BC Geological Survey
Assessment Report
38097

BRITISH COLUMBIA
The Best Place on Earth

**Ministry of Energy, Mines & Petroleum Resources**
Mining & Minerals Division
BC Geological Survey

**Assessment Report**
**Title Page and Summary**

**TYPE OF REPORT [type of survey(s)]:** Prospecting (PR) Geochemical (C) **TOTAL COST:** 3450.00

**AUTHOR(S):** Christopher Delorme **SIGNATURE(S):** [signature]

**NOTICE OF WORK PERMIT NUMBER(S)/DATE(S):** **YEAR OF WORK:** 2018

**STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S):** 5724064

**PROPERTY NAME:** SDJV

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

**COMMODITIES SOUGHT:** Copper

**MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN:** 092HNE153 / 092HNE092

**MINING DIVISION:** Similkameen **NTS/BCGS:** 092H078 / 092H088

**LATITUDE:** ° ' " **LONGITUDE:** ° ' " **(at centre of work)**
678200E 5514200N

**OWNER(S):**
1) Christopher Delorme 2) Guy Delorme

**MAILING ADDRESS:**
340A LOGAN LANE AVE
MERRITT B.C.

**OPERATOR(S) [who paid for the work]:**
1) Chris Delorme 2)

**MAILING ADDRESS:**
SAME

**PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):**
Volcanic flows, fragmental intruded by dikes, sills and plugs Jurrasic age NW/NE faults. South eastern portion of property. flow breccia in andesitic rocks where sampled, andesite heavy pyrite

**REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS:** 5480075, 5480076, 34709, 35045

Next Page

| TYPE OF WORK IN THIS REPORT | EXTENT OF WORK (IN METRIC UNITS) | ON WHICH CLAIMS | PROJECT COSTS APPORTIONED (incl. support) |
|---|---|---|---|
| **GEOLOGICAL (scale, area)** | | | |
| Ground, mapping | | | |
| Photo interpretation | | | |
| **GEOPHYSICAL (line-kilometres)** | | | |
| Ground | | | |
| Magnetic | | | |
| Electromagnetic | | | |
| Induced Polarization | | | |
| Radiometric | | | |
| Seismic | | | |
| Other | | | |
| Airborne | | | |
| **GEOCHEMICAL (number of samples analysed for...)** | | | |
| Soil | | | |
| Silt | | | |
| Rock | X4 | | 336.84 |
| Other | | | |
| **DRILLING (total metres; number of holes, size)** | | | |
| Core | | | |
| Non-core | | | |
| **RELATED TECHNICAL** | | | |
| Sampling/assaying | | | |
| Petrographic | | | |
| Mineralographic | | | |
| Metallurgic | | | |
| **PROSPECTING (scale, area)** | | | |
| **PREPARATORY / PHYSICAL** | | | |
| Line/grid (kilometres) | | | |
| Topographic/Photogrammetric (scale, area) | | | |
| Legal surveys (scale, area) | | | |
| Road, local access (kilometres)/trail | | | |
| Trench (metres) | | | |
| Underground dev. (metres) | | | |
| Other | | | |
| | | TOTAL COST: | $3450.00 |

# TECHNICAL REPORT
ON THE
# SDJV PROPERTY

NICOLA MINING DIVISION
BRITISH COLUMBIA
ASPENGROVE

GEOCHEMICAL

CENTER OF WORK
678200E 5514200N
ZONE 10U NAD 83
BCGS 092H.078

EVENT NUMBER 572064

## AUTHOR
CHRISTOPHER DELORME
## OWNER'S
GUY DELORME/CHRISTOPHER DELORME
## OPERATOR'S
GUY DELORME/CHRISTOPHER DELORME

# TABLE OF CONTENTS

# 1.0 INTRODUCTION/SUMMARY

Christopher and Guy Delorme conducted a prospecting and geochemical program on the SDJV property during the date of October 16th, 2018. A total of four samples were taken to SGS Laboratory in Burnaby B.C. on November 29th, 2018. A Garmin etrek GPS was used in the field as well as orange flagging to identify sample locations.

The purpose of the program was to identify potential copper mineralization in the most western portion of the claim block from previous work conducted by Kaizen in 2015. Kaizen Discovery completed a Induced Polarization Survey and delineated two anomalies that border the SDJV claim's. The program was not successful in finding copper mineralization on the claims, but favorable geology was discovered in one location.

# 2.0 LOCATION AND ACCESS

The SDVJ Property is located in south-central British Columbia 187 by air Kilometers north east of Vancouver and 2km west of Missezula Lake. The center of the claim group coordinates is at an approximate geographic location UTM reading 10 U 679272E 5515430N 120.30 longitude 49.45 latitude, on map sheet NTS 092H15E and BCGS Map 092H078. The SDVJ Claim Group is approximately 45 kilometers south of Merritt B.C.

Access to the property is by taking highway 97 C from Merritt to Kelowna for a 25 km distance then turning south onto 5A towards Princeton BC for 14.8 km turning left onto Ketchan Lake forest service road for 10.49km then turn left and go 4.5km to the northern grid or turn right at of the property at 14.3km and go a further distance of 1.2km to the most southern portion of the property. To Access the Eastern entry point of the property, continue past the Ketchan Lake Forest Service Road on Highway 5A south for 37km then turn east onto Summers Creek Forest Service Road for 28km until a small off road trail is on the immediate left.

## 2.1 LOCATION MAPS


# 3.0 PHYSIOGRAPHY AND CLIMATE

The mineral claims lie within the Thompson plateau area of the larger Interior plateau region. The physiographic setting of the area is defined as the dry interior and/or Sub-Alpine belt, depending on the local elevation within the property boundaries. The property covers low, rounded hilly terrain, exhibiting a north-south fabric about Ketchan Lake.

