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BC Geological Survey Assessment Report 38720

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)]: Geochemical sampling report **TOTAL COST:** $16,658.71

AUTHOR(S): Bernard Kreft, Jarret Kreft **SIGNATURE(S):** original signed

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): **YEAR OF WORK:** 2019

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): 5764576

PROPERTY NAME: Nak

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

COMMODITIES SOUGHT: Cu

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: 093M 010

MINING DIVISION: Omineca **NTS/BCGS:** NTS: 093M08 BCGS: 093M029

LATITUDE: 55 ° 16 ' " **LONGITUDE:** 126 ° 13 ' " **(at centre of work)**

OWNER(S):
1) Bernard Kreft 2)

MAILING ADDRESS:
1 Locust Place, Whitehorse YT, Y1A 5G9

OPERATOR(S) [who paid for the work]:
1) Generation Mining Limited 2)

MAILING ADDRESS:
100 King Street West Suite 7010, PO Box 70
Toronto, ON M5X 1B1

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):
Babine porphyry belt, Jurassic Hazelton Group, Eocene Babine intrusion, chalcopyrite, bornite

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: 1198, 2959, 3311, 22143, 23358, 23848
24273, 24479, 24758, *24928, 25100, 25376, 29855, 30986, 31285, 32356, 34934, 37959

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	96 AQ201 15g multi-element ICP		
Silt			
Rock			
Other	96 biogeochemical (tree) AQ200	0.5g multi-element ICP	
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:	$16,658.71

Assessment Report

2019 Geochemical Sampling Report

On The
Nak Property

Tenure Worked On: 1071203

Located In The Nakinilerak Lake Area
Central British Columbia
Omineca Mining Division
On
NTS: 093M08
BCGS: 093M029
Latitude 55°16' North and Longitude 126°13' West

By
Bernie Kreft

December 25th, 2019

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Location – The Nak project is located on BCGS map sheet 093M029 in the Omineca Mining Division approximately 80.0 kilometres northeast of the town of Smithers, B.C. northeast of Nakinilerak Lake, centered at 55°16' North and 126°13' West. A total of 4 tenures and 1,639.9 hectares comprise the project, with tenure data found on the following table:

Name	Tenure Number	Registered Owner	Expiry Date	Area (Ha)
Nak Core	1071203	114661 (100%)	2021/DEC/15	239.54
Nak 1	1071205	114661 (100%)	2021/DEC/15	368.53
Nak 2	1071206	114661 (100%)	2021/DEC/15	939.66
Dorothy Ext	1071207	114661 (100%)	2021/DEC/15	92.18

Access – Access to the property is typically achieved by truck via Highway 118 to Topley Landing then by barge (operated by Babine Barge Limited) across Babine Lake and then by the well-maintained Jinx and Nakinilerak logging roads leading to fresh clear cuts approximately 1.5 kilometres southwest of the work area. Total distance from the barge landing to the clear cut closest to the Nak South Zone is approximately 56.5 kilometres with this route resulting in a one-way travel time of approximately 45 minutes.

Due to the Babine Barge Limited barge not operating during the course of the program, access for the 2019 field program was via logging roads from Smithers BC. The following route was used: take the Babine lake road to km marker 50.5, turn left onto the 4000 road which is followed for 59km, turn right onto the 5000 road which is followed south for 42km, then take the Hagen road south from km 39 to km 10 and turn left onto the Jinx road and head north to the Nak road which is followed to the project.

Topography and Vegetation – The property is located in the Nechako Plateau which in the Babine region is characterized by basin and range topography. Deeply incised valleys are commonly filled with lakes and large streams while uplands are heavily forested with white spruce and lodgepole pine. Swampy and low lying areas are often covered by thick accumulations of brush and devil's club and are a hindrance to ground traversing.

Extensive glacial sediments cover the area limiting the effectiveness of ground prospecting techniques to areas such as steep slopes and ridge tops where isolated outcrops occasionally occur. Glacial direction was predominantly from the northwest to the southeast.

Forestry and logging is the main economic activity in the area with numerous clear cuts of various ages scattered throughout the property. Recent cut blocks occur within 1.5 kilometres to the south of the main work area with further logging planned for the area of the South Zone during the winter of 2019-20.

History And Previous Work

The Nak property is located in the Omineca Mining Division approximately 80 kilometres northeast of Smithers, B.C. The property covers a sizeable area of known copper porphyry style mineralization and alteration associated with the Babine porphyry belt.

The belt is approximately 80 kilometers long and includes twelve significant porphyry copper deposits and prospects including the Bell and Granisle past producers. The estimated value of known in-ground mineral resources in the area is $1.96 billion and the value of past production is estimated at $1.13 billion (1986 dollars).

1964-1971: Following the discovery of anomalous copper values in stream sediments northeast of Nakinilerak Lake, Noranda Exploration Company Ltd. Performed mineral exploration work on the

Property Location Map (Provincial)
To Accompany 2019 NAK Assessment Report

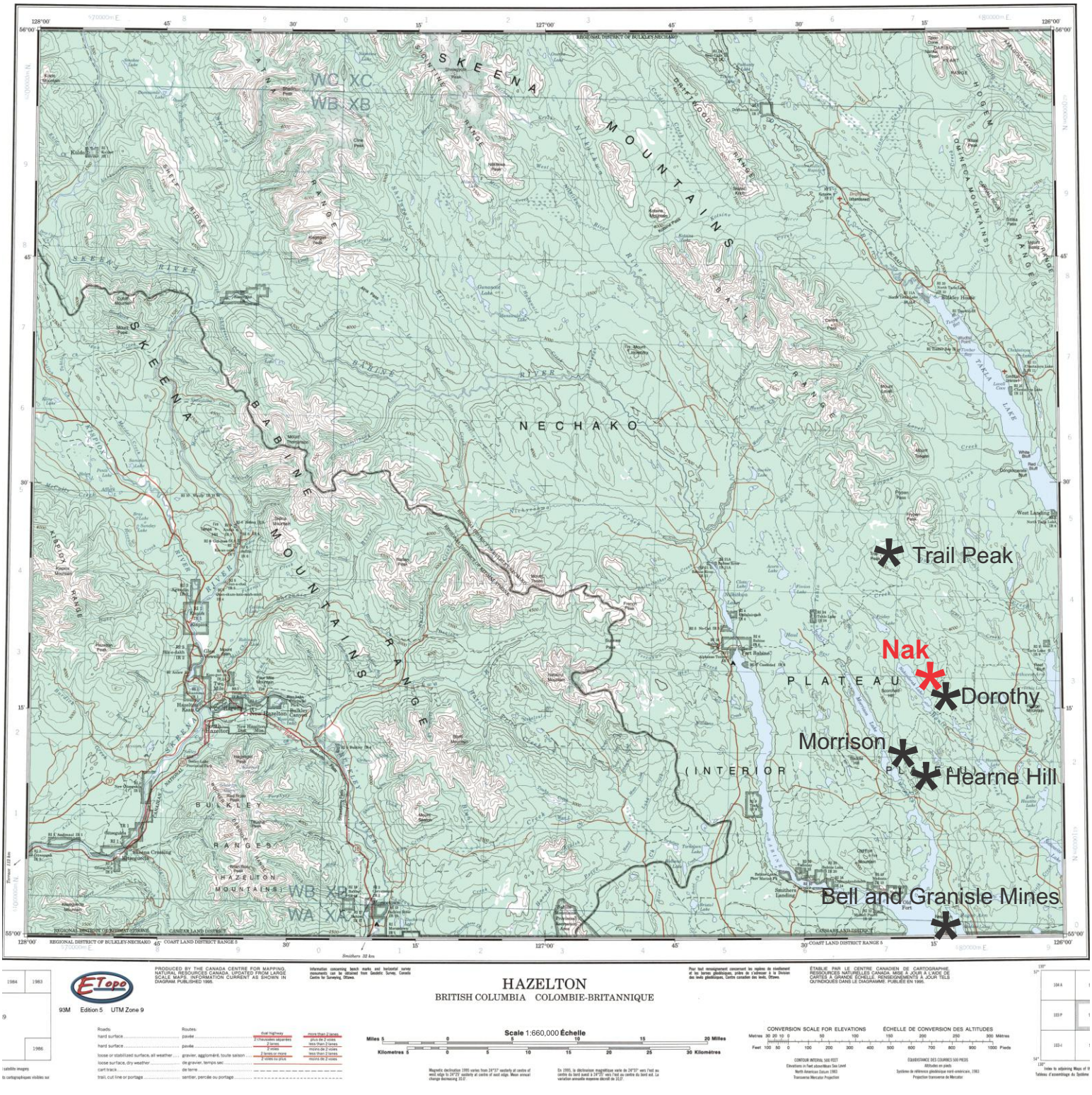
* = Property Location

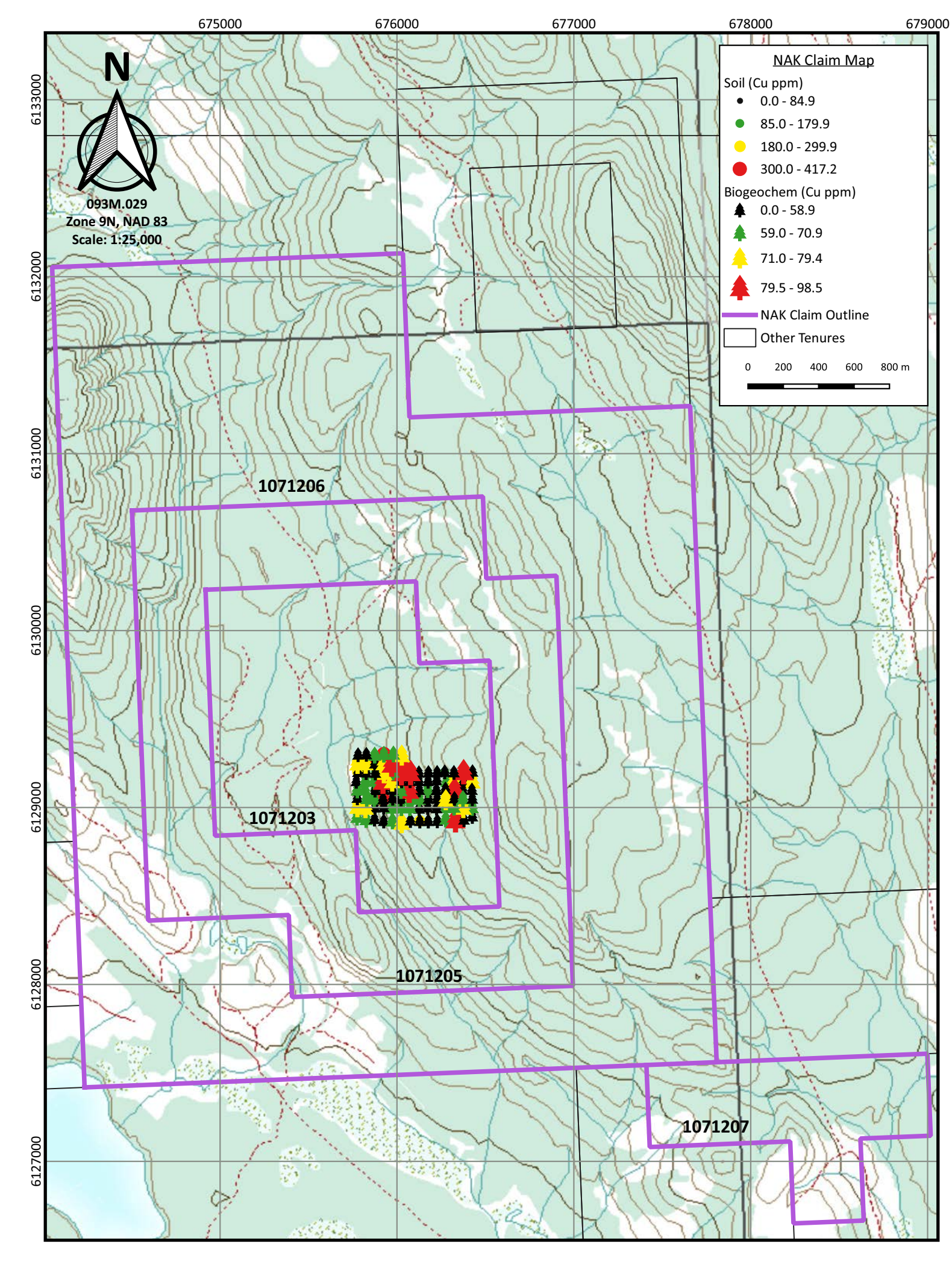
Date Drawn: December 24th, 2019
Drawn By: Jarret Kreft

Fig1

0 75 150 300
kilometres

Significant Regional Targets - figure 2




675000
676000
677000
678000
679000
6133000
6132000
6131000
6130000
6129000
6128000
6127000
N
093M.029
Zone 9N, NAD 83
Scale: 1:25,000
NAK Claim Map
Soil (Cu ppm)
0.0 - 84.9
85.0 - 179.9
180.0 - 299.9
300.0 - 417.2
Biogeochem (Cu ppm)
0.0 - 58.9
59.0 - 70.9
71.0 - 79.4
79.5 - 98.5
NAK Claim Outline
Other Tenures
0 200 400 600 800 m
1071206
1071203
1071205
1071207

ground covered by the Nak Property between 1964 and 1970. This included soil geochemical, surface geophysical and geological mapping surveys. As well, limited trenching and diamond drilling of 28 holes totalling 1,837 metres in length was performed. In 1971 geological, geochemical and geophysical surveys were also conducted by Noranda on the Sno claim group southeast of the main Nak property. This area became the south-western part of the Nak claims.

Early 1970's: Ducanex Resources performed geophysical and geochemical surveys on the Lynn property, which was subsequently included into the northern part of the Nak claims. Ducanex also performed 480 metres of diamond drilling in 8 holes. This area is located well north of the 1995 and 1996 Hera Resources drill programs.

1970-76: Dorothy property was staked by Evergreen Exploration. Exploration by Evergreen included an airborne magnetic survey and a ground IP survey. In 1971 Twin Peak Mines Ltd. and Ducanex Resources Ltd. completed a bulldozer trenching program and drilled 2,973 m in 29 diamond drill holes.

1992-1993: The Nak 1, 2, 3 and 4 claims were located by Lorne B. Warren who optioned the ground to Tri-Alpha Investments which began a new grid on the ground but subsequently cancelled their exploration program and returned the property to owner Lorne B. Warren.

1993: An airborne geophysical survey (16 line km helicopter–borne magnetometer, electromagnetic and VLF-EM) was carried-out on behalf of Noranda Exploration Company Ltd. over the central portion of the Nak claims. Also, Teck Exploration Ltd. requested Jim Oliver, P.Geo. to carry-out petrographic and lithogeochemical studies on surface rock and drill-core samples collected from the Nak property. Results of these programs were summarized by Carter (1994).

1994: The property was re-staked and the claims optioned by Hera Resources Inc. In late 1994 a camp was established and an induced polarization (IP) and magnetic survey was conducted on the Nak 1 to 5 claims over a newly constructed grid. A total of 45.2 kilometres of grid line was cut. The IP survey outlined several anomalous zones worthy of further mineral exploration including a central zone of low chargeability surrounded by high chargeability indicating a probable pyrite halo surrounding a mineralized porphyry core (Howell, 1995).

1995: The 1994 grid was extended by Hera Resources Inc. and later covered by additional IP and magnetometer surveys. These surveys outlined a large, low chargeability response coincident with rare outcrops of a quartz diorite and other intrusive rocks containing up to 5% chalcopyrite (Bridge, 1996). The low chargeability response was rimmed by a strong but variable chargeability response which at the time was noted to coincide with known pyrite mineralization. Most of the anomalous areas were covered by glacial till. Hera Resources Inc. carried-out a drill program on the Nak 95-1 and Nak 95-2 claims that consisted of 43 BQ diamond drill holes totalling 8,007.30 metres. This work resulted in the discovery of copper mineralization related to rhyodacite dykes along the western margin of a quartz diorite intrusion (North Zone). Drilling to the south (South Zone) outlined copper-gold mineralization related to the quartz diorite and rhyodacite. The eastern edge of the low chargeability area was also drilled and all but one drill hole encountered only trace amounts of copper and/or gold mineralization.

1996: Hera Resources Inc. drilled the north-trending highs in the center of the IP anomaly. In all, 28 BQ diamond drill holes were drilled totalling 5,304.10 metres; 1,600 core samples were assayed. The 1996 drilling program resulted in the identification of a zone of significant copper-gold mineralization in the south of the known mineralized area called the 'Southern Zone'. A study of copper-gold ratios in drill-core also suggested possible mineralized extensions of the Southern Zone elsewhere. As well, the Southern Zone was found to host localized high-grade copper veins (1.318% Cu and 0.203g/t Au over 18.28 metres) and associated disseminated mineralization in adjacent sedimentary units. Geological

mapping and sampling were performed on a 1:5,000 scale around the area of drilling on 34.3 kilometres of grid line. Core from the 1995 drill program was re-examined and correlated with the 1996 drilling with the aim of developing consistency in the nomenclature of lithologic units, alteration and mineralization. Based on these results a review of geological modeling at the Nak deposit was undertaken.

2007: Copper Ridge Explorations Inc. optioned the property from Bernie Kreft undertook an IP and magnetic survey to extend coverage from the Nak deposit in the northwest to the Dorothy deposit in the southeast (AR29855). A 90 km grid with a 9.5km long northwest-southeast trending baseline was established to facilitate the program, and surveying commenced on November 19th. Due to severe winter conditions the survey was terminated before completion on December 13th. This work confirmed the IP and magnetic results from earlier surveys and demonstrated that the pattern of a chargeability low flanked by chargeability highs, associated with the historical drilling at Nak, continued to the southeast. Magnetic results show that mineralization, particularly the gold rich South Zone, is associated with a positive magnetic anomaly.

2008: Copper Ridge exploration (AR30986) conducted ground IP and magnetometer geophysical surveys and B-horizon soil geochemical surveys, in conjunction with line cutting, mapping, prospecting and core re-sampling, followed by a 5-hole 1,264.7 metre program of NQ diamond drilling totalling 4 holes on the Nak prospect and 1 hole at Dorothy. Best results were returned from a drill hole BB08-04 into the Nak South Zone which returned an average grade of 0.115% Cu and 0.257 g/t Au over its length including a 98.04 metre interval of 0.195% Cu and 0.518 g/t Au. IP and magnetic data highlights the gold rich South Zone as an area of low to moderate chargeability associated with a positive circular magnetic high (likely representing potassic alteration) while a coincident high chargeability and magnetic low feature surrounding the deposit likely represents a pyrite halo. Similar low to moderate chargeability features associated with circular magnetic highs that are located interior to the pyrite halo are located to the northeast ("Northeast Extension") and southeast of the South Zone ("IP Embayment"). The Northeast Extension has seen limited drilling totalling 4 holes while the IP Embayment, which manifests as a 900m x 325m peanut shaped embayment within the presumed pyrite halo, has not been drilled. Although B horizon soil sampling is typically a poor geochemical sampling method in glaciated terrain such as Nak, work did highlight several anomalous areas including a strong Cu-Au anomaly associated with the Northeast Extension with values to 1,978.4 ppm Cu and 403.8 ppb Au along with a smaller anomaly associated with the western flank of the IP Embayment target with values to 285 ppm Cu. The approximate 95th percentiles for copper and molybdenum were found at 240.4 ppm and 9.4 ppm respectively.

2009: Copper Ridge conducted a limited (11 sample) till sampling program (AR31285) in the general vicinity of the South Zone and IP Embayment target area. This work was hampered by difficulties in obtaining basal till at the sample sites.

2010: Redtail Metals, formerly Copper Ridge, conducted a 460 Ah horizon (humus) soil sampling program and a 502 line kilometre (250 metre line spacings) airborne ZTEM and magnetic survey (AR32356). The South Zone, Northeast Extension and IP Embayment target areas were identified as Cu-Mo soil anomalies associated with combined magnetic and resistivity highs.

2014: Redtail Metals (AR34934) conducted an aeromagnetic survey totalling 581 line kilometres at 130 metre line spacings. The increased line density of this survey produced high quality magnetic data that outlined the Nak intrusive as well as several northwest trending features which were thought to possibly represent structures or dykes.

2016: Bernie Kreft conducted a geochemical sampling program resulting in 6 rock samples and 14 soil samples over the IP Embayment area. Rock sample values of up to 106 pm Cu and soil/till sample values

of up to 102 ppm were returned from the sampling completed. Widespread till and vegetation hampered exploration and recommendations were for further work consisting of a biogeochemical sampling program.

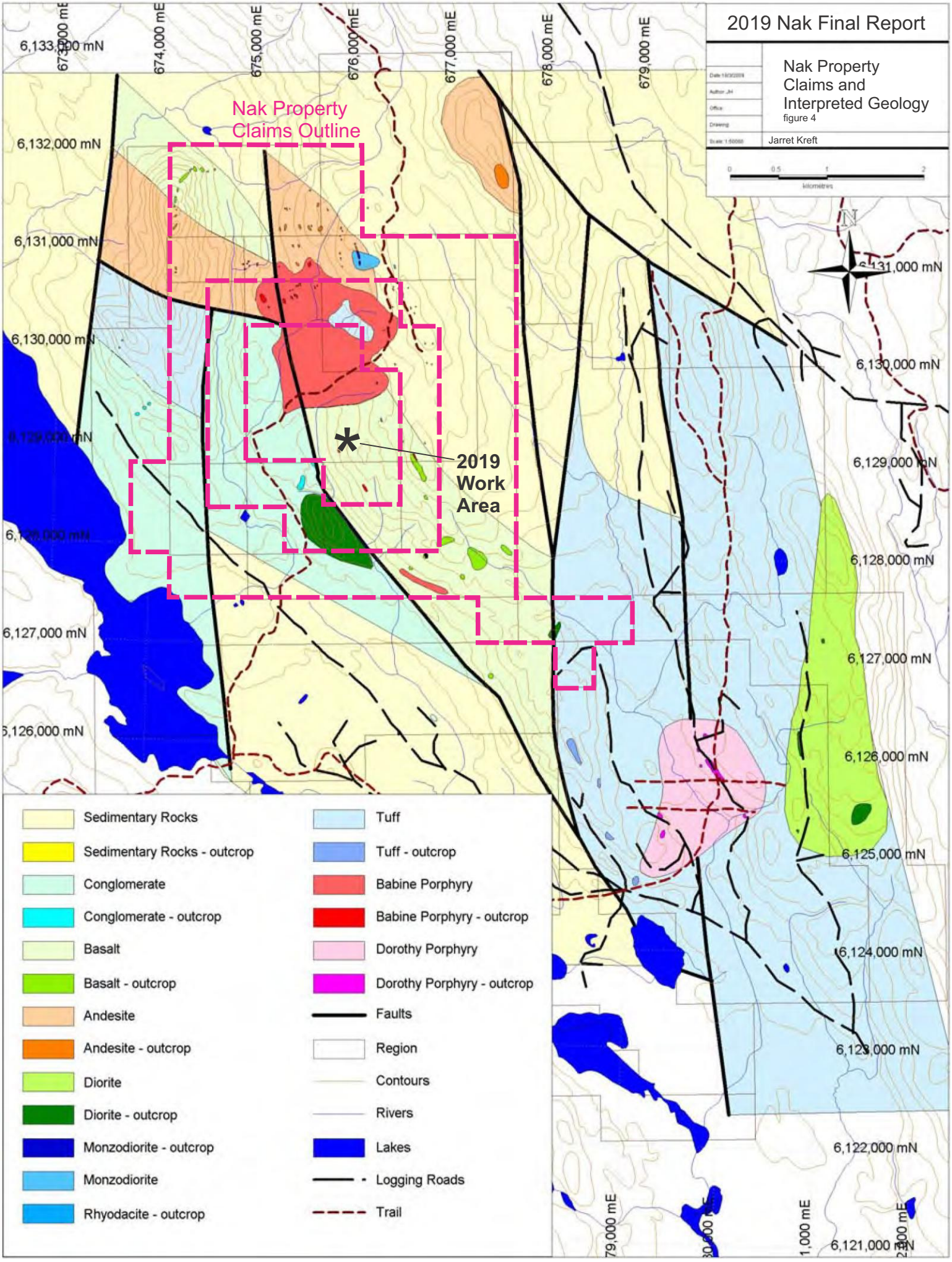
2018: Generation Mining Ltd contracted Paul Wojdak M.Sc., P.Geo., (and former Provincial district geologist) to supervise a program of core re-logging and sampling, metallurgical test-work and provide a compilation of historical data. Findings include:
1) Metallurgical testwork completed on core from Copper Ridge drill hole BB08-04 encountered no significant problems or deleterious elements within the recovery process, and there should be no problems recovering the copper at a standard concentrate grade which will contain payable amounts of gold and silver.
2) The Nak South Zone contains unusually high gold content for post-accretion porphyry copper deposits and in particular for the Babine district. At Bell Copper the mined gold to copper ratio is less than 0.7 but at Nak South it ranges from 1.4 in the crude resource estimate to 3 in the metallurgical sample. Such a high ratio is found in pre-accretion porphyry deposits such as Red Chris and the KSM deposits.
3) The results of geophysical surveys, particularly IP and ZTEM, should be re-assessed based on a 1% sulphide ore model indicated by quantitative mineral analysis of the metallurgical sample. This represents a modest chargeability response, such as found at the IP Embayment target.
4) A program of core drilling is recommended for the IP Embayment and Northeast Extension targets at Nak totalling at least 3000 m. These two areas are judged to have good potential for porphyry mineralization with good gold grades comparable to the South Zone. Further work at the North zone was also recommended to explore the possibility for higher gold grades at depth.

