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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 and prospecting **TOTAL COST:** $24,966.34

AUTHOR(S): Marty Huber, Bernie Kreft **SIGNATURE(S):**

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): **YEAR OF WORK:** 2017

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): 5660794

PROPERTY NAME: Dease Porphyry Project South Block

CLAIM NAME(S) (on which the work was done): 1046040, 1046041, 1046042, 1046046, 1046102, 104620
1046117, 1046120, 1046121, 1046122, 1046123

COMMODITIES SOUGHT: Cu, Mo, Au, Ag

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN:

MINING DIVISION: Liard **NTS/BCGS:** 104i04 and 104j01/104i01,11,21 and 104j020

LATITUDE: 58 ° 09 ' 30 " **LONGITUDE:** 129 ° 56 ' 54 " **(at centre of work)**

OWNER(S):
1) Bernie Kreft 2)

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

OPERATOR(S) [who paid for the work]:
1) Kestrel Gold Inc 2)

MAILING ADDRESS:
1217 Centre St NW, Calgary, AB T2E 2R3

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):
copper, gold, intrusive, chalcopyrite, pyrite, skarn, porphyry

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: 33349, 33659

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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	92 rocks, 29 soils, 91 biogeochem		$24,966.34
Silt			
Rock			
Other			
DRILLING (total metres; number of holes, size)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling/assaying			
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale, area)			
PREPARATORY / PHYSICAL			
Line/grid (kilometres)			
Topographic/Photogrammetric (scale, area)			
Legal surveys (scale, area)			
Road, local access (kilometres)/trail			
Trench (metres)			
Underground dev. (metres)			
Other			
		TOTAL COST:	$24,966.34

Assessment Report on 2017 Surface work

On the

Dease Porphyry Project

South Block

Liard Mining Division
Northwestern British Columbia

444 910 mE and 6 449 403 mN
UTM Nad83 Zone 9N
NTS: 104I04, 104J01

For work completed on claims:
1046040, 1046041, 1046042, 1046046, 1046102, 104620
1046117, 1046120, 1046121, 1046122, 1046123

Operated by and recorded to:

Bernie Kreft

By

Marty Huber, P.Geo.

January 31, 2018

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Introduction and Terms of Reference

Bernie Kreft ("Kreft") was engaged by Kestrel Gold Inc. ("Kestrel") to carry out surface exploration on the Dease Porphyry Project, South Block ("Dease South" or the "Property") in British Columbia in 2017. Professional Geologist, Marty Huber (the "Author"), was engaged by Kreft to report on the exploration program. This technical report (the "Report") describes the 2017 work, which consisted of geochemical soil, rock, and biogeochemical sampling. The goal of the work was to define geochemical and biogeochemical trends that may lead to Cu and Au mineralization. The main purpose of the Report is to complete statutory assessment work filings required under British Columbia mining regulations. It is not intended and does not fully comply with National Instrument 43-101.

Location, Property Information, and Access

The Dease South property covers an area of 5089 hectares within the Liard Mining Division of British Columbia. The Property consists of three adjoining blocks: Lode in the northwest, Upper Gnat in the northeast, and Hotai in the southwest. It is located approximately 35 km due south of the village of Dease Lake (Figure 1). The approximate centre of the property is described by 444 910 mE and 6 449 403 mN, UTM Nad83 Zone 9N on N.T.S. sheets 104I04 and 104J01, Cake Hill and Tsenaglode Lake, respectively. The Property includes 33 contiguous, un-surveyed mineral titles (Figure 2) more fully described in Table 1 below.

Table 1 - List of Claims

Title	Claim Name	Owner	Good To	Area (ha)
1046040		114661 (100%)	2018/DEC/05	17.06
1046041		114661 (100%)	2018/DEC/05	17.06
1046042		114661 (100%)	2018/DEC/05	17.06
1046045		114661 (100%)	2018/DEC/05	17.06
1046046		114661 (100%)	2018/DEC/05	136.48
1046048		114661 (100%)	2018/DEC/05	102.39
1046053	LODE SOUTH	114661 (100%)	2018/DEC/05	68.27
1046055	HOTAI NE	114661 (100%)	2018/DEC/05	68.35
1046057	IPCHRE	114661 (100%)	2018/DEC/05	102.32
1046092	GNAT MAIN	114661 (100%)	2018/DEC/05	153.53
1046093	GNAT HIGHWAY	114661 (100%)	2018/DEC/05	34.12
1046094	CONNECT 1	114661 (100%)	2018/DEC/05	136.45
1046095	CONNECT 2	114661 (100%)	2018/DEC/05	85.29
1046096	CONNECT 3	114661 (100%)	2018/DEC/05	187.84
1046098		114661 (100%)	2018/DEC/05	34.11
1046099		114661 (100%)	2018/DEC/05	307.09
1046100		114661 (100%)	2018/DEC/05	17.07
1046102		114661 (100%)	2018/DEC/05	102.61
1046104		114661 (100%)	2018/DEC/05	68.38
1046110		114661 (100%)	2018/DEC/05	17.10
1046115		114661 (100%)	2018/DEC/05	34.18
1046117		114661 (100%)	2018/DEC/05	85.48
1046119		114661 (100%)	2018/DEC/05	34.20
1046120		114661 (100%)	2018/DEC/05	222.14
1046121		114661 (100%)	2018/DEC/05	102.56
1046122	HOTAI SOUTH	114661 (100%)	2018/DEC/05	188.07
1046123		114661 (100%)	2018/DEC/05	205.08
1046306	LODE FINAL	114661 (100%)	2018/DEC/05	17.06
1051523	GNAT SURROUND	114661 (100%)	2018/DEC/05	545.89
1051524	LODE EAST FRAC	114661 (100%)	2018/DEC/05	17.06
1051525	LODE REMAN	114661 (100%)	2018/DEC/05	614.12
1051526	HOTAI FINAL WEST	114661 (100%)	2018/DEC/05	324.86
1051760	HOTAI FAR EAST	114661 (100%)	2018/MAY/04	1008.72

The Property can be accessed by Highway #37 (Cassiar-Stewart Highway), which runs north-south through the western edge of the Upper Gnat block (Figure 1). The majority of the Property is best accessed via helicopter, which can be supported from Dease Lake Airport. Work can be completed from Dease Lake where lodging, food and a full range of services can be provided.

The topography on the Property is fairly varied, with steep cliffs in the north to gentle rolling hills in the south. Elevation varies from approximately 1100 m above sea level to 1980 m at the top of Thenatlodi Mountain. Much of the area is sub-alpine forested with balsam, pine, and spruce at higher elevations and alder at lower elevations. The tree line is approximately 1500 m elevation. Temperature ranges from -13°C in the winter to 10.5°C in the summer. Annual precipitation in the area averages 265 mm rain and 425 cm snow (Environment Canada Climate Weather).

Previous Work

The following table lists all known exploration history covering the Dease Porphyry Project, South Block. The data was compiled using the B.C. Ministry of Energy, Mines and Petroleum Resources Assessment Report Database (ARIS).

Table 2- Exploration History

Assessment Report #	Year	Operator	Author	Work completed
00899	1966	Copper Pass Mines	Roed, M.A., Lipsett, E.	Geophysical
00898	1966	Copper Pass Mines	Roed, M.A.	Drilling, and Geophysical
00897	1966	Copper Pass Mines	Roed, M.A.	Geological and Geochemical
00896	1966	Copper Pass Mines	Roed, M.A., Reynolds, N.	Geochemical
05298	1974	Quintana Min.	Dircks, N.	Drilling
19177	1989	Equity Silver Mines ltd.	Wetherill, J.F.	Geological and Geochemical
19138	1989	Equity Silver Mines ltd.	Wetherill, J.F.	Geophysical
19885	1990	Equity Silver Mines ltd.	Wetherill, J.F.	Geological, Geochemical and Geoophysics
28714	2006	Diakow	Diakow, S.G.	Prospecting
28215	2006	Diakow	Diakow, S.G.	Prospecting
33349	2012	Quartz Mountain Resources Ltd.	Rebagliati, C.M., Andrzejewski, A., Willis, C.	Geochemical
33659A	2012	Quartz Mountain Resources Ltd.	Andrzejewski, A. Bui, P.	Geochemical and Geophysics
33659B	2013	Quartz Mountain Resources Ltd.	Walcott, P.	Geophysics
34230	2013	Quartz Mountain Resources Ltd.	Lang, J., Galicki, M., Jessen, K., Takahashi, D., Van Straaten, B., Roberts, K.	Drilling

The first documented work in the area was on the adjacent Dalvenie claims (located between Lode and Upper Gnat blocks), which were staked in 1899 to cover mineralization in the area. In 1935, the property was examined by the B.C. Department of Mines where several sulfide showings with elevated gold and copper values were documented (Diakow, 2006). In 1966, Copper Pass Mines Ltd. conducted work on the Property including mapping, geophysics, soil geochemical surveys, trenching and diamond drilling.

In 1960, copper mineralization was discovered in the area of Lower Gnat Lake (just north of the Dease Porphyry project, South Block) by Cassiar Asbestos Corp. In 1964, Newconex Canadian Exploration Ltd. completed prospecting, mapping, geophysics, and trenching programs in the area of Lower Gnat Lake. This work identified the presence of chalcopyrite in volcanic rocks associated with a broad shear zone along Gant Creek and a nearby intrusion.

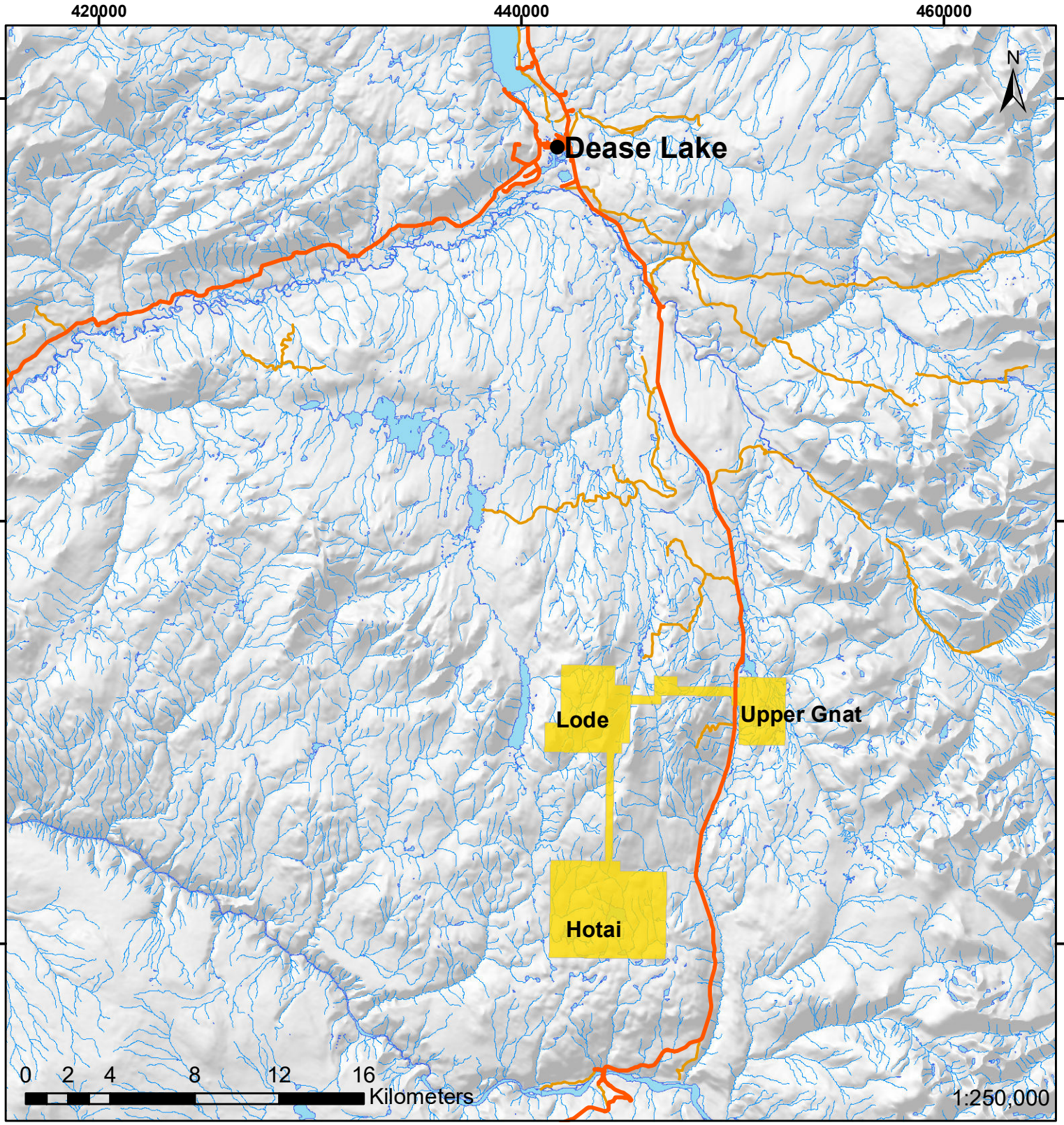
From 1965 to 1967, Lytton Minerals began exploration in the area completing geophysical, drilling, mapping, geochemical and geological surveys. Large west-northwest magnetic anomalies were identified as well as several Cu soil anomalies.

From 1980 to 1990, Equity Silver Mines Ltd. acquired the property and preformed soil geochemical and geophysical surveys, before dropping the option (Diakow, 2006).

From 2011 to 2012, Quartz Mountain Resources Ltd. completed extensive geochemical, prospecting, mapping, geological, geophysical and drilling work in the area. The work (summarized from Andrzejewiski and Bui, 2012) identified several targets, including what are now the Lode and Hotai blocks.

Work over the Lode block consisted of stream sediment, soil and rock sampling as well as an IP survey. The soil grids completed over the Lode block returned excellent copper results with the identification of three one square kilometer and one half square kilometer anomalies. The rock sampling identified stringers and veins containing chalcopyrite, chalcocite, arsenopyrite and pyrite with copper percentages typically greater than one percent, samples from quartz veins over this block returned values of 1.9 % Cu and 1.8 ppm Ag. Andrzejewiski and Bui (2012) noted the importance of the block due to the prolific propylitic alteration of volcanic and sedimentary rocks that surround quartz monzonite and syenite phases of the Three Sisters Plutonic Suite. The IP survey over the Lode block also identified four chargeability anomalies.

Work over the Hotai block in 2012 included an IP survey which identified two significant chargeability anomalies, one in the south measures 750 by 1700 metres and is coincident with a magnetic high feature and the second anomaly to the north occurs over 1100 metres by 1700 metres and is coincident with a ringed magnetic high with a magnetic low centre, a feature typically associated with porphyry copper deposit (Andrzejewiski and Bui, 2012). Stream sediment sampling on the block returned values up to 98.2 ppm Cu and soil grid sampling returned several elevated Ag and Cu anomalies. Rock sampling returned results up to 0.56 % Cu and 3.7 ppm Ag from potassic altered diorite outcrops.



KESTREL GOLD INC

Dease Porphyry Project
South Block
Figure 1 - Location

- Communities
- Roads
- Trails
- PropertyDease

Coordinate System: WGS 1984 UTM Zone 9N
Projection: Transverse Mercator
Datum: WGS 1984

445000

450000

6450000

6445000

6440000

N

1051525

1046306

1046098

1046042

1046057

1046094

1046095

1046093

1046092

1046041

1051524

1046040

1046099

1046046

1046045

1051523

1046100

1046048

1046053

1046096

1046120

1046115

1046123

1046055

1046121

1046117

1051760

1046104

1046122

1046119

1046110

1046102

1051526

0 0.5 1 2 3 4

Kilometers

1:50,000

Dease Lake

KESTREL GOLD INC

Roads

Trails

Claims

Dease Porphyry Project
Figure 2 - South Block Claims

Coordinate System: WGS 1984 UTM Zone 9N
Projection: Transverse Mercator
Datum: WGS 1984

Regional Geology

The Dease Porphyry Project is located on the northern border of the Stikine terrane of the Canadian Cordillera, a volcanic arc terrane separated by the oceanic Cache Creek Terrane (Figure 3). The Stikine Terrane is comprised of Carboniferous to Middle Jurassic island arc volcanic and sedimentary rocks of the Asitka, Takla and Hazelton groups and the related Topley, Stern Creek, and Spike Peak plutonic suites (Schiarizza and MacIntyre, 1999). Devonian to Permian arc volcanic rocks and platform carbonates of the Stikine Assemblage form the basement to Stikine. They are overlain by Triassic Stuhini Group, mafic to intermediate volcanic rocks, and the Early to Middle Jurassic Hazelton Group, intermediate volcanic rocks (Marsden and Thorkelson, 1992).

The Stikine terrane was intruded by large granitiod plutons and batholithic during the Late Triassic to Middle Jurassic, which are exposed as an arcuate belt referred to as the Stikine arch (Robert et al., 2012). The northern part of the Stikine terrane (Dease Lake area) is intruded by several small, Late Jurassic to Cretaceous plutons (Anderson and Bevier, 1992).

The Property lies within the Golden Triangle mineralized district, which contains several Late Triassic to Early Jurassic porphyry deposits. Notable examples include Galore Creek, Shaft Creek, KSM, Red Chris, Fin and Kemess (Robert et al., 2012). The Dease Porphyry Project is situated on the Stikine magmatic arch, which hosts many of these deposits.

Property Geology

The following geology descriptions were referenced from Mihalynuk et al. (1996), which offers the most recent regional mapping and compilation work in NW British Columbia (Open file 1996-11).

Lode Block

The Lode block is primarily underlain by undifferentiated Triassic and Jurassic calc-alkaline and tholeiitic volcanic rocks (uTrJv); these are flanked to the east and southwest by the north to northwest trending Three Sisters Plutonic Suite (MJTSqm). The 174-168 Ma plutonic suite contains three phases: an early hornblende diorite phase; a later biotite quartz-monzonite phase; and the latest phase, biotite granite to quartz-syenite (Van Straaten et al., 2012). The second most prevalent lithology on the block is an augite porphyry meta-andesite and meta-basalt breccia (mTrv), which is occasionally in contact with shale units (mTrsf). A northeast trending fault transects the centre of the block (Figure 4).

Hotai Block

The Hotai block is primarily underlain by the Late Triassic Latham Creek Pluton, a strongly foliated hornblende quartz diorite (LTrqd). This is in contact with weakly to moderately foliated quartz monzonitic intrusive rocks to the south (Ltrqm). The eastern border of the block is underlain by Middle Triassic shales (mTrsf).