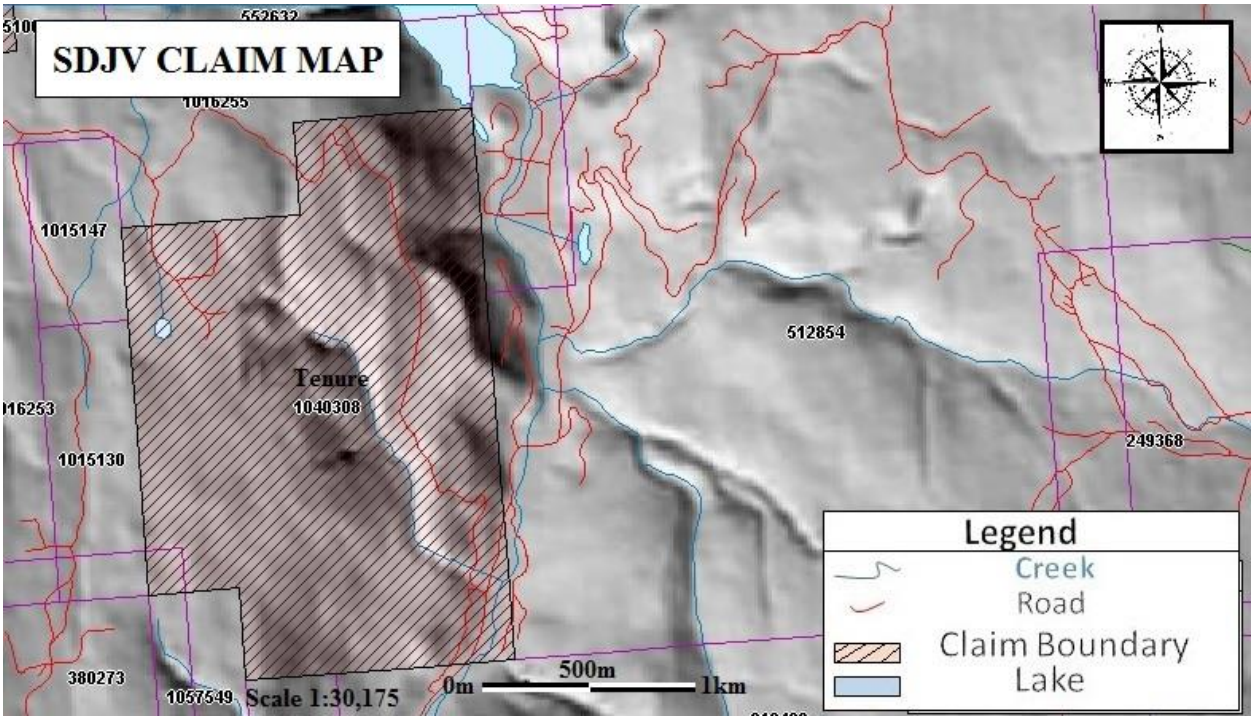
Patches of coniferous and deciduous trees interspersed with open range areas cover the property. The elevations of the claim area range from 1,265 meters (4,150 feet) to 1,433 meters (4,700 feet). The general area receives about 60-90 cm. (25”-35”) of precipitation annually depending mainly on local elevation, of which 20% may occur as a snow equivalent. The winter weather is generally moderately cold. The

summer weather could be described as variable, but most often dry and fairly hot with squally precipitation.

## 4.0 PROPERTY AND OWNERSHIP

| Owner | Tenure # | Claim Name | Area In Hectares | Good to Date |
|---|---|---|---|---|
| Christopher/Guy Delorme | 1040308 | SDJV | 438.36 | 2019/OCT/15 |
| FMC 141575/FMC 106466 | | | | |

## 4.1 CLAIM MAP



# 5.0 HISTORY

- 1929: A small shipment from the Shamrock "mine" averaged 5.78% copper (Minfile).

- 1963: Consolidated Wood green carried out trenching on the Shamrock prospect and completed 3 diamond drill holes (Minfile).

- 1979: Cominco Ltd. drilled 6 percussion holes in the central part of present claims, based on LP. Magnetic and geochemical surveys. Only two holes reached bedrock. One hole reportedly averaged 0.141% Cu over 32 meters. Further mapping and drilling were recommended (Mehner, 1979, Scott, 1979, Ostenko, 1979). There is no record of follow-up.

- 1985: Vanco Exploration carried out geochemical and geological mapping on central part of present claims. They also mapped and sampled the Shamrock prospect (Lisle, 1985). There is no record of follow-up exploration.

- 1988: Laramide Resources carried out a geochemical survey for gold in the northern part of the present claims (Watson, 1988).

- 1990: Mine quest Exploration carried out 56 kilometres of I.P.surveying on central part of present claims (Gourlay, 1990).

- 1991: Rayrock Yellowknife Mines drilled 9 percussion holes on the Mine quest property. No significant Cu or Au values are reported, but a significant, but untested, copper prospect on Zig 3 Claim was noted (Gourlay, 1991).

- 2004-2005: Copper Hill Exploration Corp. and Copper Belt Resources carried out geological and photo- geological mapping of the entire claim block, along with magnetometer and VLF surveying of one Mine quest 1990 IP anomaly area (Bergey, 2005).

Ketchan Lake Prospect

- 1962: Plateau Metals Ltd. staked the present Ketchan Lake prospect area. Later the same year, they carried out a magnetometer survey and completed 3 diamond drill holes (Minfile).

- 1966: Adera Mining Ltd. optioned the property and carried out geological and geophysical surveys, along with trenching and 512 metres of diamond drilling (Lammle, 1966; Schurr. 1966).

- 1973: Bethlehem Copper Corporation staked Log Group of mineral claims following a large-scale regional exploration program.

- 1974: Bethlehem Copper carried out geological mapping and geochemical sampling, followed by drilling of 10 percussion holes (Nethery, 1974).

- 1975: Bethlehem Copper completed 351 meters of diamond drilling in 4 holes (Anderson, 1975; Anderson, 1976). Assay results from this drilling were not published.

- 1979: Bethlehem Copper completed 410 meters in 2 diamond drill holes to test the results of an LP. Survey carried out earlier in the year (Anderson, 1979; Simpson, 1979,).

1991: Cominco Ltd. completed 15 percussion drill holes 1067 meters (Aulis, 1991).

- 1992: Cominco Ltd drilled 8 percussion holes 640 meters (Aulis, 1992).
- 2005: Copper Belt Resources drilled 10 diamond drill holes 1210 meters (Thomson, 2006).
- 2006: Copper Belt Resources drilled 2 diamond drill holes 485 meters (Thomson, 2007).

2007: Copper Belt Resources drilled 5 diamond drill holes - 931 meters (Thomson, 2007).

- 2014 Christopher Delorme Magnetometer Survey over the Ketchan South Property 2.35 km ARIS 34709

- 2014 Laurence Sookochoff, Structural Analysis over the Ketchan Property 104 Hectares ARIS 35045

- 2017 Christopher Delorme, Geochemical and Prospecting report over the SDJV Property ARIS 37347

# 6.0 REGIONAL GEOLOGY

The geological history of the underlying rocks in this area is thought to be representative of a northwest-southeast trending island arc depositional environment that is cut by steeply dipping north-south faults. The predominant lithology has the oldest rock units assigned to the Nicola Group of Upper Triassic to Lower Jurassic age. The Nicola Group (Nicola), in this general area has been divided into three distinct, adjacent, elongate (structurally controlled), volcano (igneous) sedimentary assemblages or belts which are not considered to be of strictly

contemporaneous age. These belts are defined as follows: the Central Belt is the oldest while the Eastern Belt is next oldest. Both are thought to be locally derived and are of alkali igneous (some calcalkaline) composition, The youngest, Western Belt of the Nicola Group does not appear to be strictly, locally derived and are mainly of calcalkaline composition. The origin and composition of the Nicola (the three belts) from oldest to youngest are described as follows:

a) Central Belt – sub aerial and submarine assemblages; pyroxene and plagioclase abundant andesitic to basaltic flows, breccia, conglomerate and lahar deposits; coeval intrusives mainly diorite and lesser syenite. b) Eastern Belt - submarine volcano-sedimentary units, lahars, basalt flows and high-level syenitic stocks.