Regional Geology – The Nak porphyry deposit is associated with the Babine Igneous Suite of Tertiary and possible Cretaceous age, located in north-central British Columbia (Maclntyre et al., 1997). The most important of these deposits are the Granisle and Bell Mines which together produced a combined total of 130 million tonnes of ore at 0.4% Cu, 0.15 g/t Au and 0.75 g/t Ag. The Morrison deposit, located southwest of the Nak property, contains measured and indicated resources of 206,869,000 tonnes grading 0.39% Cu, 0.2 gpt Au and 0.005% Mo (Pacific Booker Minerals Inc. web site). The deposits are known to occur within a narrow belt approximately 40 kilometres wide and extending more than 100 km north-northwesterly from the northern part of Babine Lake. The Nak deposit is situated on the on the eastern edge of this belt.

The Babine Igneous Suite intrudes Mesozoic volcanic and sedimentary rocks of the Stikine Terrane within the Intermontane Tectonic Belt. The Stikine Terrane is an ocean island arc that was accreted to the western margin of North America in Late-Jurassic to Early-Cretaceous time. The Property lies on the northern edge of a transverse tectonic feature known as Skeena Arch that separates the Bowser Basin in the north from the Nechako Trough in the south. The Skeena Arch was uplifted during the Jurassic and the faults thus generated acted as controls for the emplacement of Cretaceous and Tertiary intrusions (Carter, 1981).

The Stikine Terrane consists primarily of an island arc assemblage of Late-Triassic (Takla Group) and Early-Jurassic (Hazelton Group) marine volcanic, volcaniclastic and sedimentary rocks. The Babine property is underlain by an irregularly dipping sequence of Mesozoic andesite flows, breccias and lapilli tuff in fault contact with volcaniclastic sandstone, siltstone, mudstone, volcanic-granitic cobble conglomerate, minor shale and argillaceous coal beds (Richards, 1973).

Marine and non-marine sedimentary rocks of the Mid- to Late-Jurassic Bowser Lake and Mid-Cretaceous Skeena groups overlie the older volcanic and sedimentary units, and are preserved in down-dropped basins bounded by north-northwest trending faults developed during extensional and trans-tensional tectonic activity in Late-Cretaceous and Early-Tertiary time (Carter et al, 1995).


2019 Nak Final Report
Nak Property Claims and Interpreted Geology
figure 4
Jarret Kreft
Nak Property Claims Outline
2019 Work Area
673,000 mE
674,000 mE
675,000 mE
676,000 mE
677,000 mE
678,000 mE
679,000 mE
6,133,000 mN
6,132,000 mN
6,131,000 mN
6,130,000 mN
6,129,000 mN
6,128,000 mN
6,127,000 mN
6,126,000 mN
6,125,000 mN
6,124,000 mN
6,123,000 mN
6,122,000 mN
6,121,000 mN
Sedimentary Rocks
Sedimentary Rocks - outcrop
Conglomerate
Conglomerate - outcrop
Basalt
Basalt - outcrop
Andesite
Andesite - outcrop
Diorite
Diorite - outcrop
Monzodiorite - outcrop
Monzodiorite
Rhyodacite - outcrop
Tuff
Tuff - outcrop
Babine Porphyry
Babine Porphyry - outcrop
Dorothy Porphyry
Dorothy Porphyry - outcrop
Faults
Region
Contours
Rivers
Lakes
Logging Roads
Trail

Radiometric ages for mineralized and un-mineralized biotite-feldspar porphyries of the Babine suite have yielded an average age of 50 Ma (Carter et al, 1995), suggesting that these intrusive bodies were emplaced over a short period in Mid-Eocene time.

Intrusive rocks include six major intrusive suites including Topley (173-206 Ma), Omineca (121 – 181 Ma), Bulkley (70 – 84 Ma), Goosley Lake (49 – 53 Ma), Nanika (47 – 56 Ma) and Babine (49 – 55 Ma). All suites have related economic metal deposits, however the most important porphyry copper mineralization in the area is associated with the Babine Intrusive Suite. The Babine Igneous Suite has been characterized (from oldest to youngest) as equigranular, fine- to medium-grained quartz diorite and quartz monzonite, sub-porphyritic rhyolite and dacite and a distinctive 'crowded' (hornblende)-biotite-feldspar porphyry ("BFP") (Carter et al, 1995). These rocks occur as irregular dykes, dyke swarms and plugs generally not exceeding one kilometre in surface area. Multiple intrusive events are a common feature at some deposits, including Nak. It has also been reported that some of the better mineralized properties in the region contain pre-, inter- and post-mineral (hornblende) biotite-feldspar porphyries and intrusive breccias.

Alteration zones associated with mineralized porphyries of the Babine Igneous Suite include a central potassic zone (hydrothermal biotite ± K-spar), grading outward into a phyllic zone (quartz-sericite-pyrite), and finally an outer zone of propylitic alteration (chlorite-carbonate ± epidote).

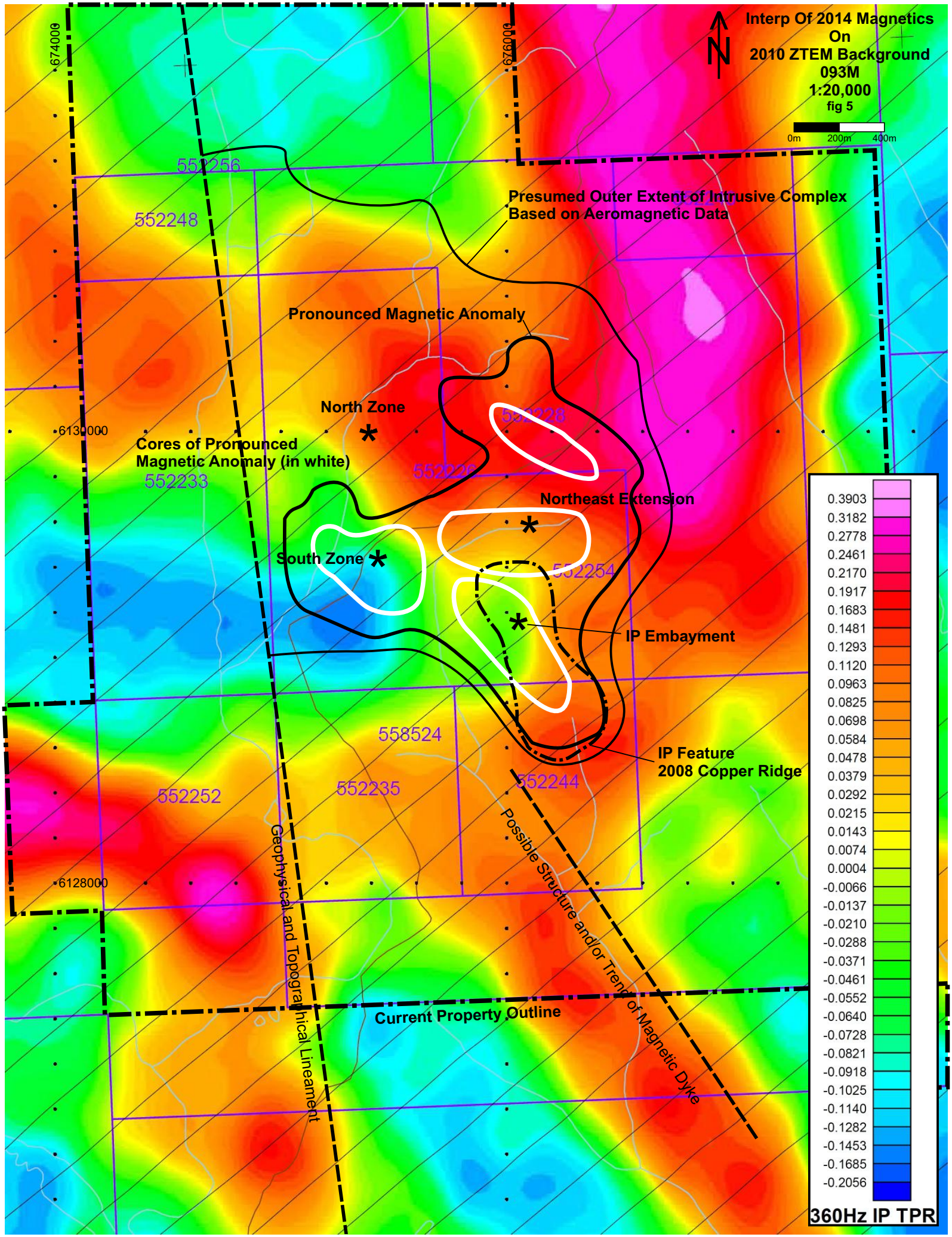
Regionally, copper mineralization typically occurs within northeast and northwest striking, steeply-dipping quartz-chalcopyrite ± bornite veinlets less than 5 mm wide (Carter, 1994). Enhanced grades are locally developed at, or adjacent to contacts between intrusive phases and volcanic and sedimentary rocks of the Hazelton Group. Mineralized haloes containing up to 10% pyrite have been reported at some deposits and extend up to 300 metres outward from a central zone of copper mineralization.

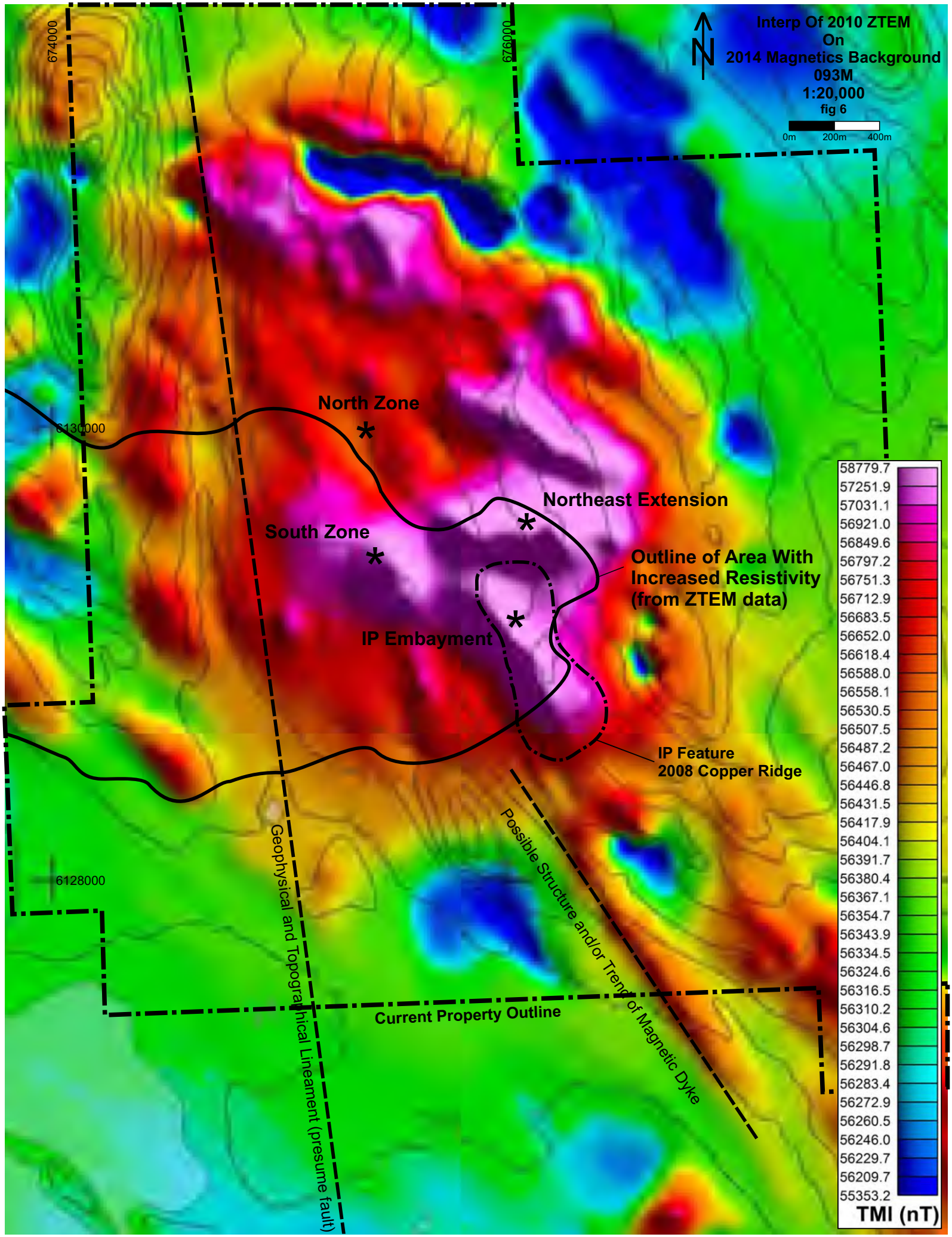
Property Geology – The Nak property is characterized by thick till cover and limited outcrop, therefore much of the geology of the area is based on diamond drill-logs and geophysical data (Spencer, 1996).

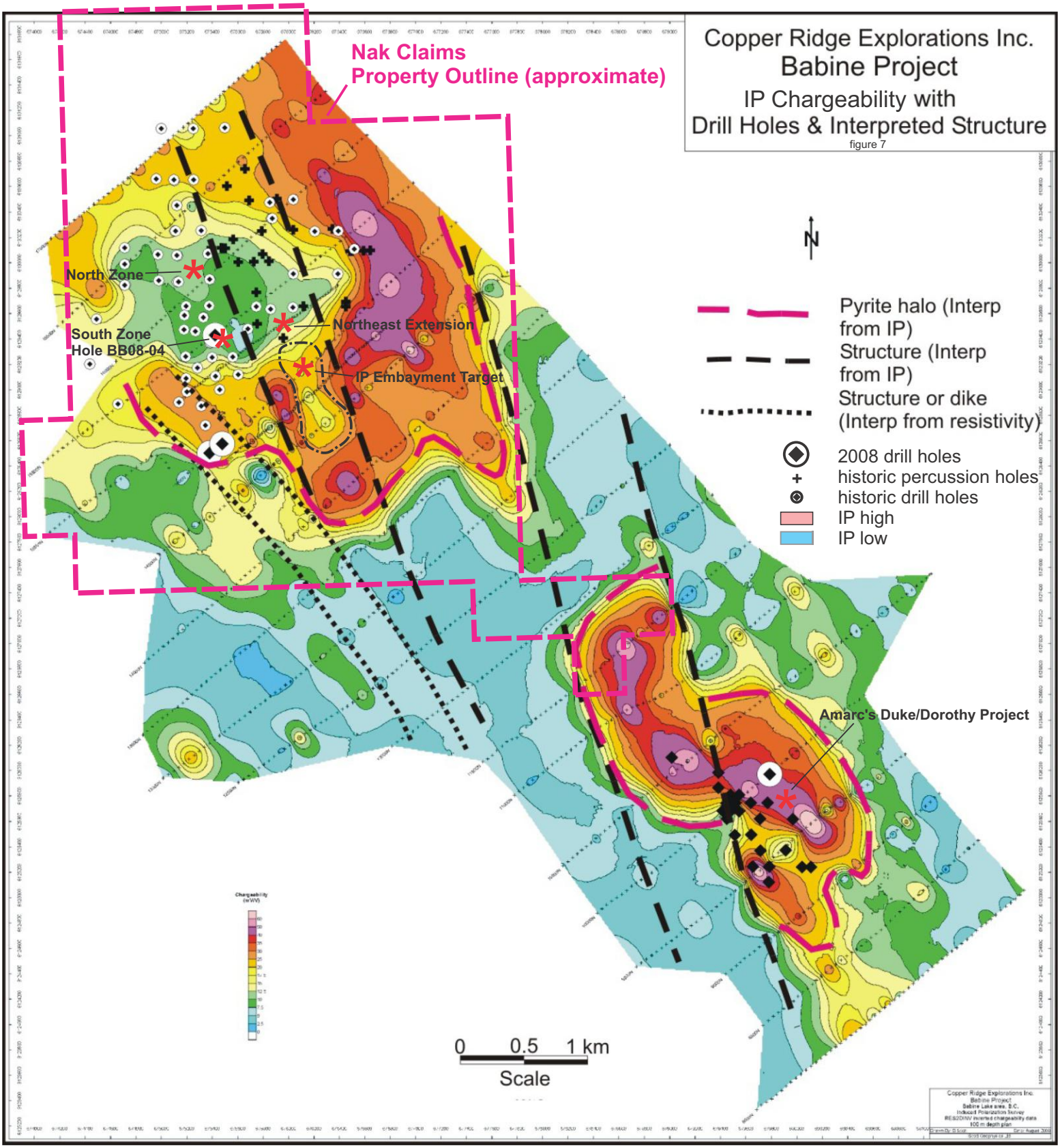
Geology consists of a northwest-trending, east-dipping sequence of andesite flows, volcaniclastics, and argillaceous and cherty sedimentary rocks of the Jurassic Hazelton Group. Sandstone and conglomerate bordering Nakinilerak Lake may belong to a younger sequence (Carter, 1994). Hazelton Group rocks at the Nak property are intruded by diorite to monzonite bodies of probable Early-Cretaceous age, and by stocks, sills and dykes of the Eocene age Babine igneous suite.

The centre of the Nak property contains an approximately 1.8 km² polyphase intrusive stock consisting of fine-grained quartz diorite and quartz monzonite, and numerous varieties of BFP (Carter, 1994). Similar intrusive bodies outcrop on ridges near the western claim boundaries. Due to poor outcrop in the area, intrusive contacts and spatial relationships are not well defined. Several dykes and sills cut layered rocks hundreds of metres to the south and west of this main stock, as well as in the northern portion of the property. The central polyphaser intrusive stock is thought to be situated at the intersection of northeast and northwest faults. This is structurally similar to other porphyry systems in the region (Carter, 1994).

Current Work and Results – Exploration work at the Nak Project, conducted October 11-14, was concentrated over the vegetation and till covered IP Embayment target area and yielded 96 soil/till samples and 96 biogechemical (primarily Balsam Fir) samples. Soil samples were taken using hand held augers with material consisting of angular locally derived till found at an average depth of 50 centimetres. Biogeochemical samples were taken from live standing trees typically 15cm in diameter, with the sampled medium consisting of the approximate last 15cm of branch tips. All sample sites were marked in the field using flagging inscribed with the sample code, with biogeochemical samples placed into standard 8.5x11 poly rock sample bags and soil samples placed into standard soil sample envelopes. All


Interp Of 2014 Magnetics
On
2010 ZTEM Background
093M
1:20,000
fig 5
0m
200m
400m
674000
692000
552256
552248
Presumed Outer Extent of Intrusive Complex
Based on Aeromagnetic Data
Pronounced Magnetic Anomaly
North Zone
552228
6130000
Cores of Pronounced
Magnetic Anomaly (in white)
552233
552226
Northeast Extension
South Zone
552254
IP Embayment
558524
IP Feature
2008 Copper Ridge
552252
552235
552244
6128000
Geophysical and Topographical Lineament
Possible Structure and/or Trend of Magnetic Dyke
Current Property Outline
0.3903
0.3182
0.2778
0.2461
0.2170
0.1917
0.1683
0.1481
0.1293
0.1120
0.0963
0.0825
0.0698
0.0584
0.0478
0.0379
0.0292
0.0215
0.0143
0.0074
0.0004
-0.0066
-0.0137
-0.0210
-0.0288
-0.0371
-0.0461
-0.0552
-0.0640
-0.0728
-0.0821
-0.0918
-0.1025
-0.1140
-0.1282
-0.1453
-0.1685
-0.2056
360Hz IP TPR


Interp Of 2010 ZTEM
On
2014 Magnetics Background
093M
1:20,000
fig 6
0m
200m
400m
674000
676000
6130000
6128000
North Zone
Northeast Extension
South Zone
Outline of Area With
Increased Resistivity
(from ZTEM data)
IP Embayment
IP Feature
2008 Copper Ridge
Geophysical and Topographical Lineament (presume fault)
Possible Structure and/or Trend of Magnetic Dyke
Current Property Outline
58779.7
57251.9
57031.1
56921.0
56849.6
56797.2
56751.3
56712.9
56683.5
56652.0
56618.4
56588.0
56558.1
56530.5
56507.5
56487.2
56467.0
56446.8
56431.5
56417.9
56404.1
56391.7
56380.4
56367.1
56354.7
56343.9
56334.5
56324.6
56316.5
56310.2
56304.6
56298.7
56291.8
56283.4
56272.9
56260.5
56246.0
56229.7
56209.7
55353.2
TMI (nT)


Copper Ridge Explorations Inc.
Babine Project
IP Chargeability with
Drill Holes & Interpreted Structure
figure 7
Nak Claims
Property Outline (approximate)
North Zone
South Zone
Hole BB08-04
Northeast Extension
IP Embayment Target
Amarc's Duke/Dorothy Project
N
Pyrite halo (Interp from IP)
Structure (Interp from IP)
Structure or dike (Interp from resistivity)
2008 drill holes
historic percussion holes
historic drill holes
IP high
IP low
0 0.5 1 km
Scale

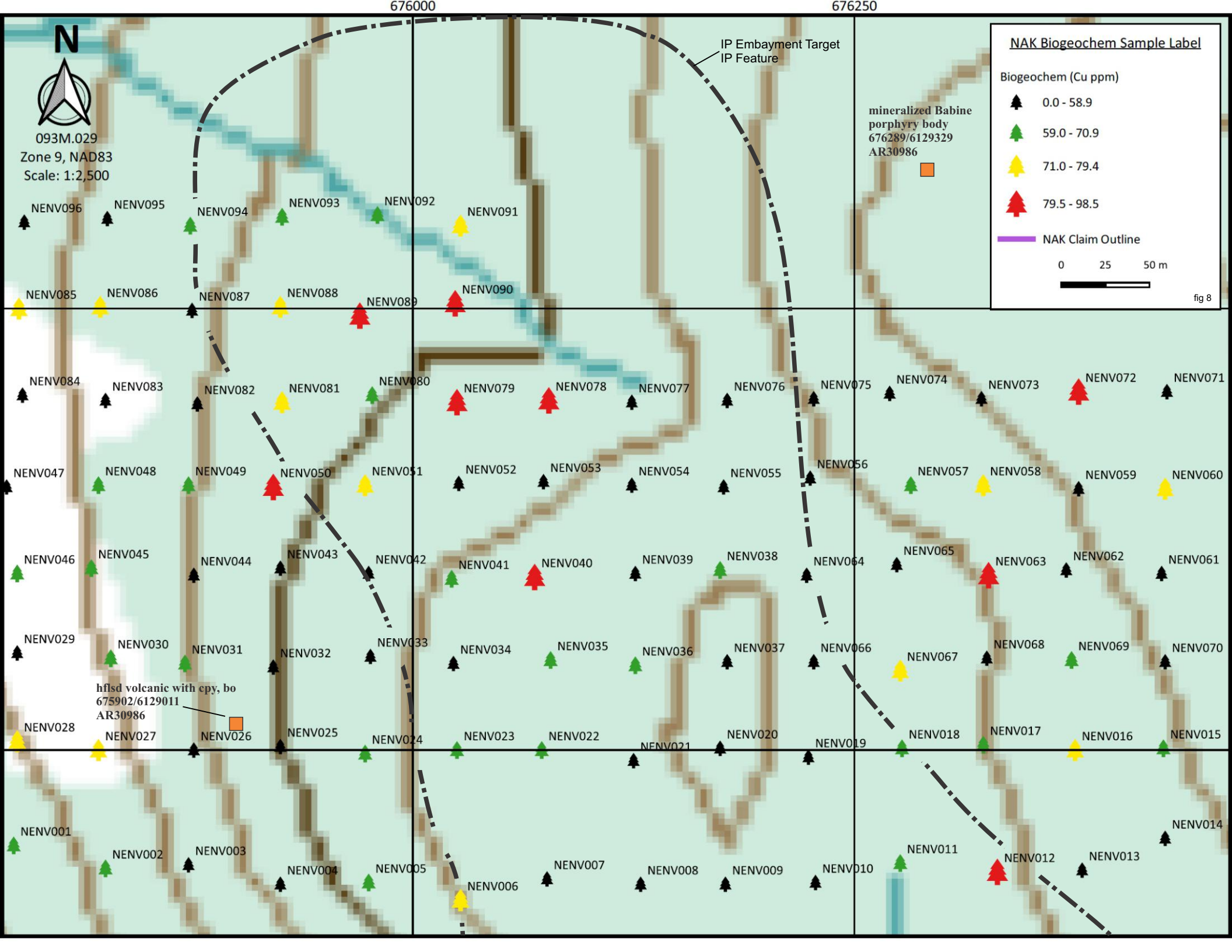
samples were analyzed by Bureau Veritas Vancouver, with soils prepped by SS80 (sieve 100g of soil to minus 80 mesh), and biogeochemical samples prepped by VA475 (ashing of 50g of dried sample material). Soils were analyzed using AQ201 (15g sample via 1:1:1 Aqua Regia digestion with ICP-MS finish), while biogeochemical samples were analyzed by AQ200 (0.5g sample via 1:1:1 Aqua Regia digestion with ICP-MS finish).