Upper Gnat Block

The eastern portion of the Upper Gnat block is underlain by the Cake Hill Pluton, a weakly to moderately foliated hornblende quartz monzonite (LTrqm). This is in contact with an augite porphyry meta-andesite and meta-basalt breccia unit to the east. The southwestern portion of the block is underlain by intrusions of the Late Triassic Stikine Plutonic suite, a ≥223 Ma hornblende clinopyroxenite referred to

as the Gnat Lake ultramafite (LTrum). East of this, lays a sliver of the Caribou Meadows pluton, an augite metagabbro (LTrgb). This block is also transected on the western edge by a northwest trending fault.

Mineralization

Mineralization in the area is associated with Late Triassic and Middle Jurassic intrusive rocks. The following descriptions of mineralized zones were summarized from Kestrel Gold news releases (Kestrel, 2018) and Andrzejewiski and Bui (2012) technical report on the Galaxie Property.

Lode

At Lode, mineralization is found within andesitic volcanic rocks, which have undergone propylitic and metasomatic (skarn) alteration, cut by syenitic to dioritic dykes and related small intrusive bodies. Numerous showings of vein, disseminated and shear hosted chalcopyrite, bornite and possible chalcocite are found within this sequence, predominantly within andesite but also within intrusive dykes and bodies. Additionally quartz-monzonite phases of the Three sisters Plutonic Suite on this block have shown to contain elevated levels of molybdenum (Andrzejewiski and Bui, 2012).

Upper Gnat

The Upper Gnat prospect contains shear-hosted disseminated to semi-massive sulphide mineralization within the Upper Triassic Cake Hill pluton. Rock samples taken in 2016 returned values from trace to >1.0 % Cu with 5.219 g/t Au, possibly representing remobilized “bonanza-style” mineralization outbound from a porphyry centre.

Hotai

At Hotai, mineralization appears to have an association with two previously defined Induced Polarization (IP) chargeability anomalies with significant aerial extent. One measures 750 m by 1700 m and is coincident with a Total Magnetic Intensity (TMI) high feature. The second chargeability target measures 1100 m by 1700 m and is coincident with an annular TMI high feature surrounding a central magnetic low, which is a common porphyry Cu deposit signature. Rock sampling over the zone has identified alteration and mineralization styles consistent with those expected in the outer halo of a porphyry system. Andrzejewiski and Bui (2012) report a sample taken from a vein of massive potassium feldspar in a hornblende diorite returning 0.56 % Cu and 3.7 ppm Ag. Additional samples returned 473.8 ppm Cu and 0.25 ppm Ag from a vein with propylitic alteration and disseminated pyrite.

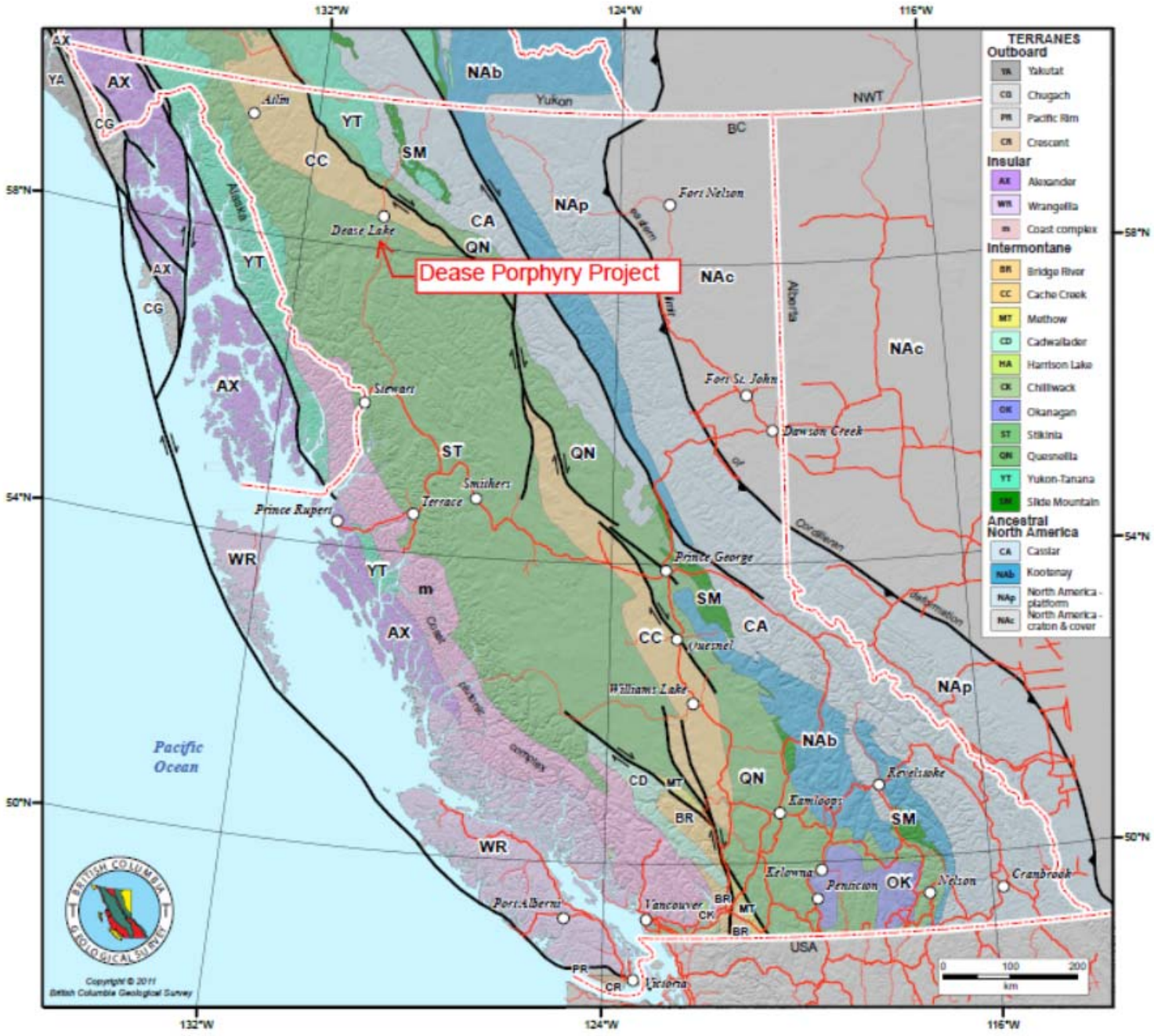
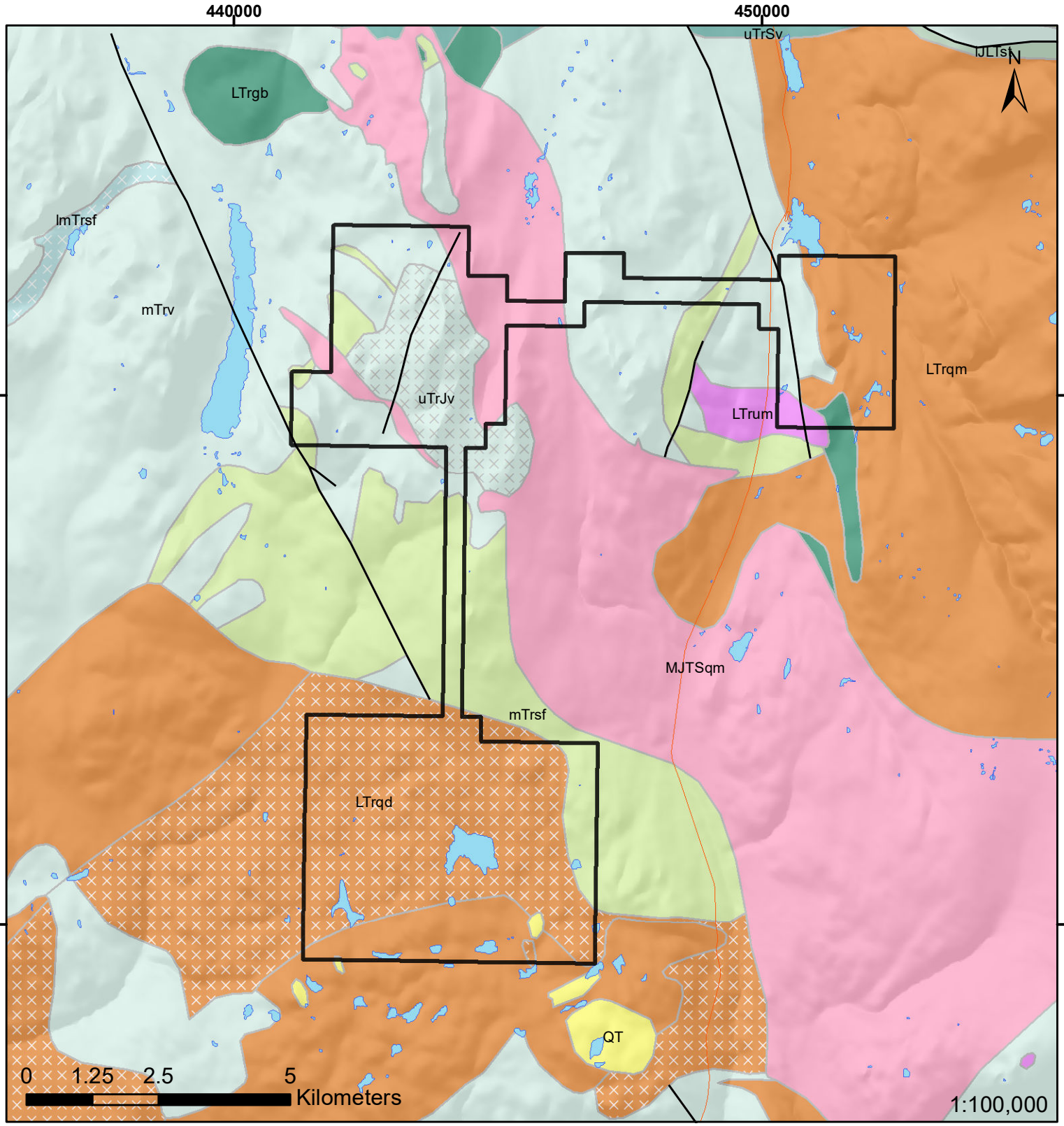


Figure 3 – British Colombia Terranes (British Columbia Geological Survey, 2011)



Geology Legend - Figure 5b

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Faults

Roads

Dease Lake Project

Geology From:
British Columbia Geological Survey
(Massey et al., 2005, BC)

Dease Porphyry Project
Figure 4 - Bedrock Geology

Coordinate System: WGS 1984 UTM Zone 9N
Projection: Transverse Mercator
Datum: WGS 1984

Pleistocene to Holocene

QT *Bimodal volcanic rocks*

Paleocene to Eocene

PeEfp *Feldspar porphyritic intrusive rocks*

Cretaceous

luKSusc *Coarse clastic sedimentary rocks*

Jurassic

Jdr *Dioritic intrusive rocks*

Jgd *Granodioritic intrusive rocks*

Jsy *Syenitic to monzonitic intrusive rocks*

Early Jurassic

EJqm *Quartz monzonitic intrusive rocks*

EJgd *Granodioritic intrusive rocks*

Lower Jurassic

lJLlst *Argillite, greywacke, wacke, conglomerate turbidites*

lJLTst *Argillite, greywacke, wacke, conglomerate turbidites*

Upper Triassic to Lower Jurassic

uTrJv *Undivided volcanic rocks*

Upper Triassic

uTrSls *Limestone bioherm/reef*

uTrSs *Undivided sedimentary rocks*

uTrSsv *Marine sedimentary and volcanic rocks*

uTrSv *Undivided volcanic rocks*

Late Triassic

LTrgb *Gabbroic to dioritic intrusive rocks*

LTrdr *Dioritic intrusive rocks*

LTrqd *Quartz dioritic intrusive rocks*

LTrqm *Quartz monzonitic intrusive rocks*

LTrum *Ultramafic rocks*

Middle Triassic

MJTSqm *Quartz monzonitic intrusive rocks*

mTrsf *Mudstone, siltstone, shale fine clastic sedimentary rocks*

mTrv *Undivided volcanic rocks*

Lower Triassic to Middle Triassic

lmTrsf *Mudstone, siltstone, shale fine clastic sedimentary rocks*

Upper Permian to Jurassic

uPJCKl *Undivided sedimentary rocks*

Upper Permian to Lower Triassic

uPTrK *Undivided volcanic rocks*

Lower Permian

lPSlm *Limestone, marble, calcareous sedimentary rocks*

Pennsylvanian

PnSsf *Mudstone, siltstone, shale fine clastic sedimentary rocks*

PnSv *Undivided volcanic rocks*

Upper Mississippian to Permian

uMPCum *Ultramafic rocks*

Geology From:
Ministry of Energy, Mines
and Petroleum Resources
BC Digital Geology
(Massey et al., 2005)

KESTREL GOLD INC

Geological Legend
Figure - 5b
January 26, 2018

2017 Exploration

Surface exploration on the Property, including travel to and from Whitehorse, Yukon, was completed between July 21 and July 30, 2017, for a total of 18 man days. The crew included four Whitehorse based prospectors: Bernie Kreft, Jarret Kreft, Justin Kreft and Joel Wynnyk. Work was completed with truck set outs from Northway Motor Inn in Dease Lake to site or to Dease Lake airport when helicopter support was required. Helicopter work was supplied by Lakelse Air and Tundra Helicopters. Work was completed in conjunction with the nearby Hu block (roughly 20 km northwest). Travel, food, and lodging costs were prorated based on man days spent on each project. Samples from both projects were submitted as one job and contain assay results from both projects on one certificate; costs were prorated on a per sample basis. Final analytical results were received on September 11, 2017. The Author compiled the field data into digital maps and wrote this Report up to January 31, 2018. A detailed Statement of Work is included herein as Appendix A.

Rock Sampling

A total of 92 rocks (including 1 QAQC) were collected over the property, 37 from the Hotai block and 55 from the Lode block. Sample locations were tagged in field using flagging inscribed with the sample code. Sample descriptions were recorded in field with hand written notes and locations recorded with Garmin GPS receivers in map datum UTM Nad83 Zone 9N. Sample Locations (Figure 5 and 6) and descriptions are included as Appendix B. Rock samples were placed in industry standard poly rock bags with the appropriate sample numbers marked in indelible ink. Samples were then sealed in rice bags and shipped to Bureau Veritas Minerals Laboratories ("BV") via Greyhound in Whitehorse for preparation and subsequently to Vancouver for analysis. Samples were crushed, split, and pulverized to ≥85 % passing 200 mesh (BV Code PRP70-250) and analyzed for 36 elements, including Au and Cu, by 15 gram Aqua Regia digestion, ICP-MS finish (BV cod AQ201; Appendix C). Several samples returned Cu values over detection and were reanalyzed by multi-acid digestion, AAS finish (BV code MA404; Appendix C). BV is accredited under ISO 9001.

Rock sample THR-12 was recorded in field and assayed however coordinates for the sample are missing. The location marked for the sample on Figure 6 was estimated by the sampler.

Lode Rock Results

Rock results from the Lode block are presented in Figure 8. Samples were taken in four zones over the Lode block which are best described as: northeast, northwest, southeast and southwest zones. All zones returned significant Cu results.

TLR-31 returned 1.27 % Cu and TLR-32 returned 2.26 % Cu both samples were taken from a syenite in the northeast containing quartz. TLR-31 displayed weak azurite and malachite staining and TLR-32 contained vuggy sulfides (3 % Chalcopyrite, 2 % Bornite)

The southeast returned excellent results with 6.12 % Cu (BLOR-2) and 1.21 % Cu (BLOR-6). BLOR-2 was taken from a sheared quartz vein containing sulfides (4-5 % chalcopyrite); this sample also returned values of 521.2 ppb Au, 211 ppm Co and 39.7 ppm Ag. BLOR-6 was taken from an andesite described as a vuggy green epidote skarn with 5 - 6 % chalcopyrite.

Sampling from the southwest zone returned 2.65 % Cu (TLR-17) and 1.17 % Cu (TLR-14). TLR-17 was taken from a diorite with a coarse grained calcite vein containing sulfide blebs (5 % Chalcopyrite and 1 % Bornite) and malachite salvages. TLR-14 was taken form an andesite with trace sulfides (Chalcopyrite).

TLR-24 returned 1.26 % Cu which was taken from an unknown brecciated material with disseminated sulfides (15-20 % Pyrite, 5 % Chalcopyrite) and fine silica stringers. TLR-29 assayed 5.06 % Cu this sample was taken from a syenite with blebby sulfides (8 % chalcocite).

Gold values ranged from below detection (i.e. < 0.5 ppb Au) up to a maximum of 521.2 ppb Au (BLOR-02). Two additional samples returned notable Au values of 240.1 ppb Au (TLR-21), which was taken from a strongly fractured andesite with up to 2% chalcopyrite, and 141.6 ppb Au (TLR-23), taken from a syenite with trace malachite and a massive hematite vein. Samples are more fully described in Appendix B.

Hotai Rock Results

Rock results from the Hotai block are presented in Figure 9. Maximum gold values on the Hotai block reached 288.3 ppb Au from a syenite with less than 1 % chalcopyrite and up to 1 % pyrite (THR-02). This sample also assayed 1098 ppm Cu. Another sample taken from an andesite with 3-4 % chalcopyrite assayed 3172 ppm Cu (THR-15). Rock samples are more fully described in Appendix B.

Soil Sampling

A total of 29 soil samples were collected over the Lode block in 2017. Sample locations were tagged in field using flagging inscribed with the sample code. Sample locations were recorded using Garmin GPS receivers in map datum UTM Nad83 Zone 9N. Samples were taken at variable intervals on the eastern side of Thenatlodi Mountain (Figure 5; Appendix B). Sample material consisted of till taken from an average depth of 80 cm using hand held augers. Soil samples were placed in Kraft-type paper bags with the appropriate sample numbers marked with indelible ink. Samples were dried, sealed in rice bags, and shipped to Bureau Veritas in Whitehorse via Greyhound for preparation and subsequently to Vancouver, B.C. for analysis. Samples were dried and sieved to -80 mesh size and analyzed for 36 elements (including Au and Cu) by 15 g Aqua Regia digestion, ICP-MS finish (BV code AQ201; Appendix C).