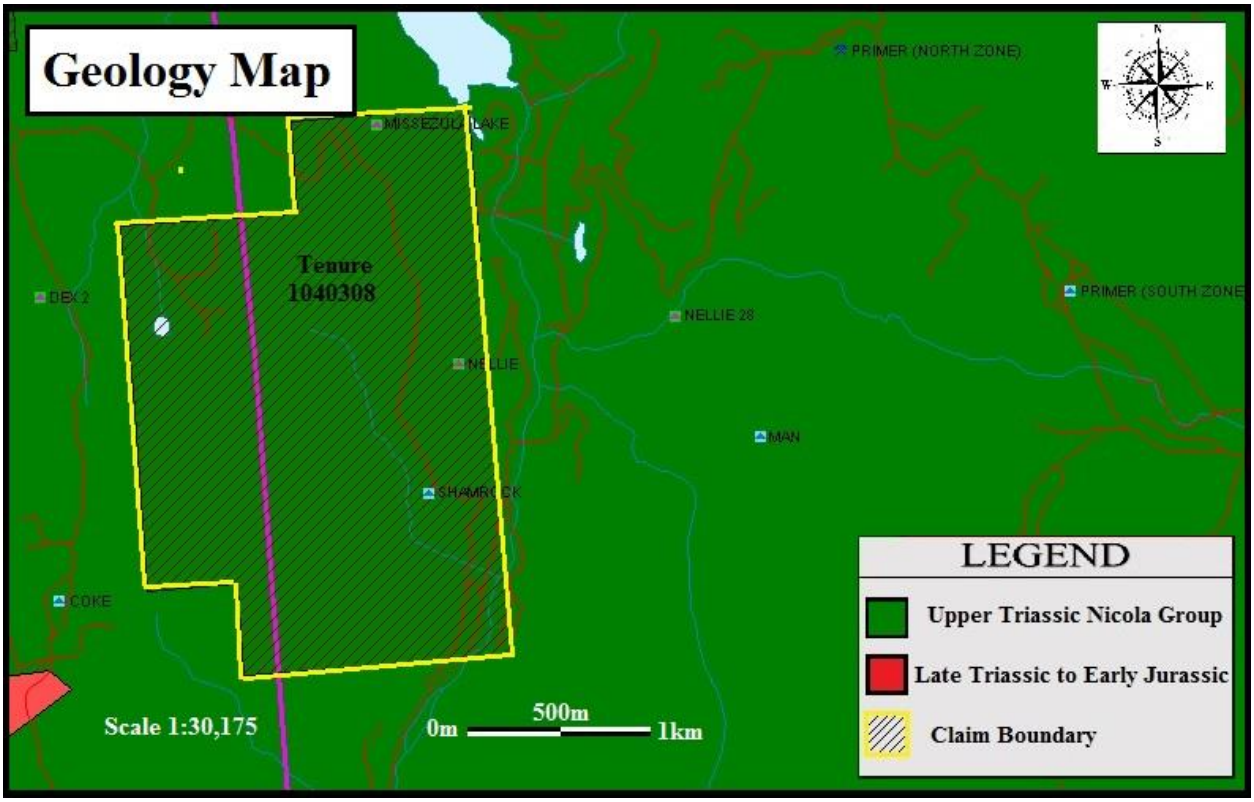
c) Western Belt - flow and pyroclastic rocks ranging in composition from andesite to rhyolite and interbedded sediments as limestone, volcanic conglomerate and sandstone (fossiliferous). The Nicola and its' equivalents form an elongated belt of eugeosynclinal rocks which are observed from near the 49'I' parallel, trending northward for over 240 kilometers (150 miles) and possibly beyond to northern British Columbia and the Yukon Territory for a possible total distance of 1,300 km (800 miles). The width of the Nicola locally approaches 50 km (30 miles) in places and is often bound on its' east margin by Jurassic or later intrusives and volcanic's and on the west by Jurassic/Tertiary aged intrusives and Carboniferous to Tertiary volcanic's. The next oldest rocks in the general area are non-correlated sediments thought to 'be of Lower Jurassic to Lower Cretaceous age. The next youngest units are variable units of igneous and sedimentary rocks assigned to the Kingsvale Group of Lower Cretaceous age. The next youngest units are a variety of well-rounded, boulder conglomerates of post Lower Cretaceous age. The next youngest rocks observed in the general area are the more acidic,

calcalkaline intrusive rocks which are seen to range in composition from granite through quartz diorite, these units have been assigned an Upper Cretaceous or Lower Tertiary age. The youngest rocks observed in the general area are those of the Princeton Group, assigned a Tertiary age and comprised of a lower volcanic unit of andesite or basalt and an upper sedimentary unit composed of shale, sandstone, conglomerate which are sometimes seen to contain economic occurrences of coal. The lower Princeton Group volcanic's have been observed, in places to lay, uncomfortably over portions of the Upper Triassic aged Copper Mountain intrusions that are thought to be coeval with the Nicola volcanic rocks of the area .The Nicola is found in places to have been cut by small stocks and dykes of ages varying from late Triassic into the Tertiary The general area has also experienced widespread faulting which display an east-west and north easterly trend that in turn have sometimes been cut by younger northerly trending faults, For example in the Copper Mountain-Inger belle Mine area, in the southern portion of the Nicola ,the boundary of the Copper Mountain Stock is truncated by the north trending, west dipping "Boundary Fault". East of the Boundary Fault, faulting is generally east-west, northwesterly and north easterly. The connection, if there is one between the Boundary Fault on the south and Fault(s) on the north side of the Town of Princeton, BC is masked by the large, Tertiary aged Princeton Basin. These faults may have affected the ore control which poses the possibility of much younger hydrothermal sources of mineralization, possibly Tertiary. Within the major southeastern lobe of the Nicola Group some 39 km. east-southeast of Princeton, B.C. occurs the famous lode gold mines of the Hedley area. These deposits are found to occur within metamorphosed limestone units (skarns) of the Nicola near diorite gabbro intrusive contacts.