Fieldwork was designed to provide detailed geochemical coverage of the northern portion of the IP Embayment target. Surficially the area is characterized by widespread till cover, thick vegetation, and moderate slopes which together are an environment well suited for biogeochemical sampling. Soil samples were taken in the immediate vicinity of each biogeochemical sample to help validate biogeochemical base metal results and provide analytical data for gold which is a weakness of the biogeochemical sampling process.

Anomalous biogeochemical results for copper are concentrated along the western and eastern portions of the grid area corresponding to the margins of the IP Embayment target. Anomalous soil sample results for copper are concentrated in the northwest portion of the grid, semi-coincident with anomalous copper from biogeochemical samples. There are few anomalous copper values from soil samples taken along the eastern portion of the grid. Along the western margin of the IP Embayment, the extent and distribution of copper values from both sampling methods is suggestive of near surface copper mineralization particularly in the northwest portion of the grid. Along the eastern margin of the IP Embayment copper is more prevalent in biogeochemical samples which have a deeper sampling footprint with only a few anomalous copper values in soil samples which typically have a shallower sampling depth, with this distribution suggestive of thicker till and overburden masking bedrock mineralization.

Conclusions – The IP Embayment target is an approximate 900 metres north-south by 300 metres east-west IP chargeability feature coincident with positive magnetic and resistivity anomalies that has not been drill tested. The 2019 field program identified potentially significant amounts of copper within biogeochemical (tree) and soil samples along the east and west margins of this target. Historical prospecting of this target (Copper Ridge 2008) was hindered by till and vegetation cover but did manage to identify an area of hornfelsed intermediate volcanics with chalcopyrite and bornite along the west side and an area of mineralized Babine porphyry on the east, analyses of which returned 750 ppm Cu and 613 ppm Cu respectively. Interestingly these anomalous rock samples do not relate to the copper apices of the 2019 geochemical anomalies, suggesting that the newly identified geochemical anomalies may be related to significant bedrock mineralization. The three main copper-gold porphyry targets on the property: IP Embayment, the incompletely drill tested Northeast Extension and the open for expansion South Zone cover an approximate 3.5 square kilometre area which is of sufficient aerial extent to easily host a deposit, or combined deposits, of several hundred million tonnes or more in size. Logging is to take place over the South Zone in the winter of 2019-20, with this work likely providing improved access and exposure for subsequent exploration programs to exploit.

Recommendations – Detailed prospecting and hand trenching of the 2019 geochemical anomalies found along the western margin of the IP Embayment target, and of the historic anomalies at Northeast Extension is recommended. Drill testing of the IP Embayment, Northeast Extension and the South Zone is also required. An initial program of 12 holes and 3,000 metres is recommended with 6 holes at the IP Embayment, 3 at the Northeast Extension and 3 at the South Zone. Permitting for this proposed drill program should be completed so that if funding subsequently becomes available there are no holdups to commencing exploration.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676250
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Zone 9, NAD83
Scale: 1:2,500
IP Embayment Target
IP Feature
mineralized Babine porphyry body
676289/6129329
AR30986
hflsd volcanic with cpy, bo
675902/6129011
AR30986
NAK Biogeochem Sample Label
Biogeochem (Cu ppm)
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59.0 - 70.9
71.0 - 79.4
79.5 - 98.5
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50 m
fig 8
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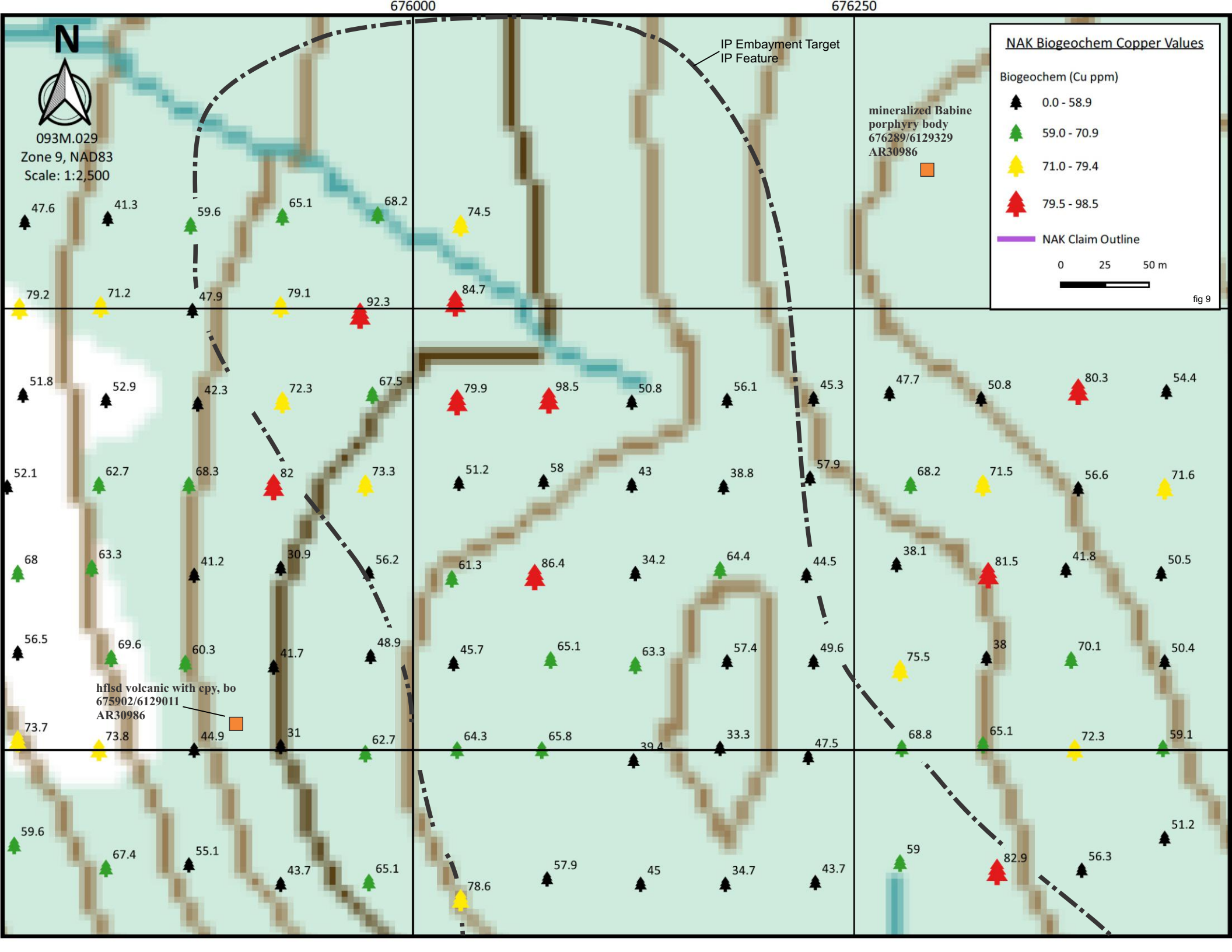
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676250
N
093M.029
Zone 9, NAD83
Scale: 1:2,500
IP Embayment Target
IP Feature
mineralized Babine porphyry body
676289/6129329
AR30986
hflsd volcanic with cpy, bo
675902/6129011
AR30986
NAK Biogeochem Copper Values
Biogeochem (Cu ppm)
0.0 - 58.9
59.0 - 70.9
71.0 - 79.4
79.5 - 98.5
NAK Claim Outline
0
25
50 m
fig 9
47.6
41.3
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65.1
68.2
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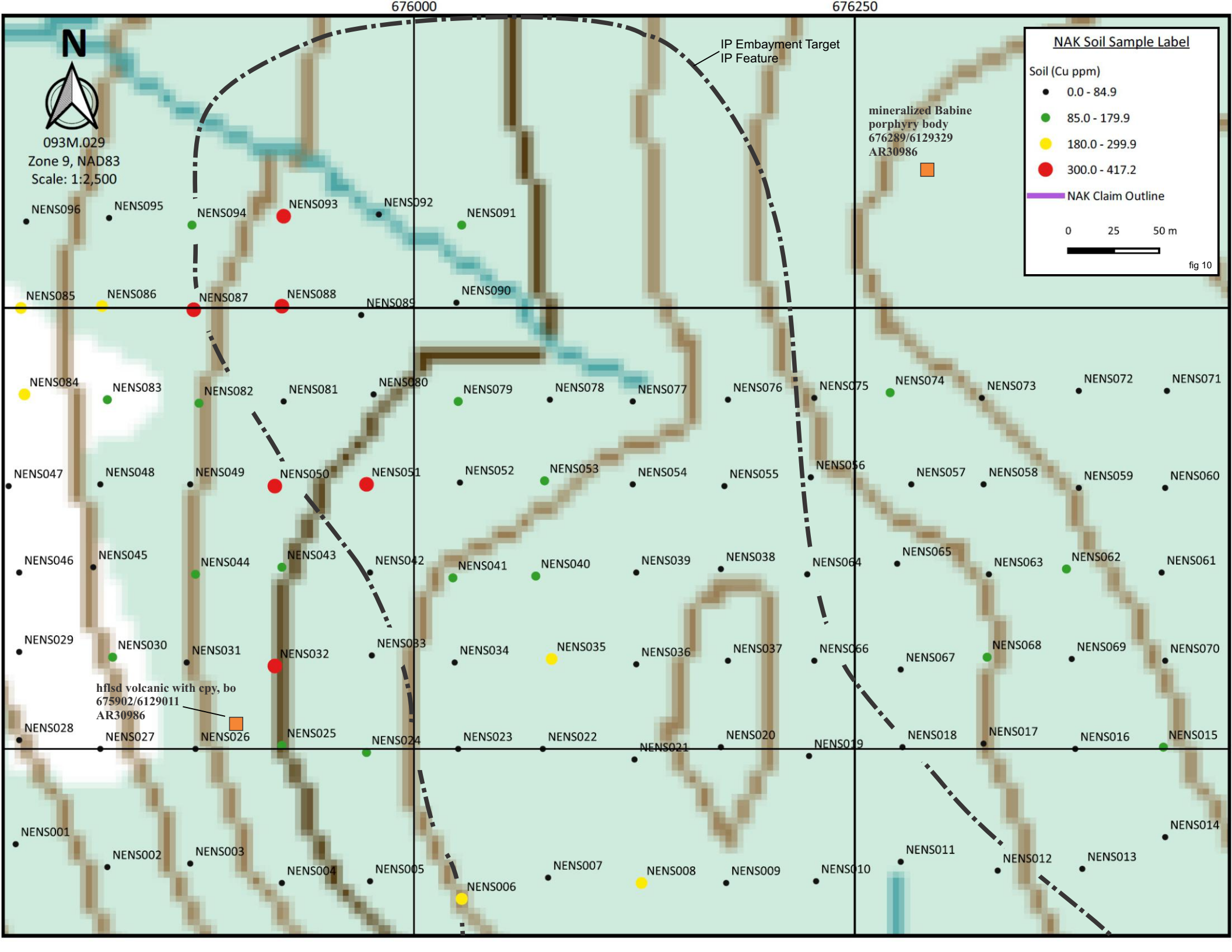
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676250
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093M.029
Zone 9, NAD83
Scale: 1:2,500
IP Embayment Target
IP Feature
mineralized Babine
porphyry body
676289/6129329
AR30986
hflsd volcanic with cpy, bo
675902/6129011
AR30986
NAK Soil Sample Label
Soil (Cu ppm)
0.0 - 84.9
85.0 - 179.9
180.0 - 299.9
300.0 - 417.2
NAK Claim Outline
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25
50 m
fig 10
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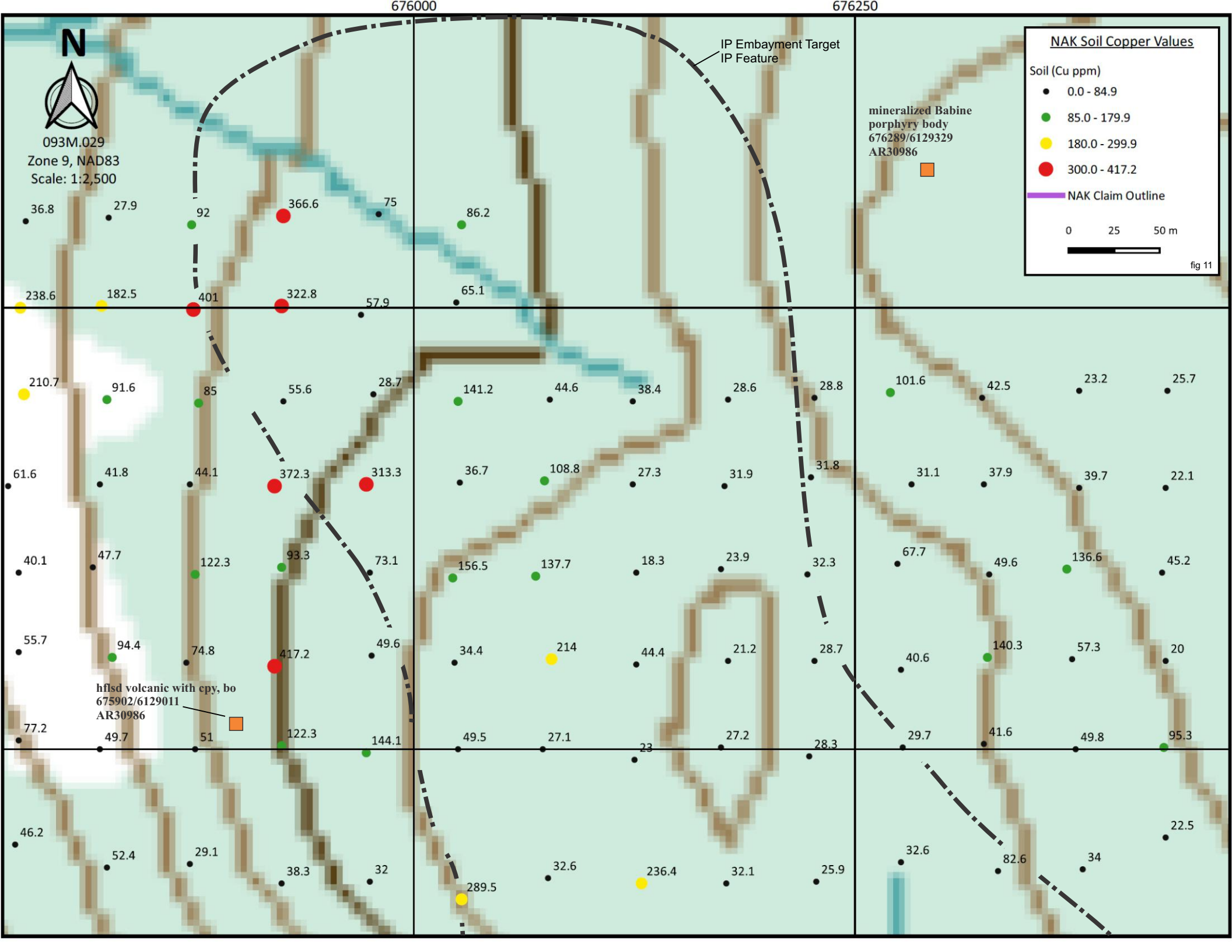
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Soil (Cu ppm)
0.0 - 84.9
85.0 - 179.9
180.0 - 299.9
300.0 - 417.2
NAK Claim Outline
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25
50 m
fig 11
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86.2
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22.5

Sample	Type	Datum	Easting	Northing	Soil Colour	Angularity	Depth	Slope Angle	Mo	Cu	Ag	Fe	Au	K
NENS001	till/soil	WGS84	675774	6128946	brown	Angular	65cm	20°	2.2	46.2	<0.1	3.5	4.9	0.08
NENS002	till/soil	WGS84	675826	6128933	brown	Angular	90cm	30°	2.7	52.4	0.2	3.57	6.2	0.07
NENS003	till/soil	WGS84	675873	6128935	light brown	Angular	40cm	30°	1.8	29.1	0.2	3.92	1.7	0.08
NENS004	till/soil	WGS84	675925	6128924	light brown	Angular	50cm	35°	4.4	38.3	0.1	3.55	2.6	0.08
NENS005	till/soil	WGS84	675975	6128925	light brown	Angular	45cm	45°	3.3	32	0.1	3.63	10.9	0.06
NENS006	till/soil	WGS84	676027	6128915	brown	Angular	50cm	5°	16.6	289.5	0.3	3.71	3.5	0.07
NENS007	till/soil	WGS84	676076	6128927	brown	Angular	50cm	25°	2.9	32.6	0.3	3.61	2	0.06
NENS008	till/soil	WGS84	676129	6128924	brown	Angular	50cm	5°	11.1	236.4	0.1	3.85	1.1	0.05
NENS009	till/soil	WGS84	676177	6128924	brown	Angular	50cm	5°	2.8	32.1	0.1	3.89	1.6	0.06
NENS010	till/soil	WGS84	676228	6128925	brown	Angular	50cm	0°	2.3	25.9	0.3	4.09	1.1	0.06
NENS011	till/soil	WGS84	676276	6128936	light brown	Angular	65cm	10°	1.3	32.6	0.2	3.76	2	0.06
NENS012	till/soil	WGS84	676331	6128931	dark brown	Angular	65cm	0°	2.7	82.6	0.4	3.67	2.1	0.07
NENS013	till/soil	WGS84	676379	6128932	brown	Angular	60cm	10°	2.4	34	0.3	3.94	5.1	0.06
NENS014	till/soil	WGS84	676426	6128950	brown	Angular	65cm	15°	1.2	22.5	0.1	3.34	9.2	0.06
NENS015	till/soil	WGS84	676425	6129001	dark brown	Angular	80cm	5°	2.2	95.3	0.7	4.53	4.8	0.09
NENS016	till/soil	WGS84	676375	6129000	brown	Angular	65cm	5°	2.2	49.8	0.2	3.63	3.5	0.07
NENS017	till/soil	WGS84	676323	6129003	brown	Angular	50cm	5°	2.3	41.6	0.2	3.64	0.8	0.06
NENS018	till/soil	WGS84	676277	6129001	light brown	Angular	45cm	5°	1.6	29.7	0.2	3.79	3.7	0.06
NENS019	till/soil	WGS84	676224	6128996	brown	Angular	45cm	0°	3.4	28.3	0.1	4.76	0.6	0.06
NENS020	till/soil	WGS84	676174	6129001	light brown	Angular	40cm	5°	2	27.2	<0.1	3.62	1.6	0.05
NENS021	till/soil	WGS84	676125	6128994	light brown	Angular	40cm	0°	1.9	23	0.1	3.79	0.25	0.05
NENS022	till/soil	WGS84	676073	6129000	light brown	Angular	50cm	5°	1.7	27.1	<0.1	3.78	8.9	0.05
NENS023	till/soil	WGS84	676025	6129000	brown	Angular	50cm	5°	9.2	49.5	<0.1	3.42	1.1	0.06
NENS024	till/soil	WGS84	675973	6128998	brown	Angular	40cm	0°	6.8	144.1	0.1	3.14	2.3	0.05
NENS025	till/soil	WGS84	675925	6129002	light brown	Angular	40cm	30°	4.6	122.3	0.1	3.88	4.6	0.06
NENS026	till/soil	WGS84	675876	6129000	light brown	Angular	40cm	45°	2.4	51	0.1	3.31	3.2	0.06
NENS027	till/soil	WGS84	675822	6129000	light brown	Angular	70cm	40°	2.7	49.7	0.2	3.54	3.2	0.08
NENS028	till/soil	WGS84	675776	6129005	brown	Angular	50cm	10°	3.2	77.2	0.2	3.56	3.1	0.14
NENS029	till/soil	WGS84	675776	6129055	brown	Angular	60cm	15°	1.8	55.7	0.1	3.44	1.7	0.06
NENS030	till/soil	WGS84	675829	6129052	dark brown	Angular	50cm	30°	3.7	94.4	0.3	3.55	1.2	0.07
NENS031	till/soil	WGS84	675871	6129049	dark brown	Angular	50cm	40°	3.7	74.8	0.1	3.44	1.3	0.07
NENS032	till/soil	WGS84	675921	6129047	dark brown	Angular	65cm	45°	7.8	417.2	0.3	3.97	8.4	0.08
NENS033	till/soil	WGS84	675976	6129053	light brown	Angular	60cm	25°	3.6	49.6	<0.1	3.45	1.4	0.06

