.9	278	0.4	10.7	108	20.0
018382	Soil	0.17	1.4	294	0.5	14.2	88	25.5
018383	Soil	0.17	1.4	297	0.6	13.4	89	23.6
018384	Soil	0.15	1.3	270	0.7	13.7	96	25.3
018385	Soil	0.17	1.1	234	0.6	14.1	167	25.6
018386	Soil	0.20	1.3	295	0.6	14.6	85	26.3
018387	Soil	0.18	1.3	252	0.6	13.5	114	27.0
018388	Soil	0.19	1.3	271	0.5	18.6	86	28.5
018389	Soil	0.17	1.0	239	0.5	12.5	107	26.6
018390	Soil	0.17	1.1	249	1.4	11.3	70	30.1
018391	Soil	0.11	0.7	267	0.4	12.0	68	27.5
018392	Soil	0.18	0.9	256	0.6	11.2	123	27.5
018393	Soil	0.22	1.8	309	0.7	19.3	91	33.5
018394	Soil	0.13	0.9	254	0.5	10.5	71	25.4
018395	Soil	0.17	2.0	237	0.5	22.3	81	28.5
018396	Soil	0.16	1.9	271	0.6	15.3	74	30.4
018397	Soil	0.15	1.1	256	0.5	12.9	172	27.3
018398	Soil	0.19	1.2	232	0.5	15.7	879	24.3
018399	Soil	0.16	1.3	274	0.5	14.4	76	22.7
018400	Soil	0.20	1.2	273	0.6	17.8	88	29.8
018401	Soil	0.14	0.9	248	0.5	11.8	106	24.6
018402	Soil	0.17	1.0	239	0.6	11.3	111	27.9
018403	Soil	0.21	1.3	189	0.5	14.6	303	23.1
018404	Soil	0.18	1.2	258	0.7	14.1	112	30.7
018406	Soil	0.14	1.0	264	0.4	10.9	88	18.7
018407	Soil	0.16	1.1	258	0.4	12.7	61	24.6
018408	Soil	0.18	1.2	254	0.4	12.4	59	20.8
018409	Soil	0.17	1.3	280	0.5	12.3	114	24.9
018410	Soil	0.22	1.1	279	0.6	13.6	197	25.4
018411	Soil	0.16	1.0	234	0.4	12.6	231	22.5





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**11-360-03707-01**

Mineral Exploration Consulting

6552 Peregrine Road,

Nanaimo, BC V9V 1P8

Sample Description	Sample Type	Tl	U	V	W	Y	Zn	Zr
		50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT
		ppm 0.02	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 2	ppm 0.5
018412	Soil	0.21	1.0	237	0.5	17.3	146	27.6
018413	Soil	0.17	1.1	242	0.5	12.9	107	24.7
018414	Soil	0.15	1.2	231	0.5	12.6	96	26.3
018415	Soil	0.17	1.2	245	0.5	11.3	82	33.5
018416	Soil	0.18	1.4	287	0.6	12.2	78	29.5
018417	Soil	0.25	1.4	225	0.6	15.5	72	34.8
018418	Soil	0.23	1.0	232	0.5	10.1	105	29.4
018419	Soil	0.14	0.9	250	0.5	11.1	69	22.5
018420	Soil	0.18	1.4	270	0.5	25.1	75	32.0
018011	Rock	<0.02	0.3	447	0.2	11.9	87	16.0
018057	Rock	0.16	0.4	517	0.7	46.8	146	29.5
018058	Rock	0.05	0.9	32	0.6	49.7	66	27.9
018059	Rock	0.03	0.9	24	0.7	32.4	97	30.7
018060	Rock	0.03	0.7	24	0.6	25.8	114	26.4
018061	Rock	0.05	0.4	473	0.9	27.4	232	39.5
018062	Rock	0.14	0.4	418	2.0	48.9	195	45.5
018063	Rock	0.06	0.4	317	1.3	49.8	173	42.1
018064	Rock	0.04	0.1	522	0.2	16.4	101	9.7



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6552 Peregrine Road,

Nanaimo, BC V9V 1P8

Sample Description	Sample Type	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
		Au-1AT-AA ppm 0.005	50-4A-UT ppm 0.01	50-4A-UT % 0.01	50-4A-UT ppm 0.2	50-4A-UT ppm 5	50-4A-UT ppm 0.05	50-4A-UT ppm 0.01	50-4A-UT % 0.01	50-4A-UT ppm 0.02	50-4A-UT ppm 0.01	50-4A-UT ppm 0.1	50-4A-UT ppm 1	50-4A-UT ppm 0.05	50-4A-UT ppm 0.2
018201	Soil		1.70	5.90	3.1	534	0.75	0.16	2.73	0.40	24.40	19.3	68	1.07	83.0
018201 Dup			1.82	5.80	2.9	508	0.80	0.17	2.62	0.36	25.74	17.7	70	1.06	78.4
QCV1105-02102-0002-BLK			0.01	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.01	<0.1	<1	<0.05	<0.2
STD-CDN-ME-8 expected			61.70												1030.0
STD-CDN-ME-8 result			62.33												1009.6
018219	Soil		0.18	6.14	3.4	411	0.88	0.10	2.13	0.26	45.14	16.5	75	1.13	184.7
018219 Dup			0.13	6.25	4.4	416	0.96	0.10	2.19	0.28	46.84	17.8	81	1.24	197.1
QCV1105-02102-0005-BLK			<0.01	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.01	<0.1	<1	<0.05	<0.2
STD-OREAS-45P-4A expected			0.32		13.4			0.21				122.0	1103		749.0
STD-OREAS-45P-4A result			0.33		12.4			0.21				123.9	1090		745.8
018237	Soil		0.47	5.93	11.5	404	0.69	0.18	2.22	1.37	52.98	21.1	71	1.79	195.9
018237 Dup			0.55	6.02	11.7	414	0.70	0.17	2.28	1.37	50.09	20.6	68	1.77	193.3
QCV1105-02102-0008-BLK			<0.01	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.01	<0.1	<1	<0.05	<0.2
STD-CDN-ME-8 expected			61.70												1030.0
STD-CDN-ME-8 result			61.31												1012.2
018305	Soil		0.38	5.98	9.1	444	0.76	0.24	1.83	0.28	35.74	18.5	67	1.54	222.7
018305 Dup			0.40	6.08	11.0	447	0.87	0.24	1.87	0.23	38.30	19.9	69	1.59	230.6
QCV1105-02102-0011-BLK			<0.01	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.01	<0.1	<1	<0.05	<0.2
STD-CDN-ME-8 expected			61.70												1030.0
STD-CDN-ME-8 result			58.71												1015.5
018323	Soil		0.54	6.72	8.0	655	1.52	0.63	2.17	0.50	64.34	28.8	71	2.28	271.0
018323 Dup			0.63	6.67	8.3	641	1.61	0.61	2.19	0.47	63.21	28.7	77	2.29	277.2
QCV1105-02102-0014-BLK			<0.01	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.01	<0.1	<1	<0.05	<0.2
STD-CDN-ME-8 expected			61.70												1030.0
STD-CDN-ME-8 result			59.43												1003.4
018341	Soil		0.16	5.91	7.0	435	0.91	0.13	2.40	0.12	35.28	18.4	81	1.41	39.6
018341 Dup			0.20	6.04	6.9	445	0.89	0.14	2.47	0.12	31.37	17.2	79	1.30	39.7
QCV1105-02102-0017-BLK			<0.01	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.01	<0.1	<1	<0.05	<0.2
STD-OREAS-45P-4A expected			0.32		13.4			0.21				122.0	1103		749.0
STD-OREAS-45P-4A result			0.32		12.9			0.22				121.1	1074		754.2
018359	Soil		0.23	5.82	11.4	428	1.10	0.14	2.40	0.22	34.39	20.0	77	1.28	71.6
018359 Dup			0.24	5.78	11.1	422	1.03	0.14	2.33	0.22	35.35	21.1	78	1.28	73.7
QCV1105-02102-0020-BLK			<0.01	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.01	<0.1	<1	<0.05	<0.2
STD-CDN-ME-8 expected			61.70												1030.0
STD-CDN-ME-8 result			59.82												1034.1
018377	Soil		0.19	6.25	4.3	437	1.11	0.14	2.43	0.14	36.16	21.9	80	1.78	47.9
018377 Dup			0.21	6.18	5.2	436	1.14	0.14	2.44	0.16	33.89	21.8	79	1.74	48.8
QCV1105-02102-0023-BLK			<0.01	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.01	<0.1	<1	<0.05	<0.2
STD-OREAS-45P-4A expected			0.32		13.4			0.21				122.0	1103		749.0
STD-OREAS-45P-4A result			0.34		13.4			0.21				120.4	1012		751.3



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Mineral Exploration Consulting