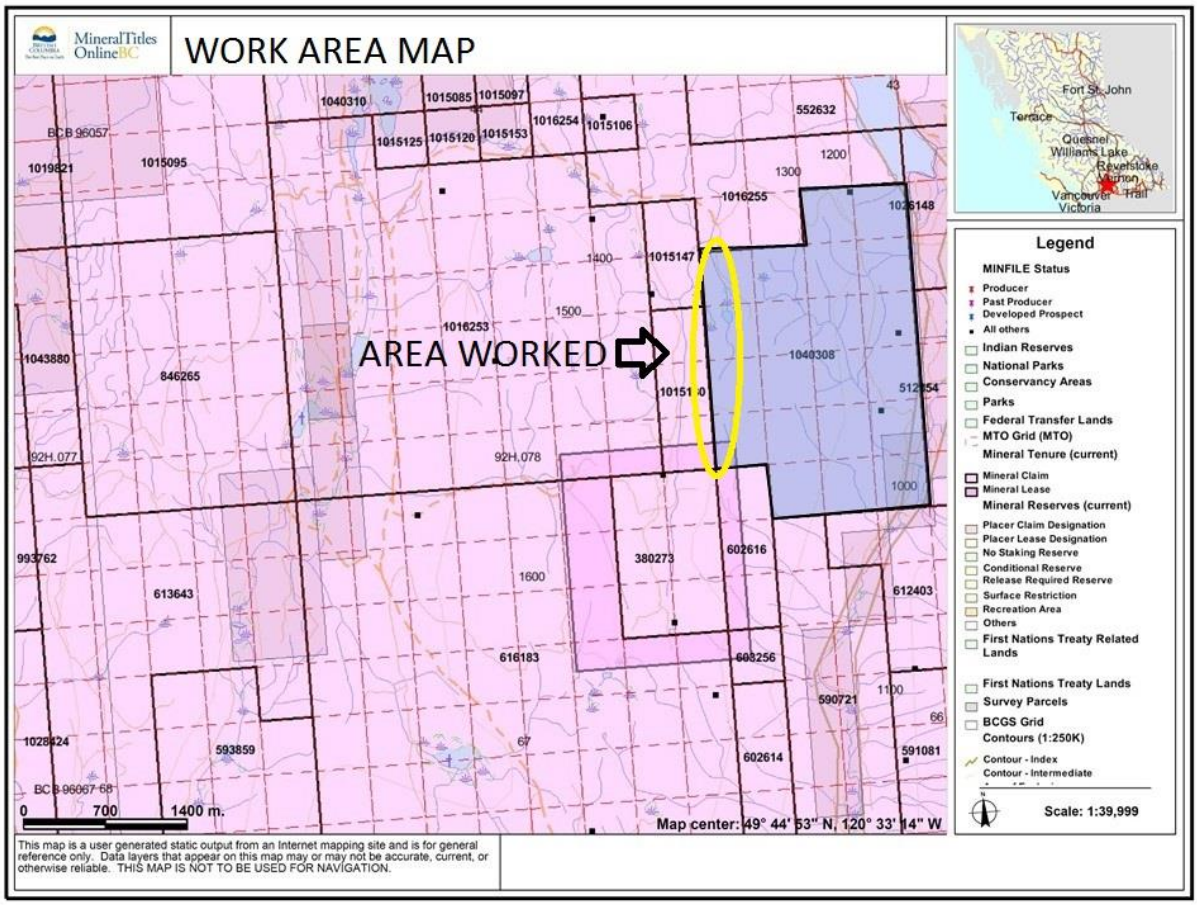
# 7.0 LOCAL GEOLOGY

Volcanic flows and Fragmental intruded by dikes, sills and plugs of Jurassic age. The region is extensively faulted including the prominent north striking Allison Lake, Otter Creek and Summers Creek faults. Numerous north-west and north - east trending faults, shears and breccia zones branch from these major faults .Copper mineralization is widespread and is generally found in Nicola group rocks associated with intensive faulting and brecciation .Minerals observed i n the claims area are chalcopyrite, chalcocite and pyrite disseminated in a feldspar porphyry andesite flow breccia .A narrow northerly striking chalcocite vein is observed west of Summers Creek and much malachite and azurite staining is observed in a recent trench in a creek canyon on the eastern side of the property .Most observed mineralization to date occurs between 3,400 and 3,600feet A.S.L. and appears to favor a single bed and to be fracture controlled .