Sample	Type	Datum	Easting	Northing	Soil Colour	Angularity	Depth	Slope Angle	Mo	Cu	Ag	Fe	Au	K
NENS034	till/soil	WGS84	676023	6129049	light brown	Angular	45cm	10°	4.8	34.4	0.1	3.53	0.25	0.05
NENS035	till/soil	WGS84	676078	6129051	brown	Angular	50cm	5°	8.5	214	0.2	3.29	17.3	0.05
NENS036	till/soil	WGS84	676126	6129048	dark brown	Angular	40cm	20°	6.4	44.4	0.2	3.98	0.8	0.05
NENS037	till/soil	WGS84	676178	6129050	red brown	Angular	50cm	5°	2	21.2	0.3	4.31	2.6	0.06
NENS038	till/soil	WGS84	676174	6129102	brown	Angular	40cm	0°	2.1	23.9	0.1	4.29	0.7	0.04
NENS039	till/soil	WGS84	676126	6129100	brown	Angular	40cm	5°	2.3	18.3	0.1	3.19	0.25	0.06
NENS040	till/soil	WGS84	676069	6129098	brown	Angular	40cm	0°	16	137.7	0.4	4.6	1.4	0.08
NENS041	till/soil	WGS84	676022	6129097	dark brown	Angular	40cm	5°	1.8	156.5	0.1	4.1	1.5	0.06
NENS042	till/soil	WGS84	675975	6129100	dark brown	Angular	40cm	10°	6.3	73.1	0.2	3.81	14.1	0.06
NENS043	till/soil	WGS84	675925	6129103	red brown	Angular	60cm	30°	8.3	93.3	0.3	4.22	0.7	0.07
NENS044	till/soil	WGS84	675876	6129099	dark brown	Angular	65cm	30°	4.2	122.3	0.2	3.79	1.6	0.08
NENS045	till/soil	WGS84	675818	6129103	brown	Angular	40cm	30°	2.5	47.7	0.2	3.73	0.25	0.11
NENS046	till/soil	WGS84	675776	6129100	brown	Angular	50cm	20°	2.1	40.1	0.3	4.13	1.1	0.09
NENS047	till/soil	WGS84	675770	6129149	brown	Angular	75cm	15°	2	61.6	0.2	4.01	2.4	0.08
NENS048	till/soil	WGS84	675822	6129150	light brown	Angular	60cm	20°	2.5	41.8	<0.1	4.41	3	0.07
NENS049	till/soil	WGS84	675873	6129150	light brown	Angular	50cm	30°	4.2	44.1	0.1	3.71	0.7	0.07
NENS050	till/soil	WGS84	675921	6129149	dark brown	Angular	60cm	20°	10.2	372.3	0.3	3.29	1.4	0.08
NENS051	till/soil	WGS84	675973	6129150	brown	Angular	50cm	20°	15	313.3	<0.1	3.9	1.7	0.06
NENS052	till/soil	WGS84	676026	6129151	dark brown	Angular	40cm	10°	3.1	36.7	0.2	3.72	1.4	0.05
NENS053	till/soil	WGS84	676074	6129152	brown	Angular	40cm	10°	7.1	108.8	0.3	4.73	1.2	0.08
NENS054	till/soil	WGS84	676124	6129150	brown	Angular	60cm	25°	3.4	27.3	0.2	5.18	1.2	0.07
NENS055	till/soil	WGS84	676176	6129149	brown	Angular	50cm	10°	3	31.9	0.2	5.18	0.5	0.09
NENS056	till/soil	WGS84	676225	6129154	brown	Angular	80cm	0°	1.6	31.8	<0.1	3.43	0.25	0.04
NENS057	till/soil	WGS84	676282	6129150	brown	Angular	50cm	10°	2.2	31.1	0.3	4.21	0.25	0.05
NENS058	till/soil	WGS84	676323	6129150	brown	Angular	40cm	30°	7	37.9	0.5	5.4	2.1	0.1
NENS059	till/soil	WGS84	676377	6129148	brown	Angular	80cm	15°	1.7	39.7	0.2	3.89	4.4	0.07
NENS060	till/soil	WGS84	676426	6129148	light brown	Angular	50cm	0°	1.8	22.1	0.2	3.2	119.9	0.05
NENS061	till/soil	WGS84	676424	6129100	brown	Angular	40cm	40°	3.5	45.2	0.1	5.3	2.4	0.07
NENS062	till/soil	WGS84	676370	6129102	light brown	Angular	45cm	30°	2.8	136.6	0.2	5.51	38.8	0.09
NENS063	till/soil	WGS84	676326	6129099	brown	Angular	40cm	5°	2.2	49.6	0.2	3.95	1	0.07
NENS064	till/soil	WGS84	676223	6129099	light brown	Angular	40cm	20°	2.8	32.3	0.5	5.7	4.6	0.07
NENS065	till/soil	WGS84	676274	6129105	dark brown	Angular	65cm	0°	2.3	67.7	0.3	4.2	22.3	0.07
NENS066	till/soil	WGS84	676227	6129050	light brown	Angular	40cm	0°	3.1	28.7	0.5	5.76	0.7	0.05

Sample	Type	Datum	Easting	Northing	Soil Colour	Angularity	Depth	Slope Angle	Mo	Cu	Ag	Fe	Au	K
NENS067	till/soil	WGS84	676276	6129045	brown	Angular	65cm	5°	1.4	40.6	<0.1	3.93	1.4	0.08
NENS068	till/soil	WGS84	676325	6129052	dark brown	Angular	40cm	5°	1.9	140.3	0.8	4.99	2	0.12
NENS069	till/soil	WGS84	676373	6129051	brown	Angular	60cm	5°	3.4	57.3	0.3	5.19	0.8	0.09
NENS070	till/soil	WGS84	676426	6129050	brown	Angular	80cm	15°	1.8	20	0.1	4.61	0.5	0.07
NENS071	till/soil	WGS84	676427	6129203	light brown	Angular	40cm	5°	2.1	25.7	0.2	4.36	1.2	0.07
NENS072	till/soil	WGS84	676377	6129203	brown	Angular	40cm	5°	1.3	23.2	0.3	3.85	0.25	0.05
NENS073	till/soil	WGS84	676322	6129199	dark brown	Angular	40cm	5°	4.6	42.5	0.3	3.75	1.4	0.09
NENS074	till/soil	WGS84	676270	6129202	brown	Angular	40cm	20°	5.8	101.6	0.3	3.38	2	0.07
NENS075	till/soil	WGS84	676227	6129199	brown	Angular	65cm	10°	1.4	28.8	<0.1	3.43	1.1	0.06
NENS076	till/soil	WGS84	676178	6129198	brown	Angular	40cm	10°	2.7	28.6	0.3	4.66	1.1	0.1
NENS077	till/soil	WGS84	676124	6129197	brown	Angular	40cm	30°	3.8	38.4	0.2	3.92	1.2	0.05
NENS078	till/soil	WGS84	676077	6129198	brown	Angular	50cm	10°	5.1	44.6	0.1	4.08	1.5	0.05
NENS079	till/soil	WGS84	676025	6129197	dark brown	Angular	50cm	5°	7.5	141.2	0.3	4.43	2.3	0.08
NENS080	till/soil	WGS84	675977	6129201	brown	Angular	50cm	10°	7.2	28.7	0.3	3.63	2.6	0.06
NENS081	till/soil	WGS84	675926	6129197	brown	Angular	60cm	10°	6.3	55.6	0.2	4.24	3.5	0.06
NENS082	till/soil	WGS84	675878	6129196	brown	Angular	50cm	15°	4.9	85	0.3	3.67	1.9	0.07
NENS083	till/soil	WGS84	675826	6129198	dark brown	Angular	40cm	15°	6.1	91.6	0.6	4.61	2.1	0.09
NENS084	till/soil	WGS84	675779	6129201	dark brown	Angular	60cm	15°	20.4	210.7	0.3	3.87	2.3	0.09
NENS085	till/soil	WGS84	675777	6129250	brown	Angular	40cm	10°	26.3	238.6	0.8	4.69	6.4	0.12
NENS086	till/soil	WGS84	675823	6129251	dark brown	Angular	80cm	5°	71.9	182.5	0.2	4.76	1.6	0.1
NENS087	till/soil	WGS84	675875	6129249	dark brown	Angular	40cm	10°	34.3	401	0.4	3.75	15.2	0.07
NENS088	till/soil	WGS84	675925	6129251	red brown	Angular	50cm	5°	24.1	322.8	0.2	5.29	25	0.11
NENS089	till/soil	WGS84	675970	6129246	dark brown	Angular	50cm	5°	10.3	57.9	0.5	3.68	2.6	0.04
NENS090	till/soil	WGS84	676024	6129253	red brown	Angular	80cm	5°	15.4	65.1	0.2	3.18	1.6	0.05
NENS091	till/soil	WGS84	676027	6129297	dark brown	Angular	65cm	0°	17.8	86.2	0.3	3.86	5.7	0.06
NENS092	till/soil	WGS84	675980	6129303	dark brown	Angular	40cm	0°	16.7	75	0.5	3.77	2.7	0.04
NENS093	till/soil	WGS84	675926	6129302	red brown	Angular	40cm	5°	7.9	366.6	0.5	6.79	10.5	0.09
NENS094	till/soil	WGS84	675874	6129297	brown	Angular	40cm	10°	18.3	92	0.2	3.42	4.6	0.07
NENS095	till/soil	WGS84	675827	6129301	light brown	Angular	50cm	15°	2.4	27.9	<0.1	3.87	0.25	0.06
NENS096	till/soil	WGS84	675780	6129299	brown	Angular	40cm	10°	1.9	36.8	<0.1	3.94	3.3	0.06

Sample	Type	Datum	Easting	Northing	Diameter	Tree Type	Angle	Pre Ash Wt	Ashed Wt	Mo	Cu	Ag	Fe	Au	K
NENV001	Vegetation	WGS84	675774	6128946	5"	Spruce	20°	50.586	2.344	0.8	59.6	<0.1	0.07	6.4	>10.00
NENV002	Vegetation	WGS84	675826	6128933	4"	Balsam	30°	51.077	1.943	1.5	67.4	0.1	0.08	3.4	>10.00
NENV003	Vegetation	WGS84	675873	6128935	4"	Balsam	30°	50.656	2.199	1.5	55.1	0.1	0.05	1.3	>10.00
NENV004	Vegetation	WGS84	675925	6128924	5"	Balsam	35°	50.091	2.532	2.9	43.7	<0.1	0.06	1	>10.00
NENV005	Vegetation	WGS84	675975	6128925	5"	Balsam	45°	51	2.117	3.4	65.1	<0.1	0.05	2	>10.00
NENV006	Vegetation	WGS84	676027	6128915	6"	Balsam	5°	50.378	1.693	6.2	78.6	0.1	0.06	1.5	>10.00
NENV007	Vegetation	WGS84	676076	6128927	4"	Balsam	25°	50.484	1.988	3.3	57.9	<0.1	0.05	1.2	>10.00
NENV008	Vegetation	WGS84	676129	6128924	4"	Balsam	5°	50.144	2.225	2.1	45	<0.1	0.04	1.9	>10.00
NENV009	Vegetation	WGS84	676177	6128924	3.5"	Balsam	5°	51.086	2.697	3.4	34.7	<0.1	0.04	1.6	7.64
NENV010	Vegetation	WGS84	676228	6128925	4"	Balsam	0°	50.174	2.155	4.8	43.7	<0.1	0.12	4.2	9.6
NENV011	Vegetation	WGS84	676276	6128936	4.5"	Balsam	10°	50.796	2.05	1.3	59	0.1	0.07	2.7	>10.00
NENV012	Vegetation	WGS84	676331	6128931	6"	Balsam	0°	51.49	1.715	1.2	82.9	<0.1	0.05	3	>10.00
NENV013	Vegetation	WGS84	676379	6128932	4"	Balsam	10°	50.824	1.798	2.3	56.3	<0.1	0.08	3.5	>10.00
NENV014	Vegetation	WGS84	676426	6128950	5"	Balsam	15°	51.221	2.127	3	51.2	0.1	0.04	2	>10.00
NENV015	Vegetation	WGS84	676425	6129001	5"	Balsam	5°	51.064	1.854	0.6	59.1	<0.1	0.07	1.1	>10.00
NENV016	Vegetation	WGS84	676375	6129000	5.5"	Spruce	5°	50.146	2.535	0.7	72.3	0.1	0.06	0.9	8.86
NENV017	Vegetation	WGS84	676323	6129003	5"	Balsam	5°	51.729	1.874	1.3	65.1	<0.1	0.08	2.7	>10.00
NENV018	Vegetation	WGS84	676277	6129001	3.5"	Balsam	5°	50.683	1.482	1.5	68.8	<0.1	0.12	4.9	>10.00
NENV019	Vegetation	WGS84	676224	6128996	5"	Balsam	0°	52.344	1.857	7.9	47.5	0.1	0.08	1.7	9.16
NENV020	Vegetation	WGS84	676174	6129001	5"	Balsam	5°	50.899	2.26	4.6	33.3	<0.1	0.06	2	>10.00
NENV021	Vegetation	WGS84	676125	6128994	4"	Balsam	0°	51.35	2.132	4.1	39.4	<0.1	0.08	2	>10.00
NENV022	Vegetation	WGS84	676073	6129000	5"	Balsam	5°	51.104	1.471	4	65.8	<0.1	0.09	3.7	>10.00
NENV023	Vegetation	WGS84	676025	6129000	4"	Balsam	5°	50.735	1.897	6	64.3	<0.1	0.06	3.4	>10.00
NENV024	Vegetation	WGS84	675973	6128998	4"	Balsam	0°	51.471	1.983	6.7	62.7	<0.1	0.07	3.4	>10.00
NENV025	Vegetation	WGS84	675925	6129002	4"	Spruce	30°	51.956	2.937	1.1	31	<0.1	0.05	1.8	6.34
NENV026	Vegetation	WGS84	675876	6129000	4"	Balsam	45°	50.87	2.042	1.5	44.9	<0.1	0.06	1.7	>10.00
NENV027	Vegetation	WGS84	675822	6129000	6"	Balsam	40°	51.548	1.967	2.3	73.8	<0.1	0.06	3.3	>10.00
NENV028	Vegetation	WGS84	675776	6129005	4"	Balsam	10°	51.599	1.905	1.8	73.7	0.2	0.07	3.3	9.82
NENV029	Vegetation	WGS84	675776	6129055	4"	Balsam	15°	51.205	2.006	1.6	56.5	<0.1	0.13	3.4	9.16
NENV030	Vegetation	WGS84	675829	6129052	4"	Balsam	30°	50.998	1.942	2.1	69.6	<0.1	0.08	2	>10.00
NENV031	Vegetation	WGS84	675871	6129049	3.5"	Balsam	40°	51.06	2.106	2.2	60.3	<0.1	0.06	2.3	>10.00
NENV032	Vegetation	WGS84	675921	6129047	4"	Balsam	45°	50.838	2.607	3.1	41.7	<0.1	0.05	1.4	>10.00
NENV033	Vegetation	WGS84	675976	6129053	3.5"	Balsam	25°	51.858	2.295	5.7	48.9	<0.1	0.05	2	9.89

Sample	Type	Datum	Easting	Northing	Diameter	Tree Type	Angle	Pre Ash Wt	Ashed Wt	Mo	Cu	Ag	Fe	Au	K
NENV034	Vegetation	WGS84	676023	6129049	4"	Balsam	10°	51.571	1.992	4.9	45.7	<0.1	0.07	1.9	9.91
NENV035	Vegetation	WGS84	676078	6129051	3.5"	Balsam	5°	51.493	1.887	4.7	65.1	<0.1	0.07	1.8	>10.00
NENV036	Vegetation	WGS84	676126	6129048	4"	Balsam	20°	51.694	1.609	6.1	63.3	<0.1	0.07	2.3	>10.00
NENV037	Vegetation	WGS84	676178	6129050	4"	Balsam	5°	51.721	1.743	4.8	57.4	0.1	0.12	2.1	>10.00
NENV038	Vegetation	WGS84	676174	6129102	4"	Balsam	0°	51.227	1.923	6.2	64.4	<0.1	0.13	2.6	>10.00
NENV039	Vegetation	WGS84	676126	6129100	5"	Balsam	5°	50.885	2.853	3.2	34.2	<0.1	0.04	1.8	7.52
NENV040	Vegetation	WGS84	676069	6129098	6"	Balsam	0°	50.596	1.464	7.5	86.4	<0.1	0.09	2.1	>10.00
NENV041	Vegetation	WGS84	676022	6129097	5"	Balsam	5°	50.685	1.611	5.3	61.3	<0.1	0.12	2.8	>10.00
NENV042	Vegetation	WGS84	675975	6129100	3.5"	Balsam	10°	51.82	2.157	7.2	56.2	0.1	0.07	2.1	>10.00
NENV043	Vegetation	WGS84	675925	6129103	3.5"	Balsam	30°	51.504	3.342	4.2	30.9	<0.1	0.02	0.6	5.37
NENV044	Vegetation	WGS84	675876	6129099	6"	Spruce	30°	51.563	2.584	1.6	41.2	0.3	0.05	0.7	8.01
NENV045	Vegetation	WGS84	675818	6129103	5"	Balsam	30°	52.303	2.356	1.2	63.3	0.1	0.06	2.4	>10.00
NENV046	Vegetation	WGS84	675776	6129100	4"	Balsam	20°	51.713	2.089	1	68	<0.1	0.07	1.7	>10.00
NENV047	Vegetation	WGS84	675770	6129149	3"	Spruce	15°	50.51	2.324	0.8	52.1	<0.1	0.06	1.5	8.45
NENV048	Vegetation	WGS84	675822	6129150	3.5"	Balsam	20°	51.042	1.695	2.2	62.7	<0.1	0.11	3	>10.00
NENV049	Vegetation	WGS84	675873	6129150	4"	Balsam	30°	51.707	1.89	4.9	68.3	0.1	0.08	2.3	>10.00
NENV050	Vegetation	WGS84	675921	6129149	4.5"	Balsam	20°	50.64	1.486	7.4	82	0.1	0.1	7.3	>10.00
NENV051	Vegetation	WGS84	675973	6129150	4"	Balsam	20°	50.357	1.593	24.1	73.3	0.1	0.1	2	>10.00
NENV052	Vegetation	WGS84	676026	6129151	4"	Balsam	10°	51.857	2.126	2.2	51.2	<0.1	0.06	4.1	8.55
NENV053	Vegetation	WGS84	676074	6129152	3"	Balsam	10°	51.275	1.79	3.8	58	<0.1	0.07	2.9	>10.00
NENV054	Vegetation	WGS84	676124	6129150	3.5"	Balsam	25°	50.991	1.933	3.2	43	<0.1	0.1	1.6	9.76
NENV055	Vegetation	WGS84	676176	6129149	3"	Balsam	10°	51.314	2.129	3.8	38.8	<0.1	0.07	1.9	8.41
NENV056	Vegetation	WGS84	676225	6129154	4"	Balsam	0°	51.988	2.096	3.3	57.9	0.1	0.06	9.2	9.73
NENV057	Vegetation	WGS84	676282	6129150	3"	Balsam	10°	51.756	2.116	2	68.2	<0.1	0.07	5.4	>10.00
NENV058	Vegetation	WGS84	676323	6129150	4"	Balsam	30°	50.989	1.736	2.5	71.5	0.1	0.08	4.9	>10.00
NENV059	Vegetation	WGS84	676377	6129148	4.5"	Spruce	15°	50.979	2.502	0.8	56.6	0.1	0.07	2.3	9.9
NENV060	Vegetation	WGS84	676426	6129148	3.5"	Balsam	0°	51.659	1.635	1.8	71.6	<0.1	0.09	4.6	>10.00
NENV061	Vegetation	WGS84	676424	6129100	4"	Spruce	40°	51.756	2.276	1.6	50.5	0.3	0.08	1	8.63
NENV062	Vegetation	WGS84	676370	6129102	5"	Spruce	30°	51.553	2.844	0.8	41.8	0.1	0.08	0.7	7.74
NENV063	Vegetation	WGS84	676326	6129099	3.5"	Balsam	5°	51.069	1.715	2.4	81.5	<0.1	0.11	3.7	>10.00
NENV064	Vegetation	WGS84	676223	6129099	5"	Balsam	20°	51.31	2.415	4.2	44.5	0.1	0.06	2.2	8.89
NENV065	Vegetation	WGS84	676274	6129105	4"	Spruce	0°	51.808	2.8	0.7	38.1	0.1	0.05	0.9	6.23
NENV066	Vegetation	WGS84	676227	6129050	4"	Balsam	0°	51.129	1.79	5.6	49.6	0.1	0.13	3.9	>10.00

Sample	Type	Datum	Easting	Northing	Diameter	Tree Type	Angle	Pre Ash Wt	Ashed Wt	Mo	Cu	Ag	Fe	Au	K
NENV067	Vegetation	WGS84	676276	6129045	4"	Balsam	5°	50.358	1.585	3.5	75.5	0.1	0.09	3.2	>10.00
NENV068	Vegetation	WGS84	676325	6129052	3"	Spruce	5°	51.609	2.511	1	38	0.2	0.05	<0.5	8.42
NENV069	Vegetation	WGS84	676373	6129051	5"	Balsam	5°	50.922	1.822	1	70.1	<0.1	0.08	1.9	>10.00
NENV070	Vegetation	WGS84	676426	6129050	3"	Spruce	15°	51.793	1.931	1.4	50.4	0.2	0.11	0.7	>10.00
NENV071	Vegetation	WGS84	676427	6129203	4"	Spruce	5°	50.813	2.398	1.1	54.4	0.1	0.07	0.7	9.07
NENV072	Vegetation	WGS84	676377	6129203	4"	Balsam	5°	51.983	1.442	3	80.3	0.2	0.16	3.9	>10.00
NENV073	Vegetation	WGS84	676322	6129199	4"	Spruce	5°	51.063	2.374	1.8	50.8	<0.1	0.1	1.1	9.02
NENV074	Vegetation	WGS84	676270	6129202	6"	Spruce	20°	51.349	2.574	4	47.7	0.2	0.09	0.7	8
NENV075	Vegetation	WGS84	676227	6129199	5"	Balsam	10°	50.492	2.055	6	45.3	<0.1	0.13	2.4	>10.00
NENV076	Vegetation	WGS84	676178	6129198	4"	Balsam	10°	50.733	2.206	2	56.1	<0.1	0.11	1.8	>10.00
NENV077	Vegetation	WGS84	676124	6129197	4"	Spruce	30°	50.779	2.326	1.4	50.8	0.1	0.1	<0.5	9.3
NENV078	Vegetation	WGS84	676077	6129198	3"	Balsam	10°	51.867	1.336	4.7	98.5	0.1	0.13	3.7	>10.00
NENV079	Vegetation	WGS84	676025	6129197	5.5"	Balsam	5°	51.591	1.839	2.3	79.9	<0.1	0.12	2.3	>10.00
NENV080	Vegetation	WGS84	675977	6129201	5"	Balsam	10°	50.674	1.57	7.4	67.5	<0.1	0.15	2.7	>10.00
NENV081	Vegetation	WGS84	675926	6129197	3"	Balsam	10°	51.21	1.263	12.3	72.3	<0.1	0.21	2.3	>10.00
NENV082	Vegetation	WGS84	675878	6129196	3"	Balsam	15°	51.15	1.984	5.9	42.3	0.1	0.1	1.7	>10.00
NENV083	Vegetation	WGS84	675826	6129198	3"	Balsam	15°	50.963	2.242	3.1	52.9	<0.1	0.09	3.2	>10.00
NENV084	Vegetation	WGS84	675779	6129201	4"	Balsam	15°	51.604	2.313	4	51.8	<0.1	0.08	1.3	9.33
NENV085	Vegetation	WGS84	675777	6129250	3"	Balsam	10°	50.89	1.919	8.5	79.2	0.1	0.1	1.7	>10.00
NENV086	Vegetation	WGS84	675823	6129251	3"	Balsam	5°	50.654	1.56	15.8	71.2	0.1	0.16	7.1	>10.00
NENV087	Vegetation	WGS84	675875	6129249	4"	Balsam	10°	50.797	2.225	26.7	47.9	<0.1	0.09	1.3	>10.00
NENV088	Vegetation	WGS84	675925	6129251	4"	Balsam	5°	51.138	1.515	12.9	79.1	<0.1	0.19	1.8	>10.00
NENV089	Vegetation	WGS84	675970	6129246	4"	Balsam	5°	50.673	1.451	5.7	92.3	0.1	0.12	3.1	>10.00
NENV090	Vegetation	WGS84	676024	6129253	3"	Balsam	5°	50.608	1.368	11.8	84.7	0.1	0.11	1.4	>10.00
NENV091	Vegetation	WGS84	676027	6129297	6"	Balsam	0°	51.843	1.795	4.7	74.5	<0.1	0.09	0.8	>10.00
NENV092	Vegetation	WGS84	675980	6129303	5"	Balsam	0°	50.587	2.048	8.8	68.2	<0.1	0.08	1	>10.00
NENV093	Vegetation	WGS84	675926	6129302	5"	Balsam	5°	51.375	1.94	8	65.1	<0.1	0.09	1.7	>10.00
NENV094	Vegetation	WGS84	675874	6129297	4"	Balsam	10°	51.6	1.792	40.9	59.6	0.1	0.13	2	>10.00
NENV095	Vegetation	WGS84	675827	6129301	5"	Spruce	15°	50.716	2.59	1.5	41.3	0.2	0.08	0.7	8.85
NENV096	Vegetation	WGS84	675780	6129299	5"	Balsam	10°	52.722	2.286	2.2	47.6	<0.1	0.1	1.8	>10.00

Statement Of Qualifications

I, Bernie Kreft, directed the exploration work described herein.