Samples from the soil survey returned Au values ranging from below detection (i.e. < 0.5 ppb Au) to a maximum of 28.7 ppb Au. Notable copper values from the soil sampling include 4615 and 1684 ppm Cu. Several notable cobalt values were also obtained from this work including values up to 539.0 and 284.1 ppm Co. Gold and Cu values were evaluated as calculated percentiles and plotted in thematic maps (Figure 7).

Table 3 - Soil Results

Field	Minimum	Maximum	Mean	Percentile70	Percentile85	Percentile90	Percentile95	Percentile98
Cu ppm	60.5	4615.8	485.7	349.3	561.3	768.1	1540.1	3795.1
Au ppb	1.2	28.7	7.6	6.8	13.5	16.4	21.9	27.7

Biogeochemical

A total of 91 biogeochemical samples (including 1 QAQC) were taken variably over prospective zones on the Hotai block (Figure 6; Appendix B). Biogeochemical sampling concentrated on Balsam Fir trees and

involved gathering sufficient amounts of the last 15-20 cm of branch tips to fill a standard 8.5 x 11 poly sample bag approximately 2/3 full. Sample sites were marked in the field using flagging inscribed with the sample code. The QAQC process included taking an overly large sample and accurately split it into two samples, one with the original sample number and the other with a sample number that is part of a different sample set. Samples were sealed in rice bags and shipped to Bureau Veritas in Whitehorse via Greyhound for preparation and subsequently to Vancouver, B.C. for analysis. Preparation consist of ashing 50 g of dried vegetation at 475^{o}C (BV code VA475) then analyzed for 36 elements (including gold and copper) by 15 gram (g) Aqua Regia digestion, ICP-MS finish (BV code AQ201; Appendix C)

Gold and Cu values were evaluated as calculated percentiles and plotted as thematic maps (Figure 10 and 11). Figure 11 displays biogeochemical Cu results overtop of two TMI anomalies (Dease Lake and Iskut; GBCR 2012-02) with significant Cu values collected from the northeast corner of the annular mag feature, further sampling is needed to identify trends.

Table 4 - Biogeochemical Results

Field	Minimum	Maximum	Mean	Percentile70	Percentile90	Percentile95	Percentile98
Cu ppm	57.9	124.8	89.8	97.5	107.5	111.4	117.0
Au ppb	0.0	195.9	6.8	4.6	10.6	17.9	45.9

Data Verification

It is the Authors opinion that the sampling procedures, security measures, sample preparations, and analytical methods applied to the rock samples were diligently followed and are adequate to meet industry standards commonly accepted for this level of exploration. The Author has relied upon the adequacy and accuracy of the analytical results provided by BV. Independent verification of those results has not been undertaken. The Author reconciled the field data with the analytical results and found no irregularities.

Conclusion and Recommendations

Four significant zones within the Lode block were located from the rock and soil geochemical sampling. Significant propylitic and metasomatic alterations combined with favourable mineralization has been observed in this block with encouraging Cu and Au values. Further exploration over this block is encouraged; special attention should be placed on identification of propylitic, potassic and phyllic alterations, which may assist in vectoring towards stronger mineralization. The limited soil sampling completed over the Lode block also provided encouraging results. Samples with anomalous Au and Cu values were collected downslope from anomalous rock sample. Anomalous amounts of cobalt were also encountered within soils; further work is needed to identify the source and significance of this mineralization. Data from previously completed soil grids should be compiled to generate drill and trench targets over this block.

The Hotai block returned encouraging results from the rock and biogeochemical sampling where significant results were obtained in the northeast corner of the annular magnetic feature. Previous work by Quartz Mountain also identified strong soil and rock values which showed correlations with their IP survey over this zone. Potassic alteration common in porphyry's often generates magnetite, which may

be responsible for this annular magnetic high feature with a central magnetic low, a type of magnetic feature that is typically associated with porphyry copper deposits; exploration on this block should focus on this anomaly. Due to the thick till cover conventional soil sampling and prospecting is quite hampered; biogeochemical grid sampling may provide more significant results to assist in identifying relationships with the geophysical anomalies. Additionally, an airborne radiometric survey may provide useful data in identifying potassic alteration over this block.

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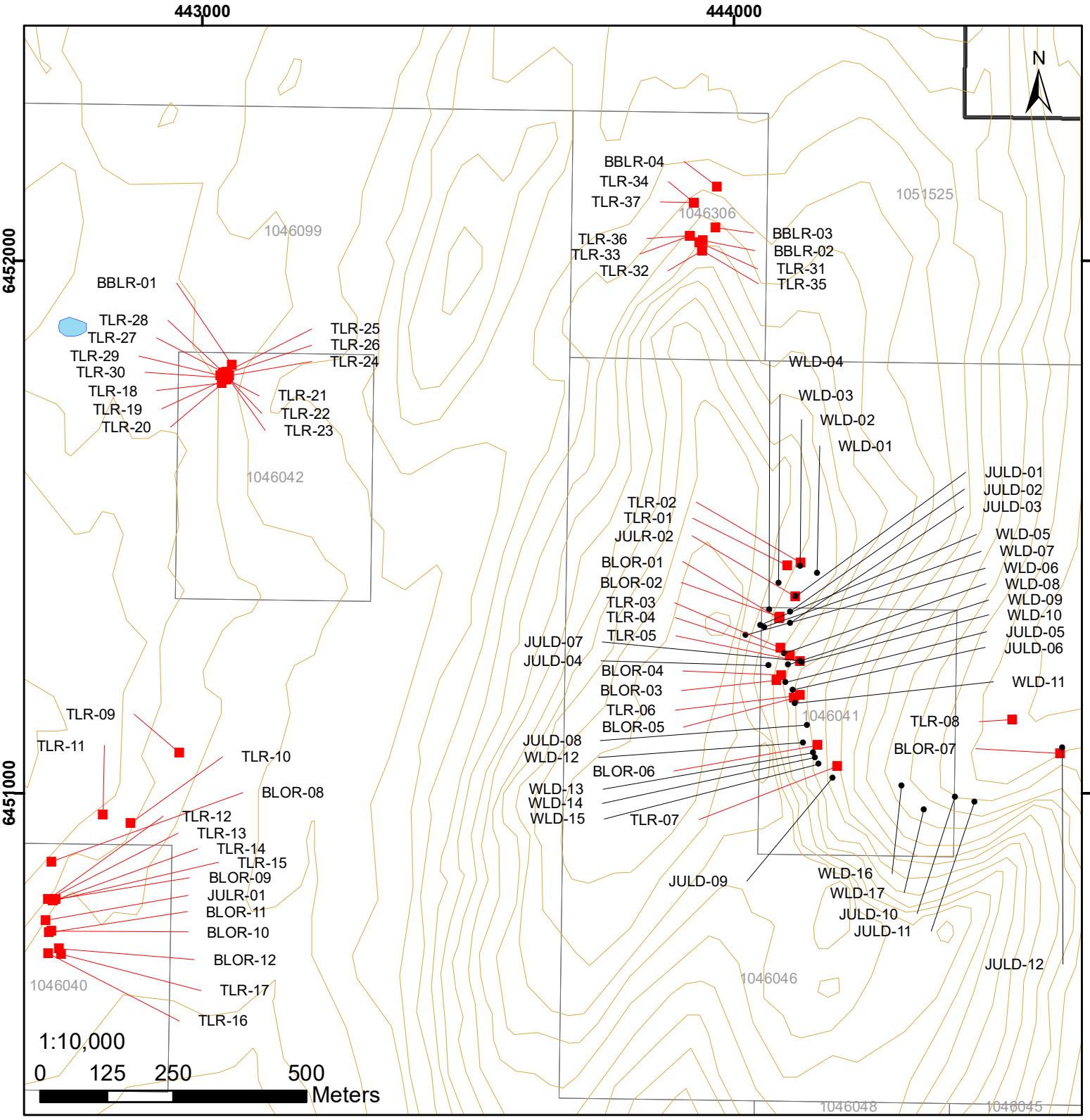

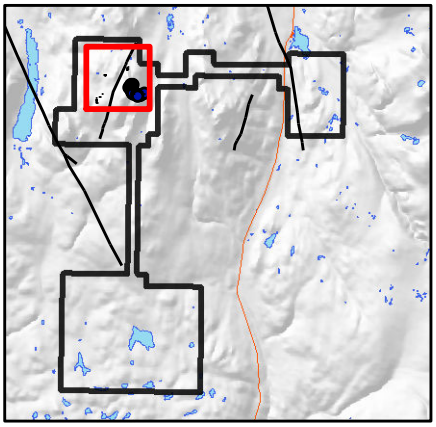

Soil Locations

Rock Locations

ClaimsKestrel

KESTREL GOLD INC

Dease Porphyry Project
Lode Block
Figure 5 - Rock and Soil Locations

Coordinate System: WGS 1984 UTM Zone 9N
Projection: Transverse Mercator
Datum: WGS 1984

442000 443000 444000

6444000 6443000 6442000 6441000

N

1046096 1046120 1046115 1046055 1046123 1046121 1046117 1046122 1046119 1046110 1046102

JHB-04 JHB-03 WHB-03 WHB-02 WHB-01 JHB-01 THR-01 BHOR-01 THR-02 JHB-05 WHB-04 WHB-05 JHB-02 BHOR-02 BHOR-03 WHB-06 WHB-07 THR-03 JHB-06 JHB-07 JHB-08 WHB-10 WHB-11 WHB-12 WHB-08 WHB-09 JHB-09 JHB-10 JHB-11 JHB-12 WHB-13 JHB-19 WHB-14 WHB-15 THR-04 BHOR-04 BHOR-07 BHOR-06 BHOR-05 THR-05 BHOR-08 THR-06 WHB-16 THR-08 Estimated Location of THR-12 WHB-23 WHB-22 WHB-21 THR-11 WHB-17 WHB-18 WHB-19 THR-10 THR-09 THR-07 JHB-13 JHB-18 JHB-14 JHB-15 JHB-16 JHB-17 JHB-22 JHB-23 WHB-25 WHB-24 WHB-20 JHB-20 JHB-21 PHOB-06 PHOB-05 PHOB-04 PHOB-07 PHOB-08 PHOB-03 THR-17 PHOB-09 PHOB-02 THR-18 PHOB-01 THR-16 THR-15 PHOB-10 RHTB-01 RHTB-02 RHTB-03 RHTB-04 RHTB-05 RHTB-06 RHTB-09 RHTB-08 RHTB-07 RHTB-10 RHTB-11 PHOB-11 KBHR-01 PHOB-12 PHOB-13 PHOB-14 RHTB-15 RHTB-16 KBHR-02 RHTB-17 RHTB-12 RHTB-13 RHTB-14 THR-19 PHOB-15 PHOB-16 PHOB-17 PHOB-18 PHOB-19 PHOB-20 PHOB-21 THR-20 THR-21 PHOB-22 RHTB-20 RHTB-18 RHTB-19 KBHR-04 KBHR-03 KBHR-05 KBHR-06 KBHR-07 THR-23 THR-22

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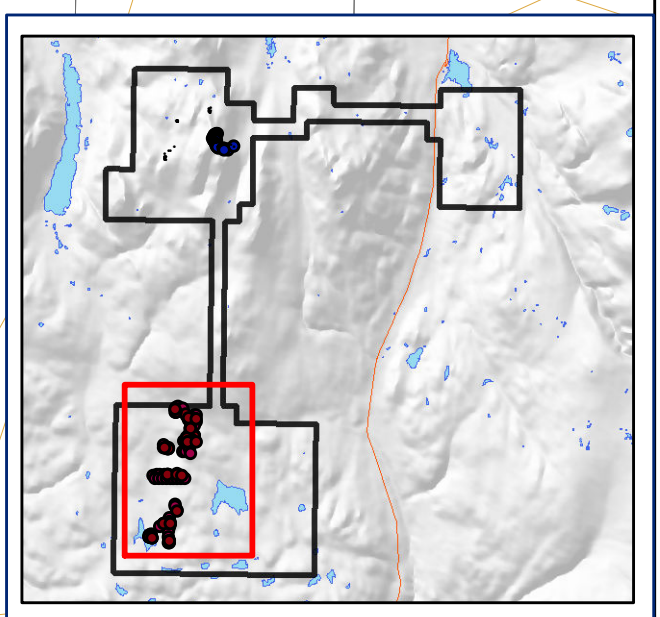


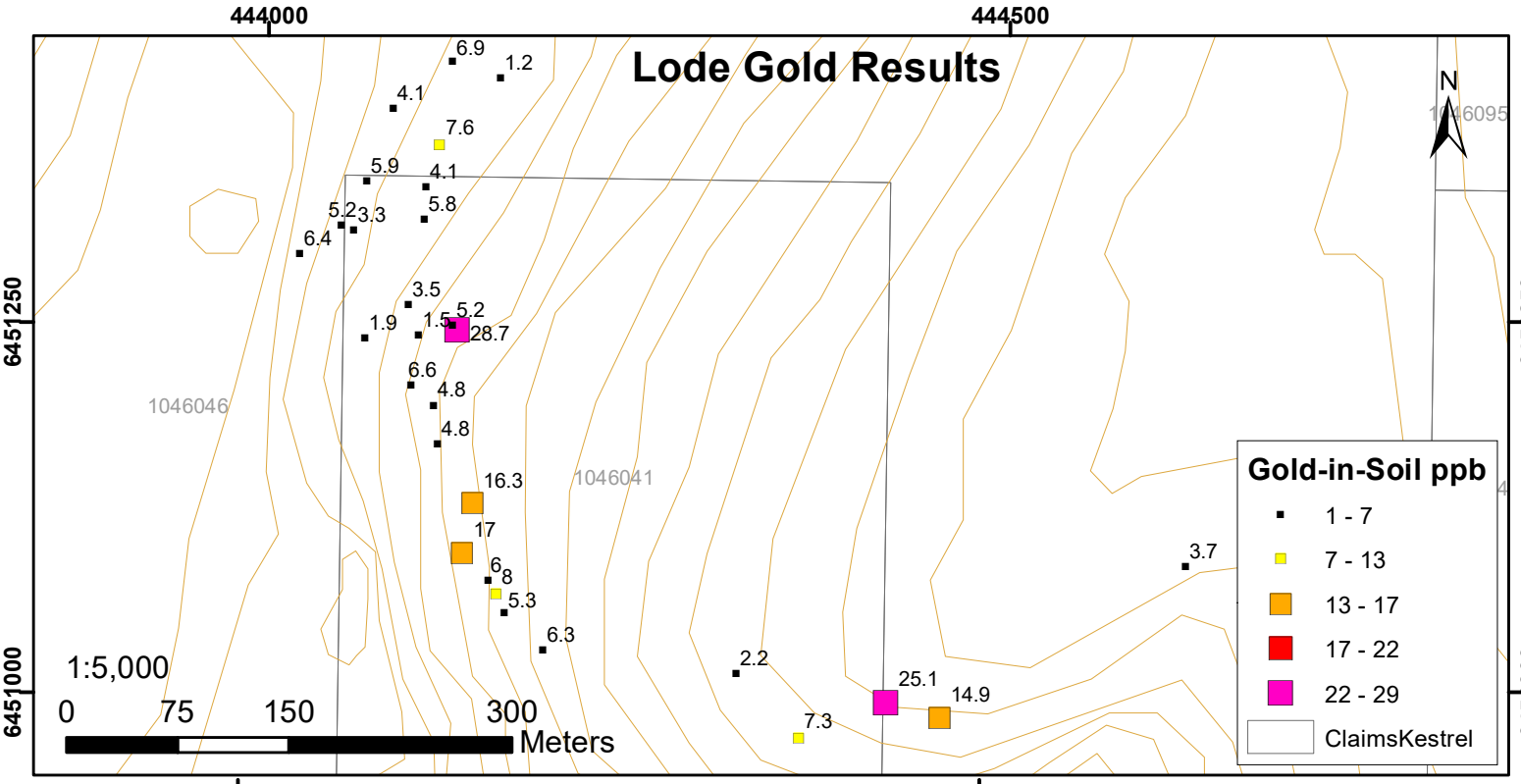
Rock Locations

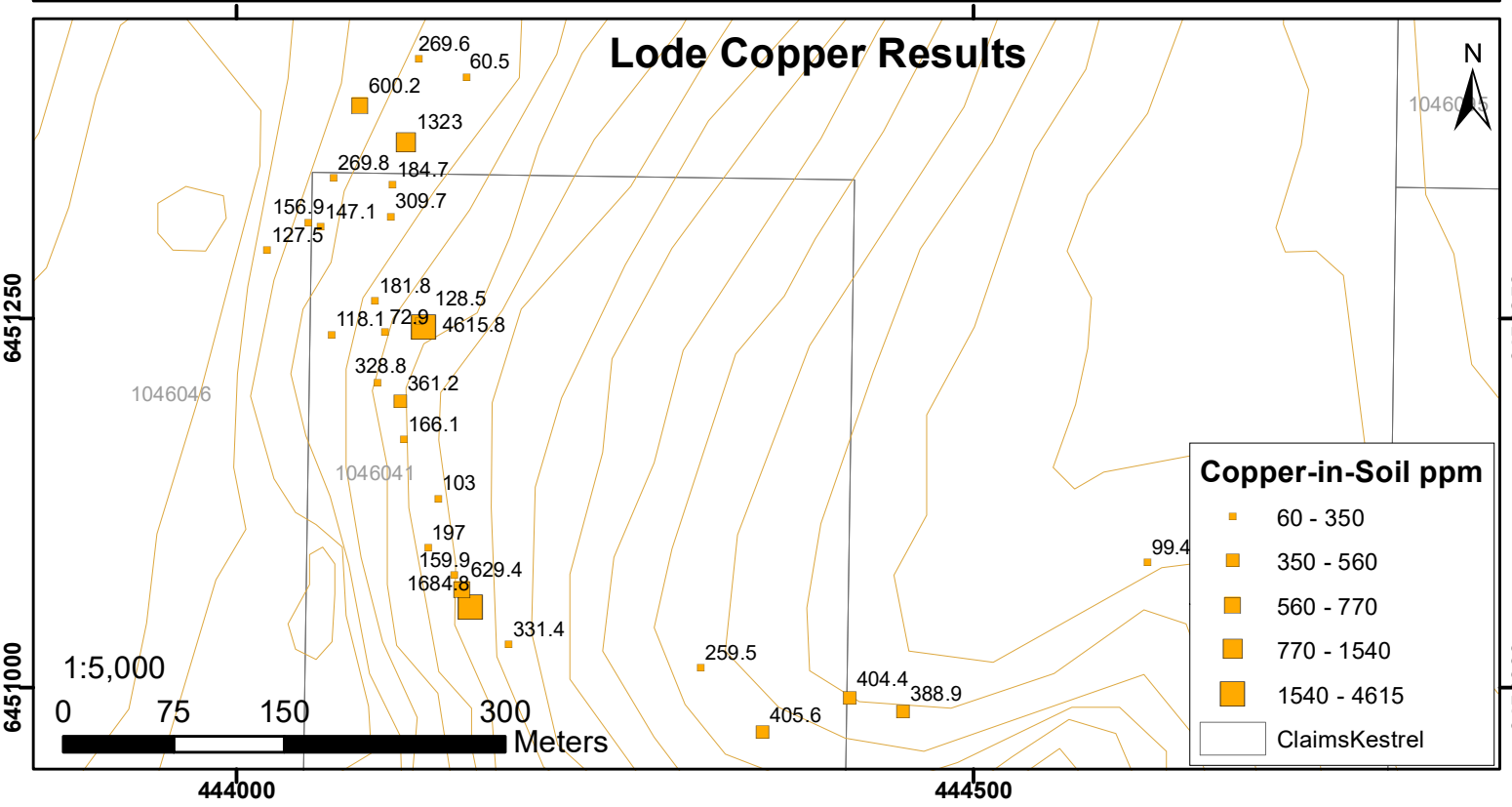
Biogeochemical Samples

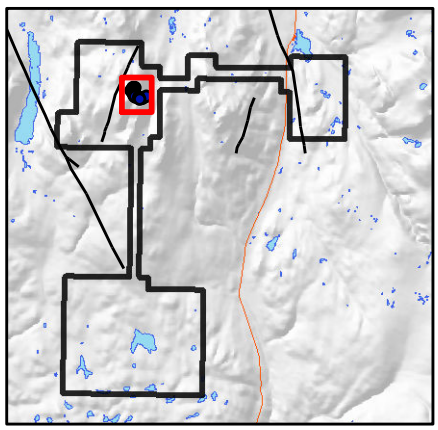
KESTREL GOLD INC

Dease Porphyry Project
Hotai Block
Figure 6
Rock and Biogeochemical Sample Locations