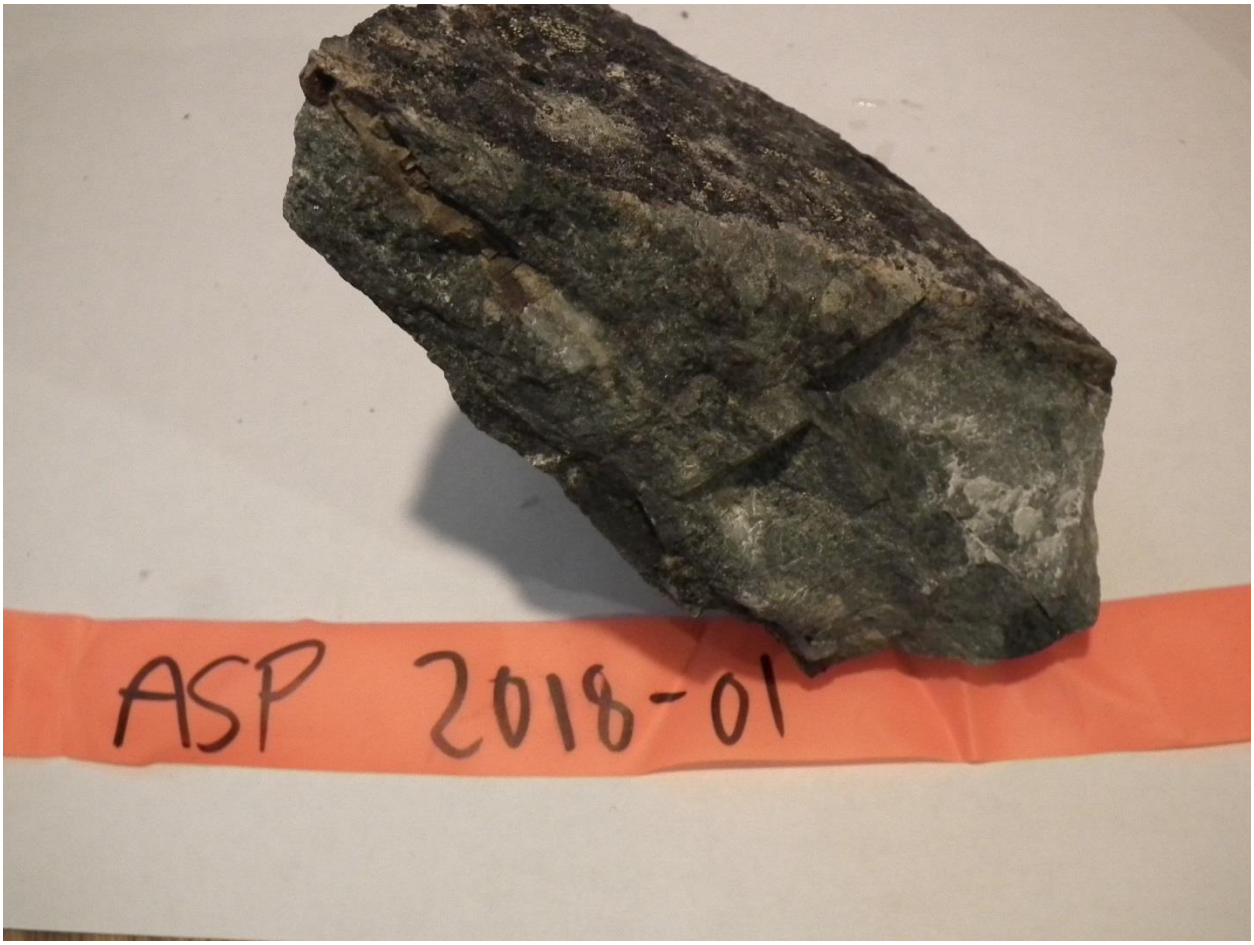
# 7.1 GEOLOGY MAP



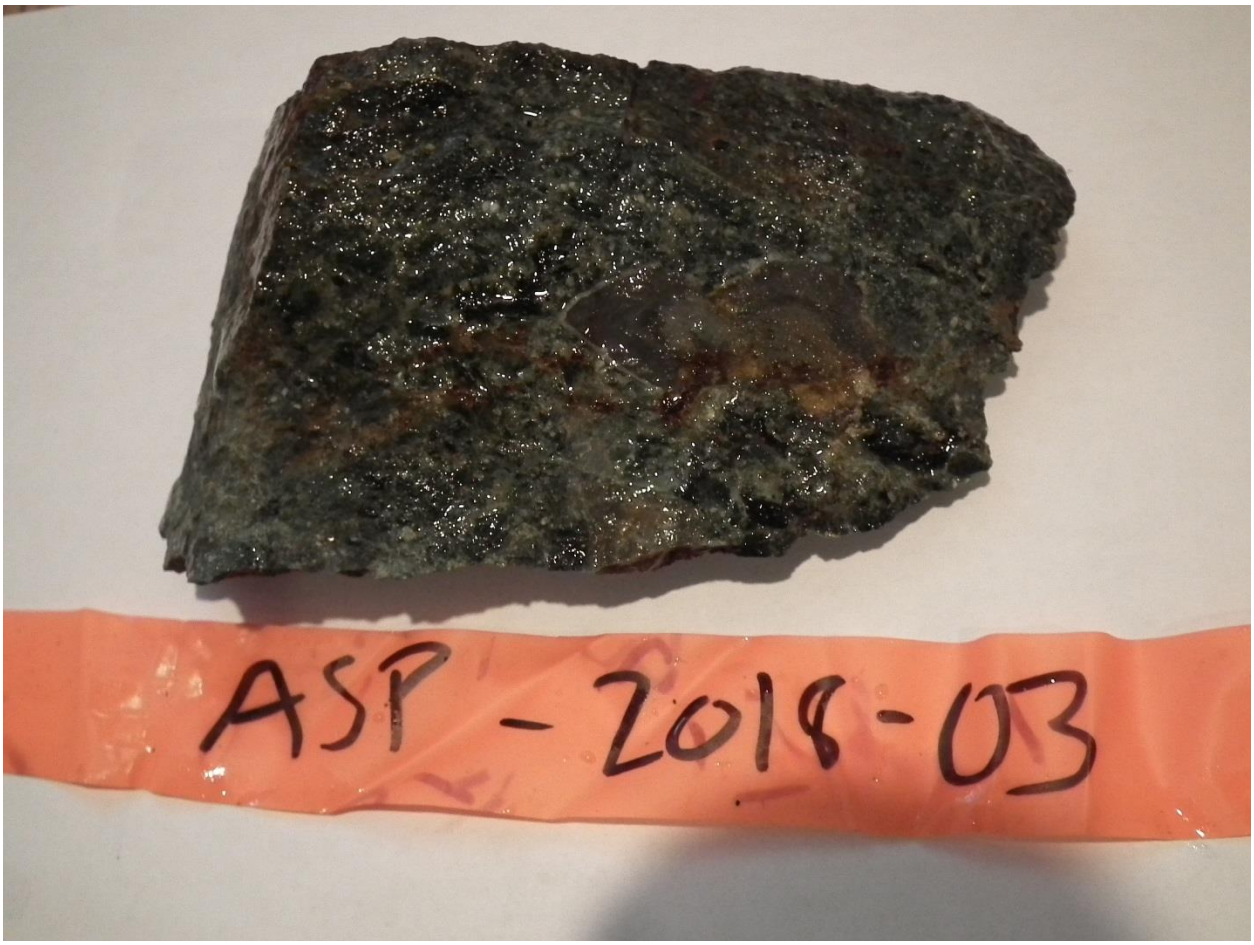
# 8.0 WORK AREA MAP



# 9.0 Photos Rock Samples

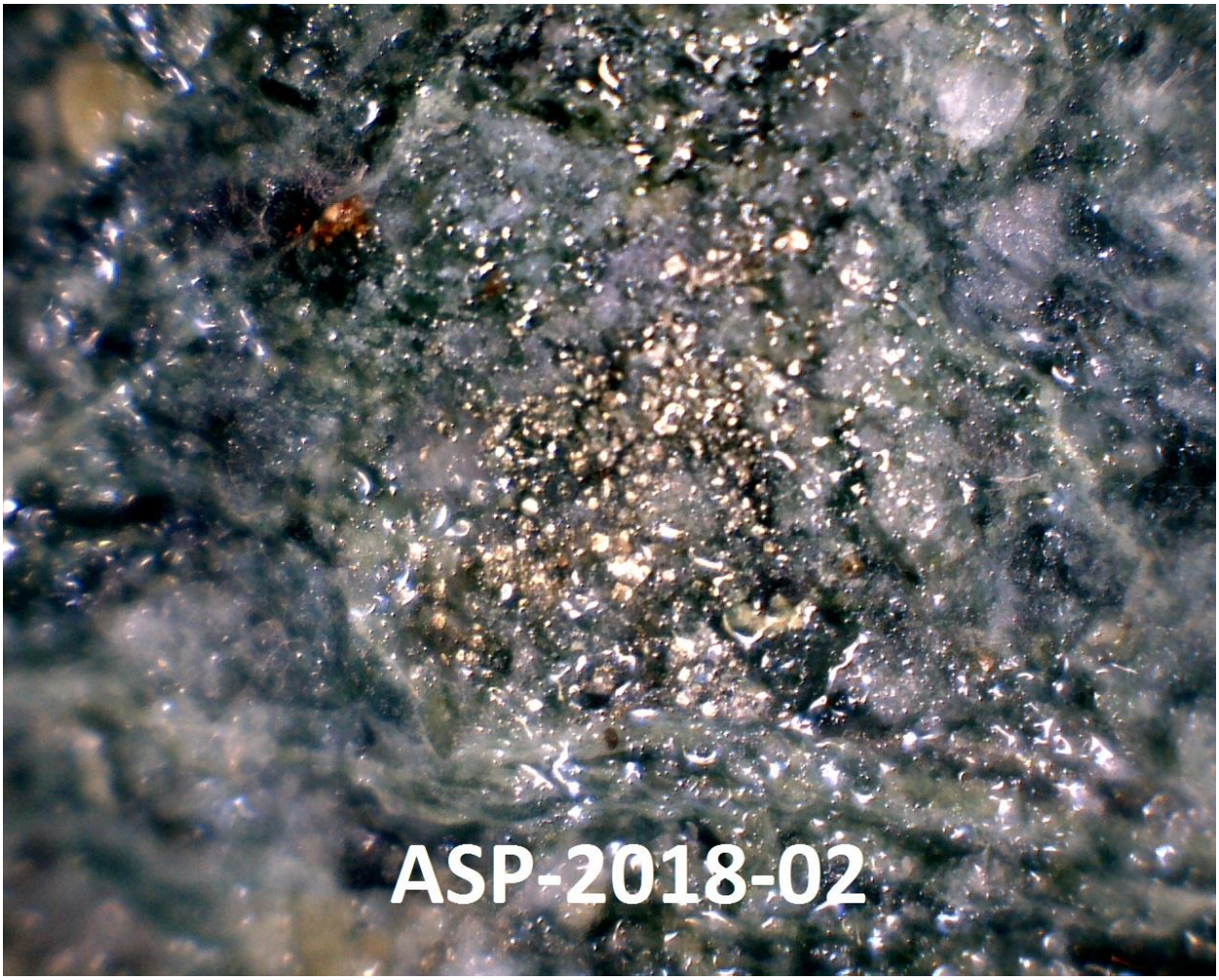


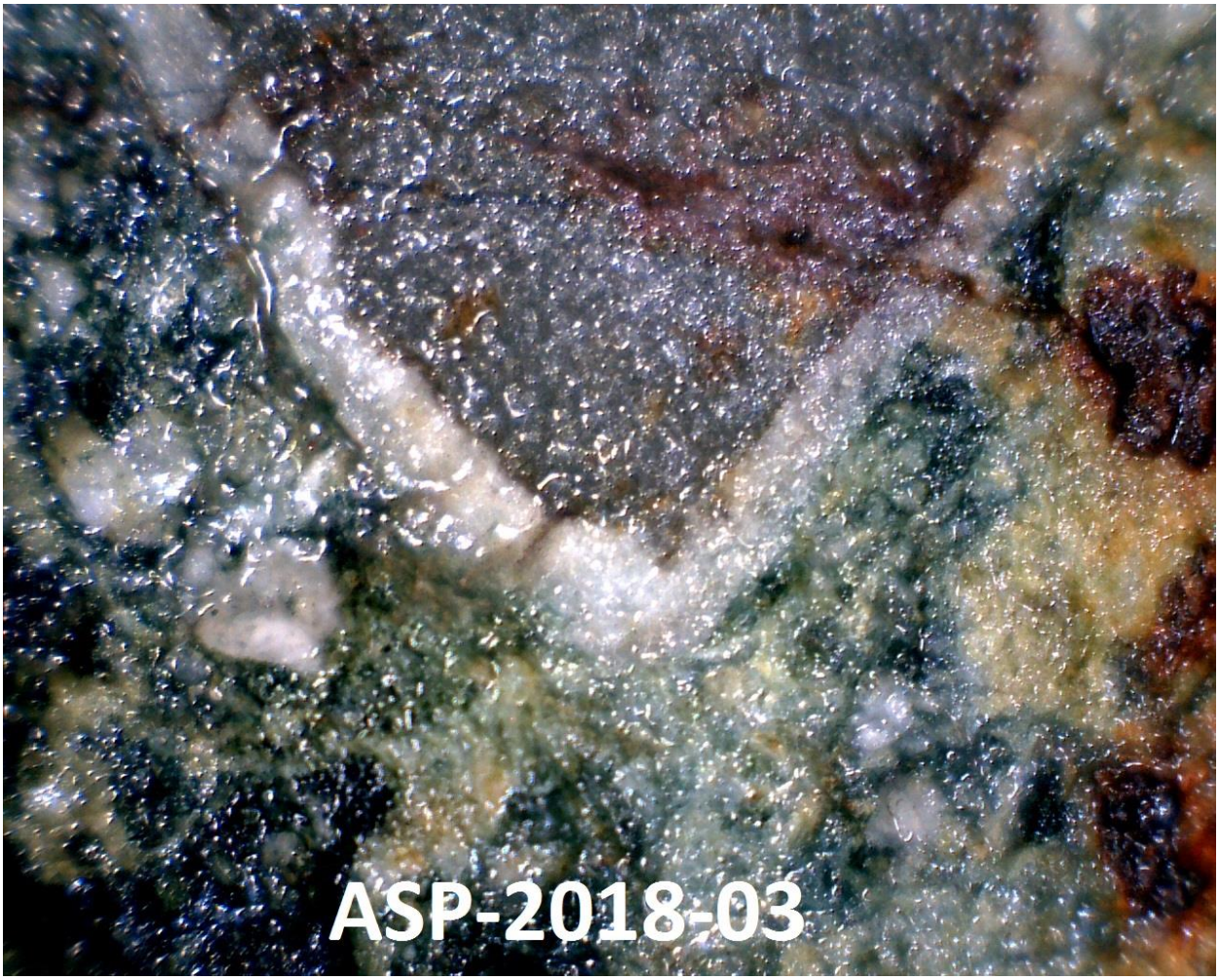

ASP-2018-02


ASP - 2018 - 03


## 9.1 Microscopic Photos 30X


ASP-2018-01


ASP-2018-02


ASP-2018-03

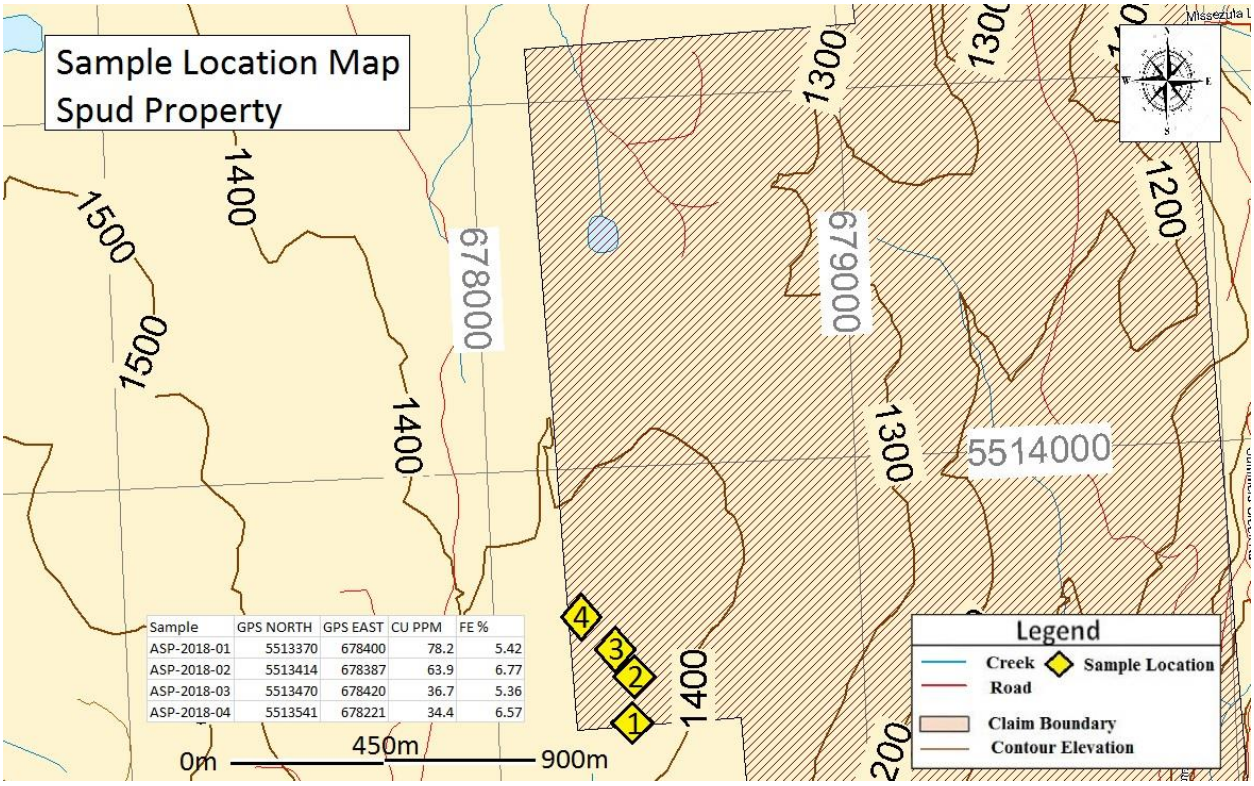

ASP-2018-04

# 10.0 SAMPLE DESCRIPTION/RESULTS

| Rock Description ASP | GPS NORTH | GPS EAST | Type | Description | Texture | Minerals | Magnetic |
|---|---|---|---|---|---|---|---|
| ASP-2018-01 | 5513370 | 678400 | Grab | Andesite | Porphyritic | Pyrite | no |
| ASP-2018-02 | 5513414 | 678387 | Grab | Andestic Flow Breccia | Porphyritic | Pyrite | no |
| ASP-2018-03 | 5513470 | 678420 | Grab | Andesite | Porphyritic | Pyrite | no |
| ASP-2018-04 | 5513541 | 678221 | Grab | Andesite | Porphyritic | Pyrite | no |

| ASP Results | GPS NORTH | GPS EAST | Cu PPM | Fe% |
|---|---|---|---|---|
| ASP-2018-01 | 5513370 | 678400 | 78.2 | 5.42 |
| ASP-2018-02 | 5513414 | 678387 | 63.9 | 6.77 |
| ASP-2018-03 | 5513470 | 678420 | 36.7 | 5.36 |
| ASP-2018-04 | 5513541 | 678221 | 34.4 | 6.57 |

# 10.1 SAMPLE LOCATION MAP




# 11.0 ASSAY RESULTS

SGS

Invoice No. Informational
Date 29-Nov-2018
Work Worder No. VC184436
Order No. INGENUITY / TEST: 5 Rocks

Attn: Christopher Delorme
INGENUITY EXPLORATION



## PROFORMA INVOICE

| Item | Quantity | Unit Price | Amount |
|---|---|---|---|
| Job : VC184436,Orderno INGENUITY / TEST: 5 Rocks | | | |
| Pre-preparation processing, sorting, logging, boxing | 5 | 0.60 | 3.00 |
| Weighing of samples and reporting of weights | 5 | 1.25 | 6.25 |