I have over 30 years prospecting experience in the Yukon and BC.

This report is based on fieldwork conducted by Neda Dokic, and includes information from various publicly available assessment reports.

This report is based on fieldwork completed during October 11-14 of the 2019 field season.

This report is based on fieldwork completed on the Nak Project, Babine Lake area BC.

Respectfully Submitted,

_____

Bernie Kreft

Statement Of Costs

Neda Dokic sample collection fees (October 11th to 14th, 2019)		= $9,737.40
Assessment report research and preparation		= $2,200.00
Project supervision and planning		= $500.00
Bureau Veritas analytical services		= $4,221.31
	Grand Total	= $16,658.71

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Submitted By: Bernie Kreft
Receiving Lab: Canada-Vancouver
Received: October 21, 2019
Report Date: October 31, 2019
Page: 1 of 5

CERTIFICATE OF ANALYSIS VAN19003118.1

CLIENT JOB INFORMATION

Project: None Given
Shipment ID:
P.O. Number
Number of Samples: 96

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT Dispose of Reject After 60 days

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
DY060	96	Dry at 60C			VAN
SS80	96	Dry at 60C sieve 100g to -80 mesh			VAN
SVRJT	96	Save all or part of Soil Reject			VAN
AQ201	96	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Kreft, Bernie
1 Locust Place
Whitehorse Yukon Y1A 5G9
Canada

CC: Jamie Levy

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

BUREAU VERITAS MINERAL LABORATORIES Canada

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **Kreft, Bernie**
1 Locust Place
Whitehorse Yukon Y1A 5G9 Canada

Project: None Given
Report Date: October 31, 2019

CERTIFICATE OF ANALYSIS VAN19003118.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
NENS001	Soil	2.2	46.2	11.3	79	<0.1	22.7	14.8	978	3.50	20.3	4.9	1.7	71	0.2	1.2	0.6	69	0.45	0.057	14
NENS002	Soil	2.7	52.4	11.0	98	0.2	25.2	14.5	1006	3.57	15.0	6.2	1.6	56	0.3	1.1	0.3	70	0.35	0.036	16
NENS003	Soil	1.8	29.1	11.4	105	0.2	20.7	13.3	1295	3.92	16.7	1.7	0.9	39	0.5	0.8	0.3	86	0.36	0.078	8
NENS004	Soil	4.4	38.3	10.4	95	0.1	25.1	12.7	704	3.55	13.9	2.6	0.9	35	0.3	0.8	0.3	74	0.29	0.061	6
NENS005	Soil	3.3	32.0	17.5	86	0.1	20.4	11.8	289	3.63	13.2	10.9	1.2	23	0.2	1.2	0.4	75	0.14	0.051	6
NENS006	Soil	16.6	289.5	23.4	172	0.3	27.2	24.8	864	3.71	12.0	3.5	0.9	35	0.6	5.0	0.3	73	0.32	0.046	9
NENS007	Soil	2.9	32.6	9.5	102	0.3	25.2	15.5	518	3.61	13.5	2.0	1.2	26	0.3	0.8	0.2	76	0.18	0.095	6
NENS008	Soil	11.1	236.4	23.5	106	0.1	22.8	17.1	645	3.85	19.7	1.1	1.6	21	0.3	6.4	0.3	80	0.14	0.095	6
NENS009	Soil	2.8	32.1	10.5	119	0.1	23.8	10.9	367	3.89	11.7	1.6	1.2	37	0.3	0.8	0.2	76	0.22	0.065	6
NENS010	Soil	2.3	25.9	10.3	336	0.3	17.5	14.1	966	4.09	7.3	1.1	1.6	16	1.0	0.5	0.2	92	0.16	0.316	7
NENS011	Soil	1.3	32.6	10.5	89	0.2	23.3	13.2	695	3.76	12.5	2.0	0.8	35	0.4	0.7	0.2	72	0.20	0.057	8
NENS012	Soil	2.7	82.6	11.1	96	0.4	30.3	15.5	1084	3.67	11.8	2.1	1.1	63	0.5	1.0	0.2	70	0.50	0.053	26
NENS013	Soil	2.4	34.0	10.6	123	0.3	18.5	10.5	518	3.94	11.1	5.1	0.9	24	0.4	0.9	0.3	77	0.17	0.128	7
NENS014	Soil	1.2	22.5	9.4	98	0.1	20.7	11.3	489	3.34	10.0	9.2	1.2	37	0.4	0.6	0.2	69	0.23	0.056	6
NENS015	Soil	2.2	95.3	13.6	183	0.7	48.4	25.0	1639	4.53	12.5	4.8	1.6	64	0.9	1.5	0.4	74	0.64	0.063	54
NENS016	Soil	2.2	49.8	12.2	84	0.2	23.4	14.4	719	3.63	11.5	3.5	0.7	45	0.4	0.9	0.2	69	0.36	0.044	9
NENS017	Soil	2.3	41.6	10.3	80	0.2	25.6	13.7	586	3.64	11.4	0.8	0.5	47	0.4	0.9	0.2	70	0.29	0.053	12
NENS018	Soil	1.6	29.7	10.6	161	0.2	19.9	12.7	1108	3.79	12.4	3.7	0.7	38	0.6	0.8	0.2	76	0.33	0.244	6
NENS019	Soil	3.4	28.3	12.6	126	0.1	20.4	10.0	397	4.76	12.8	0.6	1.5	16	0.4	0.5	0.2	104	0.16	0.280	7
NENS020	Soil	2.0	27.2	8.8	95	<0.1	19.2	9.9	361	3.62	11.3	1.6	1.0	25	0.3	0.7	0.2	77	0.15	0.114	6
NENS021	Soil	1.9	23.0	8.9	133	0.1	18.6	9.9	406	3.79	10.0	<0.5	1.5	19	0.4	0.5	0.2	78	0.13	0.125	7
NENS022	Soil	1.7	27.1	8.7	89	<0.1	26.2	13.7	376	3.78	12.5	8.9	1.2	32	0.2	0.6	0.2	75	0.19	0.081	6
NENS023	Soil	9.2	49.5	7.6	65	<0.1	22.3	11.4	427	3.42	9.8	1.1	1.6	41	0.1	0.8	0.2	74	0.25	0.046	7
NENS024	Soil	6.8	144.1	8.3	90	0.1	23.3	12.2	719	3.14	7.9	2.3	1.5	42	0.1	1.0	0.1	72	0.32	0.032	8
NENS025	Soil	4.6	122.3	11.6	65	0.1	25.6	14.0	263	3.88	18.9	4.6	1.7	22	0.2	1.7	0.4	80	0.18	0.054	7
NENS026	Soil	2.4	51.0	11.3	69	0.1	19.7	13.4	692	3.31	14.9	3.2	1.2	39	0.2	1.1	0.3	67	0.27	0.039	7
NENS027	Soil	2.7	49.7	10.7	81	0.2	22.1	13.6	786	3.54	17.0	3.2	0.7	47	0.4	1.0	0.3	65	0.33	0.061	9
NENS028	Soil	3.2	77.2	10.4	97	0.2	22.5	12.5	983	3.56	14.3	3.1	0.5	50	0.6	1.1	0.3	68	0.57	0.128	12
NENS029	Soil	1.8	55.7	9.4	77	0.1	22.1	13.6	899	3.44	11.9	1.7	1.1	51	0.3	0.8	0.2	69	0.34	0.033	12
NENS030	Soil	3.7	94.4	9.5	80	0.3	22.0	11.6	865	3.55	11.8	1.2	0.4	58	0.4	0.7	0.2	72	0.49	0.053	15

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1 Locust Place
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Project: None Given
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CERTIFICATE OF ANALYSIS VAN19003118.1

		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
NENS001	Soil		26	0.46	195	0.051	2	1.49	0.019	0.08	<0.1	0.09	7.2	0.1	<0.05	5	1.0	<0.2
NENS002	Soil		27	0.43	213	0.044	2	1.64	0.012	0.07	<0.1	0.08	7.8	0.1	<0.05	5	1.0	<0.2
NENS003	Soil		23	0.46	170	0.065	<1	1.69	0.009	0.08	<0.1	0.05	5.5	<0.1	<0.05	6	<0.5	<0.2
NENS004	Soil		30	0.43	196	0.038	1	1.94	0.009	0.08	<0.1	0.04	3.8	<0.1	<0.05	6	<0.5	<0.2
NENS005	Soil		24	0.38	145	0.032	2	1.86	0.008	0.06	<0.1	0.04	4.0	0.1	<0.05	6	<0.5	<0.2
NENS006	Soil		26	0.42	173	0.030	2	2.26	0.009	0.07	<0.1	0.06	5.4	0.2	<0.05	6	0.7	<0.2
NENS007	Soil		26	0.39	154	0.032	2	2.52	0.008	0.06	<0.1	0.06	4.9	0.1	<0.05	6	0.6	<0.2
NENS008	Soil		25	0.36	160	0.036	2	2.35	0.008	0.05	<0.1	0.06	4.7	0.2	<0.05	6	0.7	<0.2
NENS009	Soil		26	0.35	210	0.038	1	2.30	0.009	0.06	<0.1	0.06	4.8	<0.1	<0.05	6	<0.5	<0.2
NENS010	Soil		29	0.44	202	0.051	2	2.84	0.011	0.06	<0.1	0.07	5.7	0.2	<0.05	11	<0.5	<0.2
NENS011	Soil		24	0.37	165	0.035	2	1.85	0.010	0.06	<0.1	0.07	4.4	<0.1	<0.05	5	1.0	<0.2
NENS012	Soil		29	0.46	198	0.032	<1	1.75	0.016	0.07	<0.1	0.09	11.6	0.2	<0.05	5	1.2	<0.2
NENS013	Soil		25	0.32	148	0.033	1	2.01	0.008	0.06	<0.1	0.05	4.3	<0.1	<0.05	6	0.6	<0.2
NENS014	Soil		22	0.37	158	0.036	<1	1.87	0.008	0.06	<0.1	0.06	4.1	<0.1	<0.05	5	0.6	<0.2
NENS015	Soil		34	0.58	252	0.038	1	2.47	0.017	0.09	0.1	0.07	11.7	0.2	<0.05	6	1.9	<0.2
NENS016	Soil		23	0.39	164	0.031	2	1.88	0.010	0.07	<0.1	0.07	5.0	0.1	<0.05	5	0.9	<0.2
NENS017	Soil		23	0.43	178	0.028	<1	1.95	0.010	0.06	<0.1	0.56	4.7	0.1	<0.05	5	1.0	<0.2
NENS018	Soil		23	0.34	262	0.029	3	2.23	0.009	0.06	<0.1	0.09	4.3	<0.1	<0.05	6	0.9	<0.2
NENS019	Soil		42	0.39	144	0.055	3	2.09	0.010	0.06	<0.1	0.07	5.1	0.1	<0.05	8	0.8	<0.2
NENS020	Soil		23	0.34	186	0.034	1	1.84	0.009	0.05	<0.1	0.06	4.2	<0.1	<0.05	6	<0.5	<0.2
NENS021	Soil		26	0.31	177	0.036	<1	2.34	0.008	0.05	<0.1	0.08	4.2	<0.1	<0.05	8	<0.5	<0.2
NENS022	Soil		24	0.41	176	0.033	2	2.43	0.009	0.05	<0.1	0.07	4.9	0.1	<0.05	6	0.8	<0.2
NENS023	Soil		25	0.64	188	0.064	<1	2.07	0.012	0.06	<0.1	0.07	5.1	0.1	<0.05	6	0.9	<0.2
NENS024	Soil		24	0.45	242	0.031	<1	2.11	0.010	0.05	<0.1	0.07	5.2	<0.1	<0.05	6	0.6	<0.2
NENS025	Soil		30	0.52	151	0.051	2	2.17	0.009	0.06	<0.1	0.05	5.3	0.1	<0.05	6	0.7	<0.2
NENS026	Soil		23	0.39	160	0.042	2	1.50	0.010	0.06	<0.1	0.05	4.5	<0.1	<0.05	5	0.7	<0.2
NENS027	Soil		23	0.37	138	0.034	1	1.77	0.010	0.08	<0.1	0.06	4.5	0.1	<0.05	5	0.9	<0.2
NENS028	Soil		25	0.39	195	0.024	<1	1.82	0.008	0.14	<0.1	0.06	4.4	<0.1	<0.05	5	<0.5	<0.2
NENS029	Soil		24	0.41	180	0.047	1	1.62	0.012	0.06	<0.1	0.07	6.0	0.1	<0.05	5	0.6	<0.2
NENS030	Soil		23	0.35	211	0.019	<1	1.90	0.010	0.07	<0.1	0.07	3.9	<0.1	0.06	6	0.6	<0.2

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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
NENS031	Soil	3.7	74.8	10.6	74	0.1	21.2	13.1	717	3.44	13.7	1.3	1.1	60	0.2	1.0	0.3	69	0.42	0.043	13
NENS032	Soil	7.8	417.2	11.4	81	0.3	31.6	20.0	475	3.97	19.1	8.4	1.4	34	0.1	6.7	0.9	76	0.30	0.045	12
NENS033	Soil	3.6	49.6	9.2	73	<0.1	21.7	9.8	423	3.45	10.8	1.4	1.2	33	0.1	0.8	0.2	73	0.24	0.053	7
NENS034	Soil	4.8	34.4	8.4	82	0.1	19.0	8.9	416	3.53	10.2	<0.5	1.1	22	0.2	0.5	0.2	74	0.15	0.089	6
NENS035	Soil	8.5	214.0	8.4	79	0.2	24.8	11.1	548	3.29	8.9	17.3	1.3	32	0.1	1.0	0.2	73	0.21	0.055	8
NENS036	Soil	6.4	44.4	11.6	128	0.2	18.9	17.8	1848	3.98	10.5	0.8	1.4	20	0.4	1.3	0.3	80	0.16	0.216	6
NENS037	Soil	2.0	21.2	8.2	135	0.3	18.0	9.2	320	4.31	27.3	2.6	1.3	23	0.4	0.6	0.2	82	0.17	0.162	7
NENS038	Soil	2.1	23.9	8.3	122	0.1	18.5	9.6	360	4.29	15.0	0.7	1.1	26	0.4	0.7	0.2	78	0.15	0.157	5
NENS039	Soil	2.3	18.3	10.3	102	0.1	14.1	9.7	736	3.19	9.6	<0.5	0.6	33	0.5	0.5	0.2	61	0.35	0.219	5
NENS040	Soil	16.0	137.7	12.3	138	0.4	29.4	16.9	2974	4.60	14.9	1.4	0.5	53	0.4	2.6	0.3	89	0.60	0.101	12
NENS041	Soil	1.8	156.5	10.3	98	0.1	19.1	11.3	608	4.10	12.5	1.5	1.2	23	0.2	0.7	0.2	81	0.15	0.151	7
NENS042	Soil	6.3	73.1	9.0	93	0.2	20.5	11.5	1188	3.81	11.9	14.1	0.6	39	0.3	0.8	0.2	74	0.38	0.059	8
NENS043	Soil	8.3	93.3	9.4	110	0.3	23.0	11.4	529	4.22	15.9	0.7	0.7	35	0.4	0.8	0.2	88	0.34	0.051	7
NENS044	Soil	4.2	122.3	10.0	97	0.2	22.9	13.1	986	3.79	16.4	1.6	0.9	47	0.4	1.1	0.2	71	0.40	0.050	11
NENS045	Soil	2.5	47.7	9.8	107	0.2	22.4	13.2	1088	3.73	16.3	<0.5	0.4	73	0.8	0.8	0.2	69	0.72	0.073	8
NENS046	Soil	2.1	40.1	9.4	104	0.3	24.2	11.5	707	4.13	18.7	1.1	0.5	59	0.4	0.8	0.2	73	0.44	0.066	7
NENS047	Soil	2.0	61.6	10.0	103	0.2	26.9	12.6	911	4.01	14.0	2.4	0.6	64	0.3	0.9	0.2	75	0.43	0.069	18
NENS048	Soil	2.5	41.8	10.0	101	<0.1	21.4	13.1	842	4.41	15.1	3.0	0.8	45	0.3	1.0	0.2	87	0.33	0.068	7
NENS049	Soil	4.2	44.1	10.0	96	0.1	22.5	12.5	761	3.71	15.3	0.7	0.9	48	0.3	0.7	0.2	75	0.40	0.054	9
NENS050	Soil	10.2	372.3	9.2	95	0.3	19.0	12.3	722	3.29	10.5	1.4	0.4	68	0.5	0.7	0.2	74	0.82	0.062	22
NENS051	Soil	15.0	313.3	9.8	70	<0.1	23.0	13.1	824	3.90	14.5	1.7	1.0	49	0.2	1.1	0.2	70	0.43	0.046	14
NENS052	Soil	3.1	36.7	10.8	82	0.2	14.6	10.6	747	3.72	10.9	1.4	0.3	31	0.3	0.6	0.2	75	0.23	0.117	9
NENS053	Soil	7.1	108.8	11.1	127	0.3	37.3	13.5	638	4.73	14.4	1.2	0.7	37	0.3	1.0	0.2	88	0.48	0.106	10
NENS054	Soil	3.4	27.3	13.7	153	0.2	24.0	15.8	938	5.18	16.3	1.2	1.2	30	0.4	0.7	0.2	97	0.21	0.135	9
NENS055	Soil	3.0	31.9	13.9	243	0.2	25.1	19.2	1471	5.18	14.0	0.5	1.1	32	0.7	0.6	0.2	102	0.38	0.394	8
NENS056	Soil	1.6	31.8	7.6	77	<0.1	22.3	9.4	428	3.43	11.4	<0.5	0.9	39	0.2	0.7	0.1	64	0.22	0.034	8
NENS057	Soil	2.2	31.1	12.0	97	0.3	21.4	9.6	675	4.21	14.8	<0.5	0.3	30	0.6	0.7	0.2	73	0.18	0.080	7
NENS058	Soil	7.0	37.9	18.6	268	0.5	16.7	32.9	1267	5.40	16.7	2.1	1.4	23	1.4	1.3	0.9	64	0.23	0.164	12
NENS059	Soil	1.7	39.7	9.6	114	0.2	19.0	12.9	906	3.89	13.5	4.4	0.5	45	0.4	0.7	0.1	65	0.41	0.123	6
NENS060	Soil	1.8	22.1	7.5	115	0.2	18.1	9.2	703	3.20	9.3	119.9	0.4	59	0.2	0.6	0.1	64	0.45	0.053	8

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Client: **Kreft, Bernie**
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Project: None Given
Report Date: October 31, 2019

CERTIFICATE OF ANALYSIS VAN19003118.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
NENS031	Soil	24	0.44	207	0.039	2	1.68	0.014	0.07	<0.1	0.08	6.0	0.1	<0.05	5	0.9	<0.2
NENS032	Soil	28	0.52	189	0.033	<1	2.23	0.010	0.08	<0.1	0.07	5.9	0.1	<0.05	6	1.0	<0.2
NENS033	Soil	24	0.42	152	0.040	1	1.95	0.009	0.06	<0.1	0.08	4.8	<0.1	<0.05	6	0.6	<0.2
NENS034	Soil	23	0.32	158	0.031	2	2.21	0.008	0.05	<0.1	0.05	3.7	<0.1	<0.05	7	0.8	<0.2
NENS035	Soil	26	0.45	203	0.034	<1	2.46	0.008	0.05	<0.1	0.05	5.2	0.1	<0.05	6	1.2	<0.2
NENS036	Soil	28	0.36	185	0.047	<1	2.06	0.008	0.05	0.1	0.04	3.9	0.1	<0.05	8	0.5	<0.2
NENS037	Soil	23	0.37	180	0.040	2	2.69	0.011	0.06	<0.1	0.07	4.3	<0.1	<0.05	7	<0.5	<0.2
NENS038	Soil	21	0.36	164	0.022	2	2.64	0.008	0.04	<0.1	0.08	4.8	<0.1	<0.05	7	<0.5	<0.2
NENS039	Soil	19	0.26	231	0.027	2	1.91	0.008	0.06	<0.1	0.08	3.3	<0.1	<0.05	6	<0.5	<0.2
NENS040	Soil	29	0.59	263	0.021	2	3.17	0.014	0.08	<0.1	0.05	5.5	0.2	<0.05	8	0.8	<0.2
NENS041	Soil	23	0.35	177	0.028	2	2.51	0.009	0.06	<0.1	0.07	4.7	<0.1	<0.05	8	<0.5	<0.2
NENS042	Soil	23	0.44	170	0.020	1	2.02	0.012	0.06	<0.1	0.06	4.6	0.1	<0.05	6	<0.5	<0.2
NENS043	Soil	24	0.45	205	0.038	2	2.19	0.011	0.07	<0.1	0.03	4.7	0.1	<0.05	8	<0.5	<0.2
NENS044	Soil	24	0.45	175	0.032	1	1.95	0.013	0.08	<0.1	0.05	5.7	0.1	<0.05	6	<0.5	<0.2
NENS045	Soil	21	0.37	303	0.025	2	1.81	0.010	0.11	<0.1	0.07	4.7	<0.1	<0.05	6	<0.5	<0.2
NENS046	Soil	23	0.44	203	0.022	2	2.04	0.009	0.09	<0.1	0.06	5.0	0.1	<0.05	6	<0.5	<0.2
NENS047	Soil	26	0.44	230	0.025	2	2.10	0.012	0.08	<0.1	0.06	6.7	0.1	<0.05	6	<0.5	<0.2
NENS048	Soil	25	0.52	177	0.036	<1	1.84	0.011	0.07	<0.1	0.05	5.4	<0.1	<0.05	7	<0.5	<0.2
NENS049	Soil	22	0.46	165	0.035	1	2.01	0.012	0.07	<0.1	0.05	5.3	<0.1	<0.05	6	<0.5	<0.2
NENS050	Soil	22	0.36	225	0.023	2	1.69	0.013	0.08	<0.1	0.05	4.8	<0.1	<0.05	6	0.6	<0.2
NENS051	Soil	24	0.48	151	0.045	2	1.88	0.014	0.06	<0.1	0.06	7.3	0.1	<0.05	5	<0.5	<0.2
NENS052	Soil	20	0.26	249	0.018	1	2.19	0.010	0.05	<0.1	0.05	3.0	<0.1	<0.05	7	<0.5	<0.2
NENS053	Soil	31	0.60	256	0.028	3	3.11	0.014	0.08	<0.1	0.06	5.6	0.1	<0.05	8	<0.5	<0.2
NENS054	Soil	30	0.42	234	0.039	2	2.98	0.014	0.07	<0.1	0.06	6.0	0.1	<0.05	10	<0.5	<0.2
NENS055	Soil	34	0.55	275	0.048	2	2.79	0.015	0.09	<0.1	0.07	6.5	0.1	<0.05	9	0.6	<0.2
NENS056	Soil	22	0.41	157	0.033	2	2.10	0.016	0.04	<0.1	0.07	5.4	<0.1	<0.05	5	<0.5	<0.2
NENS057	Soil	22	0.34	176	0.025	2	2.24	0.011	0.05	<0.1	0.09	4.2	<0.1	<0.05	6	<0.5	<0.2
NENS058	Soil	18	0.26	190	0.016	1	1.60	0.007	0.10	0.2	0.05	3.8	0.2	<0.05	6	0.7	0.2
NENS059	Soil	22	0.33	224	0.028	2	1.81	0.009	0.07	<0.1	0.06	4.4	<0.1	<0.05	5	<0.5	<0.2
NENS060	Soil	22	0.41	167	0.031	2	1.66	0.013	0.05	<0.1	0.08	4.8	<0.1	<0.05	6	0.7	<0.2