6552 Peregrine Road,

Nanaimo, BC V9V 1P8

		Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
		Au-1AT-AA	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT
Sample Description	Sample Type	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
		0.005	0.01	0.01	0.2	5	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
018395	Soil		0.43	6.12	18.7	387	1.31	0.15	2.10	0.45	39.44	18.9	83	1.38	144.8
018395 Dup			0.45	6.04	20.2	377	1.44	0.17	2.03	0.44	39.87	19.0	78	1.34	138.9
QCV1105-02102-0026-BLK			<0.01	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.01	<0.1	<1	<0.05	<0.2
STD-CDN-ME-8 expected			61.70												1030.0
STD-CDN-ME-8 result			61.05												1051.7
018414	Soil		0.67	5.65	5.0	456	1.01	0.10	2.29	0.21	30.47	17.7	77	1.18	53.7
018414 Dup			0.70	5.60	4.9	453	1.10	0.11	2.36	0.29	28.93	16.0	77	1.11	48.8
QCV1105-02102-0029-BLK			<0.01	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.01	<0.1	<1	<0.05	<0.2
STD-CDN-ME-8 expected			61.70												1030.0
STD-CDN-ME-8 result			60.90												1061.7
QCV1105-02102-0031-BLK			<0.01	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.01	<0.1	<1	<0.05	<0.2
STD-OREAS-45P-4A expected			0.32		13.4			0.21				122.0	1103		749.0
STD-OREAS-45P-4A result			0.33		12.4			0.21				119.6	1009		742.6
018201	Soil	<0.005													
018201 Dup		<0.005													
STD-SK52 expected		4.107													
STD-SK52 result		4.312													
QCV1105-02103-0004-BLK		<0.005													
018237	Soil	<0.005													
018237 Dup		<0.005													
STD-OxG84 expected		0.922													
STD-OxG84 result		0.936													
018305	Soil	<0.005													
018305 Dup		<0.005													
QCV1105-02103-0008-BLK		<0.005													
018323	Soil	<0.005													
018323 Dup		<0.005													
STD-Oxi81 expected		1.807													
STD-Oxi81 result		1.672													
QCV1105-02103-0012-BLK		<0.005													
STD-Oxi81 expected		1.807													
STD-Oxi81 result		1.662													
018377	Soil	0.008													
018377 Dup		0.005													
QCV1105-02103-0016-BLK		<0.005													
018395	Soil	0.006													
018395 Dup		<0.005													
STD-OxJ80 expected		2.331													
STD-OxJ80 result		2.221													
018414	Soil	<0.005													
018414 Dup		<0.005													



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6552 Peregrine Road,

Nanaimo, BC V9V 1P8

	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
Sample	Au-1AT-AA	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT
Description	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
QC1105-02103-0020-BLK	<0.005													
STD-OxG84 expected	0.922													
STD-OxG84 result	0.861													



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6552 Peregrine Road,

Nanaimo, BC V9V 1P8

Sample Description	Sample Type	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
		50-4A-UT %	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT %	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT %	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT %	50-4A-UT ppm
018201	Soil	5.17	14.97	1.40	1.3	0.05	1.13	11.9	16.4	1.27	1831	0.99	2.44	7.5	31.9
018201 Dup		4.98	14.54	1.38	1.0	0.05	1.11	12.7	16.6	1.28	1766	0.88	2.39	6.6	29.3
QCV1105-02102-0002-BLK		<0.01	<0.05	<0.05	<0.1	<0.01	<0.01	<0.5	<0.2	<0.01	<5	<0.05	<0.01	<0.1	<0.2
STD-CDN-ME-8 expected															
STD-CDN-ME-8 result		4.50													
018219	Soil	5.06	15.19	<0.05	1.2	0.05	1.07	17.3	20.5	1.38	715	1.43	2.73	6.6	29.8
018219 Dup		5.16	16.85	<0.05	1.3	0.06	1.10	18.1	23.2	1.41	752	1.51	2.76	7.3	33.2
QCV1105-02102-0005-BLK		<0.01	<0.05	<0.05	<0.1	<0.01	<0.01	<0.5	<0.2	<0.01	<5	<0.05	<0.01	<0.1	<0.2
STD-OREAS-45P-4A expected													0.08		385.0
STD-OREAS-45P-4A result		20.36											0.12		373.9
018237	Soil	5.85	16.09	1.25	1.0	0.07	0.86	30.6	31.3	1.12	1042	1.51	2.27	6.4	33.2
018237 Dup		6.00	16.14	1.28	0.9	0.07	0.89	29.6	28.9	1.12	1079	1.56	2.34	6.4	31.6
QCV1105-02102-0008-BLK		<0.01	<0.05	<0.05	<0.1	<0.01	<0.01	<0.5	<0.2	<0.01	<5	<0.05	<0.01	<0.1	<0.2
STD-CDN-ME-8 expected															
STD-CDN-ME-8 result		4.20													
018305	Soil	5.64	15.05	0.99	1.1	0.06	0.89	15.2	20.7	1.18	1795	1.71	1.95	6.1	29.7
018305 Dup		5.72	16.45	1.07	1.2	0.06	0.91	15.7	21.9	1.21	1795	1.80	2.02	6.5	32.3
QCV1105-02102-0011-BLK		<0.01	<0.05	<0.05	<0.1	<0.01	<0.01	<0.5	<0.2	<0.01	<5	<0.05	<0.01	<0.1	<0.2
STD-CDN-ME-8 expected															
STD-CDN-ME-8 result		4.40													
018323	Soil	6.37	13.37	1.30	1.2	0.07	1.04	25.4	26.2	1.12	1957	2.07	2.00	5.6	30.0
018323 Dup		6.33	13.16	1.30	1.2	0.07	1.03	25.1	26.5	1.14	1967	2.10	2.11	5.4	31.0
QCV1105-02102-0014-BLK		<0.01	<0.05	<0.05	<0.1	<0.01	<0.01	<0.5	<0.2	<0.01	<5	<0.05	<0.01	<0.1	<0.2
STD-CDN-ME-8 expected															
STD-CDN-ME-8 result		4.38													
018341	Soil	4.92	15.94	1.32	1.1	0.06	1.05	15.0	27.6	1.31	979	0.80	2.66	8.1	33.2
018341 Dup		5.04	15.06	1.13	1.1	0.05	1.09	13.5	25.5	1.34	990	0.79	2.64	7.7	30.3
QCV1105-02102-0017-BLK		<0.01	<0.05	<0.05	<0.1	<0.01	<0.01	<0.5	<0.2	<0.01	<5	<0.05	<0.01	<0.1	<0.2
STD-OREAS-45P-4A expected													0.08		385.0
STD-OREAS-45P-4A result		18.09											0.11		372.3
018359	Soil	5.44	15.31	1.06	1.0	0.06	0.94	14.7	25.7	1.44	1181	1.06	2.37	6.2	34.9
018359 Dup		5.30	15.39	1.12	1.0	0.06	0.96	15.1	27.1	1.46	1172	1.10	2.37	6.2	35.8
QCV1105-02102-0020-BLK		<0.01	<0.05	<0.05	<0.1	<0.01	<0.01	<0.5	<0.2	<0.01	<5	<0.05	<0.01	<0.1	<0.2
STD-CDN-ME-8 expected															
STD-CDN-ME-8 result		4.51													
018377	Soil	5.93	16.73	1.17	1.0	0.07	1.04	17.5	34.1	1.37	1058	1.14	2.42	7.1	34.3
018377 Dup		5.96	16.30	1.20	1.2	0.06	1.00	17.0	32.2	1.34	1055	1.08	2.23	7.2	33.2
QCV1105-02102-0023-BLK		<0.01	<0.05	<0.05	<0.1	<0.01	<0.01	<0.5	<0.2	<0.01	<5	<0.05	<0.01	<0.1	<0.2
STD-OREAS-45P-4A expected													0.08		385.0
STD-OREAS-45P-4A result		19.78											0.11		359.5



**INSPECTORATE**

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#200 - 11620 Horseshoe Way

Richmond, British Columbia V7A 4V5  
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# Certificate of Analysis

**11-360-03707-01**

Mineral Exploration Consulting

6552 Peregrine Road,

Nanaimo, BC V9V 1P8

Sample Description	Sample Type	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
		50-4A-UT %	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT %	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT %	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT %	50-4A-UT ppm
018395	Soil	5.50	16.49	0.09	1.1	0.06	0.91	18.8	27.9	1.18	804	1.36	2.13	6.3	33.0
018395 Dup		5.44	15.88	0.09	1.1	0.06	0.90	18.9	29.2	1.12	803	1.40	2.09	6.2	31.0
QCV1105-02102-0026-BLK		<0.01	<0.05	<0.05	<0.1	<0.01	<0.01	<0.5	<0.2	<0.01	<5	<0.05	<0.01	<0.1	<0.2
STD-CDN-ME-8 expected															
STD-CDN-ME-8 result		4.10													
018414	Soil	4.74	15.69	0.09	1.0	0.06	1.14	13.7	20.4	1.46	1011	0.81	2.59	7.1	32.3
018414 Dup		4.79	14.16	<0.05	0.9	0.06	1.13	13.2	18.7	1.44	1013	0.70	2.59	6.7	29.8
QCV1105-02102-0029-BLK		<0.01	<0.05	<0.05	<0.1	<0.01	<0.01	<0.5	<0.2	<0.01	<5	<0.05	<0.01	<0.1	<0.2
STD-CDN-ME-8 expected															
STD-CDN-ME-8 result		4.28													
QCV1105-02102-0031-BLK		<0.01	<0.05	<0.05	<0.1	<0.01	<0.01	<0.5	<0.2	<0.01	<5	<0.05	<0.01	<0.1	<0.2
STD-OREAS-45P-4A expected													0.08		385.0
STD-OREAS-45P-4A result		19.72											0.11		375.6