| Weigh, dry(<3.0 kg), crush to 75% passing 2mm, split 250g, p | 5 | 9.00 | 45.00 |
| Aqua Regia digestion/ICP-AES package | 5 | 13.10 | 65.50 |
| Job : VC184437,Orderno INGENUITY / TEST: 15 Soil | | | |
| Pre-preparation processing, sorting, logging, boxing | 15 | 0.60 | 9.00 |
| Weighing of samples and reporting of weights | 15 | 1.25 | 18.75 |
| weigh, dry @60C, screen -80mesh (180µm), <1kg (soils) | 15 | 3.80 | 57.00 |
| Aqua Regia digestion/ICP-AES package | 15 | 13.10 | 196.50 |
| *over-weight charges and over range analysis are not included, and will be extra cost if required | | | |
| **Job will start upon receipt of prepayment for COD clients | | | |
| Total Services | | | 401.00 |
| Tax | | | 20.05 |
| **Total** **CAD** | | | **421.05** |

SGS Canada Inc.

Minerals Services 3260 Production Way Burnaby BC V5A 4W4 t(604)638-2349 f(604)444-5486 www.sgs.ca

Member of the SGS Group (Société Générale de Surveillance)

SGS

# Certificate of Analysis
## Work Order : VC184436
## [Report File No.: 0000033443]

**Date:** December 27, 2018

**To:** **Christopher Delorme**
**COD SGS MINERALS - GEOCHEM VANCOUVER**
INGENUITY EXPLORATION

**P.O. No.:** INGENUITY / TEST: 5 Rocks
**Project No.:** -
**Samples:** 5
**Received:** Nov 27, 2018
**Pages:** Page 1 to 6
(Inclusive of Cover Sheet)

**Methods Summary**

| No. Of Samples | Method Code | Description |
|---|---|---|
| 5 | G_LOG02 | Pre-preparation processing, sorting, logging, boxing |
| 5 | G_WGH79 | Weighing of samples and reporting of weights |
| 5 | G_PRP89 | Weigh, dry,(up to3.0 kg) crush to 75% passing 2 mm, split 250 g, pulverize to |