Coordinate System: WGS 1984 UTM Zone 9N
Projection: Transverse Mercator
Datum: WGS 1984



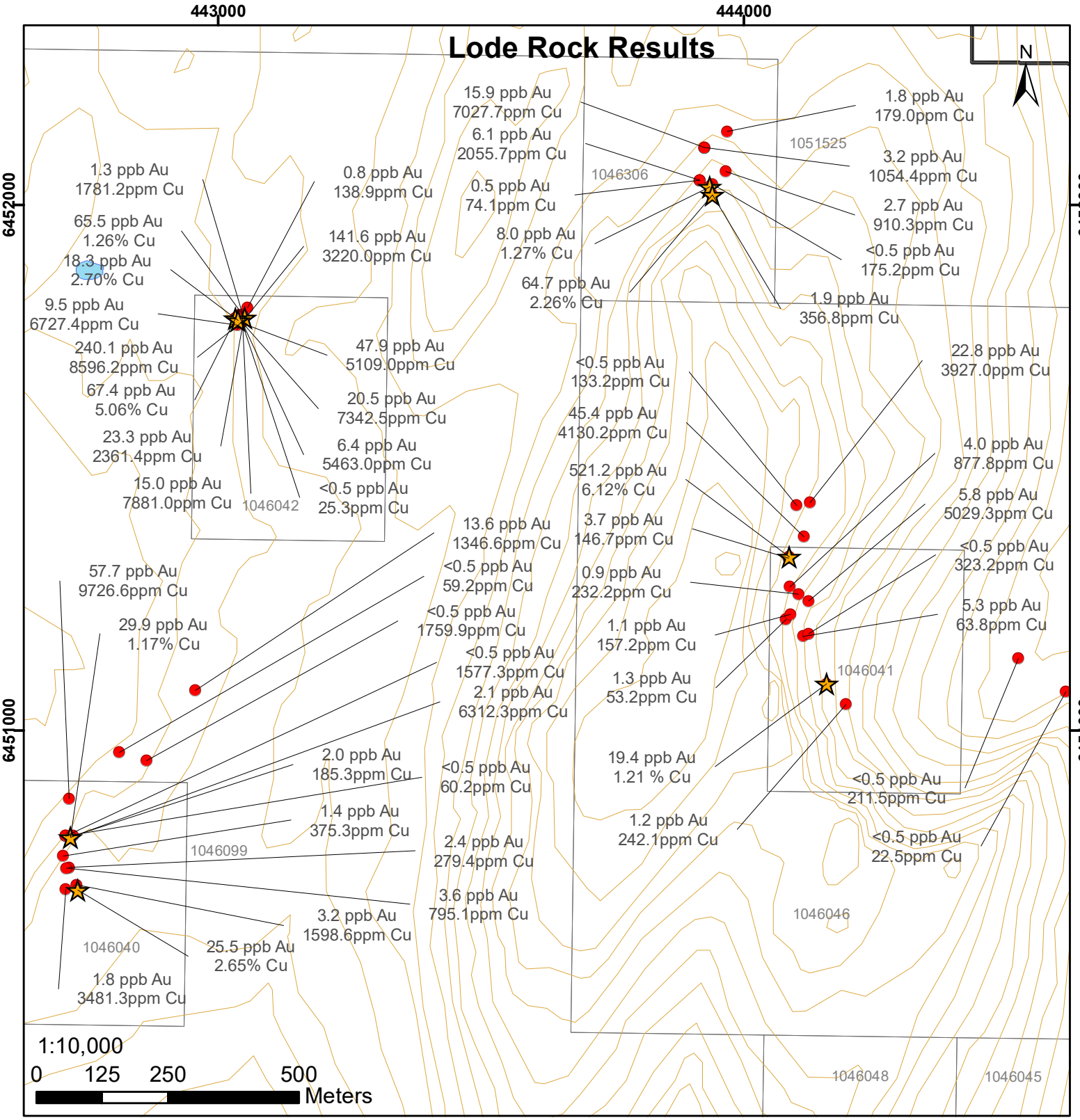


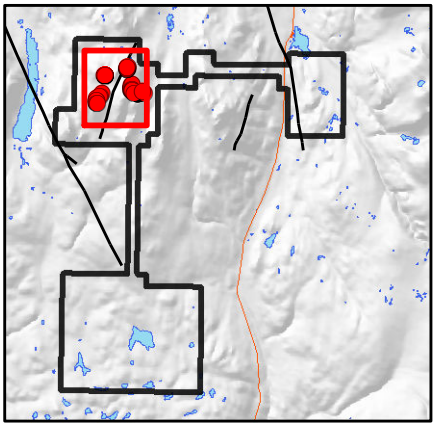


KESTREL GOLD INC

Dease Porphyry Project
Lode Block
Figure 7 - Gold and Copper-in-Soil

Coordinate System: WGS 1984 UTM Zone 9N
Projection: Transverse Mercator
Datum: WGS 1984





Rock Samples

ClaimsKestrel

Rocks greater than 1% Cu

KESTREL GOLD INC

Dease Porphyry Project
Lode Block
Figure 8 - Lode Rock Results

Coordinate System: WGS 1984 UTM Zone 9N
Projection: Transverse Mercator
Datum: WGS 1984

442000
443000
444000
6444000
6443000
6442000
6441000
N
1046096
1046120
1046115
1046055
1046123
1046121
1046117
1046122
1046119
1046110
1046102
THR-02
288.3 ppb Au
1098.3 ppm Cu
THR-01
<0.5 ppb Au
6.7 ppm Cu
BHOR-01
0.6 ppb Au
16.7 ppm Cu
BHOR-02
1.0 ppb Au
51.6 ppm Cu
BHOR-03
3.5 ppb Au
163 ppm Cu
THR-03
<0.5 ppb Au
2.6 ppm Cu
BHOR-08
<0.5 ppb Au
166.5 ppm Cu
THR-04
14.5 ppb Au
393.6 ppm Cu
BHOR-05
<0.5 ppb Au
152.5 ppm Cu
BHOR-04
2.3 ppb Au
155.2 ppm Cu
THR-05
1.9 ppb Au
58.2 ppm Cu
BHOR-07
2.5 ppb Au
142.8 ppm Cu
THR-12
<0.5 ppb Au
21.3 ppm Cu
THR-11
0.9 ppb Au
64.5 ppm Cu
THR-08
7.1 ppb Au
419.5 ppm Cu
BHOR-06
1.4 ppb Au
208.8 ppm Cu
THR-09
2.6 ppb Au
118.4 ppm Cu
THR-10
0.9 ppb Au
111.4 ppm Cu
THR-06
1.2 ppb Au
40.4 ppm Cu
THR-07
1.8 ppb Au
86.4 ppm Cu
THR-15
67.0 ppb Au
3171.8 ppm Cu
THR-16
<0.5 ppb Au
134.8 ppm Cu
THR-17
<0.5 ppb Au
151 ppm Cu
THR-18
1.7 ppb Au
331.5 ppm Cu
KBHR-01
2.4 ppb Au
454.3 ppm Cu
KBHR-03
<0.5 ppb Au
5.1 ppm Cu
THR-23
3.4 ppb Au
231.3 ppm Cu
KBHR-02
1.6 ppb Au
129.5 ppm Cu
KBHR-07
0.9 ppb Au
146.7 ppm Cu
KBHR-06
2.0 ppb Au
127.4 ppm Cu
THR-19
4.0 ppb Au
158.6 ppm Cu
KBHR-04
4.5 ppb Au
175.4 ppm Cu
THR-22
0.9 ppb Au
113.5 ppm Cu
KBHR-05
1.2 ppb Au
167.7 ppm Cu
THR-20
2.7 ppb Au
389.6 ppm Cu
THR-21
2.0 ppb Au
187.5 ppm Cu
1:10,000
0 125 250 500
Meters
XY2017_Kestrel_Hotai_Rock
ClaimsKestrel
KESTREL
GOLD INC
Dease Porphyry Project
Hotai Block
Figure 9
Hotai Rock Results
Coordinate System: WGS 1984 UTM Zone 9N
Projection: Transverse Mercator
Datum: WGS 1984

442000 443000 444000

6444000 6443000 6442000 6441000

N

1046096 1046120 1046115 1046055 1046121 1046117 1046122 1046119 1046110 1051526 1046102

1.3 1 2.5 2.9 3.2 2.6 4.9 1.8 5.4 8.2

0.5 2.2 15.5 1.1 5.44 1.8 2

1 2.8 4.3 1.7

2.2 1.2 1.6 1.1 6.8 3.7 0.7 1.9 195.9 2 1 1.8

0.5 2.2 0.5 26.1 5.5 1.7

1.3 1.2 5 1.9

1 3.9 1.8 8.7 0.9 9.1 2.8 14.7 3.3 18.1

2.8 14.3 3.6 2.2 24.6 17.6 7.7 4.3 2.2

10.2 4.4 9.1

3.5 27.4 2.4 5.1 2.9 3.2 3.6 9.8 0.6 3.6

5.1

3.7 1.9 8.5

5.4 4.2 1.3 1.9

1:10,000
0 125 250 500 Meters

Biogeochemical

Au ppb

- 1 - 5
- 5 - 10
- 10 - 18
- 18 - 46
- 46 - 196
- ClaimsKestrel

KESTREL GOLD INC

Dease Porphyry Project
Hotai Block
Figure 10
Biogeochemical
Gold Values ppb

Coordinate System: WGS 1984 UTM Zone 9N
Projection: Transverse Mercator
Datum: WGS 1984

442000 443000 444000

6444000 6443000 6442000 6441000

N

1046096 1046120 1046115 1046055 1046121 1046123 1046117 1046122 1046119 1046110 1051526

93 94.6 96.8 95.3 80.1 89.6 90.9 90.6 74.6 85.2

95.3 97.5 80.7 92.1 83.5 87 89.6 87.2

97.7 71.8 99.7 101.6 114.9 83.7 86.7 106.5 96 107.4 95.4 80.9 81.4 103.6 95.9 75.3 97.5 77.1 57.9 100.2

114.4 98.9 70 94.9 98.9 104.3

108.8 85.7 80.4 74.5

101.9 87 74.7 93.6 78.3 78.5 96.4 93.2 82.9 124.8

84.4 73.5 72.9 92.3 108.3 86.1 108.5 93.4 116

67.6 80.2 74.3

83.9 66.3 99.3 95.5 97.7 77.7 110.2 74.5 112.3 86.1 94.7 88.6 103.5

78.2 73.3

Biogeochemical

Cu ppm

- 57 - 97
- 97 - 107
- 107 - 111
- 111 - 117
- 117 - 125
- ClaimsKestrel

1:10,000

0 125 250 500 Meters

TMI from: B.C. M.E.M.P.R
Dease Lake and Iskut (GBCR 2012-02):

KESTREL GOLD INC

Dease Porphyry Project
Hotai Block
Figure 11
Biogeochemical
Copper Values ppm
TMI background

Coordinate System: WGS 1984 UTM Zone 9N
Projection: Transverse Mercator
Datum: WGS 1984

Certificate of Qualifications

I, Marty Huber, having my place of residence at 16 Flax Mill Dr. Conestogo in the Province of Ontario, do hereby certify that:

1. I obtained a Bachelor of Science Degree in Geology from Acadia University in May 2011, I have completed a Masters in Mineral Exploration from Laurentian University and will receive my degree in May 2018, I have practiced geology in British Columbia, Yukon, Quebec, and New Brunswick continuously since 2011 and I am a Member in good standing with the Association of Professional Geoscientists of Nova Scotia (APGNS #232) and I am a "qualified person" as defined in Section 1.2 in and for the purposes of National Instrument 43-101;

2. I have not visited the Dease Lake Project;

3. I wrote this technical report entitled "Assessment Report on 2017 Surface work On the Dease Porphyry Project, South Block, Liard Mining Division, Northwestern British Columbia" based on my professional experience, a review of relevant reports and maps made available to me from government and corporate sources;

4. I am not aware of any material fact or material change with respect to the subject matter of the report that is not disclosed in the report which, by its omission, makes the report misleading;

5. I hold no direct interest in the Dease Lake Project as a result of my prior involvement with the property; and

6. I have read, and this report has not been prepared for the purposes, nor in full compliance with, National Instrument 43-101 and according to Form 43-101F1.

Respectfully submitted this 31st day of January 2018,

Marty Huber, M.Sc. (Can), P. Geo.

THE ASSOCIATION OF PROFESSIONAL GEOSCIENTISTS OF NOVA SCOTIA est 1997 0232

Signature:

Date: JAN 31, 2018

Statement of Qualifications

I, Bernie Kreft, directed and participated in the exploration work described herein.

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

This report is based on fieldwork directed or conducted by Bernie Kreft, and includes information from various publicly available assessment reports.

This report is based on fieldwork completed July 21st to July 30th of the 2017 field season.

This report is based on fieldwork completed on the Dease Porphyry Project, covering the Hotai and Lode showings.

This report was completed by Marty Huber.

Respectfully Submitted,

_____

Bernie Kreft

Appendix A – Statement of Costs

Wages Jarret Kreft (4.5 field days x $350/day) July 21st to July 30th 2017	$1,575.00
Wages Joel Wynnyk (4.5 field days x $350/day) July 21st to July 30th 2017	$1,575.00
Wages Bernie Kreft (4.5 field days x $450/day) July 21st to July 30th 2017	$2,025.00
Wages Justin Kreft (4.5 field days x $350/day) July 21st to July 30th 2017	$1,575.00
Bureau Veritas (92 rocks, 29 soils, 91 biogeochem)	$4,650.59
Report writing, data research and compilation, map making	$2,500.00
Food, Field Supplies, Camp (4 people x 4.5 days x $150/day/person)	$2,700.00
Truck Travel 336 kilometres x $0.75/km	$252.00
Helicopter Lakelse Air and Tundra Helicopters	$6,746.37
Sample Shipping Greyhound	$178.51
Sub Total	$23,777.47
5% Management Fee	$1,188.87
Total	$24,966.34

Appendix B – Sample Locations and Rock Descriptions

Appendix B - Rock Sample Descriptions

Block	Sample ID	Lithology	Modifier	Alteration 1	Alt 2	Alt 3	Mineral 1 (%)	Min 2 (%)	Min 3 (%)	Comments
Hotai	BHOR 01	Syenite	Propylitic alteration	Ch 2-3	Ep 1	K 1?				poss primary K-spar, intermediate intrusive
Hotai	BHOR 02	Syenite	Sub-cm scale qz veins	K 1-2	Ch 1-2					Resembles diorite, syenite if primary K-spar
Hotai	BHOR 03	Syenite	Weakly foliated	Ch 1			<1% chalco			Drusy qtz veining; minor mm-scale hematite veining
Hotai	BHOR 04	Andesite	diss sulphides	Si 2			1% chalco	tr Py		Augite, Fspar porphyritic, amygdaloidal qurtz
Hotai	BHOR 05	Diorite	Med - fine grained				tr chalco	2-3% diss Py		hbld porphyritic, includes veined pyrite
Hotai	BHOR 06	Andesite?	Hble-Chl skarn	Csil 3	Ch 3	L 2	8-10% Py	tr Cpy?		diss Py
Hotai	BHOR 07	Diorite	Mod. Fractured	Ch 1			3-4% Py	<1% Cpy		diss + fracture controlled pyrite
Hotai	BHOR 08	Andesite	Hble-Chl skarn	Ch 2-3		L 2	7-8% Py			Net textured to diss Py, green
Hotai	THR 01	Syenite?	Green	S 1-2	Ch 2					Patchy strong chl, silica alteration
Hotai	THR 02	Syenite	Mod. Fractured	Ank 2			<1% Cpy	1% Py		Tan coloured
Hotai	THR 03	qtz-syenite	Med grained	Ep 2-3						Epidote along fractures, green-pink
Hotai	THR 04	Hornblendite	Skarn	Ch 1						Massive coarse grained hbld, locally drusy
Hotai	THR 05	hbld granite	Grey							Weak metamorphic fabric, 25% hble grains
Hotai	THR 06	Hornblendite	Brecciated	Hble 3?		L 1				qtz-f-spar matrix
Hotai	THR 07	Diorite	Patchy "felsic" alteration	Sil 1-2	K 1					Minor epidote veining
Hotai	THR 08	Basalt-andesite	Green-black	Csil 2	Ch 1-2	L 2	7-8% Py	<1% Cpy		
Hotai	THR 09	Andesite?	hbld skarn			L 2-3				Black
Hotai	THR 10	Diorite	Outcrop	Ch 1-2			7-8% Py	tr Cpy?	tr Malachite	Possibly syenite: Includes veined pyrite
Hotai	THR 11	Diorite	Medium grained			L 1	5-6% Py			diss pyrite, grey
Hotai	THR 12	Diorite	Medium grained			L1	4-5% Py	tr Cpy?		
Hotai	THR 15	Andesite	Augite porphyritic	S 1-2			3-4% Cpy			Clotty Cpy
Hotai	THR 16	Diorite	Weakly foliated							Medium grained, grey
Hotai	THR 17	Diorite	hbld-rich	Ep 2-3	K 2-3	Ch 1				Green-black
Hotai	THR 18	Diorite	hbld-rich	Ep 2-3	Ch 2	K 2	tr Py			Green-black
Hotai	THR 19	hbld diorite	Malachite along fractures	K 1-2			<1% Malachite			
Hotai	THR 20	hbld diorite	Malachite along fractures	K 1-2			Malachite			
Hotai	THR 21	hbld diorite	Weak-mod foliation	K 1-2	Ch 1					
Hotai	THR 22	hbld diorite	green-grey	Si 2	Ep 1-2					Silica veining
Hotai	THR 23	Andesite?	Augite porphyritic	Ch 1						Rare feldspathic (?) xenoliths, green-black
Hotai	THR 24									
Hotai	KBHR 01	hbld diorite	Megacrystic fspars				tr Cpy			Clotty cpy
Hotai	KBHR 02	hbld diorite	Weakly foliated	Ch 1	K 1					Qz veins, mm-scale, with K-alt.
Hotai	KBHR 03	Diorite	Brecciated?	Ep 3	K 2-3					Green
Hotai	KBHR 04	Andesite?	mm-scale qz veins	Csil 1-2	S 2	L 1	8-10% Pyrite			diss - net textured pyrite