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	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
NENS061	Soil	3.5	45.2	10.2	128	0.1	29.9	22.1	514	5.30	16.2	2.4	1.4	21	0.4	1.1	0.4	85	0.15	0.070	7
NENS062	Soil	2.8	136.6	7.6	111	0.2	49.2	13.1	894	5.51	9.3	38.8	1.1	43	0.3	0.8	0.2	117	0.60	0.072	18
NENS063	Soil	2.2	49.6	12.3	84	0.2	29.5	13.9	861	3.95	16.0	1.0	0.6	27	0.5	0.8	0.2	70	0.16	0.074	11
NENS064	Soil	2.8	32.3	13.1	223	0.5	25.6	16.6	1165	5.70	19.4	4.6	0.8	24	0.9	0.8	0.2	103	0.33	0.418	6
NENS065	Soil	2.3	67.7	10.6	116	0.3	34.6	22.7	1102	4.20	12.1	22.3	0.7	62	0.5	0.8	0.4	79	0.57	0.077	22
NENS066	Soil	3.1	28.7	10.0	215	0.5	20.8	13.9	909	5.76	11.2	0.7	1.5	18	0.7	0.6	0.3	116	0.18	0.305	6
NENS067	Soil	1.4	40.6	9.5	98	<0.1	27.3	13.2	638	3.93	10.6	1.4	1.4	41	0.2	0.8	0.2	66	0.21	0.039	8
NENS068	Soil	1.9	140.3	12.7	145	0.8	34.9	16.8	2091	4.99	13.1	2.0	0.7	99	1.0	0.8	0.2	89	0.90	0.104	45
NENS069	Soil	3.4	57.3	15.2	124	0.3	33.3	12.7	773	5.19	16.8	0.8	0.3	56	0.6	0.9	0.3	87	0.43	0.092	15
NENS070	Soil	1.8	20.0	6.5	136	0.1	30.4	17.3	1516	4.61	11.9	0.5	1.1	28	0.7	0.7	0.9	93	0.33	0.185	12
NENS071	Soil	2.1	25.7	9.6	135	0.2	18.0	10.3	478	4.36	12.7	1.2	0.5	25	0.3	0.7	0.2	81	0.22	0.102	6
NENS072	Soil	1.3	23.2	9.7	143	0.3	18.9	10.3	814	3.85	11.1	<0.5	0.5	29	0.6	0.6	0.1	75	0.24	0.088	6
NENS073	Soil	4.6	42.5	12.8	133	0.3	25.3	9.4	488	3.75	10.5	1.4	0.7	52	0.5	0.7	0.2	72	0.58	0.061	6
NENS074	Soil	5.8	101.6	9.5	137	0.3	21.0	11.7	624	3.38	9.3	2.0	0.6	30	0.5	0.6	0.2	73	0.34	0.052	7
NENS075	Soil	1.4	28.8	8.1	84	<0.1	21.3	10.6	418	3.43	9.2	1.1	1.4	29	0.2	0.6	0.1	64	0.17	0.058	6
NENS076	Soil	2.7	28.6	12.1	205	0.3	19.3	14.3	1132	4.66	11.7	1.1	0.7	29	0.6	0.5	0.2	107	0.46	0.115	6
NENS077	Soil	3.8	38.4	9.9	102	0.2	15.1	7.0	325	3.92	12.6	1.2	0.5	36	0.3	0.7	0.3	104	0.35	0.057	7
NENS078	Soil	5.1	44.6	9.6	63	0.1	19.8	11.0	616	4.08	11.5	1.5	1.0	29	0.4	0.8	0.2	58	0.14	0.043	8
NENS079	Soil	7.5	141.2	12.5	140	0.3	27.8	17.8	1571	4.43	14.5	2.3	0.8	65	0.4	1.5	0.2	91	0.83	0.102	31
NENS080	Soil	7.2	28.7	9.8	150	0.3	16.6	9.9	786	3.63	14.6	2.6	0.8	25	0.4	0.8	0.2	79	0.20	0.114	7
NENS081	Soil	6.3	55.6	8.6	88	0.2	25.3	11.0	338	4.24	11.8	3.5	1.3	28	0.2	0.7	0.2	85	0.24	0.067	6
NENS082	Soil	4.9	85.0	10.1	86	0.3	25.6	13.8	755	3.67	12.7	1.9	0.4	63	0.3	0.8	0.2	82	0.71	0.056	17
NENS083	Soil	6.1	91.6	10.8	124	0.6	36.5	17.3	1757	4.61	12.6	2.1	0.9	86	1.0	0.6	0.2	90	0.81	0.076	21
NENS084	Soil	20.4	210.7	10.6	104	0.3	27.4	15.5	1193	3.87	13.0	2.3	0.9	91	0.6	1.0	0.2	80	0.66	0.057	14
NENS085	Soil	26.3	238.6	10.8	160	0.8	45.1	16.9	1564	4.69	11.7	6.4	1.3	113	1.2	1.0	0.3	89	0.91	0.086	20
NENS086	Soil	71.9	182.5	9.6	113	0.2	41.5	18.2	4616	4.76	10.0	1.6	1.0	109	0.5	0.8	0.1	87	0.68	0.042	10
NENS087	Soil	34.3	401.0	7.8	65	0.4	26.1	11.1	295	3.75	7.3	15.2	0.8	70	0.2	0.6	0.3	99	0.98	0.049	9
NENS088	Soil	24.1	322.8	9.4	89	0.2	28.1	16.5	829	5.29	13.6	25.0	3.2	22	0.1	1.1	0.5	111	0.22	0.164	8
NENS089	Soil	10.3	57.9	10.3	78	0.5	16.7	7.6	241	3.68	15.1	2.6	0.3	42	0.4	0.7	0.2	79	0.31	0.048	12
NENS090	Soil	15.4	65.1	9.0	68	0.2	21.1	7.9	290	3.18	9.2	1.6	0.2	89	0.3	0.5	0.2	73	1.01	0.060	11

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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
NENS061	Soil	29	0.50	167	0.023	2	3.10	0.010	0.07	<0.1	0.05	5.9	0.1	<0.05	9	<0.5	<0.2
NENS062	Soil	60	1.53	187	0.177	1	2.98	0.022	0.09	<0.1	0.03	11.6	0.1	<0.05	9	<0.5	<0.2
NENS063	Soil	25	0.36	140	0.022	2	2.56	0.010	0.07	<0.1	0.07	5.6	0.1	<0.05	6	<0.5	<0.2
NENS064	Soil	37	0.67	181	0.042	3	2.76	0.015	0.07	<0.1	0.09	6.7	0.1	<0.05	9	0.7	<0.2
NENS065	Soil	28	0.49	212	0.028	2	2.38	0.015	0.07	<0.1	0.10	8.9	0.1	<0.05	7	0.8	<0.2
NENS066	Soil	38	0.38	117	0.057	2	2.64	0.016	0.05	<0.1	0.07	5.8	0.1	<0.05	11	<0.5	<0.2
NENS067	Soil	25	0.50	158	0.034	1	1.95	0.012	0.08	<0.1	0.07	6.3	<0.1	<0.05	6	<0.5	<0.2
NENS068	Soil	33	0.58	413	0.011	2	3.17	0.014	0.12	<0.1	0.10	12.5	0.2	0.09	8	0.7	<0.2
NENS069	Soil	27	0.44	225	0.014	2	2.91	0.012	0.09	<0.1	0.09	5.0	<0.1	0.07	9	0.9	<0.2
NENS070	Soil	55	1.05	193	0.014	2	2.21	0.007	0.07	<0.1	0.03	6.2	<0.1	<0.05	9	<0.5	0.3
NENS071	Soil	23	0.33	178	0.026	2	2.13	0.009	0.07	<0.1	0.08	3.7	<0.1	<0.05	7	<0.5	<0.2
NENS072	Soil	23	0.27	218	0.024	2	1.77	0.009	0.05	<0.1	0.06	4.2	<0.1	<0.05	7	<0.5	<0.2
NENS073	Soil	21	0.26	256	0.024	3	1.84	0.007	0.09	<0.1	0.05	4.2	<0.1	<0.05	6	<0.5	<0.2
NENS074	Soil	24	0.29	266	0.022	3	1.79	0.010	0.07	<0.1	0.03	4.4	<0.1	<0.05	6	<0.5	<0.2
NENS075	Soil	24	0.35	158	0.037	2	1.86	0.010	0.06	<0.1	0.05	5.1	<0.1	<0.05	6	<0.5	<0.2
NENS076	Soil	33	0.43	188	0.050	3	1.99	0.010	0.10	<0.1	0.05	4.7	0.1	<0.05	10	<0.5	<0.2
NENS077	Soil	26	0.26	183	0.040	2	1.73	0.008	0.05	<0.1	0.11	3.5	<0.1	<0.05	9	<0.5	<0.2
NENS078	Soil	24	0.38	128	0.035	2	2.55	0.012	0.05	<0.1	0.08	5.3	<0.1	<0.05	6	0.6	<0.2
NENS079	Soil	32	0.59	304	0.029	2	2.43	0.017	0.08	<0.1	0.09	10.6	0.2	0.05	6	1.0	<0.2
NENS080	Soil	26	0.37	170	0.041	2	1.91	0.010	0.06	<0.1	0.05	4.8	0.1	<0.05	7	<0.5	<0.2
NENS081	Soil	28	0.43	133	0.048	2	2.27	0.012	0.06	<0.1	0.05	5.3	<0.1	<0.05	7	<0.5	<0.2
NENS082	Soil	29	0.46	241	0.023	2	2.48	0.019	0.07	<0.1	0.07	6.0	<0.1	<0.05	7	0.6	<0.2
NENS083	Soil	33	0.52	296	0.017	2	3.02	0.015	0.09	<0.1	0.06	9.2	0.1	0.06	8	0.6	<0.2
NENS084	Soil	29	0.52	192	0.037	3	2.02	0.019	0.09	<0.1	0.06	8.6	0.1	0.06	6	0.6	<0.2
NENS085	Soil	37	0.63	313	0.020	2	2.95	0.018	0.12	<0.1	0.07	11.5	0.2	<0.05	8	<0.5	<0.2
NENS086	Soil	38	0.63	310	0.027	3	3.19	0.018	0.10	<0.1	0.05	7.7	0.2	<0.05	8	0.5	<0.2
NENS087	Soil	44	0.62	215	0.070	2	2.10	0.014	0.07	<0.1	0.05	5.9	0.1	0.08	7	1.1	<0.2
NENS088	Soil	40	0.90	176	0.090	2	2.87	0.013	0.11	0.2	0.04	8.7	0.1	<0.05	8	<0.5	<0.2
NENS089	Soil	27	0.29	171	0.025	<1	2.03	0.011	0.04	<0.1	0.06	3.5	<0.1	0.05	7	<0.5	<0.2
NENS090	Soil	22	0.29	198	0.014	2	1.89	0.012	0.05	<0.1	0.09	3.6	0.1	0.08	7	1.0	<0.2

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	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
NENS091	Soil	17.8	86.2	9.2	73	0.3	25.5	12.7	944	3.86	12.3	5.7	0.8	69	0.4	0.9	0.3	87	0.69	0.066	14
NENS092	Soil	16.7	75.0	10.6	121	0.5	19.9	12.4	704	3.77	10.6	2.7	0.2	74	0.9	0.7	0.2	87	0.84	0.082	9
NENS093	Soil	7.9	366.6	8.5	153	0.5	82.9	20.7	1047	6.79	10.9	10.5	1.5	79	0.4	1.0	0.4	133	1.23	0.117	12
NENS094	Soil	18.3	92.0	7.3	90	0.2	20.4	11.9	979	3.42	9.4	4.6	1.0	46	0.2	0.6	0.2	69	0.46	0.046	9
NENS095	Soil	2.4	27.9	8.0	104	<0.1	19.9	11.2	496	3.87	10.1	<0.5	0.8	40	0.4	0.6	0.2	86	0.38	0.052	8
NENS096	Soil	1.9	36.8	10.3	92	<0.1	26.2	13.0	785	3.94	12.6	3.3	0.5	54	0.2	0.7	0.2	83	0.37	0.055	9

BUREAU VERITAS MINERAL LABORATORIES Canada

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Bureau Veritas Commodities Canada Ltd.

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PHONE (604) 253-3158

Client: **Kreft, Bernie**
1 Locust Place
Whitehorse Yukon Y1A 5G9 Canada

Project: None Given
Report Date: October 31, 2019

CERTIFICATE OF ANALYSIS VAN19003118.1

		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
NENS091	Soil		33	0.52	188	0.049	<1	1.94	0.028	0.06	<0.1	0.13	8.1	0.1	<0.05	6	0.9	<0.2
NENS092	Soil		24	0.26	188	0.027	2	1.55	0.012	0.04	<0.1	0.05	3.5	<0.1	0.09	7	0.9	<0.2
NENS093	Soil		122	1.84	233	0.201	3	3.80	0.049	0.09	<0.1	0.03	9.5	0.2	0.05	12	<0.5	<0.2
NENS094	Soil		26	0.44	198	0.045	1	1.83	0.012	0.07	<0.1	0.06	5.4	<0.1	<0.05	6	<0.5	<0.2
NENS095	Soil		26	0.39	180	0.045	2	1.87	0.011	0.06	<0.1	0.04	4.6	<0.1	<0.05	7	<0.5	<0.2
NENS096	Soil		29	0.52	184	0.035	1	2.01	0.014	0.06	<0.1	0.04	5.1	<0.1	<0.05	6	<0.5	<0.2

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Client: **Kreft, Bernie**
1 Locust Place
Whitehorse Yukon Y1A 5G9 Canada

Project: None Given
Report Date: October 31, 2019

QUALITY CONTROL REPORT VAN19003118.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
Pulp Duplicates																					
NENS025	Soil	4.6	122.3	11.6	65	0.1	25.6	14.0	263	3.88	18.9	4.6	1.7	22	0.2	1.7	0.4	80	0.18	0.054	7
REP NENS025	QC	5.3	126.5	11.8	67	0.1	25.1	13.9	270	3.87	19.2	7.3	1.7	22	0.2	1.7	0.4	81	0.18	0.055	8
NENS061	Soil	3.5	45.2	10.2	128	0.1	29.9	22.1	514	5.30	16.2	2.4	1.4	21	0.4	1.1	0.4	85	0.15	0.070	7
REP NENS061	QC	3.4	46.6	10.3	125	0.1	30.7	23.4	518	5.00	16.2	3.1	1.4	22	0.3	1.3	0.4	90	0.15	0.063	8
NENS089	Soil	10.3	57.9	10.3	78	0.5	16.7	7.6	241	3.68	15.1	2.6	0.3	42	0.4	0.7	0.2	79	0.31	0.048	12
REP NENS089	QC	9.7	57.2	10.5	76	0.5	16.6	7.6	255	3.78	14.9	2.8	0.3	37	0.4	0.7	0.2	76	0.28	0.054	12
Reference Materials																					
STD BVGEO01	Standard	11.0	4427.3	186.2	1902	2.5	166.4	24.0	834	3.77	123.2	221.3	14.1	59	6.1	4.0	24.0	79	1.44	0.085	25
STD DS11	Standard	14.8	149.5	132.8	326	1.7	78.6	13.8	942	3.04	39.8	80.6	7.9	69	2.4	8.8	11.7	52	1.00	0.064	18
STD DS11	Standard	14.6	147.5	134.4	348	1.6	74.9	13.3	1035	3.07	40.4	70.1	8.2	63	2.1	8.6	10.3	44	0.97	0.067	19
STD OREAS262	Standard	0.7	110.1	53.8	146	0.4	58.4	24.1	529	3.18	34.3	69.7	9.4	33	0.6	5.9	1.0	17	2.73	0.042	17
STD OREAS262	Standard	0.7	120.9	55.5	150	0.5	63.3	27.7	524	3.37	33.6	68.7	9.4	35	0.5	5.5	1.0	23	2.88	0.035	17
STD OREAS262	Standard	0.7	107.1	52.0	142	0.4	62.2	24.4	464	3.14	31.6	66.1	9.4	30	0.6	5.5	0.9	18	2.71	0.035	17
STD BVGEO01 Expected		11.2	4415	187	1741	2.53	163	25	733	3.7	121	219	14.4	55	6.5	3.39	25.6	73	1.3219	0.0727	25.9
STD DS11 Expected		14.6	149	138	345	1.71	77.7	14.2	1055	3.1	42.8	79	7.65	67.3	2.37	8.74	12.2	50	1.063	0.0701	18.6
STD OREAS262 Expected		0.68	118	56	154	0.45	62	26.9	530	3.284	35.8	65	9.33	36	0.61	5.06	1.03	22.5	2.98	0.04	15.9
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	0.8	<0.5	<0.1	<1	<0.1	<0.1	<0.1	3	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	5	<0.01	<0.001	<1

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Client: **Kreft, Bernie**
1 Locust Place
Whitehorse Yukon Y1A 5G9 Canada

Project: None Given
Report Date: October 31, 2019

QUALITY CONTROL REPORT VAN19003118.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																	
NENS025	Soil	30	0.52	151	0.051	2	2.17	0.009	0.06	<0.1	0.05	5.3	0.1	<0.05	6	0.7	<0.2
REP NENS025	QC	30	0.51	151	0.053	2	2.21	0.009	0.06	<0.1	0.05	5.2	0.1	<0.05	6	0.9	<0.2
NENS061	Soil	29	0.50	167	0.023	2	3.10	0.010	0.07	<0.1	0.05	5.9	0.1	<0.05	9	<0.5	<0.2
REP NENS061	QC	29	0.51	167	0.023	2	2.91	0.010	0.07	<0.1	0.05	6.3	0.1	<0.05	8	<0.5	<0.2
NENS089	Soil	27	0.29	171	0.025	<1	2.03	0.011	0.04	<0.1	0.06	3.5	<0.1	0.05	7	<0.5	<0.2
REP NENS089	QC	27	0.27	159	0.026	2	2.02	0.011	0.04	<0.1	0.06	3.6	<0.1	<0.05	7	<0.5	<0.2
Reference Materials																	
STD BVGEO01	Standard	185	1.35	287	0.234	3	2.57	0.211	0.94	5.5	0.10	6.5	0.7	0.77	7	5.3	1.2
STD DS11	Standard	60	0.83	361	0.093	7	1.18	0.064	0.36	3.0	0.27	3.1	4.7	0.31	5	2.4	4.4
STD DS11	Standard	57	0.77	375	0.085	6	1.14	0.067	0.38	2.9	0.26	3.4	4.6	0.29	5	2.4	4.7
STD OREAS262	Standard	40	1.05	244	0.002	3	1.27	0.062	0.29	0.2	0.17	3.4	0.5	0.23	4	<0.5	0.2
STD OREAS262	Standard	44	1.16	241	0.003	2	1.35	0.066	0.29	0.2	0.17	3.0	0.5	0.31	4	0.6	0.2
STD OREAS262	Standard	41	1.05	223	0.002	2	1.22	0.060	0.28	0.2	0.17	3.1	0.5	0.23	4	<0.5	<0.2
STD BVGEO01 Expected		187	1.2963	260	0.233	3.8	2.347	0.1924	0.89	5.3	0.1	5.97	0.62	0.6655	7.37	4.84	1.02
STD DS11 Expected		61.5	0.85	385	0.0976		1.1795	0.0762	0.4	2.9	0.26	3.4	4.9	0.2835	5.1	2.2	4.56
STD OREAS262 Expected		41.7	1.17	248	0.0027	4	1.3	0.071	0.312	0.2	0.17	3.24	0.47	0.253	3.73	0.4	0.23
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

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Client: **Kreft, Bernie**
1 Locust Place
Whitehorse Yukon Y1A 5G9 Canada

Submitted By: Bernie Kreft
Receiving Lab: Canada-Vancouver
Received: October 21, 2019
Report Date: November 07, 2019
Page: 1 of 5

CERTIFICATE OF ANALYSIS VAN19003117.1

CLIENT JOB INFORMATION

Project: None Given
Shipment ID:
P.O. Number
Number of Samples: 98

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT Dispose of Reject After 60 days

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
VA475C	98	Vegetation Ashing at 475C	50		VAN
Split Ash from VA47	98	Analysis sample split/packet			VAN
AQ200	98	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Kreft, Bernie
1 Locust Place
Whitehorse Yukon Y1A 5G9
Canada

CC: Jamie Levy

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

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Client: **Kreft, Bernie**
1 Locust Place
Whitehorse Yukon Y1A 5G9 Canada