| 5 | G_PUL45 | Pulverize 250g, Cr Steel, 85% passing 75 microns |
| 5 | GE_ICP14B | Aqua Regia digestion/ICP-AES package |

**Storage: Pulp & Reject**

| | | |
|---|---|---|
| REJECT STORAGE | : | DISPOSE AFTER 30 DAYS |
| PULP STORAGE | : | DISPOSE AFTER 90 DAYS |

Certified By :

Gerald Chik
Operations Manager/Chief Chemist

***SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at http://www.scc.ca/en/search/palcan/sgs***

Report Footer:

| | | | |
|---|---|---|---|
| L.N.R. | = Listed not received | I.S. | = Insufficient Sample |
| n.a. | = Not applicable | -- | = No result |

*INF = Composition of this sample makes detection impossible by this method

*M* after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Elements marked with the **@** symbol (e.g. @Cu) denote assays performed using accredited test methods



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| Element | WtKg | @Ag | @Al | @As | @Ba | @Be | @Bi | @Ca |
|---|---|---|---|---|---|---|---|---|
| Method | G_WGH79 | GE_ICP14B | GE_ICP14B | GE_ICP14B | GE_ICP14B | GE_ICP14B | GE_ICP14B | GE_ICP14B |
| Det.Lim. | 0.01 | 2 | 0.01 | 3 | 5 | 0.5 | 5 | 0.01 |
| Units | kg | ppm | % | ppm | ppm | ppm | ppm | % |
| ASP-1 | 0.970 | <2 | 3.12 | <3 | 5 | <0.5 | <5 | 1.91 |
| ASP-2 | 0.345 | <2 | 3.80 | <3 | 52 | <0.5 | <5 | 1.32 |
| ASP-3 | 0.510 | <2 | 2.95 | <3 | 23 | <0.5 | <5 | 0.86 |
| ASP-4 | 0.400 | <2 | 3.76 | <3 | 12 | <0.5 | <5 | 0.84 |
| ARG-1 | 0.805 | <2 | 0.38 | <3 | 43 | <0.5 | <5 | 0.07 |
| *Rep ASP-1 | | <2 | 3.04 | <3 | 7 | <0.5 | <5 | 1.90 |
| *Blk BLANK | | <2 | <0.01 | <3 | <5 | <0.5 | <5 | <0.01 |
| *Std OREAS502B | | 2 | 1.86 | 15 | 312 | <0.5 | <5 | 1.09 |