Appendix B - Rock Sample Descriptions

Block	Sample ID	Lithology	Modifier	Alteration 1	Alt 2	Alt 3	Mineral 1 (%)	Min 2 (%)	Min 3 (%)	Comments
Hotai	KBHR 05	Diorite	med-coarse grained	K 2-3						K-alt of f-spars, mottled pink/ black
Hotai	KBHR 06	Diorite	Fractured	Ep 1-2	K 2					Qz-fspar fractures, mm-scale, pink
Hotai	KBHR 07	hbld diorite	Includes fspar vein				tr Bornite			Locally clotty bornite
Lode	BBLR 01	Diorite?	Green-pink	K 2-3	Ep 3					10% clotty hematite
Lode	BBLR 02	Diorite?	Skarn	Csil 2	Ep 2-3	K 1-2	<1% Cpy			Mod. Wollastonite alt, chalco possibly with sphalerite
Lode	BBLR 03	Diorite?	Skarn	Ep 3	K 2-3		< 1% Cpy			Green-pink; diss to patchy Cpy
Lode	BBLR 04									
Lode	TLR 01	Diorite	green	Ep 3	K 2-3		tr Py			
Lode	TLR 02	Andesite	skarn	Ch 2-3			tr Cpy	tr Bornite	4-5% Hem	Mod azurite
Lode	TLR 03	Andesite	Comp grab across 10m	Ch 1-2			3-4% Cpy	4-5% Hem		Skarn, green
Lode	TLR 04	Andesite	Dacite?	S 1-2	Gar 1	L 1-2	tr Cpy	tr Py		
Lode	TLR 05	Andesite	Epidote-diopside skarn		Ep 3		2% Cpy	<1% Bor	mod malachite	Green
Lode	TLR 06	Andesite	Skarn	S 1-2	Csil 2	L 2	tr Cpy	tr Bornite		Green - grey
Lode	TLR 07	Andesite	Silicic bands			L 2-3	5-6% Py			Banded pyrite
Lode	TLR 08	Diorite?	Skarn	Ep 3			tr Cpy			Green; fracture-filling qtz
Lode	TLR 09	Diorite	Fine grained	Ch 1			2% Cpy			5-7 mm wide feldspathic vein with clotty Cpy
Lode	TLR 10	Syenite	Coarse grained				tr Cpy	tr mal		Pink; speckled malachite, some sulphide boxwork
Lode	TLR 11	Andesite	poss dacite	S 2			3-4% Py	tr Bor		Silicified andesite, buff-blue
Lode	TLR 12	Syenite	Pink/ green	Ep 3	K 2		10% hematite			Replacement-style hematite, clotty epidote
Lode	TLR 13	Andesite	amygdaloidal				Tr Cpy	weak Malachite		Fracture-filling malachite
Lode	TLR 14	Andesite	f-spar porphyry?				Tr Cpy		Malachite	Green
Lode	TLR 15	Diorite?	poss brecciated vein	S 2-3		L 2	2-3% Cpy	Mod Malachite		Angular fsargrains in f. gr. Groundmass, green-tan
Lode	TLR 16	Andesite	Porphyritic				<1% Cpy	weak malachite		Black
Lode	TLR 17	Diorite?	Coarse calcite veinlet				5% Cpy	1% Bor	Malachite	Clotty sulphides, malachitic selvages
Lode	TLR 18									
Lode	TLR 19	Syenite	med-coarse grained				<1% Cpy			Includes platy black mineral (hematite?); salmon pink
Lode	TLR 20	Andesite	Fspar porphyritic	K 1			2% Cpy		Mod hematite	amygdaloidal? diss cpy
Lode	TLR 21	Dacite - andesite?	Strongly fractured	S 2-3		L 2-3	2% Cpy	Mod Azurite		Includes cm-scale drusy Qz Vein with cpy
Lode	TLR 22	qtz Vein	Somewhat drusy			L 2	< 1% Cpy	< 1% Bor		Grey-white
Lode	TLR 23	Syenite	med grained				tr malachite			Includes massive platy hematite vein
Lode	TLR 24		Brecciated				15-20% Py	5% Cpy		Matrix-supported Py, fine silica stringers; lithology unknown
Lode	TLR 25	Syenite?	Brecciated	Hem 2		L 2	2% Cpy			"Andesitic" veins with syenite fragments

Appendix B - Rock Sample Descriptions

Block	Sample ID	Lithology	Modifier	Alteration 1	Alt 2	Alt 3	Mineral 1 (%)	Min 2 (%)	Min 3 (%)	Comments
Lode	TLR 26	Diorite?	Fine grained	Mang 2-3		L 1	Weak mal			Grey-black
Lode	TLR 27	Andesite	Skarn	S 2		L 2	tr Cpy	Mod Azurite	Mod Malachite	Brecciated, includes drusy qtz veins, grey-black
Lode	TLR 28	Dacite	skarn	Ep 3	S 2	L 2	6-7% Py			poss silicified andesite
Lode	TLR 29	Syenite?	Blue	S 2			8% Chalcocite	Strong Az		Clotty sulphides
Lode	TLR 30	Syenite?	Qz veining	S 2			1-2% Chcite	2-3% Cpy		Clotty Cpy, itself brecciated; sugary qtz
Lode	TLR 31	Syenite?	Includes drusy Qz	S 2-3			weak Azurite	weak Malachite		Clotty Azurite, malachite
Lode	TLR 32	Syenite?	Qz veining				3% Cpy	2% Bor	Strong Azurite	diss + vuggy sulphides
Lode	TLR 33	Syenite	Fspar porphyritic	Ank 1		L 2				Fine-med grained, orange-brown
Lode	TLR 34	Andesite	mauve-brown	S 1-2	Csil 2		4-5% Cpy	2% Py		
Lode	TLR 35	Andesite	brecciated?	Ep 3	Csil 2		tr Cpy			Green; Epidote in clasts
Lode	TLR 36	Andesite	black			L2	tr malachite			
Lode	TLR 37	Aplite dyke?	mm-scale Qz Veins				tr Cpy			tan-coloured
Lode	JULR 01	Andesite?	Skarn	K 2-3	Ch 1					Vuggy, poss late introduced fluids, c. grained hematite
Lode	JULR 02	Andesite	skarn			L 2	1-2% Cpy	Mod Malachite		Green
Lode	BLOR 1	Andesite	Comp grab across 4m	Ep 2-3		L 1				Sample covers andesite and poss syenite
Lode	BLOR 2	Qz Vein	30 cm chip			L 3	4-5% Cpy			Sheared Qz vein obliquely cutting main skarn
Lode	BLOR 3	Andesite	green-grey	S 2	Ep 2-3		tr Py			fine grained
Lode	BLOR 4	Andesite?	poss diorite	S 2-3		L 2	tr Cpy	tr Bor		Light grey
Lode	BLOR 5	Andesite	Comp grab across 10m	S 2			2-3% Py			Hornfelsed sediments? diss f. gr pyrite
Lode	BLOR 6	Andesite?	Epidote skarn	Ep 3			5-6% Cpy			Vuggy, green
Lode	BLOR 7	Andesite	K-spar porphyritic	Ep 3			6-7% hematite			20% f-spar porphyries, green/ pink
Lode	BLOR 8	Andesite	skarn				4-5% Cpy	2-3% Py	Mod Az, Mal	Replacement-style sulphides
Lode	BLOR 9	Andesite?	Epidote/ Hematite amygdules	K 3	Ep 2		tr Cpy			Epidote surrounds hematite core in amygdules; clotty cpy
Lode	BLOR 10	Andesite	grey	S 1-2			< 1% Cpy	< 1% Hem		Replacement-style hematite and cpy
Lode	BLOR 11	Andesite	amygdaloidal	Hem 1	Ep 1		<1% Cpy			f-spar porphyritic, diss cpy
Lode	BLOR 12	Andesite	amygdaloidal	Ep 1-2	K 1-2		2-3% Cpy	Mod Malachite		f-spar porphyritic, replacement-style cpy and epidote

Appendix B - Sample Loctaions

Name	Project	Type	Easting	Northing
Hotai Biogeochemical Locations				
JHB-01	Hotai	Bio	443009	6443752
JHB-02	Hotai	Bio	443064	6443804
JHB-03	Hotai	Bio	443019	6443833
JHB-04	Hotai	Bio	443026	6443868
JHB-05	Hotai	Bio	443066	6443887
JHB-06	Hotai	Bio	443313	6443644
JHB-07	Hotai	Bio	443357	6443594
JHB-08	Hotai	Bio	443373	6443525
JHB-09	Hotai	Bio	443572	6443474
JHB-10	Hotai	Bio	443522	6443363
JHB-11	Hotai	Bio	443535	6443097
JHB-12	Hotai	Bio	443525	6443067
JHB-13	Hotai	Bio	443502	6443009
JHB-14	Hotai	Bio	443468	6442964
JHB-15	Hotai	Bio	443443	6442973
JHB-16	Hotai	Bio	443426	6442994
JHB-17	Hotai	Bio	443421	6442948
JHB-18	Hotai	Bio	443452	6442980
JHB-19	Hotai	Bio	443452	6443027
JHB-20	Hotai	Bio	443203	6442665
JHB-21	Hotai	Bio	443289	6442660
JHB-22	Hotai	Bio	443384	6442721
JHB-23	Hotai	Bio	443408	6442591
PHOB-01	Hotai	Bio	442396	6442003
PHOB-02	Hotai	Bio	442498	6442005
PHOB-03	Hotai	Bio	442581	6442010
PHOB-04	Hotai	Bio	442706	6442012
PHOB-05	Hotai	Bio	442796	6442019
PHOB-06	Hotai	Bio	442806	6442009
PHOB-07	Hotai	Bio	442934	6441992
PHOB-08	Hotai	Bio	443057	6442031
PHOB-09	Hotai	Bio	443064	6442021
PHOB-10	Hotai	Bio	443165	6441998
PHOB-11	Hotai	Bio	443047	6441046
PHOB-12	Hotai	Bio	442837	6440781
PHOB-13	Hotai	Bio	442842	6440684
PHOB-14	Hotai	Bio	442860	6440645
PHOB-15	Hotai	Bio	442838	6440556
PHOB-16	Hotai	Bio	442818	6440445
PHOB-17	Hotai	Bio	442816	6440296
PHOB-18	Hotai	Bio	442835	6440174
PHOB-19	Hotai	Bio	442833	6440187
PHOB-20	Hotai	Bio	442820	6440146
PHOB-21	Hotai	Bio	442844	6440145
PHOB-22	Hotai	Bio	442328	6440367

Appendix B - Sample Loctaions

Name	Project	Type	Easting	Northing
PHOB-23	Hotai	Bio QA/QC split from JHB-12		
Hotai Biogeochemical Locations				
RHTB-01	Hotai	Bio	442449	6441905
RHTB-02	Hotai	Bio	442551	6441899
RHTB-03	Hotai	Bio	442651	6441899
RHTB-04	Hotai	Bio	442751	6441902
RHTB-05	Hotai	Bio	442853	6441900
RHTB-06	Hotai	Bio	442952	6441903
RHTB-07	Hotai	Bio	443051	6441899
RHTB-08	Hotai	Bio	443155	6441901
RHTB-09	Hotai	Bio	443251	6441899
RHTB-10	Hotai	Bio	442999	6441201
RHTB-11	Hotai	Bio	442992	6441140
RHTB-12	Hotai	Bio	442849	6440818
RHTB-13	Hotai	Bio	442841	6440728
RHTB-14	Hotai	Bio	442864	6440690
RHTB-15	Hotai	Bio	442830	6440654
RHTB-16	Hotai	Bio	442689	6440678
RHTB-17	Hotai	Bio	442582	6440580
RHTB-18	Hotai	Bio	442340	6440358
RHTB-19	Hotai	Bio	442302	6440343
RHTB-20	Hotai	Bio	442272	6440353
WHB-01	Hotai	Bio	443011	6443804
WHB-02	Hotai	Bio	443047	6443825
WHB-03	Hotai	Bio	443007	6443813
WHB-04	Hotai	Bio	443194	6443839
WHB-05	Hotai	Bio	443203	6443837
WHB-06	Hotai	Bio	443523	6443660
WHB-07	Hotai	Bio	443570	6443656
WHB-08	Hotai	Bio	443559	6443557
WHB-09	Hotai	Bio	443558	6443550
WHB-10	Hotai	Bio	443411	6443310
WHB-11	Hotai	Bio	443408	6443277
WHB-12	Hotai	Bio	443425	6443280
WHB-13	Hotai	Bio	443382	6443147
WHB-14	Hotai	Bio	443323	6443038
WHB-15	Hotai	Bio	443306	6443014
WHB-16	Hotai	Bio	443236	6442934
WHB-17	Hotai	Bio	443308	6442930
WHB-18	Hotai	Bio	443333	6442933
WHB-19	Hotai	Bio	443363	6442921
WHB-20	Hotai	Bio	442792	6442737
WHB-21	Hotai	Bio	442703	6442758
WHB-22	Hotai	Bio	442684	6442748
WHB-23	Hotai	Bio	442685	6442826
WHB-24	Hotai	Bio	442813	6442749

Appendix B - Sample Loctaions

Name	Project	Type	Easting	Northing
WHB-25	Hotai	Bio	442775	6442743
Hotai Rock Locations				
BHOR-01	Hotai	Rock	443011	6443749
BHOR-02	Hotai	Rock	443296	6443698
BHOR-03	Hotai	Rock	443358	6443591
BHOR-04	Hotai	Rock	443514	6443082
BHOR-05	Hotai	Rock	443438	6442969
BHOR-06	Hotai	Rock	443436	6442976
BHOR-07	Hotai	Rock	443436	6442976
BHOR-08	Hotai	Rock	443440	6442980
KBHR-01	Hotai	Rock	443048	6441020
KBHR-02	Hotai	Rock	442676	6440674
KBHR-03	Hotai	Rock	442289	6440303
KBHR-04	Hotai	Rock	442293	6440308
KBHR-05	Hotai	Rock	442278	6440293
KBHR-06	Hotai	Rock	442297	6440300
KBHR-07	Hotai	Rock	442286	6440302
THR-01	Hotai	Rock	443010	6443750
THR-02	Hotai	Rock	443001	6443810
THR-03	Hotai	Rock	443572	6443558
THR-04	Hotai	Rock	443426	6443278
THR-05	Hotai	Rock	443307	6443022
THR-06	Hotai	Rock	443343	6442913
THR-07	Hotai	Rock	443352	6442909
THR-08	Hotai	Rock	443581	6442921
THR-09	Hotai	Rock	442800	6442738
THR-10	Hotai	Rock	442800	6442738
THR-11	Hotai	Rock	442706	6442748
THR-15	Hotai	Rock	442796	6442009
THR-16	Hotai	Rock	442796	6442009
THR-17	Hotai	Rock	443057	6442025
THR-18	Hotai	Rock	443173	6441991
THR-19	Hotai	Rock	442864	6440673
THR-20	Hotai	Rock	442838	6440178
THR-21	Hotai	Rock	442838	6440178
THR-22	Hotai	Rock	442365	6440273
THR-23	Hotai	Rock	442363	6440262
THR-24	Hotai	Rock QA/QC Split from BLOR-01		

Appendix B - Sample Loctaions

Name	Project	Type	Easting	Northing
Lode Rock Locations				
BBLR-01	Lode	Rock	443056	6451805
BBLR-02	Lode	Rock	443941	6452039
BBLR-03	Lode	Rock	443966	6452063
BBLR-04	Lode	Rock	443968	6452140
BLOR-01	Lode	Rock	444085	6451328
BLOR-02	Lode	Rock	444087	6451331
BLOR-03	Lode	Rock	444080	6451211
BLOR-04	Lode	Rock	444089	6451221
BLOR-05	Lode	Rock	444113	6451179
BLOR-06	Lode	Rock	444158	6451089
BLOR-07	Lode	Rock	444613	6451074
BLOR-08	Lode	Rock	442717	6450871
BLOR-09	Lode	Rock	442725	6450800
BLOR-10	Lode	Rock	442717	6450740
BLOR-11	Lode	Rock	442712	6450738
BLOR-12	Lode	Rock	442731	6450707
JULR-01	Lode	Rock	442706	6450761
JULR-02	Lode	Rock	444115	6451369
TLR-01	Lode	Rock	444100	6451428
TLR-02	Lode	Rock	444126	6451433
TLR-03	Lode	Rock	444088	6451273
TLR-04	Lode	Rock	444105	6451259
TLR-05	Lode	Rock	444124	6451247
TLR-06	Lode	Rock	444124	6451184
TLR-07	Lode	Rock	444194	6451050
TLR-08	Lode	Rock	444523	6451138
TLR-09	Lode	Rock	442957	6451076
TLR-10	Lode	Rock	442865	6450943
TLR-11	Lode	Rock	442813	6450958
TLR-12	Lode	Rock	442711	6450800
TLR-13	Lode	Rock	442711	6450800
TLR-14	Lode	Rock	442720	6450797
TLR-15	Lode	Rock	442720	6450797
TLR-16	Lode	Rock	442711	6450698
TLR-17	Lode	Rock	442734	6450697
TLR-18	Lode	Rock	443037	6451771
TLR-19	Lode	Rock	443042	6451777
TLR-20	Lode	Rock	443046	6451777
TLR-21	Lode	Rock	443046	6451778
TLR-22	Lode	Rock	443049	6451780
TLR-23	Lode	Rock	443049	6451780
TLR-24	Lode	Rock	443051	6451785
TLR-25	Lode	Rock	443046	6451792
TLR-26	Lode	Rock	443048	6451790