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Richmond, British Columbia V7A 4V5  
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# Certificate of Analysis

## 11-360-03707-01

Mineral Exploration Consulting

6552 Peregrine Road,

Nanaimo, BC V9V 1P8

Sample Description	Sample Type	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
		50-4A-UT ppm 10	50-4A-UT ppm 0.5	50-4A-UT ppm 0.1	50-4A-UT ppm 0.002	50-4A-UT % 0.01	50-4A-UT ppm 0.05	50-4A-UT ppm 0.1	50-4A-UT ppm 1.0	50-4A-UT ppm 0.2	50-4A-UT ppm 0.2	50-4A-UT ppm 0.05	50-4A-UT ppm 0.05	50-4A-UT ppm 0.2	50-4A-UT ppm 0.005
018201	Soil	922	14.8	26.6	0.002	0.031	0.77	15.1	1.8	1.3	270.7	0.99	0.20	2.4	0.517
018201 Dup		846	14.0	26.1	<0.002	0.029	0.65	15.2	<1.0	1.6	269.4	0.59	0.13	2.1	0.542
QCV1105-02102-0002-BLK		<10	<0.5	<0.1	<0.002	<0.01	<0.05	<0.1	<1.0	<0.2	<0.2	<0.05	<0.05	<0.2	<0.005
018219	Soil	358	9.5	20.4	0.004	0.026	0.48	17.3	1.2	1.1	262.3	0.43	0.10	3.0	0.470
018219 Dup		363	10.4	23.7	0.003	0.026	0.49	19.7	1.5	1.1	285.1	0.52	0.19	3.1	0.519
QCV1105-02102-0005-BLK		<10	<0.5	<0.1	<0.002	<0.01	<0.05	<0.1	<1.0	<0.2	<0.2	<0.05	<0.05	<0.2	<0.005
STD-OREAS-45P-4A expected		454	22.0				0.92								
STD-OREAS-45P-4A result		497	22.7				0.93								
018237	Soil	568	16.0	26.7	0.005	0.055	0.63	16.3	3.2	1.3	238.8	0.53	0.16	2.7	0.404
018237 Dup		575	15.5	26.0	0.003	0.057	0.64	15.5	2.4	1.3	229.2	0.48	0.16	2.4	0.419
QCV1105-02102-0008-BLK		<10	<0.5	<0.1	<0.002	<0.01	<0.05	<0.1	<1.0	<0.2	<0.2	<0.05	<0.05	<0.2	<0.005
018305	Soil	1632	11.5	25.6	<0.002	0.059	0.69	14.4	1.1	1.1	187.6	0.44	0.16	2.9	0.405
018305 Dup		1643	12.0	27.9	0.004	0.046	0.75	15.3	1.6	1.3	200.8	0.46	0.25	3.2	0.445
QCV1105-02102-0011-BLK		<10	<0.5	<0.1	<0.002	<0.01	<0.05	<0.1	<1.0	<0.2	<0.2	<0.05	<0.05	<0.2	<0.005
018323	Soil	1076	12.8	44.3	0.005	0.053	0.61	18.4	1.9	1.3	207.6	0.43	0.26	5.0	0.317
018323 Dup		1077	13.1	45.4	0.005	0.055	0.61	18.9	2.5	1.4	211.4	0.40	0.28	5.1	0.332
QCV1105-02102-0014-BLK		<10	<0.5	<0.1	<0.002	<0.01	<0.05	<0.1	<1.0	<0.2	<0.2	<0.05	<0.05	<0.2	<0.005
018341	Soil	727	10.0	30.5	<0.002	0.032	0.50	17.7	<1.0	1.5	282.6	0.59	0.10	2.7	0.515
018341 Dup		734	9.0	27.1	0.002	0.031	0.45	16.5	<1.0	1.4	261.8	0.61	<0.05	2.6	0.497
QCV1105-02102-0017-BLK		<10	<0.5	<0.1	<0.002	<0.01	<0.05	<0.1	<1.0	<0.2	<0.2	<0.05	<0.05	<0.2	<0.005
STD-OREAS-45P-4A expected		454	22.0				0.92								
STD-OREAS-45P-4A result		442	22.2				0.93								
018359	Soil	595	12.0	28.7	0.003	0.043	0.52	19.4	1.2	1.3	256.7	0.47	0.14	2.9	0.431
018359 Dup		586	12.1	25.5	0.003	0.043	0.47	18.5	<1.0	1.4	255.6	0.44	0.14	3.0	0.442
QCV1105-02102-0020-BLK		<10	<0.5	<0.1	<0.002	<0.01	<0.05	<0.1	<1.0	<0.2	<0.2	<0.05	<0.05	<0.2	<0.005
018377	Soil	891	11.4	30.9	<0.002	0.041	0.40	18.8	1.4	1.5	268.7	0.51	<0.05	3.2	0.489
018377 Dup		892	11.2	32.7	0.005	0.040	0.38	19.0	2.0	1.5	271.2	0.50	<0.05	3.2	0.483
QCV1105-02102-0023-BLK		<10	<0.5	<0.1	<0.002	<0.01	<0.05	<0.1	<1.0	<0.2	<0.2	<0.05	<0.05	<0.2	<0.005
STD-OREAS-45P-4A expected		454	22.0				0.92								
STD-OREAS-45P-4A result		482	22.2				0.93								
018395	Soil	608	13.9	25.8	0.004	0.065	0.59	18.1	1.7	1.5	252.6	0.42	0.09	3.3	0.425
018395 Dup		637	16.0	24.0	0.003	0.067	0.56	17.3	2.2	2.3	233.8	0.43	0.16	3.6	0.422
QCV1105-02102-0026-BLK		<10	<0.5	<0.1	<0.002	<0.01	<0.05	<0.1	<1.0	<0.2	<0.2	<0.05	<0.05	<0.2	<0.005
018414	Soil	1863	10.2	28.9	0.002	0.030	0.43	17.3	<1.0	1.4	328.0	0.50	0.11	2.7	0.431
018414 Dup		1804	11.0	25.2	0.003	0.037	0.49	16.0	<1.0	1.4	317.3	0.52	0.11	2.5	0.396
QCV1105-02102-0029-BLK		<10	<0.5	<0.1	<0.002	<0.01	<0.05	<0.1	<1.0	<0.2	<0.2	<0.05	<0.05	<0.2	<0.005
QCV1105-02102-0031-BLK		<10	<0.5	<0.1	<0.002	<0.01	<0.05	<0.1	<1.0	<0.2	<0.2	<0.05	<0.05	<0.2	<0.005
STD-OREAS-45P-4A expected		454	22.0				0.92								
STD-OREAS-45P-4A result		487	22.0				0.93								