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| Element | @Cd | @Co | @Cr | @Cu | @Fe | @Hg | @K | @La |
|---|---|---|---|---|---|---|---|---|
| Method | GE_ICP14B | GE_ICP14B | GE_ICP14B | GE_ICP14B | GE_ICP14B | GE_ICP14B | GE_ICP14B | GE_ICP14B |
| Det.Lim. | 1 | 1 | 1 | 0.5 | 0.01 | 1 | 0.01 | 0.5 |
| Units | ppm | ppm | ppm | ppm | % | ppm | % | ppm |
| ASP-1 | <1 | 24 | 9 | 78.2 | 5.42 | 1 | 0.02 | 1.1 |
| ASP-2 | <1 | 22 | 8 | 63.9 | 6.77 | <1 | 0.03 | 0.7 |
| ASP-3 | <1 | 21 | 25 | 36.7 | 5.36 | <1 | 0.06 | 3.0 |
| ASP-4 | <1 | 17 | 21 | 34.4 | 6.57 | <1 | 0.15 | 2.2 |
| ARG-1 | <1 | 1 | 6 | 2.2 | 0.85 | <1 | 0.22 | 21.1 |
| *Rep ASP-1 | <1 | 23 | 9 | 80.7 | 5.26 | <1 | 0.02 | 1.2 |
| *Blk BLANK | <1 | <1 | <1 | <0.5 | <0.01 | <1 | <0.01 | <0.5 |
| *Std OREAS502B | <1 | 18 | 85 | 7670 | 5.29 | <1 | 1.03 | 27.9 |



SGS Canada Inc. Minerals Suite E - 3260 Production Way Burnaby BC t(604) 638-2349 f(604) 444-5486 www.ca.sgs.com

| Element | @Li | @Mg | @Mn | @Mo | @Na | @Ni | @P | @Pb |
|---|---|---|---|---|---|---|---|---|
| Method | GE_ICP14B | GE_ICP14B | GE_ICP14B | GE_ICP14B | GE_ICP14B | GE_ICP14B | GE_ICP14B | GE_ICP14B |
| Det.Lim. | 1 | 0.01 | 2 | 1 | 0.01 | 1 | 0.01 | 2 |
| Units | ppm | % | ppm | ppm | % | ppm | % | ppm |
| ASP-1 | 10 | 2.61 | 949 | <1 | 0.04 | 8 | 0.08 | <2 |
| ASP-2 | 13 | 3.51 | 1030 | <1 | 0.04 | 8 | 0.08 | <2 |
| ASP-3 | 11 | 2.77 | 893 | <1 | 0.07 | 12 | 0.06 | <2 |
| ASP-4 | 15 | 3.70 | 656 | <1 | 0.06 | 9 | 0.09 | <2 |
| ARG-1 | <1 | 0.03 | 328 | <1 | 0.07 | 1 | 0.02 | 7 |
| *Rep ASP-1 | 10 | 2.56 | 908 | <1 | 0.04 | 8 | 0.07 | <2 |
| *Blk BLANK | <1 | <0.01 | <2 | <1 | <0.01 | <1 | <0.01 | <2 |
| *Std OREAS502B | 30 | 1.27 | 409 | 239 | 0.15 | 35 | 0.11 | 3 |



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SGS



| Element | @S | @Sb | @Sc | @Sn | @Sr | @Ti | @V | @W |
|---|---|---|---|---|---|---|---|---|
| Method | GE_ICP14B | GE_ICP14B | GE_ICP14B | GE_ICP14B | GE_ICP14B | GE_ICP14B | GE_ICP14B | GE_ICP14B |
| Det.Lim. | 0.01 | 5 | 0.5 | 10 | 0.5 | 0.01 | 1 | 10 |
| Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm |
| ASP-1 | 0.16 | <5 | 7.9 | <10 | 50.9 | 0.36 | 131 | 20 |
| ASP-2 | 0.12 | <5 | 6.1 | <10 | 46.3 | 0.34 | 143 | 30 |
| ASP-3 | 0.34 | <5 | 7.6 | <10 | 52.6 | 0.27 | 59 | 30 |
| ASP-4 | 0.61 | <5 | 8.0 | <10 | 20.2 | 0.26 | 106 | 30 |
| ARG-1 | <0.01 | <5 | 0.5 | <10 | 8.3 | <0.01 | 5 | <10 |
| *Rep ASP-1 | 0.16 | <5 | 8.0 | <10 | 59.9 | 0.36 | 130 | 20 |
| *Blk BLANK | <0.01 | <5 | <0.5 | <10 | <0.5 | <0.01 | <1 | <10 |
| *Std OREAS502B | 1.03 | <5 | 6.5 | <10 | 66.7 | 0.32 | 110 | 30 |



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| Element | @Y | @Zn | @Zr |
|---|---|---|---|
| Method | GE_ICP14B | GE_ICP14B | GE_ICP14B |
| Det.Lim. | 0.5 | 1 | 0.5 |
| Units | ppm | ppm | ppm |
| ASP-1 | 8.3 | 69 | 10.2 |
| ASP-2 | 5.2 | 87 | 6.9 |
| ASP-3 | 13.8 | 78 | 13.8 |
| ASP-4 | 14.0 | 107 | 10.1 |
| ARG-1 | 10.2 | 9 | 13.9 |
| *Rep ASP-1 | 8.3 | 66 | 10.2 |
| *Blk BLANK | <0.5 | <1 | <0.5 |
| *Std OREAS502B | 14.9 | 122 | 11.6 |



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# 12.0 CONCLUSIONS AND RECCOMENDATIONS

The 2018 prospecting and geochemical survey was unsuccessful in finding mineralization on the western portion of the property. One sample ASP-2018-02 did however resemble similar geological features to that of previous exploratory work conducted by the author in 2017 further on the eastern portion of the claims at lower elevations. This brecciated sample may be close to potential mineralization further east from this sample point. All of the rocks sampled had appreciable amounts of pyrite which is indictive of a halo effect from the latter IP chargeability anomalies located adjacent to west of the property boundary. North from the sampled areas is 99% covered with overburden. No future prospecting is recommended in this area north of the sampled areas and in the vicinity of the samples taken.

# 13.0 AUTHOR" S QUALIFICATION'S

The author has spent over 20 years in the exploration industry. Work related experience has been over the past 20 years or more, staking mineral claims in the USA and Canada, conducting or working on the crew of geophysics with methods of VLF, Magnetometer, Induced Polarization and Self-Potential Survey's. Conducted numerous soil sampling surveys and line cutting. I have also worked on over 15 different types of diamond drills, have experience in roadbuilding and heavy equipment operation, completed reclamation requirements on

mineral properties, researching mineral properties, evaluating data, prospecting and report writing and preparation as well as permitting and first nation consultation. The Author has also worked on an operating mine from weighing in the trucks of ore to final stages of shipping the ore.

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# 15.0 COST STATEMENT

| | | | |
|---|---|---|---|
| Report Maps | | | 1500 |
| Propsecting | October 16th Guy and Chris Delorme | $400 each per day | 800 |
| Lab | Samples (minus 1 sample ) | | 336.84 |
| Truck | To Property/Drop off samples | 700km @.50 | 350 |
| Drop off Samples | November 29th Burnaby | | 200 |
| Food Lodging | | | 200 |
| Misc Supplies | | | 63.16 |
| | | Total | **3450** |