Appendix B - Sample Loctaions

Name	Project	Type	Easting	Northing
TLR-27	Lode	Rock	443040	6451791
Lode Rock Locations				
TLR-28	Lode	Rock	443041	6451790
TLR-29	Lode	Rock	443034	6451784
TLR-30	Lode	Rock	443039	6451780
TLR-31	Lode	Rock	443935	6452035
TLR-32	Lode	Rock	443940	6452019
TLR-33	Lode	Rock	443917	6452047
TLR-34	Lode	Rock	443925	6452109
TLR-35	Lode	Rock	443940	6452019
TLR-36	Lode	Rock	443917	6452047
TLR-37	Lode	Rock	443925	6452109
Lode Soil Locations				
JULD-01	Lode	Soil	444115	6451369
JULD-02	Lode	Soil	444106	6451341
JULD-03	Lode	Soil	444105	6451319
JULD-04	Lode	Soil	444065	6451239
JULD-05	Lode	Soil	444096	6451207
JULD-06	Lode	Soil	444111	6451194
JULD-07	Lode	Soil	444124	6451248
JULD-08	Lode	Soil	444137	6451128
JULD-09	Lode	Soil	444185	6451029
JULD-10	Lode	Soil	444416	6450993
JULD-11	Lode	Soil	444452	6450983
JULD-12	Lode	Soil	444618	6451085
WLD-01	Lode	Soil	444156	6451414
WLD-02	Lode	Soil	444124	6451426
WLD-03	Lode	Soil	444084	6451394
WLD-04	Lode	Soil	444066	6451345
WLD-05	Lode	Soil	444049	6451315
WLD-06	Lode	Soil	444021	6451296
WLD-07	Lode	Soil	444057	6451312
WLD-08	Lode	Soil	444094	6451262
WLD-09	Lode	Soil	444101	6451241
WLD-10	Lode	Soil	444127	6451244
WLD-11	Lode	Soil	444114	6451168
WLD-12	Lode	Soil	444130	6451094
WLD-13	Lode	Soil	444148	6451076
WLD-14	Lode	Soil	444153	6451066
WLD-15	Lode	Soil	444159	6451054
WLD-16	Lode	Soil	444315	6451013
WLD-17	Lode	Soil	444357	6450969

Appendix C –Analytical Certificates

BUREAU VERITAS MINERAL LABORATORIES Canada

www.bureauveritas.com/um

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

Submitted By: Bernie Kreft
Receiving Lab: Canada-Vancouver
Received: August 03, 2017
Report Date: September 11, 2017
Page: 1 of 5

CERTIFICATE OF ANALYSIS VAN17001637.1

CLIENT JOB INFORMATION

Project: None Given
Shipment ID:
P.O. Number
Number of Samples: 107

SAMPLE DISPOSAL

RTRN-PLP Return 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
PRP70-250	107	Crush, split and pulverize 250 g rock to 200 mesh			VAN
AQ201	107	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
DRPLP	107	Warehouse handling / disposition of pulps			VAN
DRRJT	95	Warehouse handling / Disposition of reject			VAN
MA404	9	4 Acid Digest AAS Finish Vancouver	0.5	Completed	VAN

ADDITIONAL COMMENTS

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

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Production Manager

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

www.bureauveritas.com/um

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: September 11, 2017

CERTIFICATE OF ANALYSIS VAN17001637.1

Method		WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
Analyte		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
JULR-01	Rock	0.81	0.5	375.3	1.8	21	<0.1	21.4	10.0	542	5.59	5.7	1.4	7.7	61	0.1	0.6	<0.1	133	2.46	0.201
JULR-02	Rock	0.31	0.6	4130.2	5.9	63	2.4	15.1	18.4	1198	4.76	33.0	45.4	10.3	133	0.2	1.0	<0.1	156	2.73	0.257
BHOR-1	Rock	0.97	0.3	16.7	7.1	93	<0.1	7.1	10.2	851	2.78	5.2	0.6	1.0	79	0.2	0.2	<0.1	88	1.53	0.130
BHOR-2	Rock	0.70	0.2	51.6	2.0	31	<0.1	4.5	4.1	357	1.94	1.1	1.0	1.3	21	<0.1	<0.1	<0.1	64	0.29	0.123
BHOR-3	Rock	0.24	0.2	163.0	3.8	85	<0.1	8.0	17.7	932	3.92	1.1	3.5	1.8	101	0.2	<0.1	<0.1	166	3.73	0.194
BHOR-4	Rock	0.39	1.2	155.2	3.7	42	<0.1	86.8	25.5	269	3.14	<0.5	2.3	0.9	62	<0.1	<0.1	<0.1	97	1.90	0.191
BHOR-5	Rock	0.87	0.1	152.5	3.6	38	<0.1	4.5	11.1	299	2.53	<0.5	<0.5	0.9	75	0.1	<0.1	<0.1	49	1.35	0.149
BHOR-6	Rock	0.69	1.7	208.8	2.2	40	0.2	33.2	30.6	370	5.93	<0.5	1.4	0.9	36	<0.1	<0.1	<0.1	224	1.45	0.025
BHOR-7	Rock	0.73	0.3	142.8	3.5	30	0.1	5.9	17.8	251	2.55	1.2	2.5	1.4	251	0.2	0.2	<0.1	44	1.63	0.147
BHOR-8	Rock	0.81	0.3	166.5	2.1	26	0.2	32.9	31.6	285	5.05	0.6	<0.5	0.7	37	<0.1	0.1	<0.1	170	1.15	0.016
WHUR-1	Rock	1.58	5.0	726.8	16.9	72	0.3	47.4	80.2	695	6.07	98.6	1.9	0.4	138	0.3	2.0	0.1	47	3.30	0.076
KBHR-01	Rock	0.51	0.6	454.3	5.0	55	<0.1	4.8	12.8	545	3.52	1.9	2.4	10.2	46	<0.1	<0.1	<0.1	117	1.08	0.179
KBHR-02	Rock	0.28	0.4	129.5	2.9	62	<0.1	6.9	16.3	505	3.82	1.1	1.6	2.8	27	<0.1	<0.1	<0.1	159	1.89	0.220
KBHR-03	Rock	0.54	0.3	5.1	4.4	6	<0.1	1.4	1.6	250	1.59	2.8	<0.5	30.3	424	<0.1	0.9	<0.1	71	3.21	0.065
KBHR-04	Rock	0.48	3.8	175.4	5.9	57	0.1	44.3	27.2	357	3.91	2.7	4.5	1.2	39	0.1	0.1	0.2	105	1.84	0.281
KBHR-05	Rock	0.58	0.3	167.7	4.2	33	<0.1	2.9	8.6	426	2.14	2.6	1.2	62.9	75	<0.1	0.6	<0.1	67	1.99	0.111
KBHR-06	Rock	0.62	0.5	127.4	2.6	47	<0.1	6.2	12.2	494	2.88	0.6	2.0	1.6	81	<0.1	0.1	<0.1	102	2.38	0.250
KBHR-07	Rock	0.38	0.2	146.7	2.3	60	<0.1	8.5	16.8	563	3.89	1.5	0.9	4.1	26	<0.1	0.1	<0.1	146	2.18	0.246
BBLR-01	Rock	1.21	1.2	138.9	2.5	12	<0.1	3.7	60.5	846	3.69	29.9	0.8	3.5	134	0.1	0.3	0.1	71	5.20	0.174
BBLR-02	Rock	0.67	1.7	175.2	4.9	37	<0.1	17.9	13.5	1797	3.68	16.5	<0.5	6.5	172	0.1	0.6	<0.1	147	4.88	0.196
BBLR-03	Rock	1.04	0.8	910.3	3.3	14	0.2	8.9	75.8	860	2.61	19.4	2.7	5.0	234	<0.1	2.0	0.1	65	4.40	0.200
BBLR-04	Rock	0.61	1.9	179.0	5.8	49	<0.1	14.3	15.5	855	4.26	12.9	1.8	7.8	119	0.3	0.9	0.1	146	3.01	0.219
TLR-01	Rock	0.32	0.4	133.2	2.4	16	<0.1	1.4	19.1	521	0.77	20.4	<0.5	3.5	161	<0.1	1.3	<0.1	17	3.43	0.163
TLR-02	Rock	0.29	0.5	3927.0	11.6	47	1.0	29.4	43.1	1425	2.46	41.1	22.8	7.3	57	0.3	0.8	0.2	51	3.11	0.146
TLR-03	Rock	0.56	0.6	877.8	4.5	48	0.3	18.1	19.7	2052	3.21	26.7	4.0	10.5	60	0.2	0.6	<0.1	88	4.32	0.180
TLR-04	Rock	0.40	0.4	232.2	4.3	29	0.2	2.6	23.1	441	1.70	6.1	0.9	3.7	70	0.2	0.2	0.1	17	1.04	0.060
TLR-05	Rock	0.86	1.5	5029.3	39.1	102	1.9	15.8	9.9	2769	4.37	46.1	5.8	22.4	78	0.6	1.9	0.2	105	6.94	0.184
TLR-06	Rock	0.76	0.9	323.2	6.7	43	0.2	17.4	19.2	219	3.77	48.7	<0.5	10.5	43	0.2	0.5	0.2	44	0.77	0.181
TLR-07	Rock	0.85	14.6	242.1	5.8	341	0.3	20.0	10.4	618	3.12	330.4	1.2	3.4	123	1.5	1.5	0.6	15	2.59	0.074
TLR-08	Rock	0.97	0.3	211.5	5.2	41	0.1	12.8	14.5	744	2.48	19.4	<0.5	2.0	231	<0.1	0.3	0.1	14	4.32	0.192

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Project: None Given
Report Date: September 11, 2017

CERTIFICATE OF ANALYSIS VAN17001637.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	MA404
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Cu
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%
	MDL	1	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	0.01
JULR-01	Rock	30	22	1.01	74	0.031	3	1.45	0.057	0.17	5.5	<0.01	8.0	<0.1	<0.05	11	<0.5	<0.2	
JULR-02	Rock	45	24	0.43	66	0.093	5	1.28	0.091	0.11	0.2	<0.01	11.2	<0.1	0.14	6	<0.5	<0.2	
BHOR-1	Rock	8	5	1.06	121	0.147	2	1.44	0.092	0.15	0.2	<0.01	3.4	<0.1	<0.05	9	<0.5	<0.2	
BHOR-2	Rock	5	5	0.30	80	0.007	2	0.56	0.097	0.11	<0.1	<0.01	2.2	<0.1	<0.05	4	<0.5	<0.2	
BHOR-3	Rock	9	2	1.34	48	0.194	14	3.37	0.097	0.14	<0.1	<0.01	7.4	<0.1	<0.05	12	<0.5	<0.2	
BHOR-4	Rock	4	66	1.58	93	0.166	5	2.41	0.077	0.91	0.2	<0.01	2.9	0.1	0.45	6	<0.5	<0.2	
BHOR-5	Rock	7	4	0.57	90	0.136	1	1.17	0.168	0.14	<0.1	<0.01	3.6	<0.1	0.83	4	<0.5	<0.2	
BHOR-6	Rock	2	35	1.04	47	0.284	2	0.89	0.108	0.15	<0.1	<0.01	13.9	<0.1	1.46	5	1.2	<0.2	
BHOR-7	Rock	9	5	0.58	43	0.168	4	1.61	0.096	0.07	0.1	<0.01	2.8	<0.1	0.55	6	0.7	<0.2	
BHOR-8	Rock	2	5	0.85	46	0.277	<1	0.69	0.096	0.09	<0.1	0.01	12.3	<0.1	1.87	3	1.6	0.2	
WHUR-1	Rock	4	20	0.53	52	0.089	38	1.15	0.003	<0.01	0.2	0.05	2.4	0.1	2.88	4	25.8	0.2	
KBHR-01	Rock	11	2	0.80	32	0.162	5	1.20	0.069	0.16	0.4	<0.01	2.6	<0.1	<0.05	6	<0.5	<0.2	
KBHR-02	Rock	11	6	0.98	29	0.175	7	1.92	0.076	0.14	0.2	<0.01	2.8	<0.1	<0.05	7	<0.5	<0.2	
KBHR-03	Rock	10	2	0.07	11	0.087	4	2.11	0.028	0.05	0.2	<0.01	2.3	<0.1	<0.05	9	<0.5	<0.2	
KBHR-04	Rock	5	59	1.61	59	0.213	2	1.88	0.101	0.88	0.2	<0.01	3.6	0.2	2.06	5	<0.5	<0.2	
KBHR-05	Rock	13	4	0.50	31	0.130	4	1.63	0.087	0.18	0.4	<0.01	4.5	<0.1	<0.05	6	<0.5	<0.2	
KBHR-06	Rock	11	6	0.70	16	0.105	3	2.00	0.072	0.09	0.2	<0.01	2.9	<0.1	<0.05	8	<0.5	<0.2	
KBHR-07	Rock	13	10	1.11	23	0.187	7	2.19	0.089	0.18	0.2	<0.01	4.5	<0.1	<0.05	8	<0.5	<0.2	
BBLR-01	Rock	8	3	0.26	30	0.081	1	0.74	0.064	0.03	3.6	<0.01	3.3	<0.1	<0.05	4	<0.5	<0.2	
BBLR-02	Rock	26	16	0.48	30	0.101	6	2.54	1.009	0.11	0.3	<0.01	9.9	<0.1	<0.05	9	<0.5	<0.2	
BBLR-03	Rock	17	8	0.13	33	0.132	3	0.87	0.023	0.08	0.4	<0.01	4.6	<0.1	0.34	3	<0.5	0.2	
BBLR-04	Rock	31	21	0.40	62	0.095	7	1.58	0.500	0.17	1.2	<0.01	9.1	<0.1	<0.05	7	<0.5	<0.2	
TLR-01	Rock	13	<1	0.15	154	0.063	3	0.57	0.018	0.05	0.1	<0.01	1.0	<0.1	0.05	2	<0.5	<0.2	
TLR-02	Rock	25	15	0.54	74	0.094	3	0.82	0.068	0.07	0.1	<0.01	4.3	<0.1	0.48	5	<0.5	<0.2	
TLR-03	Rock	22	30	0.55	70	0.118	3	1.11	0.099	0.06	0.2	<0.01	8.2	<0.1	0.11	7	<0.5	<0.2	
TLR-04	Rock	12	1	0.15	57	0.099	3	1.17	0.531	0.13	0.1	<0.01	2.1	<0.1	0.45	3	<0.5	<0.2	
TLR-05	Rock	26	34	0.19	12	0.126	6	1.28	0.034	0.02	0.1	<0.01	11.3	<0.1	0.25	9	0.7	<0.2	
TLR-06	Rock	30	15	0.07	34	0.127	4	0.54	0.194	0.09	0.4	<0.01	3.7	<0.1	2.24	2	<0.5	<0.2	
TLR-07	Rock	9	2	0.05	32	0.076	74	1.52	0.304	0.08	0.1	<0.01	2.0	<0.1	1.46	5	1.3	<0.2	
TLR-08	Rock	6	5	1.33	11	0.141	<1	1.69	0.003	<0.01	0.1	<0.01	6.3	<0.1	<0.05	3	<0.5	<0.2	

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Project: None Given
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CERTIFICATE OF ANALYSIS VAN17001637.1