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# Certificate of Analysis

## 11-360-03707-01

Mineral Exploration Consulting

6552 Peregrine Road,

Nanaimo, BC V9V 1P8

Sample Description	Sample Type	Tl	U	V	W	Y	Zn	Zr
		50-4A-UT ppm 0.02	50-4A-UT ppm 0.1	50-4A-UT ppm 1	50-4A-UT ppm 0.1	50-4A-UT ppm 0.1	50-4A-UT ppm 2	50-4A-UT ppm 0.5
018201	Soil	0.18	0.8	251	0.7	11.3	283	27.4
018201 Dup		0.16	0.8	245	0.6	11.1	272	25.2
QCV1105-02102-0002-BLK		<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
018219	Soil	0.14	1.4	244	0.5	17.1	319	31.8
018219 Dup		0.14	1.4	252	0.6	18.0	340	34.1
QCV1105-02102-0005-BLK		<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-OREAS-45P-4A expected							142	
STD-OREAS-45P-4A result							144	
018237	Soil	0.17	1.4	256	0.7	32.1	250	25.3
018237 Dup		0.16	1.3	259	0.6	31.9	239	22.9
QCV1105-02102-0008-BLK		<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
018305	Soil	0.17	1.4	235	0.5	13.7	97	29.1
018305 Dup		0.16	1.6	240	0.6	13.8	101	31.6
QCV1105-02102-0011-BLK		<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
018323	Soil	0.27	1.7	193	0.5	22.4	136	29.7
018323 Dup		0.29	1.8	193	0.5	22.7	137	30.5
QCV1105-02102-0014-BLK		<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
018341	Soil	0.15	1.2	241	0.6	14.5	101	30.2
018341 Dup		0.17	1.2	245	0.6	13.2	95	32.7
QCV1105-02102-0017-BLK		<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-OREAS-45P-4A expected							142	
STD-OREAS-45P-4A result							146	
018359	Soil	0.15	1.1	257	0.5	14.3	82	25.6
018359 Dup		0.18	1.2	253	0.5	14.2	83	25.2
QCV1105-02102-0020-BLK		<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
018377	Soil	0.18	1.4	262	0.6	17.2	108	25.1
018377 Dup		0.19	1.5	259	0.6	17.6	108	29.2
QCV1105-02102-0023-BLK		<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-OREAS-45P-4A expected							142	
STD-OREAS-45P-4A result							150	
018395	Soil	0.17	2.0	237	0.5	22.3	81	28.5
018395 Dup		0.19	2.2	233	0.6	21.3	82	26.0
QCV1105-02102-0026-BLK		<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
018414	Soil	0.15	1.2	231	0.5	12.6	96	26.3
018414 Dup		0.14	1.1	233	0.5	11.9	98	23.6
QCV1105-02102-0029-BLK		<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
QCV1105-02102-0031-BLK		<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-OREAS-45P-4A expected							142	
STD-OREAS-45P-4A result							151	



# Certificate of Analysis

## 11-360-03226-01

Inspectorate Exploration & Mining Services Ltd.  
#200 - 11620 Horseshoe Way  
Richmond, British Columbia V7A 4V5 Canada  
Phone: 604-272-7818

<p style="text-align: center;"><b>Distribution List</b></p> <p>Attention: Jacques Houle 6552 Peregrine Road, Nanaimo, BC V9V 1P8 Phone: 250-390-3930 EMail: jhoule06@shaw.ca</p> <p>Attention: Dan Berkshire EMail: dan@comox.iv.com</p>	<p style="text-align: center;">Submitted By: <b>Mineral Exploration Consulting</b> <b>6552 Peregrine Road,</b> <b>Nanaimo, BC V9V 1P8</b></p> <p style="text-align: center;">Attention: <b>Jacques Houle</b></p> <p style="text-align: center;">Project: <b>Volcanics</b> Description: <b>Lot#2</b></p> <p style="text-align: right;">Date Received: 05/11/2011 Date Completed: 05/27/2011 Invoice:</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 20px;"> <thead> <tr> <th style="text-align: left;">Location</th> <th style="text-align: left;">Samples</th> <th style="text-align: left;">Type</th> <th style="text-align: left;">Preparation Description</th> </tr> </thead> <tbody> <tr> <td>Vancouver, BC</td> <td style="text-align: center;">1</td> <td>Rock</td> <td>SP-RX-2K/Rock/Chips/Drill Core</td> </tr> </tbody> </table> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 20px;"> <thead> <tr> <th style="text-align: left;">Location</th> <th style="text-align: left;">Method</th> <th style="text-align: left;">Description</th> </tr> </thead> <tbody> <tr> <td>Vancouver, BC</td> <td>50-4A-UT</td> <td>50 Element, 4 Acid, ICPMS, Ultra Trace Level</td> </tr> <tr> <td>Vancouver, BC</td> <td>Au-1AT-AA</td> <td>Au, 1AT Fire Assay, AAS</td> </tr> </tbody> </table>	Location	Samples	Type	Preparation Description	Vancouver, BC	1	Rock	SP-RX-2K/Rock/Chips/Drill Core	Location	Method	Description	Vancouver, BC	50-4A-UT	50 Element, 4 Acid, ICPMS, Ultra Trace Level	Vancouver, BC	Au-1AT-AA	Au, 1AT Fire Assay, AAS
Location	Samples	Type	Preparation Description															
Vancouver, BC	1	Rock	SP-RX-2K/Rock/Chips/Drill Core															
Location	Method	Description																
Vancouver, BC	50-4A-UT	50 Element, 4 Acid, ICPMS, Ultra Trace Level																
Vancouver, BC	Au-1AT-AA	Au, 1AT Fire Assay, AAS																

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him and based on an evaluation of all engineering data which is available concerning any proposed project. For our complete terms and conditions please see our website at [www.inspectorate.com](http://www.inspectorate.com).

By   
Mike Caron, Lab Manager



**INSPECTORATE**

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#200 - 11620 Horseshoe Way

Richmond, British Columbia V7A 4V5  
Canada

# Certificate of Analysis

**11-360-03226-01**

Mineral Exploration Consulting

6552 Peregrine Road,

Nanaimo, BC V9V 1P8

		Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
Sample	Sample	Au-1AT-AA	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT
Description	Type	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
		0.005	0.01	0.01	0.2	5	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
Sample# 018251	Rock	0.010	<0.01	5.34	20.1	457	1.78	0.14	4.01	0.09	21.08	8.5	98	2.36	17.7



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**11-360-03226-01**

Mineral Exploration Consulting

6552 Peregrine Road,

Nanaimo, BC V9V 1P8

		Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
		50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT
Sample	Sample	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
Description	Type	0.01	0.05	0.05	0.1	0.01	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
Sample# 018251	Rock	2.02	14.61	0.97	1.9	0.03	2.20	9.4	21.0	0.47	670	1.20	1.18	8.6	10.3



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Mineral Exploration Consulting

6552 Peregrine Road,

Nanaimo, BC V9V 1P8

		P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
		50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT
Sample	Sample	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Description	Type	10	0.5	0.1	0.002	0.01	0.05	0.1	1.0	0.2	0.2	0.05	0.05	0.2	0.005
Sample# 018251	Rock	410	46.1	56.1	0.003	0.191	0.66	7.7	<1.0	2.1	129.1	0.92	0.06	3.1	0.144



A Bureau Veritas Group Company

#200 - 11620 Horseshoe Way

Richmond, British Columbia V7A 4V5  
Canada

# Certificate of Analysis

**11-360-03226-01**

Mineral Exploration Consulting

6552 Peregrine Road,

Nanaimo, BC V9V 1P8

Sample Description	Sample Type	Tl 50-4A-UT ppm	U 50-4A-UT ppm	V 50-4A-UT ppm	W 50-4A-UT ppm	Y 50-4A-UT ppm	Zn 50-4A-UT ppm	Zr 50-4A-UT ppm
Sample# 018251	Rock	0.39	1.3	132	0.8	10.2	57	36.1



**INSPECTORATE**

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Canada

# Certificate of Analysis

**11-360-03226-01**

Mineral Exploration Consulting

6552 Peregrine Road,

Nanaimo, BC V9V 1P8

Sample Description	Sample Type	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
		Au-1AT-AA ppm 0.005	50-4A-UT ppm 0.01	50-4A-UT % 0.01	50-4A-UT ppm 0.2	50-4A-UT ppm 5	50-4A-UT ppm 0.05	50-4A-UT ppm 0.01	50-4A-UT % 0.01	50-4A-UT ppm 0.02	50-4A-UT ppm 0.01	50-4A-UT ppm 0.1	50-4A-UT ppm 1	50-4A-UT ppm 1	50-4A-UT ppm 0.05
Sample# 018251	Rock		<0.01	5.34	20.1	457	1.78	0.14	4.01	0.09	21.08	8.5	98	2.36	17.7
Sample# 018251 Dup			<0.01	5.35	20.6	461	1.85	0.14	4.03	0.09	22.00	8.5	100	2.46	17.4
QCV1105-00854-0002-BLK			<0.01	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	0.02	<0.1	<1	<0.05	<0.2
STD-OREAS-45P-4A expected			0.32		13.4			0.21				122.0	1103		749.0
STD-OREAS-45P-4A result			0.30		13.7			0.20				121.6	1042		705.0
Sample# 018251	Rock	0.010													
Sample# 018251 Dup		<0.005													
QCV1105-00855-0002-BLK		0.006													



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**11-360-03226-01**

Mineral Exploration Consulting

6552 Peregrine Road,

Nanaimo, BC V9V 1P8

Sample Description	Sample Type	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
		50-4A-UT %	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT %	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT %	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT %	50-4A-UT ppm	50-4A-UT ppm
Sample# 018251	Rock	2.02	14.61	0.97	1.9	0.03	2.20	9.4	21.0	0.47	670	1.20	1.18	8.6	10.3
Sample# 018251 Dup		2.13	14.73	0.95	1.7	0.03	2.24	9.4	21.1	0.47	674	1.15	1.19	8.7	10.2
QCV1105-00854-0002-BLK		<0.01	<0.05	<0.05	<0.1	<0.01	<0.01	<0.5	<0.2	<0.01	<5	<0.05	<0.01	<0.1	<0.2
STD-OREAS-45P-4A expected													0.08		385.0
STD-OREAS-45P-4A result													0.07		373.2