Project: None Given
Report Date: November 07, 2019

CERTIFICATE OF ANALYSIS VAN19003117.1

	Method	VA475_	VA475_	VA475_	WGHT	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Analyte	Rec. Wt	Ash Wt	shed Wt	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi
	Unit	g	g	g	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.001	0.001	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1
NENV001	Vegetation		50.586	2.344	0.19	0.8	59.6	5.5	1308	<0.1	8.9	2.0	>10000	0.07	1.1	6.4	<0.1	1030	2.3	<0.1	<0.1
OVEN STD-2	Vegetation		40.020	1.183		2.9	37.2	9.1	1323	0.7	14.6	0.9	>10000	0.38	3.0	0.9	0.6	501	0.1	1.0	0.1
NENV002	Vegetation		51.077	1.943	0.19	1.5	67.4	8.7	932	0.1	12.7	1.7	>10000	0.08	0.8	3.4	<0.1	595	5.9	0.1	<0.1
NENV003	Vegetation		50.656	2.199	0.22	1.5	55.1	4.0	689	0.1	22.2	1.1	>10000	0.05	<0.5	1.3	<0.1	553	8.1	<0.1	<0.1
NENV004	Vegetation		50.091	2.532	0.21	2.9	43.7	5.7	549	<0.1	9.7	3.3	>10000	0.06	0.7	1.0	<0.1	467	3.4	<0.1	<0.1
NENV005	Vegetation		51.000	2.117	0.23	3.4	65.1	7.3	880	<0.1	20.9	3.6	>10000	0.05	1.2	2.0	<0.1	420	2.2	<0.1	<0.1
NENV006	Vegetation		50.378	1.693	0.27	6.2	78.6	7.2	1307	0.1	23.4	4.1	>10000	0.06	0.9	1.5	<0.1	338	7.8	<0.1	<0.1
NENV007	Vegetation		50.484	1.988	0.25	3.3	57.9	7.3	666	<0.1	24.2	7.8	>10000	0.05	0.6	1.2	<0.1	430	2.8	<0.1	<0.1
NENV008	Vegetation		50.144	2.225	0.27	2.1	45.0	5.4	727	<0.1	14.2	4.7	>10000	0.04	0.6	1.9	<0.1	591	1.2	<0.1	<0.1
NENV009	Vegetation		51.086	2.697	0.19	3.4	34.7	4.3	702	<0.1	10.4	2.8	>10000	0.04	0.7	1.6	<0.1	484	6.1	<0.1	<0.1
NENV010	Vegetation		50.174	2.155	0.24	4.8	43.7	6.0	554	<0.1	11.4	3.4	>10000	0.12	0.9	4.2	<0.1	564	1.5	<0.1	<0.1
NENV011	Vegetation		50.796	2.050	0.25	1.3	59.0	5.9	635	0.1	19.3	6.4	>10000	0.07	0.7	2.7	<0.1	726	0.9	<0.1	<0.1
NENV012	Vegetation		51.490	1.715	0.24	1.2	82.9	6.3	804	<0.1	10.4	1.0	>10000	0.05	0.9	3.0	<0.1	708	0.8	<0.1	<0.1
NENV013	Vegetation		50.824	1.798	0.20	2.3	56.3	5.5	573	<0.1	42.3	2.8	>10000	0.08	0.8	3.5	<0.1	577	1.0	<0.1	<0.1
NENV014	Vegetation		51.221	2.127	0.25	3.0	51.2	5.2	984	0.1	8.9	2.3	>10000	0.04	0.7	2.0	<0.1	670	7.3	<0.1	<0.1
NENV015	Vegetation		51.064	1.854	0.26	0.6	59.1	3.6	644	<0.1	15.6	1.2	3488	0.07	0.8	1.1	<0.1	729	0.4	<0.1	<0.1
NENV016	Vegetation		50.146	2.535	0.22	0.7	72.3	4.1	1846	0.1	7.5	1.3	5654	0.06	1.0	0.9	<0.1	1128	0.3	<0.1	<0.1
NENV017	Vegetation		51.729	1.874	0.24	1.3	65.1	5.5	567	<0.1	22.9	3.2	>10000	0.08	0.9	2.7	<0.1	639	1.5	<0.1	<0.1
NENV018	Vegetation		50.683	1.482	0.15	1.5	68.8	10.5	629	<0.1	9.8	1.6	>10000	0.12	0.9	4.9	<0.1	554	1.2	0.1	<0.1
NENV019	Vegetation		52.344	1.857	0.22	7.9	47.5	6.6	440	0.1	12.2	1.6	>10000	0.08	0.7	1.7	<0.1	732	1.3	<0.1	<0.1
NENV020	Vegetation		50.899	2.260	0.26	4.6	33.3	3.4	483	<0.1	14.5	3.2	>10000	0.06	<0.5	2.0	<0.1	556	1.3	<0.1	<0.1
NENV021	Vegetation		51.350	2.132	0.25	4.1	39.4	4.0	527	<0.1	11.8	2.5	>10000	0.08	1.1	2.0	<0.1	527	1.4	<0.1	<0.1
NENV022	Vegetation		51.104	1.471	0.22	4.0	65.8	7.7	581	<0.1	19.6	3.1	>10000	0.09	0.9	3.7	<0.1	423	0.9	0.1	<0.1
NENV023	Vegetation		50.735	1.897	0.21	6.0	64.3	6.1	652	<0.1	20.3	5.9	>10000	0.06	0.6	3.4	<0.1	350	2.4	<0.1	<0.1
NENV024	Vegetation		51.471	1.983	0.22	6.7	62.7	5.4	580	<0.1	14.8	2.9	>10000	0.07	0.7	3.4	<0.1	361	1.5	0.1	<0.1
NENV025	Vegetation		51.956	2.937	0.27	1.1	31.0	4.3	334	<0.1	7.1	2.7	>10000	0.05	0.9	1.8	<0.1	750	0.6	<0.1	<0.1
NENV026	Vegetation		50.870	2.042	0.26	1.5	44.9	4.4	655	<0.1	11.7	1.4	>10000	0.06	<0.5	1.7	<0.1	697	2.7	<0.1	<0.1
NENV027	Vegetation		51.548	1.967	0.25	2.3	73.8	4.6	1343	<0.1	13.3	2.3	>10000	0.06	0.8	3.3	<0.1	1002	3.4	<0.1	<0.1
NENV028	Vegetation		51.599	1.905	0.21	1.8	73.7	5.5	383	0.2	42.1	1.9	>10000	0.07	0.6	3.3	<0.1	808	1.2	<0.1	<0.1
NENV029	Vegetation		51.205	2.006	0.15	1.6	56.5	6.4	1474	<0.1	17.2	1.7	>10000	0.13	0.8	3.4	<0.1	912	2.9	0.1	<0.1

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1 Locust Place
Whitehorse Yukon Y1A 5G9 Canada

Project: None Given
Report Date: November 07, 2019

CERTIFICATE OF ANALYSIS VAN19003117.1

	Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Analyte	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
NENV001	Vegetation	1	20.11	2.841	<1	2	1.14	1901	0.003	141	0.06	0.016	>10	0.2	<0.01	0.2	0.2	0.40	<1	0.7	<0.2
OVEN STD-2	Vegetation	3	21.84	2.622	<1	10	2.13	1024	0.004	271	0.13	0.015	8.74	0.9	<0.01	0.2	1.4	0.82	<1	0.7	<0.2
NENV002	Vegetation	2	16.99	4.882	<1	3	2.06	454	0.005	290	0.16	0.021	>10	0.3	<0.01	0.1	0.2	0.77	<1	0.6	<0.2
NENV003	Vegetation	<1	17.17	4.093	<1	1	2.48	1427	0.003	351	0.32	0.005	>10	0.1	<0.01	<0.1	0.1	0.60	<1	<0.5	<0.2
NENV004	Vegetation	2	21.05	2.672	<1	1	2.44	1390	0.003	187	0.39	0.003	>10	0.1	<0.01	0.1	0.3	0.64	<1	0.6	<0.2
NENV005	Vegetation	3	20.04	3.799	<1	1	1.45	761	0.004	243	1.18	0.005	>10	0.1	<0.01	0.1	0.5	0.38	<1	0.6	<0.2
NENV006	Vegetation	1	15.50	>5	<1	1	2.30	1935	0.004	267	0.41	0.003	>10	0.2	<0.01	<0.1	0.3	0.57	<1	0.5	<0.2
NENV007	Vegetation	2	19.01	4.080	<1	1	2.21	1714	0.004	283	1.25	0.004	>10	0.2	<0.01	0.1	1.7	0.65	<1	0.6	<0.2
NENV008	Vegetation	2	18.84	3.285	<1	1	2.34	2579	0.003	226	0.78	0.003	>10	0.2	<0.01	<0.1	0.5	0.40	<1	0.6	<0.2
NENV009	Vegetation	3	23.07	2.934	<1	<1	1.31	1676	0.003	228	0.48	0.003	7.64	0.1	<0.01	<0.1	0.5	0.41	<1	0.6	<0.2
NENV010	Vegetation	4	18.31	3.943	<1	2	1.76	1959	0.004	145	0.62	0.007	9.60	0.2	<0.01	0.1	0.8	0.53	<1	0.5	<0.2
NENV011	Vegetation	2	21.14	2.652	<1	2	2.46	1999	0.003	197	0.30	0.004	>10	0.1	<0.01	0.1	1.9	0.51	<1	0.6	<0.2
NENV012	Vegetation	1	22.81	4.291	<1	<1	2.34	1483	0.004	364	0.09	0.005	>10	0.1	<0.01	<0.1	1.4	0.63	<1	0.7	<0.2
NENV013	Vegetation	2	20.86	4.015	<1	1	2.27	429	0.004	187	0.63	0.004	>10	0.1	<0.01	0.1	1.3	0.93	<1	0.6	<0.2
NENV014	Vegetation	3	22.44	3.852	<1	1	1.25	855	0.004	437	0.37	0.004	>10	0.1	<0.01	0.1	0.3	0.57	<1	0.8	<0.2
NENV015	Vegetation	<1	23.59	3.419	<1	<1	2.12	1137	0.003	179	0.20	0.006	>10	<0.1	<0.01	0.1	0.3	0.51	<1	0.6	<0.2
NENV016	Vegetation	<1	25.93	2.751	<1	<1	1.67	2202	0.003	442	0.05	0.006	8.86	<0.1	<0.01	0.1	<0.1	0.29	<1	0.8	<0.2
NENV017	Vegetation	2	22.94	2.892	<1	1	2.18	346	0.003	217	0.36	0.007	>10	0.2	<0.01	0.1	1.9	0.50	<1	0.7	<0.2
NENV018	Vegetation	2	20.04	4.776	<1	2	2.28	1546	0.005	282	0.29	0.006	>10	0.2	<0.01	0.2	0.9	0.60	<1	0.6	<0.2
NENV019	Vegetation	2	23.62	2.953	<1	2	2.06	1359	0.004	186	0.50	0.005	9.16	0.1	<0.01	0.2	0.5	0.61	<1	0.7	<0.2
NENV020	Vegetation	3	20.48	3.121	<1	<1	1.70	1275	0.003	224	0.48	0.003	>10	<0.1	<0.01	<0.1	1.8	0.38	<1	0.6	<0.2
NENV021	Vegetation	4	18.04	3.897	<1	1	1.42	1025	0.004	158	0.42	0.005	>10	0.1	<0.01	0.1	1.5	0.51	1	0.5	<0.2
NENV022	Vegetation	3	16.66	4.578	<1	1	2.06	846	0.005	272	0.51	0.006	>10	0.2	<0.01	0.1	1.0	0.65	1	<0.5	<0.2
NENV023	Vegetation	3	16.84	4.553	<1	1	1.87	2154	0.004	308	0.52	0.005	>10	<0.1	<0.01	0.1	1.4	0.48	1	<0.5	<0.2
NENV024	Vegetation	3	17.68	4.607	<1	1	2.15	2293	0.005	261	0.81	0.006	>10	0.1	<0.01	0.2	0.5	0.56	<1	<0.5	<0.2
NENV025	Vegetation	2	28.00	1.696	<1	<1	1.43	1144	0.002	165	0.14	0.005	6.34	<0.1	<0.01	0.1	0.2	0.35	<1	0.7	<0.2
NENV026	Vegetation	1	22.25	3.693	<1	<1	2.62	434	0.003	350	0.25	0.004	>10	<0.1	<0.01	<0.1	0.2	0.37	<1	0.5	<0.2
NENV027	Vegetation	1	23.73	4.757	<1	1	2.37	212	0.004	352	0.41	0.010	>10	0.2	<0.01	<0.1	0.5	0.48	<1	0.7	<0.2
NENV028	Vegetation	1	23.54	4.589	<1	1	2.86	194	0.004	207	0.55	0.009	9.82	0.2	<0.01	<0.1	0.5	0.72	<1	0.7	<0.2
NENV029	Vegetation	2	25.41	3.127	<1	2	2.46	184	0.005	241	0.62	0.008	9.16	0.2	<0.01	0.2	0.3	0.68	<1	0.9	<0.2

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Project: None Given
Report Date: November 07, 2019

CERTIFICATE OF ANALYSIS VAN19003117.1

Method		VA475_	VA475_	VA475_	WGHT	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte		Rec. Wt	Ash Wt	ashed Wt	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi
Unit		g	g	g	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm
MDL		0.01	0.001	0.001	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1
NENV030	Vegetation		50.998	1.942	0.24	2.1	69.6	5.3	699	<0.1	13.5	2.2	>10000	0.08	0.8	2.0	<0.1	712	2.5	<0.1	<0.1
NENV031	Vegetation		51.060	2.106	0.25	2.2	60.3	5.0	577	<0.1	24.4	1.7	9420	0.06	<0.5	2.3	<0.1	806	2.3	<0.1	<0.1
NENV032	Vegetation		50.838	2.607	0.25	3.1	41.7	3.7	442	<0.1	13.4	3.8	>10000	0.05	0.8	1.4	<0.1	383	1.9	<0.1	<0.1
NENV033	Vegetation		51.858	2.295	0.25	5.7	48.9	4.8	705	<0.1	18.1	1.8	>10000	0.05	1.2	2.0	<0.1	484	2.5	<0.1	<0.1
NENV034	Vegetation		51.571	1.992	0.28	4.9	45.7	4.2	453	<0.1	20.8	3.0	>10000	0.07	<0.5	1.9	<0.1	617	1.4	<0.1	<0.1
NENV035	Vegetation		51.493	1.887	0.28	4.7	65.1	5.5	864	<0.1	19.5	7.9	>10000	0.07	0.9	1.8	<0.1	724	2.6	<0.1	<0.1
NENV036	Vegetation		51.694	1.609	0.21	6.1	63.3	7.3	666	<0.1	23.6	4.6	>10000	0.07	0.7	2.3	<0.1	494	0.7	<0.1	<0.1
NENV037	Vegetation		51.721	1.743	0.28	4.8	57.4	6.9	781	0.1	22.0	2.4	>10000	0.12	1.0	2.1	<0.1	423	3.3	<0.1	<0.1
NENV038	Vegetation		51.227	1.923	0.23	6.2	64.4	5.8	891	<0.1	12.9	2.8	>10000	0.13	1.2	2.6	<0.1	587	3.4	<0.1	<0.1
NENV039	Vegetation		50.885	2.853	0.18	3.2	34.2	4.2	598	<0.1	8.4	2.8	>10000	0.04	0.8	1.8	<0.1	748	1.8	<0.1	<0.1
NENV040	Vegetation		50.596	1.464	0.31	7.5	86.4	6.7	651	<0.1	14.9	1.3	8923	0.09	1.0	2.1	<0.1	576	0.6	<0.1	<0.1
NENV041	Vegetation		50.685	1.611	0.25	5.3	61.3	8.2	612	<0.1	47.2	3.9	>10000	0.12	0.9	2.8	<0.1	446	1.0	<0.1	<0.1
NENV042	Vegetation		51.820	2.157	0.18	7.2	56.2	4.9	691	0.1	19.2	3.2	>10000	0.07	0.7	2.1	<0.1	444	1.8	<0.1	<0.1
NENV043	Vegetation		51.504	3.342	0.23	4.2	30.9	4.3	692	<0.1	8.2	1.3	>10000	0.02	0.8	0.6	<0.1	483	3.1	<0.1	<0.1
NENV044	Vegetation		51.563	2.584	0.18	1.6	41.2	3.3	582	0.3	7.1	1.2	>10000	0.05	0.9	0.7	<0.1	1231	2.0	<0.1	<0.1
NENV045	Vegetation		52.303	2.356	0.13	1.2	63.3	4.6	854	0.1	10.0	1.3	7865	0.06	0.7	2.4	<0.1	894	2.7	<0.1	<0.1
NENV046	Vegetation		51.713	2.089	0.21	1.0	68.0	4.3	1629	<0.1	7.3	1.2	>10000	0.07	<0.5	1.7	<0.1	1159	6.2	<0.1	<0.1
NENV047	Vegetation		50.510	2.324	0.16	0.8	52.1	3.7	1829	<0.1	6.7	1.3	9083	0.06	1.4	1.5	<0.1	1911	2.1	<0.1	<0.1
NENV048	Vegetation		51.042	1.695	0.19	2.2	62.7	7.8	885	<0.1	13.7	2.3	>10000	0.11	1.2	3.0	<0.1	850	4.7	0.1	<0.1
NENV049	Vegetation		51.707	1.890	0.22	4.9	68.3	4.8	715	0.1	7.3	1.5	>10000	0.08	0.7	2.3	<0.1	706	4.4	<0.1	<0.1
NENV050	Vegetation		50.640	1.486	0.18	7.4	82.0	7.9	1251	0.1	20.0	2.9	>10000	0.10	0.9	7.3	<0.1	564	3.2	0.1	<0.1
NENV051	Vegetation		50.357	1.593	0.16	24.1	73.3	6.3	744	0.1	23.7	4.7	>10000	0.10	0.9	2.0	<0.1	209	4.4	<0.1	<0.1
NENV052	Vegetation		51.857	2.126	0.25	2.2	51.2	4.6	474	<0.1	26.5	4.6	>10000	0.06	0.7	4.1	<0.1	873	1.1	<0.1	<0.1
NENV053	Vegetation		51.275	1.790	0.21	3.8	58.0	6.9	696	<0.1	12.6	3.4	>10000	0.07	0.7	2.9	<0.1	308	1.4	<0.1	<0.1
NENV054	Vegetation		50.991	1.933	0.19	3.2	43.0	6.1	537	<0.1	22.6	4.4	>10000	0.10	0.7	1.6	<0.1	1016	0.6	0.2	<0.1
NENV055	Vegetation		51.314	2.129	0.17	3.8	38.8	6.4	513	<0.1	13.5	2.9	>10000	0.07	1.0	1.9	<0.1	901	0.9	<0.1	<0.1
NENV056	Vegetation		51.988	2.096	0.22	3.3	57.9	6.0	835	0.1	21.0	3.3	>10000	0.06	1.1	9.2	<0.1	827	2.9	0.1	<0.1
NENV057	Vegetation		51.756	2.116	0.24	2.0	68.2	5.0	896	<0.1	18.7	3.1	>10000	0.07	0.6	5.4	<0.1	645	2.7	<0.1	<0.1
NENV058	Vegetation		50.989	1.736	0.21	2.5	71.5	6.4	1441	0.1	15.9	2.0	>10000	0.08	0.9	4.9	<0.1	481	6.0	0.1	<0.1
NENV059	Vegetation		50.979	2.502	0.17	0.8	56.6	5.0	1633	0.1	5.8	2.2	9556	0.07	0.8	2.3	<0.1	1305	1.6	<0.1	<0.1

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Project: None Given
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CERTIFICATE OF ANALYSIS VAN19003117.1

	Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Analyte	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
NENV030	Vegetation	<1	19.51	4.171	<1	1	2.34	272	0.004	410	0.34	0.005	>10	0.2	<0.01	<0.1	0.4	0.59	<1	0.6	<0.2
NENV031	Vegetation	<1	22.62	4.342	<1	1	3.52	365	0.004	294	0.28	0.005	>10	0.1	<0.01	0.1	0.4	0.43	<1	0.7	<0.2
NENV032	Vegetation	2	23.29	2.858	<1	<1	1.99	360	0.003	233	0.35	0.005	>10	0.2	<0.01	0.1	0.7	0.45	<1	0.7	<0.2
NENV033	Vegetation	2	22.50	3.337	<1	1	1.68	159	0.004	189	1.03	0.005	9.89	0.2	<0.01	0.1	0.4	0.72	<1	0.7	<0.2
NENV034	Vegetation	3	20.62	3.262	<1	1	1.28	1468	0.003	186	0.55	0.004	9.91	<0.1	<0.01	0.1	0.8	0.56	<1	0.7	<0.2
NENV035	Vegetation	2	20.96	4.547	<1	2	1.86	698	0.004	108	0.72	0.006	>10	0.1	<0.01	0.2	1.3	0.67	<1	0.8	<0.2
NENV036	Vegetation	3	16.67	4.964	<1	1	2.38	1927	0.004	235	0.53	0.005	>10	0.1	<0.01	0.1	0.9	0.57	<1	0.5	<0.2
NENV037	Vegetation	5	17.13	4.357	<1	2	2.52	1349	0.005	223	0.78	0.006	>10	0.2	<0.01	0.2	1.2	0.63	1	0.6	<0.2
NENV038	Vegetation	4	15.86	4.140	<1	1	1.89	621	0.005	205	0.43	0.005	>10	0.3	<0.01	0.2	1.3	0.70	1	<0.5	<0.2
NENV039	Vegetation	2	23.95	2.733	<1	<1	2.42	1132	0.003	169	0.42	0.003	7.52	0.1	<0.01	0.1	1.1	0.39	<1	0.7	<0.2
NENV040	Vegetation	2	20.42	4.486	<1	1	3.19	280	0.005	160	0.21	0.008	>10	0.2	<0.01	0.2	1.2	0.77	<1	0.6	<0.2
NENV041	Vegetation	4	16.08	>5	<1	2	1.52	1105	0.006	167	1.11	0.005	>10	0.2	<0.01	0.2	1.7	0.60	1	0.5	<0.2
NENV042	Vegetation	2	20.29	3.391	<1	1	2.52	1212	0.004	142	0.36	0.005	>10	0.1	<0.01	0.1	1.9	0.77	<1	0.6	<0.2
NENV043	Vegetation	2	28.06	1.521	<1	<1	1.44	1547	0.002	235	0.33	0.002	5.37	<0.1	<0.01	0.1	1.1	0.30	<1	0.6	<0.2
NENV044	Vegetation	1	24.36	1.856	<1	<1	1.23	239	0.002	239	0.05	0.004	8.01	0.1	<0.01	0.1	0.7	0.39	<1	0.6	<0.2
NENV045	Vegetation	1	23.53	3.723	<1	1	1.77	194	0.003	461	0.17	0.006	>10	0.2	<0.01	0.1	0.5	0.66	<1	0.8	<0.2
NENV046	Vegetation	1	23.48	4.122	<1	1	2.19	281	0.004	321	0.13	0.005	>10	0.1	<0.01	0.1	2.1	0.50	<1	0.9	<0.2
NENV047	Vegetation	1	27.02	2.444	<1	<1	1.59	463	0.003	468	0.06	0.015	8.45	0.1	<0.01	0.1	0.2	0.28	<1	0.8	0.2
NENV048	Vegetation	2	22.26	4.306	<1	2	2.91	893	0.005	293	0.31	0.025	>10	0.2	<0.01	0.2	0.7	0.68	<1	0.7	<0.2
NENV049	Vegetation	2	19.14	4.397	<1	1	2.29	179	0.004	281	0.19	0.005	>10	0.3	<0.01	0.1	0.5	0.75	<1	0.7	<0.2
NENV050	Vegetation	3	19.26	>5	<1	2	3.26	1015	0.006	327	0.24	0.010	>10	0.3	<0.01	0.2	1.1	0.77	1	0.7	<0.2
NENV051	Vegetation	3	17.85	4.216	<1	1	1.92	1520	0.005	347	0.34	0.010	>10	0.2	<0.01	0.2	1.1	0.70	1	0.6	<0.2
NENV052	Vegetation	2	23.64	2.873	<1	<1	2.36	2132	0.003	137	0.55	0.005	8.55	<0.1	<0.01	0.1	1.4	0.48	<1	0.7	<0.2
NENV053	Vegetation	3	19.07	4.307	<1	1	2.12	1030	0.004	166	0.36	0.007	>10	0.3	<0.01	0.2	0.8	0.78	1	0.7	<0.2
NENV054	Vegetation	4	20.13	4.643	<1	2	3.59	238	0.006	207	0.82	0.010	9.76	0.1	<0.01	0.2	1.0	0.63	1	0.7	<0.2
NENV055	Vegetation	3	22.67	3.692	1	1	2.64	793	0.004	151	1.08	0.007	8.41	0.1	<0.01	0.2	0.9	0.78	1	0.7	<0.2
NENV056	Vegetation	2	23.70	3.489	<1	4	2.04	1714	0.004	190	0.35	0.009	9.73	0.2	<0.01	0.1	1.7	0.52	<1	0.9	<0.2
NENV057	Vegetation	2	20.39	3.758	<1	2	3.42	286	0.004	155	0.41	0.006	>10	0.2	<0.01	0.1	2.2	0.57	<1	0.8	<0.2
NENV058	Vegetation	2	18.99	4.316	<1	2	1.91	453	0.004	303	0.22	0.009	>10	0.1	<0.01	0.1	0.9	0.60	<1	0.7	<0.2
NENV059	Vegetation	1	23.72	2.878	<1	2	1.37	493	0.003	300	0.07	0.008	9.90	<0.1	<0.01	0.2	0.3	0.42	<1	0.8	<0.2