Method		WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
Analyte		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
TLR-09	Rock	0.78	0.5	1346.6	9.7	102	0.7	22.7	29.1	761	6.15	25.6	13.6	7.1	81	0.4	0.2	0.1	138	2.19	0.170
TLR-10	Rock	0.43	0.9	1759.9	4.6	37	0.2	4.2	9.2	85	0.41	6.9	<0.5	7.8	20	0.1	0.2	<0.1	6	0.19	0.013
TLR-11	Rock	1.01	1.6	59.2	25.3	213	0.1	1.2	8.1	100	1.15	18.8	<0.5	4.3	17	1.0	0.9	<0.1	7	0.25	0.038
TLR-12	Rock	0.33	0.4	60.2	0.7	15	<0.1	3.5	13.7	312	3.14	40.0	<0.5	4.0	60	<0.1	0.6	<0.1	38	1.01	0.184
TLR-13	Rock	0.40	1.2	1577.3	1.7	44	0.5	16.5	19.5	768	3.92	10.8	<0.5	4.1	119	<0.1	0.9	0.7	97	2.09	0.230
TLR-14	Rock	0.37	2.0	>10000	14.7	48	2.9	15.3	22.2	401	5.08	14.0	29.9	5.5	118	0.3	1.2	0.5	109	1.66	0.205
TLR-15	Rock	0.33	1.1	6312.3	1.2	7	0.4	3.6	10.2	1049	1.35	12.0	2.1	1.8	53	<0.1	0.2	1.1	7	5.94	0.066
TLR-16	Rock	0.16	0.8	3481.3	2.0	40	0.4	14.9	23.1	649	4.60	3.5	1.8	5.9	52	<0.1	0.4	<0.1	93	3.88	0.196
TLR-17	Rock	0.42	1.2	>10000	0.8	13	0.3	4.9	7.4	1537	3.26	<0.5	25.5	0.8	147	<0.1	<0.1	0.3	19	17.09	0.018
TLR-18	Rock	0.42	0.6	6727.4	1.3	32	1.3	9.2	19.5	911	4.57	4.6	9.5	5.1	85	<0.1	0.5	0.1	89	6.31	0.175
TLR-19	Rock	0.31	0.6	5109.0	1.6	12	<0.1	10.9	8.3	700	3.41	5.2	47.9	8.4	12	<0.1	0.3	0.3	34	0.58	0.239
TLR-20	Rock	0.64	2.3	7342.5	1.1	9	<0.1	8.0	6.7	296	5.09	4.8	20.5	7.0	50	<0.1	0.6	0.5	54	1.73	0.218
TLR-21	Rock	0.53	1.2	8596.2	1.3	11	0.7	5.2	43.5	535	2.87	9.8	240.1	1.1	12	<0.1	0.3	2.9	21	0.16	0.028
TLR-22	Rock	0.39	0.4	2361.4	0.4	3	0.2	2.5	44.0	99	2.87	8.8	23.3	<0.1	5	<0.1	0.2	2.8	7	0.05	0.004
TLR-23	Rock	0.49	1.6	3220.0	6.7	8	0.4	4.7	119.8	337	6.08	31.5	141.6	9.9	108	0.2	0.4	0.4	47	2.97	0.186
TLR-24	Rock	0.37	1.9	>10000	0.9	4	1.0	5.9	83.2	48	12.96	9.6	65.5	4.6	4	<0.1	0.1	4.3	4	0.06	0.087
TLR-25	Rock	0.65	11.3	7881.0	1.8	26	0.4	7.7	33.2	732	4.68	9.9	15.0	9.5	17	<0.1	0.2	3.0	46	1.19	0.214
TLR-26	Rock	0.55	0.1	1781.2	0.3	69	<0.1	23.1	36.5	1088	10.81	13.7	1.3	8.8	12	<0.1	<0.1	<0.1	183	0.51	0.217
TLR-27	Rock	0.45	0.6	5463.0	0.4	47	0.3	3.1	16.5	762	6.67	3.6	6.4	1.1	6	0.1	0.1	0.5	42	0.11	0.034
TLR-28	Rock	0.33	15.2	25.3	0.9	13	<0.1	42.7	25.3	1118	2.01	2.3	<0.5	0.8	139	<0.1	1.8	0.2	39	4.83	0.084
TLR-29	Rock	0.58	2.5	>10000	0.7	12	0.6	4.0	28.9	210	5.58	11.2	67.4	0.3	4	<0.1	0.2	1.2	51	0.06	0.017
TLR-30	Rock	0.59	1.8	>10000	0.5	26	1.5	2.9	10.6	187	5.73	6.3	18.3	1.0	24	<0.1	0.1	1.5	22	0.08	0.032
TLR-31	Rock	0.49	3.2	>10000	0.4	18	0.5	5.1	18.1	70	6.11	13.4	8.0	0.1	3	<0.1	0.2	0.5	43	0.03	0.018
TLR-32	Rock	0.48	0.9	>10000	0.4	4	1.3	1.6	10.8	63	3.59	5.6	64.7	<0.1	10	<0.1	0.2	1.4	11	0.03	0.007
TLR-33	Rock	0.41	0.9	74.1	2.2	53	<0.1	7.8	12.4	999	3.50	2.1	0.5	6.8	25	<0.1	0.1	0.2	61	1.25	0.087
TLR-34	Rock	0.40	0.4	7027.7	9.2	54	1.0	26.4	65.2	2787	4.79	44.4	15.9	6.0	48	0.8	0.5	0.2	92	6.46	0.175
TLR-35	Rock	0.39	1.0	356.8	3.2	65	<0.1	20.6	29.3	899	3.55	15.3	1.9	4.1	235	<0.1	1.3	0.2	69	2.83	0.169
TLR-36	Rock	0.31	2.6	2055.7	3.6	55	0.4	17.5	45.1	659	3.63	14.7	6.1	5.6	230	0.2	2.5	0.4	75	1.87	0.182
TLR-37	Rock	0.33	5.7	1054.4	2.9	17	0.2	1.1	5.4	451	0.69	63.2	3.2	33.4	31	<0.1	19.9	0.1	2	2.07	0.028
BLOR-01	Rock	0.62	22.9	146.7	7.5	69	0.4	17.0	23.5	2247	4.23	37.4	3.7	7.9	262	0.8	1.6	0.2	128	4.90	0.171

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Method		AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	MA404
Analyte		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Cu
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%
MDL		1	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	0.01
TLR-09	Rock	24	17	0.76	33	0.088	6	1.84	0.200	0.24	<0.1	<0.01	4.9	<0.1	0.15	7	0.6	<0.2	
TLR-10	Rock	9	<1	0.04	58	0.095	2	0.30	0.032	0.27	0.5	<0.01	0.4	<0.1	<0.05	1	<0.5	<0.2	
TLR-11	Rock	12	1	0.13	82	0.027	<1	0.30	0.086	0.11	0.1	<0.01	0.5	<0.1	0.44	2	<0.5	<0.2	
TLR-12	Rock	11	7	0.44	58	0.088	2	0.79	0.073	0.12	2.6	<0.01	3.1	<0.1	<0.05	4	<0.5	<0.2	
TLR-13	Rock	14	32	0.83	30	0.079	2	1.01	0.058	0.06	0.2	<0.01	4.3	<0.1	<0.05	5	<0.5	<0.2	
TLR-14	Rock	16	10	0.81	36	0.112	3	1.01	0.084	0.21	0.3	<0.01	3.5	<0.1	0.52	5	2.0	<0.2	1.17
TLR-15	Rock	14	1	0.12	168	0.001	<1	0.36	0.012	0.16	<0.1	<0.01	1.8	<0.1	0.57	<1	0.6	<0.2	
TLR-16	Rock	21	10	1.51	48	0.021	2	1.61	0.060	0.21	0.2	<0.01	6.2	<0.1	<0.05	8	0.6	<0.2	
TLR-17	Rock	4	<1	0.29	65	<0.001	<1	0.44	0.004	0.13	<0.1	<0.01	5.5	<0.1	1.32	2	6.5	<0.2	2.65
TLR-18	Rock	17	9	1.09	43	0.026	<1	1.23	0.040	0.15	2.6	<0.01	6.2	<0.1	<0.05	6	0.9	<0.2	
TLR-19	Rock	9	8	0.44	34	0.007	4	1.27	0.081	0.31	0.1	<0.01	2.4	<0.1	0.22	5	<0.5	<0.2	
TLR-20	Rock	20	9	0.29	80	0.014	<1	0.60	0.051	0.15	0.3	<0.01	5.0	<0.1	0.41	3	0.8	<0.2	
TLR-21	Rock	4	2	0.11	207	0.002	3	0.33	0.006	0.08	0.7	0.03	3.3	<0.1	0.07	2	1.7	2.3	
TLR-22	Rock	1	2	0.02	83	<0.001	<1	0.05	0.005	0.02	0.5	0.02	1.0	<0.1	0.06	<1	1.4	2.0	
TLR-23	Rock	21	3	0.34	54	0.079	<1	0.77	0.056	0.08	27.8	<0.01	4.4	<0.1	<0.05	5	<0.5	<0.2	
TLR-24	Rock	2	1	0.01	17	0.002	17	0.12	0.029	0.02	0.1	0.10	0.5	<0.1	9.04	<1	3.5	4.6	1.26
TLR-25	Rock	37	3	0.67	45	0.003	2	1.23	0.070	0.09	0.9	0.02	6.2	<0.1	0.80	6	1.1	1.6	
TLR-26	Rock	22	5	4.54	45	0.006	<1	5.89	0.010	0.10	<0.1	<0.01	7.8	<0.1	<0.05	26	<0.5	<0.2	
TLR-27	Rock	2	<1	1.38	52	0.004	6	2.14	0.005	0.01	0.3	<0.01	7.3	<0.1	<0.05	9	0.6	0.2	
TLR-28	Rock	3	6	1.64	43	0.070	2	0.58	0.005	0.02	0.6	<0.01	4.6	<0.1	0.67	2	<0.5	<0.2	
TLR-29	Rock	<1	<1	0.03	19	<0.001	4	0.26	0.003	0.10	11.3	<0.01	8.6	<0.1	<0.05	1	1.0	0.4	5.06
TLR-30	Rock	1	1	0.20	421	<0.001	5	0.58	0.003	0.05	1.1	<0.01	5.6	<0.1	0.21	3	0.7	0.7	2.70
TLR-31	Rock	1	3	0.03	12	0.001	<1	0.12	0.005	0.04	2.6	<0.01	14.7	<0.1	<0.05	<1	1.3	0.3	1.27
TLR-32	Rock	<1	<1	0.02	282	<0.001	<1	0.06	0.004	0.03	0.9	<0.01	0.7	<0.1	0.41	<1	1.5	0.9	2.26
TLR-33	Rock	35	7	0.52	184	0.004	4	0.95	0.034	0.19	<0.1	0.01	5.9	<0.1	<0.05	5	<0.5	<0.2	
TLR-34	Rock	19	11	0.35	51	0.113	4	1.76	0.412	0.10	0.4	<0.01	7.7	<0.1	0.83	7	0.5	<0.2	
TLR-35	Rock	17	9	1.47	35	0.121	8	1.78	0.039	0.11	0.4	<0.01	2.8	<0.1	0.06	6	<0.5	<0.2	
TLR-36	Rock	26	8	1.08	90	0.119	8	1.66	0.066	0.17	0.3	<0.01	3.3	<0.1	0.05	6	<0.5	<0.2	
TLR-37	Rock	35	<1	0.04	47	<0.001	5	0.36	0.020	0.21	0.2	1.43	1.1	<0.1	0.09	<1	<0.5	<0.2	
BLOR-01	Rock	26	21	0.38	81	0.123	75	1.63	0.149	0.08	1.1	0.02	7.2	<0.1	0.15	8	<0.5	<0.2	

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Client: **Kreft, Bernie**
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Project: None Given
Report Date: September 11, 2017

CERTIFICATE OF ANALYSIS VAN17001637.1

Method		WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
Analyte		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
BLOR-02	Rock	0.49	46.4	>10000	12.0	79	39.7	127.6	211.7	2957	14.51	179.8	521.2	2.2	15	0.6	0.7	1.1	127	5.82	0.049
BLOR-03	Rock	0.62	0.3	53.2	2.4	56	<0.1	6.1	11.2	1083	2.52	5.4	1.3	4.1	196	<0.1	0.4	<0.1	25	3.70	0.051
BLOR-04	Rock	0.48	3.0	157.2	6.6	37	0.2	24.3	12.2	345	3.95	45.5	1.1	5.0	52	0.1	1.4	0.6	40	0.72	0.068
BLOR-05	Rock	1.39	49.4	63.8	14.3	105	0.2	29.9	11.5	450	3.53	80.8	5.3	4.2	119	0.5	0.6	0.2	32	5.10	0.109
BLOR-06	Rock	0.88	0.2	>10000	23.0	83	4.1	17.4	43.4	986	3.85	12.6	19.4	2.2	301	0.2	1.1	0.4	24	7.16	0.079
BLOR-07	Rock	0.80	0.5	22.5	1.8	30	<0.1	7.8	17.4	899	3.06	37.1	<0.5	5.8	200	<0.1	0.9	<0.1	65	2.73	0.177
BLOR-08	Rock	0.37	0.8	9726.6	3.2	40	0.3	34.2	39.0	670	9.16	4.6	57.7	7.0	59	<0.1	0.3	0.1	127	2.20	0.188
BLOR-09	Rock	1.06	0.5	185.3	1.6	16	<0.1	13.5	14.7	483	4.22	5.5	2.0	5.2	155	<0.1	0.4	<0.1	133	4.05	0.191
BLOR-10	Rock	0.22	0.3	279.4	1.7	21	<0.1	15.4	6.8	262	3.42	2.9	2.4	1.7	19	0.1	0.2	<0.1	94	0.75	0.120
BLOR-11	Rock	0.73	0.4	795.1	1.3	15	<0.1	11.1	12.6	611	5.24	4.3	3.6	6.6	97	<0.1	0.3	<0.1	107	3.63	0.197
BLOR-12	Rock	0.69	0.6	1598.6	1.4	14	<0.1	12.8	11.4	543	5.71	6.6	3.2	6.8	161	<0.1	0.9	0.2	92	3.05	0.204
EHUR-01	Rock	0.25	2.2	1333.6	1.2	6	0.3	42.1	57.4	367	8.05	<0.5	4.5	0.6	13	<0.1	0.4	0.4	62	2.69	0.117
EHUR-02	Rock	1.23	0.3	61.1	2.7	45	<0.1	4.4	14.3	810	3.80	5.2	1.3	0.3	30	0.1	0.6	<0.1	140	2.10	0.118
EHUR-03	Rock	0.88	0.6	70.4	5.9	68	<0.1	9.4	14.7	1185	4.28	6.9	3.3	1.7	44	0.2	0.4	<0.1	154	1.56	0.107
EHUR-04	Rock	0.93	3.1	707.5	6.3	19	0.3	31.3	70.5	737	6.74	138.1	5.3	0.3	139	<0.1	3.3	<0.1	63	2.28	0.089
EHUR-05	Rock	1.08	2.1	90.4	66.0	933	0.5	14.5	23.2	1227	3.60	37.6	0.8	0.9	29	7.2	1.5	<0.1	123	3.42	0.127
EHUR-06	Rock	0.45	2.3	1254.2	85.1	60	<0.1	128.7	9.9	4157	4.89	4.2	1.4	0.7	6	0.2	2.3	0.7	82	0.05	0.018
EHUR-07	Rock	0.67	2.3	17.9	2.5	119	<0.1	5.3	17.0	1713	4.35	9.7	1.1	13.4	99	<0.1	0.7	<0.1	123	4.08	0.125
THR-01	Rock	0.33	0.2	6.7	5.2	106	<0.1	7.5	12.9	1127	3.00	6.1	<0.5	1.0	113	<0.1	0.3	<0.1	90	1.67	0.121
THR-02	Rock	0.34	4.8	1098.3	4.3	36	0.9	14.8	11.3	814	3.64	2.2	288.3	4.1	36	0.2	0.4	0.9	81	0.59	0.142
THR-03	Rock	0.38	0.3	2.6	5.1	28	<0.1	3.8	3.3	350	1.22	3.0	<0.5	2.4	453	0.3	0.3	<0.1	31	1.04	0.046
THR-04	Rock	0.38	0.1	393.6	1.2	45	0.1	34.6	36.9	561	6.36	<0.5	14.5	<0.1	82	<0.1	<0.1	<0.1	412	2.69	0.003
THR-05	Rock	0.21	0.4	58.2	0.7	42	<0.1	4.1	9.4	679	3.40	<0.5	1.9	0.9	35	<0.1	<0.1	<0.1	116	1.50	0.113
THR-06	Rock	0.20	0.3	40.4	1.0	27	<0.1	18.9	9.4	392	2.11	<0.5	1.2	2.0	35	<0.1	<0.1	<0.1	66	1.11	0.041
THR-07	Rock	0.26	0.3	86.4	3.6	60	<0.1	4.7	11.6	714	2.79	1.6	1.8	0.9	72	0.1	0.1	<0.1	93	2.90	0.189
THR-08	Rock	0.31	0.6	419.5	2.7	42	0.2	48.8	46.4	730	4.46	<0.5	7.1	0.4	110	<0.1	0.2	<0.1	84	2.56	0.098
THR-09	Rock	0.34	0.3	118.4	0.7	33	0.1	20.8	10.8	531	9.06	<0.5	2.6	0.3	33	<0.1	0.2	<0.1	413	1.46	0.037
THR-10	Rock	0.44	0.4	111.4	1.2	30	<0.1	10.1	12.1	365	2.92	<0.5	0.9	0.7	256	<0.1	0.1	<0.1	59	1.96	0.220
THR-11	Rock	0.64	0.3	64.5	19.9	75	<0.1	1.9	6.1	553	3.02	0.6	0.9	0.4	228	0.4	0.2	<0.1	83	2.90	0.416
THR-12	Rock	0.27	1.1	21.3	0.8	69	<0.1	4.5	5.8	454	3.58	0.6	<0.5	1.6	91	<0.1	<0.1	<0.1	180	1.32	0.112