**INSPECTORATE**

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Canada

# Certificate of Analysis

**11-360-03226-01**

Mineral Exploration Consulting

6552 Peregrine Road,

Nanaimo, BC V9V 1P8

Sample Description	Sample Type	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
		50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT %	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm
		10	0.5	0.1	0.002	0.01	0.05	0.1	1.0	0.2	0.2	0.05	0.05	0.2	0.005
Sample# 018251	Rock	410	46.1	56.1	0.003	0.191	0.66	7.7	<1.0	2.1	129.1	0.92	0.06	3.1	0.144
Sample# 018251 Dup		412	47.1	57.1	0.003	0.203	0.67	8.0	<1.0	2.2	131.3	0.92	0.06	3.1	0.148
QCV1105-00854-0002-BLK		<10	<0.5	<0.1	<0.002	<0.01	<0.05	<0.1	<1.0	<0.2	<0.2	<0.05	<0.05	<0.2	<0.005
STD-OREAS-45P-4A expected		454	22.0				0.92								
STD-OREAS-45P-4A result		417	16.8				0.91								





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 Canada

# Certificate of Analysis

11-360-03226-01

Mineral Exploration Consulting  
 6552 Peregrine Road,  
 Nanaimo, BC V9V 1P8

Sample Description	Sample Type	Tl	U	V	W	Y	Zn	Zr
		50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm
		0.02	0.1	1	0.1	0.1	2	0.5
Sample# 018251	Rock	0.39	1.3	132	0.8	10.2	57	36.1
Sample# 018251 Dup		0.39	1.3	135	0.8	11.1	57	35.5
QCV1105-00854-0002-BLK		<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-OREAS-45P-4A expected							142	
STD-OREAS-45P-4A result							153	



**INSPECTORATE**

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# Certificate of Analysis

**11-360-03171-01**

Inspectorate Exploration & Mining Services Ltd.  
#200 - 11620 Horseshoe Way  
Richmond, British Columbia V7A 4V5 Canada  
Phone: 604-272-7818

### Distribution List

Attention: Jacques Houle  
6552 Peregrine Road,  
Nanaimo, BC V9V 1P8  
Phone: 250-390-3930  
EMail: jhoule06@shaw.ca

Attention: Amd Burgert  
EMail: amd.burgert@telus.net

Submitted By: **Mineral Exploration Consulting**  
**6552 Peregrine Road,**  
**Nanaimo, BC V9V 1P8**

Attention: **Jacques Houle**

Project: **Volcanics**  
Purchase Order: **#1**  
Description: **Mineral Exploration Consulting**

Date Received: 05/09/2011  
Date Completed: 05/27/2011  
Invoice:

Location	Samples	Type	Preparation Description
Vancouver, BC	7	Other	SP-PU/Pulp Handling, submitted pulps
Vancouver, BC	14	Rock	SP-RX-2K/Rock/Chips/Drill Core
Vancouver, BC	13	Soil	SP-SS-1K/Soils, Humus Sediments 1kg dried, sieved and riffle split

Location	Method	Description
Vancouver, BC	50-4A-UT	50 Element, 4 Acid, ICPMS, Ultra Trace Level
Vancouver, BC	Au-1AT-AA	Au, 1AT Fire Assay, AAS
Vancouver, BC	Pt-1AT-ICP	Pt, 1AT, ICP
Vancouver, BC	Pd-1AT-ICP	Pd, 1AT, ICP
Vancouver, BC	WR-FS-ICP	Whole Rock, Lithium Borate Fusion, ICP

### Submittal Information

Re-released data with Fe results reported to 25%

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him and based on an evaluation of all engineering data which is available concerning any proposed project. For our complete terms and conditions please see our website at [www.inspectorate.com](http://www.inspectorate.com).

For and on behalf of **Inspectorate Exploration and Mining Services Ltd**

By

  
Michael Caron - Operations Manager



**INSPECTORATE**

A Bureau Veritas Group Company

#200 - 11620 Horseshoe Way

Richmond, British Columbia V7A 4V5  
Canada

# Certificate of Analysis

## 11-360-03171-01

Mineral Exploration Consulting

6552 Peregrine Road,

Nanaimo, BC V9V 1P8

Sample Description	Sample Type	Au	Pd	Pt	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	LOI	MgO	MnO	Na2O	P2O5	
		Au-1AT-AA ppm 0.005	Pd-1AT-ICP ppm 0.005	Pt-1AT-ICP ppm 0.005	WR-FS-ICP %	WR-FS-ICP %	WR-FS-ICP %	WR-FS-ICP %	WR-FS-ICP %	WR-FS-ICP %	WR-FS-ICP %	WR-FS-ICP %	WR-FS-ICP %	WR-FS-ICP %	WR-FS-ICP %	WR-FS-ICP %
18001	Rock	0.013	<0.005	<0.005												
18002	Rock	<0.005	<0.005	<0.005												
18003	Rock	0.012	<0.005	<0.005												
18004	Rock	<0.005	<0.005	<0.005												
18005	Rock	0.007	<0.005	<0.005												
18006	Rock	0.023	<0.005	<0.005												
18007	Rock	<0.005	<0.005	<0.005												
18008	Rock	0.008	<0.005	<0.005												
18051	Rock	0.008	<0.005	<0.005												
18052	Rock				0.32	<0.01	51.92	<0.01	0.39	0.03	42.84	4.25	0.02	0.05	<0.01	
18053	Rock				0.37	<0.01	53.25	<0.01	0.24	0.06	42.13	1.91	<0.01	0.04	<0.01	
18054	Rock				0.14	<0.01	56.87	<0.01	0.13	<0.01	43.24	0.78	0.05	0.01	<0.01	
18055	Rock				0.36	<0.01	49.90	<0.01	0.31	0.04	42.50	5.50	0.03	0.02	0.02	
18056	Rock				0.10	<0.01	56.06	<0.01	0.12	<0.01	42.77	0.73	0.01	0.01	0.02	
18101	Other	0.011	0.006	0.010												
18102	Other	0.012	0.006	<0.005												
18103	Other	<0.005	<0.005	<0.005												
18104	Other	<0.005	0.005	<0.005												
18105	Other	<0.005	0.006	<0.005												
18106	Other	0.039	<0.005	<0.005												
18107	Other	<0.005	<0.005	<0.005												
18151	Soil	<0.005	0.017	<0.005												
18152	Soil	<0.005	<0.005	<0.005												
18153	Soil	<0.005	<0.005	<0.005												
18154	Soil	<0.005	0.005	<0.005												
18155	Soil	<0.005	<0.005	<0.005												
18156	Soil	<0.005	<0.005	<0.005												
18157	Soil	<0.005	<0.005	<0.005												
18158	Soil	<0.005	<0.005	<0.005												
18159	Soil	<0.005	0.007	<0.005												
18160	Soil	<0.005	<0.005	<0.005												
18161	Soil	0.022	<0.005	<0.005												
18162	Soil	0.054	0.011	<0.005												
18163	Soil	0.040	0.020	<0.005												



**INSPECTORATE**

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Richmond, British Columbia V7A 4V5  
Canada