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Client: **Kreft, Bernie**
1 Locust Place
Whitehorse Yukon Y1A 5G9 Canada

Project: None Given
Report Date: November 07, 2019

CERTIFICATE OF ANALYSIS VAN19003117.1

	Method	VA475_	VA475_	VA475_	WGHT	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Analyte	Rec. Wt	Ash Wt	shed Wt	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi
	Unit	g	g	g	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.001	0.001	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1
NENV060	Vegetation		51.659	1.635	0.25	1.8	71.6	5.8	944	<0.1	9.3	2.4	>10000	0.09	0.9	4.6	<0.1	831	2.7	0.1	<0.1
OVEN STD-2	Vegetation		41.791	1.200		3.5	37.6	9.0	1380	0.7	15.0	0.9	>10000	0.41	5.4	0.6	0.7	511	0.2	0.9	0.1
NENV061	Vegetation		51.756	2.276	0.22	1.6	50.5	4.8	850	0.3	10.1	6.4	>10000	0.08	1.3	1.0	<0.1	1448	2.3	<0.1	<0.1
NENV062	Vegetation		51.553	2.844	0.22	0.8	41.8	3.2	1310	0.1	5.9	1.3	5637	0.08	1.6	0.7	<0.1	1943	0.5	<0.1	<0.1
NENV063	Vegetation		51.069	1.715	0.22	2.4	81.5	7.1	890	<0.1	26.1	3.3	>10000	0.11	0.9	3.7	<0.1	1045	1.8	0.1	<0.1
NENV064	Vegetation		51.310	2.415	0.21	4.2	44.5	4.1	1263	0.1	11.2	1.7	>10000	0.06	0.5	2.2	<0.1	671	1.9	<0.1	<0.1
NENV065	Vegetation		51.808	2.800	0.22	0.7	38.1	2.1	993	0.1	5.6	1.1	7663	0.05	1.1	0.9	<0.1	>2000	0.3	<0.1	<0.1
NENV066	Vegetation		51.129	1.790	0.24	5.6	49.6	6.0	741	0.1	13.2	3.3	>10000	0.13	0.5	3.9	<0.1	519	2.6	0.1	<0.1
NENV067	Vegetation		50.358	1.585	0.21	3.5	75.5	7.7	893	0.1	21.6	5.6	>10000	0.09	0.8	3.2	<0.1	613	3.3	0.1	<0.1
NENV068	Vegetation		51.609	2.511	0.25	1.0	38.0	4.2	885	0.2	9.5	1.8	>10000	0.05	0.6	<0.5	<0.1	955	1.2	<0.1	<0.1
NENV069	Vegetation		50.922	1.822	0.26	1.0	70.1	4.3	706	<0.1	10.0	1.9	7922	0.08	0.6	1.9	<0.1	734	0.8	<0.1	<0.1
NENV070	Vegetation		51.793	1.931	0.23	1.4	50.4	5.1	1396	0.2	7.1	2.6	>10000	0.11	<0.5	0.7	<0.1	942	4.5	<0.1	<0.1
NENV071	Vegetation		50.813	2.398	0.20	1.1	54.4	3.0	422	0.1	14.1	2.7	>10000	0.07	0.8	0.7	<0.1	969	0.6	<0.1	<0.1
NENV072	Vegetation		51.983	1.442	0.20	3.0	80.3	7.6	1279	0.2	15.9	3.0	>10000	0.16	1.1	3.9	<0.1	437	6.4	0.2	<0.1
NENV073	Vegetation		51.063	2.374	0.19	1.8	50.8	3.7	1438	<0.1	32.8	1.5	8518	0.10	0.5	1.1	<0.1	1284	0.5	<0.1	<0.1
NENV074	Vegetation		51.349	2.574	0.18	4.0	47.7	3.2	1365	0.2	7.5	1.9	>10000	0.09	0.7	0.7	<0.1	783	2.8	<0.1	<0.1
NENV075	Vegetation		50.492	2.055	0.22	6.0	45.3	6.0	599	<0.1	10.3	2.1	>10000	0.13	0.7	2.4	<0.1	309	3.5	<0.1	<0.1
NENV076	Vegetation		50.733	2.206	0.19	2.0	56.1	6.3	851	<0.1	10.2	2.6	>10000	0.11	1.0	1.8	<0.1	516	1.7	<0.1	<0.1
NENV077	Vegetation		50.779	2.326	0.20	1.4	50.8	6.0	2188	0.1	12.8	1.9	>10000	0.10	0.7	<0.5	<0.1	1118	0.7	<0.1	<0.1
NENV078	Vegetation		51.867	1.336	0.27	4.7	98.5	10.6	627	0.1	18.6	2.6	>10000	0.13	1.0	3.7	<0.1	637	0.4	0.2	<0.1
NENV079	Vegetation		51.591	1.839	0.22	2.3	79.9	8.9	539	<0.1	10.2	1.2	3384	0.12	0.7	2.3	<0.1	490	0.6	0.1	<0.1
NENV080	Vegetation		50.674	1.570	0.16	7.4	67.5	12.4	928	<0.1	40.3	5.7	>10000	0.15	0.9	2.7	<0.1	676	1.7	0.1	<0.1
NENV081	Vegetation		51.210	1.263	0.23	12.3	72.3	10.2	518	<0.1	22.3	2.4	>10000	0.21	0.8	2.3	<0.1	325	0.6	0.2	<0.1
NENV082	Vegetation		51.150	1.984	0.21	5.9	42.3	5.9	533	0.1	11.3	2.6	>10000	0.10	0.9	1.7	<0.1	528	1.4	<0.1	<0.1
NENV083	Vegetation		50.963	2.242	0.22	3.1	52.9	5.1	726	<0.1	7.6	2.0	>10000	0.09	0.6	3.2	<0.1	1128	2.9	<0.1	<0.1
NENV084	Vegetation		51.604	2.313	0.24	4.0	51.8	4.6	635	<0.1	7.6	2.0	8386	0.08	0.7	1.3	<0.1	1373	2.6	<0.1	<0.1
NENV085	Vegetation		50.890	1.919	0.28	8.5	79.2	6.5	829	0.1	11.3	3.3	>10000	0.10	0.7	1.7	<0.1	859	4.3	<0.1	<0.1
NENV086	Vegetation		50.654	1.560	0.15	15.8	71.2	9.6	610	0.1	9.7	2.8	>10000	0.16	0.9	7.1	<0.1	916	1.5	0.1	<0.1
NENV087	Vegetation		50.797	2.225	0.21	26.7	47.9	6.0	525	<0.1	9.2	2.9	>10000	0.09	<0.5	1.3	<0.1	384	4.5	<0.1	<0.1
NENV088	Vegetation		51.138	1.515	0.22	12.9	79.1	9.0	815	<0.1	21.1	5.7	>10000	0.19	0.8	1.8	<0.1	209	2.5	<0.1	<0.1

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Project: None Given
Report Date: November 07, 2019

CERTIFICATE OF ANALYSIS VAN19003117.1

	Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Analyte	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
NENV060	Vegetation	2	22.08	4.794	<1	2	2.36	145	0.006	292	0.20	0.023	>10	0.2	<0.01	0.2	0.1	1.08	<1	0.8	<0.2
OVEN STD-2	Vegetation	4	23.21	2.700	1	11	2.26	1286	0.004	290	0.16	0.028	9.16	1.0	<0.01	0.2	0.4	0.83	1	0.8	<0.2
NENV061	Vegetation	2	24.64	2.530	<1	2	2.25	1479	0.004	156	0.10	0.019	8.63	0.1	<0.01	0.2	<0.1	0.39	<1	0.9	<0.2
NENV062	Vegetation	2	25.99	2.377	<1	2	1.96	879	0.003	241	0.09	0.018	7.74	<0.1	<0.01	0.2	<0.1	0.32	<1	0.9	0.2
NENV063	Vegetation	3	22.07	3.733	<1	2	2.59	140	0.006	145	0.73	0.024	>10	0.2	<0.01	0.2	0.2	0.66	1	0.8	<0.2
NENV064	Vegetation	3	24.37	4.599	<1	1	1.55	1442	0.005	330	0.27	0.013	8.89	<0.1	<0.01	0.2	0.2	0.46	1	0.9	<0.2
NENV065	Vegetation	1	25.02	1.958	<1	1	1.87	852	0.002	58	0.04	0.014	6.23	<0.1	<0.01	0.1	0.3	0.39	<1	0.8	0.3
NENV066	Vegetation	5	18.91	3.624	<1	2	2.18	430	0.005	336	0.87	0.017	>10	0.2	<0.01	0.2	0.6	0.69	2	0.6	<0.2
NENV067	Vegetation	4	19.27	4.798	<1	2	2.83	1598	0.006	282	0.57	0.022	>10	0.2	<0.01	0.2	0.2	0.64	2	0.7	<0.2
NENV068	Vegetation	1	25.13	2.801	<1	1	1.34	1939	0.003	169	0.08	0.013	8.42	0.1	<0.01	0.2	<0.1	0.41	1	0.9	<0.2
NENV069	Vegetation	1	23.58	3.176	<1	1	2.58	282	0.004	174	0.18	0.020	>10	0.2	<0.01	0.1	<0.1	0.65	<1	0.8	<0.2
NENV070	Vegetation	3	21.60	4.569	<1	2	2.09	1699	0.006	421	0.14	0.023	>10	0.2	<0.01	0.3	<0.1	0.49	1	0.8	<0.2
NENV071	Vegetation	2	24.89	2.445	<1	<1	1.16	2180	0.002	158	0.05	0.009	9.07	<0.1	<0.01	0.1	<0.1	0.35	<1	0.8	<0.2
NENV072	Vegetation	11	18.13	>5	<1	2	2.18	408	0.007	445	0.28	0.024	>10	0.2	<0.01	0.2	0.1	0.83	1	0.6	<0.2
NENV073	Vegetation	3	23.48	2.916	<1	2	1.50	696	0.003	243	0.07	0.013	9.02	0.1	<0.01	0.2	<0.1	0.34	<1	0.8	<0.2
NENV074	Vegetation	3	23.60	2.493	<1	1	1.47	496	0.003	217	0.09	0.013	8.00	<0.1	<0.01	0.2	<0.1	0.37	<1	0.9	<0.2
NENV075	Vegetation	3	18.59	4.002	<1	1	1.93	484	0.005	326	0.45	0.016	>10	0.1	<0.01	0.2	0.2	0.56	2	0.7	<0.2
NENV076	Vegetation	4	23.35	2.484	<1	2	2.30	2631	0.004	232	0.29	0.018	>10	0.2	<0.01	0.2	0.2	0.48	1	0.8	<0.2
NENV077	Vegetation	3	26.49	3.046	<1	2	1.27	2165	0.004	284	0.08	0.018	9.30	<0.1	<0.01	0.2	<0.1	0.39	<1	1.0	<0.2
NENV078	Vegetation	4	22.32	3.970	<1	3	2.68	1435	0.005	272	0.40	0.020	>10	0.2	<0.01	0.2	<0.1	0.88	<1	0.9	<0.2
NENV079	Vegetation	5	23.73	2.762	<1	2	2.91	191	0.004	260	0.12	0.024	>10	0.1	<0.01	0.2	<0.1	0.70	<1	0.8	<0.2
NENV080	Vegetation	10	21.24	4.808	<1	2	2.47	1593	0.006	348	0.80	0.021	>10	0.2	<0.01	0.2	<0.1	0.63	1	0.8	<0.2
NENV081	Vegetation	8	17.62	4.202	<1	2	2.01	1439	0.007	176	0.77	0.031	>10	0.1	<0.01	0.3	0.1	0.73	1	0.6	<0.2
NENV082	Vegetation	4	23.70	3.366	<1	1	2.05	476	0.004	167	0.27	0.014	>10	<0.1	<0.01	0.1	<0.1	0.54	<1	0.8	<0.2
NENV083	Vegetation	3	24.84	2.954	<1	1	1.89	2344	0.003	311	0.17	0.013	>10	0.1	<0.01	0.1	<0.1	0.56	<1	1.0	<0.2
NENV084	Vegetation	3	27.73	2.705	<1	1	2.05	924	0.003	162	0.16	0.013	9.33	<0.1	<0.01	0.1	<0.1	0.42	<1	1.1	<0.2
NENV085	Vegetation	4	24.00	4.669	<1	1	2.52	948	0.004	429	0.28	0.013	>10	0.1	<0.01	0.1	<0.1	0.67	1	1.1	<0.2
NENV086	Vegetation	4	23.60	3.590	<1	2	2.12	324	0.006	273	0.24	0.026	>10	0.2	<0.01	0.3	<0.1	0.84	1	1.0	<0.2
NENV087	Vegetation	9	25.46	2.740	<1	1	1.76	1545	0.003	279	0.36	0.011	>10	<0.1	<0.01	0.1	<0.1	0.40	1	0.9	<0.2
NENV088	Vegetation	<1	16.78	>5	<1	2	2.11	1341	0.005	318	0.78	0.014	>10	0.1	<0.01	0.2	<0.1	0.56	2	0.6	<0.2

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CERTIFICATE OF ANALYSIS VAN19003117.1

	Method	VA475_	VA475_	VA475_	WGHT	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Analyte	Rec. Wt	Ash Wt	shed Wt	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi
	Unit	g	g	g	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.001	0.001	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1
NENV089	Vegetation		50.673	1.451	0.20	5.7	92.3	9.6	873	0.1	10.2	1.1	>10000	0.12	0.6	3.1	<0.1	602	0.6	<0.1	<0.1
NENV090	Vegetation		50.608	1.368	0.20	11.8	84.7	10.7	550	0.1	33.6	1.5	>10000	0.11	0.6	1.4	<0.1	394	0.2	<0.1	<0.1
NENV091	Vegetation		51.843	1.795	0.25	4.7	74.5	6.7	544	<0.1	6.5	0.5	3158	0.09	0.6	0.8	<0.1	667	0.3	<0.1	<0.1
NENV092	Vegetation		50.587	2.048	0.21	8.8	68.2	5.1	648	<0.1	6.6	1.4	6140	0.08	<0.5	1.0	<0.1	781	0.5	<0.1	<0.1
NENV093	Vegetation		51.375	1.940	0.20	8.0	65.1	6.1	846	<0.1	12.6	1.4	>10000	0.09	0.7	1.7	<0.1	804	0.7	<0.1	<0.1
NENV094	Vegetation		51.600	1.792	0.25	40.9	59.6	7.1	600	0.1	11.8	3.0	>10000	0.13	0.5	2.0	<0.1	517	2.1	0.1	<0.1
NENV095	Vegetation		50.716	2.590	0.16	1.5	41.3	4.8	1473	0.2	17.0	2.2	>10000	0.08	<0.5	0.7	<0.1	1108	0.5	<0.1	<0.1
NENV096	Vegetation		52.722	2.286	0.26	2.2	47.6	5.3	1372	<0.1	8.6	2.1	>10000	0.10	0.8	1.8	<0.1	853	4.4	<0.1	<0.1

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	Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Analyte	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
NENV089	Vegetation	4	22.60	3.610	<1	2	2.89	332	0.004	402	0.08	0.015	>10	0.1	<0.01	0.2	<0.1	0.81	1	1.1	<0.2
NENV090	Vegetation	4	14.20	4.903	<1	1	2.23	918	0.005	248	0.27	0.019	>10	0.1	<0.01	0.2	<0.1	1.44	1	0.6	<0.2
NENV091	Vegetation	3	26.53	3.113	<1	1	1.65	1279	0.003	207	0.05	0.012	>10	<0.1	<0.01	0.1	<0.1	0.67	<1	1.1	<0.2
NENV092	Vegetation	4	26.44	3.236	<1	1	2.91	344	0.003	257	0.08	0.015	>10	<0.1	<0.01	0.1	<0.1	0.68	<1	1.1	<0.2
NENV093	Vegetation	4	24.35	3.164	<1	1	2.40	811	0.004	256	0.13	0.016	>10	<0.1	<0.01	0.2	<0.1	0.58	<1	1.2	<0.2
NENV094	Vegetation	10	22.32	3.154	<1	2	2.28	147	0.004	192	0.31	0.021	>10	0.2	<0.01	0.2	<0.1	1.07	1	0.9	<0.2
NENV095	Vegetation	3	23.66	2.471	<1	1	1.42	485	0.003	116	0.10	0.014	8.85	<0.1	<0.01	0.2	<0.1	0.61	1	1.1	<0.2
NENV096	Vegetation	4	24.66	2.726	<1	1	1.44	2279	0.003	314	0.26	0.011	>10	<0.1	<0.01	0.1	0.1	0.41	1	1.1	<0.2

BUREAU VERITAS MINERAL LABORATORIES Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.
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PHONE (604) 253-3158

Client: **Kreft, Bernie**
1 Locust Place
Whitehorse Yukon Y1A 5G9 Canada

Project: None Given
Report Date: November 07, 2019

QUALITY CONTROL REPORT VAN19003117.1

	Method	VA475_	VA475_	VA475_	WGHT	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Analyte	Rec. Wte	Ash Wt	shed Wt	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi
	Unit	g	g	g	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.001	0.001	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1
Pulp Duplicates																					
NENV024	Vegetation		51.471	1.983	0.22	6.7	62.7	5.4	580	<0.1	14.8	2.9	>10000	0.07	0.7	3.4	<0.1	361	1.5	0.1	<0.1
REP NENV024	QC					6.7	62.4	5.5	573	<0.1	14.8	2.8	>10000	0.07	0.8	2.9	<0.1	353	1.6	0.1	<0.1
NENV060	Vegetation		51.659	1.635	0.25	1.8	71.6	5.8	944	<0.1	9.3	2.4	>10000	0.09	0.9	4.6	<0.1	831	2.7	0.1	<0.1
REP NENV060	QC					1.8	72.0	5.9	946	<0.1	9.5	2.3	>10000	0.09	0.7	3.3	<0.1	829	2.8	<0.1	<0.1
NENV088	Vegetation		51.138	1.515	0.22	12.9	79.1	9.0	815	<0.1	21.1	5.7	>10000	0.19	0.8	1.8	<0.1	209	2.5	<0.1	<0.1
REP NENV088	QC					14.0	85.8	10.3	895	<0.1	23.5	5.1	>10000	0.19	0.6	2.0	<0.1	229	2.8	0.1	<0.1
Reference Materials																					
STD BVGEO01	Standard					11.6	4657.3	189.8	1805	2.9	172.0	26.9	768	3.92	126.5	230.3	15.4	58	6.4	1.8	24.0
STD DS11	Standard					14.7	149.5	131.1	327	1.8	86.4	14.8	1043	3.22	45.5	57.2	8.0	65	2.3	7.0	10.9
STD DS11	Standard					14.3	148.7	132.7	341	1.8	81.6	14.0	1003	3.07	44.8	64.2	7.3	62	2.2	6.6	10.7
STD OREAS262	Standard					0.7	120.6	59.0	162	0.5	71.1	30.4	588	3.49	39.3	67.6	10.1	37	0.7	2.5	1.0
STD OREAS262	Standard					0.7	119.5	58.7	163	0.5	70.1	29.4	569	3.43	38.7	67.2	10.1	36	0.6	2.1	1.0
STD OREAS262	Standard					0.7	115.8	55.5	154	0.5	67.9	28.7	569	3.23	37.1	62.5	9.0	34	0.6	2.7	0.9
STD BVGEO01 Expected						10.8	4415	187	1741	2.53	163	25	733	3.7	121	219	14.4	55	6.5	2.2	25.6
STD DS11 Expected						13.9	149	138	345	1.71	77.7	14.2	1055	3.1	42.8	79	7.65	67.3	2.37	7.2	12.2
STD OREAS262 Expected						0.68	118	56	154	0.45	62	26.9	530	3.284	35.8	65	9.33	36	0.61	3.39	1.03
BLK	Blank					<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	7	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1
BLK	Blank					<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1
BLK	Blank					<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1

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	Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Analyte	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																					
NENV024	Vegetation	3	17.68	4.607	<1	1	2.15	2293	0.005	261	0.81	0.006	>10	0.1	<0.01	0.2	0.5	0.56	<1	<0.5	<0.2
REP NENV024	QC	3	17.53	4.614	<1	1	2.12	2322	0.005	260	0.78	0.006	>10	0.1	<0.01	0.1	0.4	0.56	<1	<0.5	<0.2
NENV060	Vegetation	2	22.08	4.794	<1	2	2.36	145	0.006	292	0.20	0.023	>10	0.2	<0.01	0.2	0.1	1.08	<1	0.8	<0.2
REP NENV060	QC	3	21.93	4.849	<1	2	2.41	178	0.006	291	0.20	0.023	>10	0.2	<0.01	0.2	0.1	1.10	<1	0.7	<0.2
NENV088	Vegetation	<1	16.78	>5	<1	2	2.11	1341	0.005	318	0.78	0.014	>10	0.1	<0.01	0.2	<0.1	0.56	2	0.6	<0.2
REP NENV088	QC	<1	17.08	>5	<1	2	2.17	1425	0.006	353	0.78	0.014	>10	0.2	<0.01	0.2	<0.1	0.57	3	0.7	<0.2
Reference Materials																					
STD BVGEO01	Standard	77	1.38	0.067	26	195	1.35	339	0.239	<20	2.46	0.203	0.95	3.1	0.11	6.3	0.7	0.72	8	5.4	1.0
STD DS11	Standard	50	1.07	0.068	18	61	0.87	363	0.093	<20	1.19	0.072	0.42	2.9	0.28	3.3	5.1	0.29	5	2.5	4.6
STD DS11	Standard	48	1.04	0.064	16	57	0.83	362	0.083	<20	1.12	0.068	0.41	2.8	0.27	2.9	5.0	0.28	5	2.4	4.6
STD OREAS262	Standard	24	3.11	0.042	18	46	1.25	259	0.003	<20	1.45	0.072	0.35	<0.1	0.17	3.5	0.5	0.28	5	0.7	0.3
STD OREAS262	Standard	23	3.10	0.034	18	45	1.22	255	0.003	<20	1.44	0.070	0.35	<0.1	0.17	3.4	0.5	0.27	5	0.7	0.2
STD OREAS262	Standard	22	2.96	0.033	15	43	1.16	237	0.003	<20	1.25	0.067	0.32	0.1	0.17	3.0	0.5	0.26	5	0.7	0.2
STD BVGEO01 Expected		73	1.3219	0.0727	25.9	171	1.2963	340	0.233		2.347	0.1924	0.89	3.5	0.1	5.97	0.62	0.6655	7.37	4.84	1.02
STD DS11 Expected		50	1.063	0.0701	18.6	61.5	0.85	417	0.0976		1.129	0.0694	0.4	2.9	0.26	3.1	4.9	0.2835	4.7	2.2	4.56
STD OREAS262 Expected		22.5	2.98	0.04	15.9	41.7	1.17	248	0.003		1.204	0.071	0.312	0.13	0.17	3.24	0.47	0.253	3.73	0.4	0.23
BLK	Blank	<1	<0.01	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	0.02	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	0.03	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2