# Certificate of Analysis

## 11-360-03171-01

Mineral Exploration Consulting

6552 Peregrine Road,

Nanaimo, BC V9V 1P8

Sample Description	Sample Type	SiO2	TiO2	Total	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
		WR-FS-ICP % 0.01	WR-FS-ICP % 0.01	WR-FS-ICP % 0.01	50-4A-UT ppm 0.01	50-4A-UT % 0.01	50-4A-UT ppm 0.2	50-4A-UT ppm 5	50-4A-UT ppm 0.05	50-4A-UT ppm 0.01	50-4A-UT % 0.01	50-4A-UT ppm 0.02	50-4A-UT ppm 0.01	50-4A-UT ppm 0.1	50-4A-UT ppm 1
18001	Rock				<0.01	7.66	<0.2	194	0.75	0.11	6.48	0.05	17.92	43.7	180
18002	Rock				<0.01	6.54	13.1	108	0.72	0.14	4.84	0.02	21.95	71.9	112
18003	Rock				0.17	6.50	26.8	295	0.77	0.11	4.99	0.04	18.93	49.5	48
18004	Rock				<0.01	7.33	6.5	123	0.63	0.14	7.00	0.09	12.84	54.1	45
18005	Rock				0.14	2.46	8.4	25	0.30	0.51	>10	0.33	23.25	67.2	204
18006	Rock				1.05	1.77	7.4	48	0.21	1.71	>10	0.60	3.98	115.0	59
18007	Rock				0.88	2.00	19.7	20	1.12	1.24	7.22	0.08	2.84	126.4	100
18008	Rock				0.10	6.19	6.4	33	1.22	0.19	>10	0.31	7.35	38.9	78
18051	Rock				<0.01	8.03	9.2	227	0.77	0.05	8.93	0.34	22.82	54.8	54
18052	Rock	1.19	0.04	101.05	<0.01	0.17	6.7	21	<0.05	0.03	>10	0.03	0.63	0.7	5
18053	Rock	2.12	0.02	100.16	0.30	0.20	<0.2	75	<0.05	0.07	>10	0.05	0.58	<0.1	28
18054	Rock	0.54	<0.01	101.76	<0.01	0.07	1.9	44	0.05	0.02	>10	<0.02	2.17	<0.1	6
18055	Rock	1.30	0.02	100.01	<0.01	0.18	<0.2	15	<0.05	0.04	>10	0.07	0.69	<0.1	4
18056	Rock	0.31	<0.01	100.15	<0.01	0.03	4.2	5	<0.05	0.02	>10	0.02	0.23	<0.1	4
18101	Other				<0.01	6.18	10.5	105	0.43	0.10	5.62	0.40	14.47	35.6	96
18102	Other				<0.01	4.64	12.8	191	0.52	0.11	3.09	0.77	19.25	32.7	50
18103	Other				<0.01	4.88	9.1	160	0.59	0.09	3.15	0.54	18.19	21.3	29
18104	Other				0.03	4.53	4.1	182	0.61	0.12	1.97	0.97	17.31	55.8	20
18105	Other				0.49	5.08	49.4	197	0.76	0.19	4.62	1.76	16.56	68.6	58
18106	Other				<0.01	7.22	13.1	327	0.68	0.09	3.24	0.49	21.98	31.9	25
18107	Other				<0.01	5.23	20.9	152	0.85	0.10	9.05	1.22	23.90	24.3	65
18151	Soil				<0.01	2.70	11.7	85	0.26	0.13	3.77	0.55	12.38	17.5	21
18152	Soil				<0.01	5.97	7.4	179	0.63	0.13	8.32	0.74	17.96	25.4	87
18153	Soil				<0.01	6.02	18.6	275	0.59	0.07	3.03	0.22	18.49	29.2	39
18154	Soil				<0.01	6.22	14.6	251	0.68	0.09	3.43	0.18	18.32	31.3	28
18155	Soil				<0.01	5.87	4.0	198	0.65	0.10	2.41	0.15	18.32	37.0	30
18156	Soil				<0.01	5.81	9.1	174	0.72	0.08	3.89	0.37	23.35	33.8	62
18157	Soil				<0.01	5.27	5.1	143	0.56	0.07	4.82	0.54	15.49	26.7	36
18158	Soil				<0.01	5.69	4.7	190	0.47	0.10	5.85	0.33	19.42	28.8	45
18159	Soil				<0.01	3.14	9.0	125	0.49	0.10	4.65	1.22	12.34	21.6	24
18160	Soil				0.05	4.66	12.5	173	0.63	0.10	3.06	0.33	19.15	39.2	43
18161	Soil				<0.01	5.30	0.7	180	0.57	0.13	3.56	0.24	17.40	38.7	34
18162	Soil				0.05	4.66	30.5	198	0.92	0.12	3.32	1.27	27.49	12.2	25
18163	Soil				<0.01	5.13	20.3	143	0.57	0.15	3.22	0.87	19.93	29.2	28



**INSPECTORATE**

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# Certificate of Analysis

## 11-360-03171-01

Mineral Exploration Consulting

6552 Peregrine Road,

Nanaimo, BC V9V 1P8

Sample Description	Sample Type	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na
		50-4A-UT ppm 0.05	50-4A-UT ppm 0.2	50-4A-UT % 0.01	50-4A-UT ppm 0.05	50-4A-UT ppm 0.05	50-4A-UT ppm 0.1	50-4A-UT ppm 0.01	50-4A-UT % 0.01	50-4A-UT ppm 0.01	50-4A-UT ppm 0.5	50-4A-UT ppm 0.2	50-4A-UT % 0.01	50-4A-UT ppm 5	50-4A-UT ppm 0.05
18001	Rock	0.21	87.7	7.43	18.65	1.34	1.3	0.10	0.56	6.8	5.7	3.43	1554	0.94	2.39
18002	Rock	0.07	111.0	11.00	22.91	1.82	0.5	0.08	0.63	9.0	5.1	1.29	1493	2.76	1.81
18003	Rock	0.41	107.7	9.83	21.68	1.31	1.3	0.09	0.75	6.7	5.0	2.63	1368	1.03	2.03
18004	Rock	0.64	117.1	8.97	20.80	1.87	1.0	0.11	0.50	4.7	14.3	2.90	2027	1.20	2.06
18005	Rock	0.07	726.9	14.21	13.58	3.16	0.5	1.15	0.05	9.3	1.3	1.06	4163	2.81	0.09
18006	Rock	0.07	930.1	15.53	4.35	0.65	0.4	0.13	0.12	2.0	1.6	0.67	1463	1.92	0.07
18007	Rock	0.10	582.7	20.58	6.69	1.00	0.9	0.06	<0.01	1.3	3.6	1.31	1442	16.61	0.03
18008	Rock	0.52	95.5	7.09	16.15	0.54	1.7	0.09	0.12	2.3	6.0	5.36	189	3.20	0.28
18051	Rock	0.82	102.2	8.24	19.08	0.91	1.3	0.10	0.62	9.0	10.0	2.97	1255	3.09	1.87
18052	Rock	<0.05	4.8	0.18	0.59	<0.05	<0.1	<0.01	0.03	<0.5	0.8	2.54	41	0.37	0.03
18053	Rock	<0.05	11.4	0.17	0.64	<0.05	<0.1	<0.01	0.07	<0.5	0.7	1.20	39	0.36	0.03
18054	Rock	<0.05	3.3	0.11	0.39	<0.05	<0.1	<0.01	<0.01	1.6	1.2	0.47	355	1.00	<0.01
18055	Rock	<0.05	2.8	0.16	0.84	<0.05	<0.1	<0.01	0.04	0.6	1.1	3.36	147	3.05	<0.01
18056	Rock	<0.05	1.2	0.03	0.38	<0.05	<0.1	<0.01	<0.01	<0.5	<0.2	0.44	76	0.19	<0.01
18101	Other	1.33	65.8	5.35	14.30	0.63	0.8	0.06	0.25	6.3	25.7	5.00	1724	1.20	0.81
18102	Other	0.86	36.5	3.70	10.24	0.63	0.6	0.03	0.44	9.1	6.5	1.11	2958	2.54	0.91
18103	Other	1.28	26.1	3.13	11.27	0.77	0.5	0.03	0.49	9.4	7.5	0.82	1366	1.05	0.78
18104	Other	0.67	23.9	3.92	8.05	0.37	0.3	0.03	0.27	7.5	5.4	0.56	7382	1.89	0.50
18105	Other	0.71	71.9	6.03	8.42	0.38	0.5	0.05	0.30	7.1	15.4	2.16	7571	11.56	0.60
18106	Other	1.16	30.2	4.90	14.21	0.79	0.6	0.05	0.62	10.8	12.6	1.37	1886	2.58	1.40
18107	Other	1.18	45.1	4.55	11.86	0.60	1.1	0.06	0.53	15.7	14.4	5.18	1649	1.96	0.98
18151	Soil	0.88	35.0	2.29	5.95	0.36	0.4	0.04	0.21	6.6	4.8	0.48	2239	2.42	0.38
18152	Soil	1.20	33.3	5.76	15.56	1.28	1.1	0.09	0.44	8.6	8.3	1.40	2100	1.39	1.04
18153	Soil	0.80	17.8	3.80	12.70	0.80	0.7	0.05	0.70	8.7	5.7	1.28	1629	1.83	1.72
18154	Soil	0.85	22.5	5.40	13.50	0.80	0.6	0.06	0.51	8.1	7.6	1.32	2254	1.99	1.32
18155	Soil	0.74	20.7	5.15	11.73	0.62	0.6	0.07	0.47	7.9	6.3	0.98	2002	3.07	1.12
18156	Soil	0.58	43.4	6.24	14.75	0.88	0.8	0.06	0.47	11.5	6.5	1.52	1721	2.57	1.23
18157	Soil	0.79	30.9	4.26	10.57	0.75	0.8	0.07	0.35	7.5	6.9	1.08	1878	3.22	1.23
18158	Soil	0.76	32.3	6.17	13.08	1.07	0.9	0.12	0.47	9.2	7.2	1.39	1945	3.48	1.39
18159	Soil	0.64	88.6	2.77	6.24	0.77	0.4	0.06	0.23	8.3	4.8	0.71	2903	2.85	0.55
18160	Soil	0.85	21.1	4.68	10.50	0.69	0.7	0.06	0.35	8.4	4.5	1.23	3132	2.81	0.78
18161	Soil	1.01	20.8	4.37	11.00	0.62	0.6	0.06	0.38	8.5	6.7	0.99	2995	2.90	0.80
18162	Soil	1.02	23.2	2.47	8.02	0.22	0.3	0.04	0.38	18.5	12.1	0.90	1447	1.95	0.62
18163	Soil	0.55	53.1	3.17	7.88	0.35	0.5	0.04	0.23	9.4	5.1	0.71	2488	2.78	0.41



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#200 - 11620 Horseshoe Way

Richmond, British Columbia V7A 4V5  
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# Certificate of Analysis

## 11-360-03171-01

Mineral Exploration Consulting

6552 Peregrine Road,

Nanaimo, BC V9V 1P8

Sample Description	Sample Type	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te
		50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT %	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm
18001	Rock	3.8	35.6	961	<0.5	8.7	0.008	0.633	0.50	38.0	2.7	2.0	700.1	1.45	0.08
18002	Rock	5.1	11.9	1479	<0.5	12.6	0.012	6.093	1.19	22.2	3.7	1.6	646.5	0.67	0.44
18003	Rock	4.1	15.1	1281	4.1	20.1	0.013	2.330	1.86	35.6	3.2	1.7	614.1	0.57	0.19
18004	Rock	3.1	14.5	978	<0.5	16.6	0.008	1.680	0.72	44.2	2.4	2.1	476.7	0.55	<0.05
18005	Rock	1.1	22.1	638	5.7	1.4	0.021	4.252	0.67	6.9	4.1	10.3	39.3	0.18	0.67
18006	Rock	1.0	82.5	550	15.8	3.2	0.012	5.855	2.67	4.7	13.0	0.6	72.4	0.15	1.95
18007	Rock	1.7	51.0	599	8.5	0.3	0.024	>10	3.72	10.5	14.8	0.5	33.2	0.26	1.05
18008	Rock	2.6	13.2	1562	<0.5	1.5	0.010	3.926	1.97	30.1	6.2	1.4	333.5	0.68	0.60
18051	Rock	4.1	15.5	3009	<0.5	25.9	0.031	0.321	0.95	36.8	3.2	0.9	596.0	0.52	<0.05
18052	Rock	0.2	<0.2	61	12.2	1.0	0.004	0.224	0.17	1.4	2.9	<0.2	163.1	0.10	0.06
18053	Rock	0.3	1.0	31	2.1	1.8	0.004	0.268	0.51	1.2	<1.0	<0.2	181.6	0.22	0.12
18054	Rock	0.2	0.8	22	10.0	0.3	0.005	0.293	0.07	0.7	1.6	<0.2	305.4	<0.05	<0.05
18055	Rock	0.3	1.1	52	3.2	1.1	0.008	0.239	0.13	1.0	1.1	<0.2	250.6	0.06	<0.05
18056	Rock	0.2	<0.2	12	5.0	0.2	0.004	0.230	0.10	0.7	1.5	<0.2	231.8	<0.05	<0.05
18101	Other	3.5	49.3	1042	8.4	8.5	0.008	0.260	0.54	21.7	2.3	1.3	238.8	0.64	<0.05
18102	Other	3.4	20.0	969	41.0	12.1	0.006	0.095	0.61	13.8	3.5	0.9	177.7	0.29	<0.05
18103	Other	3.2	12.5	770	7.6	16.2	0.005	0.074	0.56	11.3	5.0	0.6	216.5	0.30	<0.05
18104	Other	2.1	12.5	1066	24.6	7.9	0.003	0.187	0.35	8.5	5.0	0.6	105.5	0.22	<0.05
18105	Other	2.5	60.1	1749	14.2	11.7	0.138	1.001	1.20	12.8	17.4	1.1	128.6	0.29	0.10
18106	Other	3.7	16.1	593	5.6	18.6	0.007	0.036	0.43	15.7	3.2	3.6	204.1	0.35	<0.05
18107	Other	4.3	33.6	1297	16.3	19.5	0.005	0.187	1.26	19.0	1.6	1.1	214.6	0.51	<0.05
18151	Soil	1.5	12.9	1066	11.2	6.8	0.006	0.128	0.55	8.0	4.8	0.7	153.9	0.11	<0.05
18152	Soil	4.0	29.8	758	1.5	14.3	0.006	0.174	0.70	19.0	2.8	1.1	252.8	0.33	0.09
18153	Soil	6.4	14.8	603	4.3	16.8	0.004	0.014	0.38	16.8	3.5	0.9	231.5	0.42	<0.05
18154	Soil	3.6	11.0	618	1.4	13.2	0.005	0.079	0.36	18.1	2.7	1.0	239.0	0.32	<0.05
18155	Soil	3.4	11.1	787	5.0	11.3	0.004	0.069	0.25	14.2	1.4	0.9	178.1	0.35	<0.05
18156	Soil	9.3	21.9	754	3.4	12.1	0.007	<0.01	0.54	20.5	4.2	1.0	242.3	0.68	0.11
18157	Soil	2.5	17.5	957	10.4	9.2	0.007	0.036	0.70	14.5	4.4	1.0	349.7	0.26	<0.05
18158	Soil	3.7	18.6	638	6.4	11.7	0.013	0.127	0.42	18.3	2.0	2.0	322.2	0.44	<0.05
18159	Soil	1.6	31.2	1217	14.9	6.4	0.007	0.093	0.53	8.0	6.4	0.8	171.6	0.13	<0.05
18160	Soil	4.6	18.6	766	9.1	8.1	0.007	0.056	0.33	17.3	3.0	0.8	163.0	0.39	<0.05
18161	Soil	2.9	12.2	725	8.1	10.4	0.007	0.050	0.36	14.3	3.2	0.8	217.5	0.24	<0.05
18162	Soil	3.0	14.4	1301	23.5	12.9	0.006	0.136	0.57	8.3	5.7	1.1	106.0	0.27	<0.05
18163	Soil	1.8	16.4	1290	50.3	6.5	0.005	0.084	0.74	10.7	4.8	0.8	102.7	0.16	<0.05



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**11-360-03171-01**

Mineral Exploration Consulting

6552 Peregrine Road,

Nanaimo, BC V9V 1P8

Sample Description	Sample Type	Th	Ti	Tl	U	V	W	Y	Zn	Zr
		50-4A-UT ppm	50-4A-UT %	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm
18001	Rock	0.6	1.006	0.06	0.4	425	0.8	33.3	70	19.7
18002	Rock	1.9	1.081	0.12	0.7	230	0.9	32.2	57	6.3
18003	Rock	0.5	1.677	0.13	0.4	612	0.7	39.0	60	22.8
18004	Rock	0.3	1.449	0.11	0.6	621	1.1	31.2	71	17.5
18005	Rock	0.6	0.158	0.25	8.7	227	2.3	11.8	143	12.6
18006	Rock	<0.2	0.113	0.11	0.7	54	1.2	8.4	106	7.3
18007	Rock	0.5	0.250	<0.02	1.6	140	0.7	7.3	201	19.2
18008	Rock	0.4	0.964	0.14	1.9	457	0.3	26.3	31	39.2
18051	Rock	0.7	1.287	0.79	1.3	438	1.4	37.7	97	22.7
18052	Rock	<0.2	0.021	0.04	1.7	75	0.1	0.8	5	1.1
18053	Rock	<0.2	0.013	0.04	1.1	35	0.5	0.6	7	1.8
18054	Rock	<0.2	<0.005	<0.02	2.3	15	0.2	1.9	3	0.8
18055	Rock	<0.2	0.006	<0.02	3.2	94	0.3	1.1	7	2.7
18056	Rock	<0.2	<0.005	<0.02	2.2	13	<0.1	0.3	<2	0.8
18101	Other	0.7	0.592	0.12	4.2	338	0.6	19.1	100	11.1
18102	Other	1.0	0.369	0.14	3.3	171	1.2	14.1	73	10.9
18103	Other	1.3	0.298	0.11	7.1	146	0.6	12.6	60	9.6
18104	Other	0.9	0.200	0.22	2.6	126	6.6	10.0	252	5.5
18105	Other	1.1	0.324	0.30	23.2	339	4.3	14.6	262	8.8
18106	Other	1.9	0.372	0.17	2.8	218	1.1	14.3	137	10.6
18107	Other	1.5	0.460	0.22	3.6	353	1.3	31.0	97	22.6
18151	Soil	0.5	0.167	0.08	0.7	84	1.2	11.8	76	7.1
18152	Soil	1.0	0.482	0.13	3.3	237	1.1	23.6	160	21.6
18153	Soil	1.2	0.540	0.13	1.1	186	2.3	17.0	61	13.2
18154	Soil	1.2	0.425	0.12	1.3	238	0.6	14.7	85	9.8
18155	Soil	1.2	0.395	0.09	2.0	232	1.2	14.4	60	8.6
18156	Soil	1.7	0.607	0.09	2.9	321	1.7	23.0	85	14.5
18157	Soil	0.8	0.340	0.11	1.6	179	0.8	14.4	87	14.1
18158	Soil	1.3	0.502	0.11	1.6	265	0.9	18.0	86	17.0
18159	Soil	0.6	0.176	0.11	1.2	107	0.6	11.2	197	9.2
18160	Soil	0.7	0.546	0.08	2.6	222	2.9	16.8	86	11.5
18161	Soil	1.0	0.356	0.12	1.8	168	1.2	13.6	81	12.2
18162	Soil	2.4	0.189	0.17	13.5	126	7.1	19.3	71	6.9
18163	Soil	0.9	0.220	0.10	2.3	130	1.7	13.5	130	10.1



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## 11-360-03171-01

Mineral Exploration Consulting

6552 Peregrine Road,

Nanaimo, BC V9V 1P8

Sample Description	Sample Type	Au	Pd	Pt	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	LOI	MgO	MnO	Na2O	P2O5
		Au-1AT-AA ppm 0.005	Pd-1AT-ICP ppm 0.005	Pt-1AT-ICP ppm 0.005	WR-FS-ICP %	WR-FS-ICP %	WR-FS-ICP %	WR-FS-ICP %	WR-FS-ICP %	WR-FS-ICP %	WR-FS-ICP %	WR-FS-ICP %	WR-FS-ICP %	WR-FS-ICP %	WR-FS-ICP %
18001	Rock		<0.005	<0.005											
18001 Dup			<0.005	<0.005											
STD-PD1 expected			0.563	0.456											
STD-PD1 result			0.539	0.469											
18152	Soil		<0.005	<0.005											
18152 Dup			0.008	<0.005											
QCV1105-00713-0004-BLK			<0.005	<0.005											
18155	Soil		<0.005	<0.005											
18155 Dup			<0.005	<0.005											
QCV1105-00713-0006-BLK			<0.005	<0.005											
STD-CDN-PGMS-9 expected			2.600	0.710											
STD-CDN-PGMS-9 result			2.631	0.710											
QCV1105-00715-0002-BLK					<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
STD-OREAS 45P-WR expected					12.89		0.42		27.48		11.19	0.36	0.16	0.11	
STD-OREAS 45P-WR result					12.46		0.46		28.47		11.62	0.32	0.17	0.11	
QCV1105-00715-0005-BLK					<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
STD-OREAS 45P-WR expected					12.89		0.42		27.48		11.19	0.36	0.16	0.11	
STD-OREAS 45P-WR result					12.45		0.46		28.48		11.21	0.32	0.17	0.11	
QCV1105-00715-0007-BLK					<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01





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6552 Peregrine Road,

Nanaimo, BC V9V 1P8

Sample Description	Sample Type	SiO2	TiO2	Total	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
		WR-FS-ICP % 0.01	WR-FS-ICP % 0.01	WR-FS-ICP % 0.01	50-4A-UT ppm 0.01	50-4A-UT % 0.01	50-4A-UT ppm 0.2	50-4A-UT ppm 5	50-4A-UT ppm 0.05	50-4A-UT ppm 0.01	50-4A-UT % 0.01	50-4A-UT ppm 0.02	50-4A-UT ppm 0.01	50-4A-UT ppm 0.1	50-4A-UT ppm 0.1
18001	Rock				<0.01	7.66	<0.2	194	0.75	0.11	6.48	0.05	17.92	43.7	180
18001 Dup					<0.01	7.75	<0.2	196	0.69	0.10	6.59	<0.02	18.18	45.6	181
QCV1105-00712-0002-BLK					<0.01	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.01	<0.1	<1
STD-CDN-ME-8 expected					61.70										
STD-CDN-ME-8 result					61.48										
18105	Other				0.49	5.08	49.4	197	0.76	0.19	4.62	1.76	16.56	68.6	58
18105 Dup					0.43	5.00	46.8	216	0.64	0.13	4.52	2.00	17.03	66.5	56
QCV1105-00712-0005-BLK					<0.01	<0.01	0.4	<5	<0.05	<0.01	0.01	<0.02	0.02	<0.1	<1
STD-OREAS-45P-4A expected					0.32		13.4			0.21				122.0	1103
STD-OREAS-45P-4A result					0.33		13.2			0.22				124.2	1049
QCV1105-00712-0007-BLK					<0.01	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.01	<0.1	<1
QCV1105-00715-0002-BLK		<0.01	<0.01	<0.01											
STD-OREAS 45P-WR expected		43.68	1.97												
STD-OREAS 45P-WR result		44.16	1.87	100.31											
QCV1105-00715-0005-BLK		<0.01	<0.01	<0.01											
STD-OREAS 45P-WR expected		43.68	1.97												
STD-OREAS 45P-WR result		45.05	1.86	100.79											
QCV1105-00715-0007-BLK		<0.01	<0.01	<0.01											



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6552 Peregrine Road,

Nanaimo, BC V9V 1P8

Sample Description	Sample Type	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na
		50-4A-UT ppm	50-4A-UT ppm	50-4A-UT %	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT %	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT %	50-4A-UT ppm	50-4A-UT ppm
18001	Rock	0.21	87.7	7.43	18.65	1.34	1.3	0.10	0.56	6.8	5.7	3.43	1554	0.94	2.39
18001 Dup		0.20	88.0	7.58	18.85	1.63	1.2	0.11	0.55	6.7	5.5	3.44	1588	0.91	2.37
QCV1105-00712-0002-BLK		<0.05	<0.2	<0.01	<0.05	<0.05	<0.1	<0.01	<0.01	<0.5	<0.2	<0.01	<5	<0.05	<0.01
STD-CDN-ME-8 expected			1030.0												
STD-CDN-ME-8 result			957.4	3.61											
18105	Other	0.71	71.9	6.03	8.42	0.38	0.5	0.05	0.30	7.1	15.4	2.16	7571	11.56	0.60
18105 Dup		0.71	62.0	5.80	8.17	0.40	0.5	0.04	0.29	7.4	15.0	2.06	7485	10.92	0.57
QCV1105-00712-0005-BLK		<0.05	<0.2	0.02	<0.05	<0.05	<0.1	<0.01	<0.01	<0.5	<0.2	<0.01	<5	<0.05	<0.01
STD-OREAS-45P-4A expected			749.0												0.08
STD-OREAS-45P-4A result			690.7	15.71											0.07
QCV1105-00712-0007-BLK		<0.05	<0.2	<0.01	<0.05	<0.05	<0.1	<0.01	<0.01	<0.5	<0.2	<0.01	<5	<0.05	<0.01



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6552 Peregrine Road,

Nanaimo, BC V9V 1P8

Sample Description	Sample Type	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te
		50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT %	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm
		0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1.0	0.2	0.2	0.05	0.05
18001	Rock	3.8	35.6	961	<0.5	8.7	0.008	0.633	0.50	38.0	2.7	2.0	700.1	1.45	0.08
18001 Dup		3.3	36.5	973	<0.5	9.4	0.007	0.669	0.41	37.4	3.4	2.0	702.7	1.03	0.13
QCV1105-00712-0002-BLK		<0.1	<0.2	<10	<0.5	<0.1	<0.002	0.127	<0.05	<0.1	<1.0	<0.2	<0.2	<0.05	<0.05
18105	Other	2.5	60.1	1749	14.2	11.7	0.138	1.001	1.20	12.8	17.4	1.1	128.6	0.29	0.10
18105 Dup		2.4	57.9	1623	11.0	11.3	0.139	0.947	1.17	12.5	18.8	0.9	125.7	0.25	0.07
QCV1105-00712-0005-BLK		<0.1	<0.2	<10	<0.5	<0.1	<0.002	<0.01	<0.05	<0.1	<1.0	<0.2	0.8	<0.05	<0.05
STD-OREAS-45P-4A expected			385.0	454	22.0				0.92			2.0			
STD-OREAS-45P-4A result			365.9	440	21.1				0.85			2.1			
QCV1105-00712-0007-BLK		<0.1	<0.2	<10	<0.5	<0.1	<0.002	<0.01	<0.05	<0.1	<1.0	<0.2	<0.2	<0.05	<0.05



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# Certificate of Analysis

**11-360-03171-01**

Mineral Exploration Consulting

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Sample Description	Sample Type	Th	Ti	Tl	U	V	W	Y	Zn	Zr
		50-4A-UT ppm	50-4A-UT %	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm
		0.2	0.005	0.02	0.1	1	0.1	0.1	2	0.5
18001	Rock	0.6	1.006	0.06	0.4	425	0.8	33.3	70	19.7
18001 Dup		0.6	1.017	0.08	0.4	435	0.7	34.3	70	19.7
QCV1105-00712-0002-BLK		<0.2	<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
18105	Other	1.1	0.324	0.30	23.2	339	4.3	14.6	262	8.8
18105 Dup		1.0	0.309	0.31	21.6	326	5.3	14.2	252	8.0
QCV1105-00712-0005-BLK		<0.2	<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-OREAS-45P-4A expected									142	
STD-OREAS-45P-4A result									144	
QCV1105-00712-0007-BLK		<0.2	<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5