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CERTIFICATE OF ANALYSIS VAN17001637.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	MA404
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Cu
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%
	MDL	1	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	0.01
BLOR-02	Rock	4	13	0.13	28	0.129	24	1.16	0.043	0.04	1.0	0.02	7.6	0.2	6.56	8	5.9	0.8	6.12
BLOR-03	Rock	6	5	0.77	11	0.057	2	1.20	0.079	<0.01	0.2	<0.01	3.7	<0.1	<0.05	3	<0.5	<0.2	
BLOR-04	Rock	10	6	0.19	27	0.106	5	0.95	0.169	0.13	0.2	<0.01	5.0	<0.1	2.32	3	6.4	<0.2	
BLOR-05	Rock	16	3	0.08	29	0.138	10	2.16	0.290	0.13	0.3	<0.01	2.5	<0.1	2.18	6	1.3	<0.2	
BLOR-06	Rock	12	5	0.92	3	0.119	1	1.56	0.004	<0.01	1.0	<0.01	2.9	<0.1	1.29	3	4.1	<0.2	1.21
BLOR-07	Rock	15	9	1.04	33	0.134	2	1.50	0.078	0.06	1.5	<0.01	4.4	<0.1	<0.05	7	<0.5	<0.2	
BLOR-08	Rock	28	12	3.38	240	0.018	2	3.34	0.023	0.39	<0.1	<0.01	7.7	<0.1	0.62	14	0.7	<0.2	
BLOR-09	Rock	27	13	0.89	48	0.092	4	1.82	0.071	0.28	1.7	<0.01	7.8	<0.1	<0.05	11	<0.5	<0.2	
BLOR-10	Rock	4	50	0.54	61	0.015	<1	0.84	0.144	0.12	<0.1	<0.01	5.4	<0.1	<0.05	5	<0.5	<0.2	
BLOR-11	Rock	27	10	0.71	657	0.053	3	1.26	0.078	0.22	0.1	<0.01	7.9	<0.1	<0.05	7	<0.5	<0.2	
BLOR-12	Rock	22	10	0.62	54	0.056	<1	1.22	0.043	0.16	0.2	<0.01	6.3	<0.1	0.11	7	<0.5	<0.2	
EHUR-01	Rock	2	15	0.32	8	0.206	7	1.59	0.083	0.04	0.2	<0.01	4.2	<0.1	4.73	6	24.7	0.5	
EHUR-02	Rock	3	6	1.45	78	0.212	12	2.68	0.100	0.32	<0.1	<0.01	6.4	<0.1	0.17	12	<0.5	<0.2	
EHUR-03	Rock	8	12	1.23	85	0.183	12	2.48	0.092	0.12	0.2	0.01	9.2	<0.1	<0.05	12	<0.5	<0.2	
EHUR-04	Rock	<1	32	1.06	6	0.095	216	1.49	0.003	<0.01	0.1	0.03	2.8	<0.1	2.45	5	20.7	0.3	
EHUR-05	Rock	8	23	1.35	14	0.084	7	1.91	0.077	0.09	0.1	0.22	7.6	<0.1	0.21	10	1.1	<0.2	
EHUR-06	Rock	21	7	1.33	24	0.003	3	1.30	0.003	0.04	0.1	0.02	6.9	0.3	3.32	7	<0.5	0.6	
EHUR-07	Rock	36	5	0.49	123	0.026	8	0.82	0.101	0.18	<0.1	<0.01	9.6	<0.1	<0.05	5	<0.5	<0.2	
THR-01	Rock	9	5	1.66	75	0.144	4	2.14	0.073	0.19	0.2	<0.01	3.7	<0.1	<0.05	13	<0.5	<0.2	
THR-02	Rock	56	8	0.06	161	0.008	<1	0.51	0.082	0.24	0.5	0.01	6.0	<0.1	0.06	2	0.6	0.5	
THR-03	Rock	8	7	0.27	48	0.103	2	1.08	0.129	0.09	0.1	<0.01	1.9	<0.1	<0.05	6	<0.5	<0.2	
THR-04	Rock	1	12	2.85	46	0.413	1	2.76	0.368	0.28	<0.1	<0.01	31.1	<0.1	<0.05	7	<0.5	<0.2	
THR-05	Rock	5	9	0.70	43	0.149	2	1.13	0.214	0.15	<0.1	<0.01	5.2	<0.1	<0.05	5	<0.5	<0.2	
THR-06	Rock	8	112	1.01	43	0.159	1	0.91	0.122	0.13	<0.1	<0.01	5.9	<0.1	<0.05	4	<0.5	<0.2	
THR-07	Rock	5	2	0.83	38	0.106	8	2.45	0.096	0.19	0.2	<0.01	4.3	<0.1	<0.05	9	<0.5	<0.2	
THR-08	Rock	3	37	1.15	45	0.130	7	3.05	0.324	0.44	<0.1	<0.01	8.5	<0.1	1.44	6	2.5	0.4	
THR-09	Rock	<1	13	1.28	22	0.440	<1	0.86	0.144	0.12	<0.1	<0.01	18.7	<0.1	0.15	5	<0.5	<0.2	
THR-10	Rock	4	19	0.75	68	0.119	<1	1.79	0.085	0.16	<0.1	<0.01	3.5	<0.1	0.97	5	<0.5	<0.2	
THR-11	Rock	3	3	0.66	120	0.097	4	2.29	0.144	0.21	<0.1	<0.01	3.3	<0.1	0.65	6	<0.5	<0.2	
THR-12	Rock	10	5	0.96	303	0.248	<1	2.08	0.154	0.73	<0.1	<0.01	4.6	0.2	0.60	8	<0.5	<0.2	

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	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
THR-15	Rock	0.38	1.2	3171.8	1.1	25	0.8	53.1	35.5	314	3.07	1.7	67.0	0.5	59	0.1	0.2	<0.1	132	1.45	0.174
THR-16	Rock	0.21	0.3	134.8	1.9	51	<0.1	6.1	14.3	590	3.63	0.6	<0.5	0.8	33	0.1	<0.1	<0.1	164	2.61	0.168
THR-17	Rock	0.33	0.3	151.0	3.0	50	<0.1	7.1	13.5	724	3.61	1.8	<0.5	2.6	197	<0.1	0.1	<0.1	132	3.29	0.207
THR-18	Rock	0.16	0.5	331.5	14.9	64	<0.1	6.2	17.1	888	3.99	1.0	1.7	2.5	50	<0.1	<0.1	<0.1	132	4.07	0.214
THR-19	Rock	0.29	0.7	158.6	2.2	95	<0.1	8.4	19.5	1082	4.80	1.4	4.0	3.2	32	0.1	<0.1	<0.1	175	2.57	0.210
THR-20	Rock	0.15	0.4	389.6	2.2	85	0.2	6.6	18.3	899	4.49	1.0	2.7	3.6	37	<0.1	0.1	<0.1	143	1.88	0.221
THR-21	Rock	0.49	0.9	187.5	3.3	74	<0.1	6.3	16.3	771	4.36	1.8	2.0	4.2	29	<0.1	<0.1	<0.1	152	2.98	0.223
THR-22	Rock	0.42	0.5	113.5	5.7	34	<0.1	4.2	10.5	430	3.18	1.1	0.9	3.8	86	<0.1	0.2	<0.1	147	5.06	0.161
THR-23	Rock	0.21	0.7	231.3	1.6	43	<0.1	32.9	18.4	480	3.08	1.4	3.4	0.7	35	<0.1	<0.1	<0.1	108	1.02	0.161
THR-24	Rock	0.52	13.0	105.5	10.3	86	0.5	25.5	30.0	2001	4.23	37.6	2.6	10.2	189	0.8	1.5	0.2	119	3.97	0.174
LHUR-01	Rock	0.63	1.4	14.6	2.7	35	<0.1	3.0	11.7	872	2.97	12.9	1.4	15.8	30	<0.1	0.4	<0.1	42	1.65	0.093
LHUR-02	Rock	0.96	35.0	248.6	1.6	8	<0.1	8.9	9.1	322	2.51	<0.5	1.1	0.6	29	<0.1	0.2	<0.1	49	5.77	0.115
LHUR-03	Rock	0.57	3.8	1384.5	2.0	11	0.4	2.7	3.7	1170	2.60	48.5	1.5	14.4	122	0.1	1.7	0.3	41	3.90	0.082
LHUR-04	Rock	0.13	1.9	371.5	7.0	137	0.1	29.2	21.5	255	5.13	263.3	14.2	0.4	9	0.9	1.4	0.1	73	5.14	0.115
LHUR-05	Rock	0.26	1.2	1164.1	9.9	38	1.1	60.4	86.7	410	10.77	5.9	28.2	0.5	11	0.1	1.6	0.7	105	2.77	0.095
LHUR-06	Rock	0.40	0.3	123.5	1.4	40	<0.1	27.6	14.7	422	2.85	1.5	1.5	0.6	44	<0.1	0.2	<0.1	107	1.31	0.149
LHUR-07	Rock	0.49	2.7	7.4	7.9	44	<0.1	8.1	14.1	1131	3.73	6.4	1.1	17.8	51	<0.1	1.0	<0.1	124	2.11	0.131

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

Project: None Given
Report Date: September 11, 2017

CERTIFICATE OF ANALYSIS VAN17001637.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	MA404
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Cu
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%
	MDL	1	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	0.01
THR-15	Rock	4	59	1.34	151	0.193	2	1.85	0.093	0.84	0.1	0.02	5.3	0.1	0.50	5	1.2	0.5	
THR-16	Rock	9	4	0.97	23	0.170	5	2.27	0.129	0.19	<0.1	<0.01	5.1	<0.1	<0.05	8	<0.5	<0.2	
THR-17	Rock	11	6	0.97	20	0.145	9	2.51	0.093	0.11	0.3	<0.01	5.2	<0.1	<0.05	9	<0.5	<0.2	
THR-18	Rock	10	2	1.14	21	0.138	6	3.42	0.085	0.09	0.2	<0.01	6.3	<0.1	<0.05	13	<0.5	<0.2	
THR-19	Rock	12	8	1.42	51	0.186	4	2.44	0.061	0.12	0.2	<0.01	7.6	<0.1	<0.05	10	<0.5	<0.2	
THR-20	Rock	16	13	1.38	22	0.157	6	2.27	0.100	0.15	0.4	<0.01	5.2	<0.1	<0.05	10	<0.5	<0.2	
THR-21	Rock	15	10	1.12	24	0.194	7	2.73	0.083	0.13	0.5	<0.01	4.1	<0.1	<0.05	12	<0.5	<0.2	
THR-22	Rock	10	3	0.51	19	0.132	7	3.56	0.045	0.03	0.3	<0.01	4.4	<0.1	<0.05	13	<0.5	<0.2	
THR-23	Rock	3	59	1.61	94	0.183	<1	1.73	0.112	0.70	<0.1	<0.01	4.5	0.1	<0.05	5	<0.5	<0.2	
THR-24	Rock	32	26	0.44	92	0.121	23	1.62	0.100	0.07	0.6	0.01	7.0	<0.1	0.21	7	<0.5	<0.2	
LHUR-01	Rock	33	3	0.26	85	0.010	5	0.41	0.053	0.15	<0.1	0.02	4.8	<0.1	0.62	2	<0.5	<0.2	
LHUR-02	Rock	2	12	0.26	17	0.137	7	1.45	0.067	0.02	0.1	<0.01	3.5	<0.1	0.92	4	3.7	<0.2	
LHUR-03	Rock	32	4	0.04	1983	0.029	2	0.36	0.068	0.08	3.1	0.02	5.7	<0.1	0.06	<1	0.6	<0.2	
LHUR-04	Rock	<1	10	0.22	8	0.056	12	4.10	0.006	0.07	<0.1	0.08	4.7	<0.1	2.70	16	9.7	<0.2	
LHUR-05	Rock	8	5	0.67	9	0.137	14	2.39	0.071	0.03	0.2	0.06	6.3	0.1	9.25	11	13.9	0.5	
LHUR-06	Rock	2	63	1.28	67	0.180	1	2.20	0.179	0.79	0.5	<0.01	3.3	0.1	<0.05	7	<0.5	<0.2	
LHUR-07	Rock	39	8	0.70	47	0.146	18	1.40	0.057	0.12	0.6	<0.01	3.5	<0.1	<0.05	9	<0.5	<0.2	

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Project: None Given
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QUALITY CONTROL REPORT VAN17001637.1

	Method	WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
BBLR-01	Rock	1.21	1.2	138.9	2.5	12	<0.1	3.7	60.5	846	3.69	29.9	0.8	3.5	134	0.1	0.3	0.1	71	5.20	0.174
REP BBLR-01	QC		1.1	138.4	2.5	11	<0.1	3.4	59.1	850	3.63	30.2	1.6	3.4	132	0.1	0.3	0.1	69	5.18	0.172
TLR-32	Rock	0.48	0.9	>10000	0.4	4	1.3	1.6	10.8	63	3.59	5.6	64.7	<0.1	10	<0.1	0.2	1.4	11	0.03	0.007
REP TLR-32	QC		1.0	>10000	0.4	5	1.3	1.8	11.0	62	3.58	5.9	62.7	<0.1	10	<0.1	0.3	1.4	11	0.03	0.007
THR-12	Rock	0.27	1.1	21.3	0.8	69	<0.1	4.5	5.8	454	3.58	0.6	<0.5	1.6	91	<0.1	<0.1	<0.1	180	1.32	0.112
REP THR-12	QC		1.1	21.3	0.9	68	<0.1	4.9	5.8	460	3.63	<0.5	<0.5	1.7	94	0.2	<0.1	<0.1	182	1.35	0.118
LHUR-06	Rock	0.40	0.3	123.5	1.4	40	<0.1	27.6	14.7	422	2.85	1.5	1.5	0.6	44	<0.1	0.2	<0.1	107	1.31	0.149
REP LHUR-06	QC		0.4	124.7	1.5	41	<0.1	27.0	14.5	413	2.80	2.2	1.9	0.6	43	<0.1	0.3	<0.1	104	1.28	0.156
Core Reject Duplicates																					
KBHR-06	Rock	0.62	0.5	127.4	2.6	47	<0.1	6.2	12.2	494	2.88	0.6	2.0	1.6	81	<0.1	0.1	<0.1	102	2.38	0.250
DUP KBHR-06	QC		0.5	131.4	2.8	49	<0.1	6.0	12.5	500	3.02	0.9	1.5	1.8	87	<0.1	<0.1	<0.1	109	2.57	0.259
TLR-29	Rock	0.58	2.5	>10000	0.7	12	0.6	4.0	28.9	210	5.58	11.2	67.4	0.3	4	<0.1	0.2	1.2	51	0.06	0.017
DUP TLR-29	QC		2.9	>10000	0.7	13	0.7	4.3	31.3	224	5.94	12.8	62.1	0.3	4	<0.1	0.2	1.3	52	0.06	0.019
Reference Materials																					
STD DS11	Standard		14.3	153.4	142.1	352	1.7	78.7	14.4	1023	3.20	42.5	68.9	8.0	68	2.2	8.7	12.2	52	1.07	0.072
STD DS11	Standard		13.3	140.9	131.6	334	1.6	74.5	13.0	1003	3.00	41.4	64.2	7.6	65	2.1	9.2	12.1	47	1.00	0.069
STD DS11	Standard		15.6	148.6	137.6	344	1.7	80.2	14.0	1027	3.20	42.1	77.1	8.6	78	2.3	9.4	12.1	52	1.10	0.068
STD DS11	Standard		13.4	144.0	133.2	346	1.8	78.2	13.4	1029	3.09	42.9	75.7	7.8	70	2.3	9.2	11.6	48	1.02	0.069
STD OREAS132A	Standard																				
STD OREAS134B	Standard																				
STD OREAS132A	Standard																				
STD OREAS134B	Standard																				
STD OXC129	Standard		1.2	28.4	6.2	41	<0.1	81.3	21.2	433	3.08	<0.5	197.6	1.8	188	<0.1	<0.1	<0.1	54	0.69	0.106
STD OXC129	Standard		1.2	24.0	5.9	37	<0.1	72.8	19.2	409	2.94	<0.5	190.4	1.8	187	<0.1	<0.1	<0.1	52	0.63	0.097
STD OXC129	Standard		1.2	30.0	6.3	40	<0.1	78.0	20.1	420	3.08	<0.5	197.6	1.9	220	<0.1	<0.1	<0.1	54	0.76	0.098
STD OXC129	Standard		1.2	24.8	5.7	40	<0.1	74.6	19.2	405	2.94	<0.5	189.2	1.7	180	<0.1	<0.1	<0.1	49	0.66	0.097
STD OXC129 Expected			1.3	28	6.3	42.9		79.5	20.3	421	3.065	0.6	195	1.9					51	0.665	0.102
STD DS11 Expected			14.6	156	138	345	1.71	81.9	14.2	1055	3.2082	42.8	79	7.65	67.3	2.37	8.74	12.2	50	1.063	0.0701

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Project: None Given
Report Date: September 11, 2017

QUALITY CONTROL REPORT VAN17001637.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	MA404
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Cu
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%
	MDL	1	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	0.01
Pulp Duplicates																			
BBLR-01	Rock	8	3	0.26	30	0.081	1	0.74	0.064	0.03	3.6	<0.01	3.3	<0.1	<0.05	4	<0.5	<0.2	
REP BBLR-01	QC	8	3	0.26	28	0.076	2	0.73	0.062	0.03	3.4	<0.01	3.2	<0.1	<0.05	4	<0.5	<0.2	
TLR-32	Rock	<1	<1	0.02	282	<0.001	<1	0.06	0.004	0.03	0.9	<0.01	0.7	<0.1	0.41	<1	1.5	0.9	2.26
REP TLR-32	QC	<1	<1	0.02	267	<0.001	<1	0.06	0.004	0.03	1.0	<0.01	0.8	<0.1	0.41	<1	1.3	0.9	
THR-12	Rock	10	5	0.96	303	0.248	<1	2.08	0.154	0.73	<0.1	<0.01	4.6	0.2	0.60	8	<0.5	<0.2	
REP THR-12	QC	10	5	0.97	301	0.255	2	2.13	0.158	0.74	<0.1	<0.01	4.5	0.2	0.60	9	<0.5	<0.2	
LHUR-06	Rock	2	63	1.28	67	0.180	1	2.20	0.179	0.79	0.5	<0.01	3.3	0.1	<0.05	7	<0.5	<0.2	
REP LHUR-06	QC	2	63	1.26	67	0.183	2	2.12	0.179	0.79	0.5	<0.01	3.3	0.1	<0.05	7	<0.5	<0.2	
Core Reject Duplicates																			
KBHR-06	Rock	11	6	0.70	16	0.105	3	2.00	0.072	0.09	0.2	<0.01	2.9	<0.1	<0.05	8	<0.5	<0.2	
DUP KBHR-06	QC	12	7	0.73	17	0.112	4	2.15	0.089	0.10	0.2	<0.01	3.6	<0.1	<0.05	8	<0.5	<0.2	
TLR-29	Rock	<1	<1	0.03	19	<0.001	4	0.26	0.003	0.10	11.3	<0.01	8.6	<0.1	<0.05	1	1.0	0.4	5.06
DUP TLR-29	QC	1	<1	0.03	20	<0.001	4	0.21	0.003	0.08	11.8	<0.01	8.8	<0.1	<0.05	1	1.4	0.5	5.12
Reference Materials																			
STD DS11	Standard	18	61	0.85	385	0.100	10	1.14	0.074	0.40	3.2	0.30	3.2	5.2	0.29	5	2.1	4.6	
STD DS11	Standard	18	57	0.82	356	0.085	5	1.07	0.067	0.38	3.0	0.26	3.0	4.5	0.27	5	2.0	4.5	
STD DS11	Standard	21	63	0.86	385	0.103	8	1.25	0.080	0.42	3.1	0.27	3.4	4.7	0.27	5	2.4	5.2	
STD DS11	Standard	19	58	0.85	365	0.091	6	1.13	0.071	0.39	3.0	0.26	3.1	4.9	0.28	5	2.4	4.3	
STD OREAS132A	Standard																		0.04
STD OREAS134B	Standard																		0.13
STD OREAS132A	Standard																		0.04
STD OREAS134B	Standard																		0.13
STD OXC129	Standard	13	54	1.59	51	0.420	1	1.61	0.597	0.37	<0.1	<0.01	1.3	<0.1	<0.05	6	<0.5	<0.2	
STD OXC129	Standard	12	48	1.49	49	0.370	1	1.49	0.565	0.35	0.1	<0.01	0.7	<0.1	<0.05	5	<0.5	<0.2	
STD OXC129	Standard	13	52	1.58	50	0.400	<1	1.69	0.611	0.37	<0.1	<0.01	0.9	<0.1	<0.05	6	<0.5	<0.2	
STD OXC129	Standard	12	49	1.49	47	0.385	<1	1.51	0.571	0.35	<0.1	<0.01	0.8	<0.1	<0.05	5	0.5	<0.2	
STD OXC129 Expected		13	52	1.545	50	0.4	1	1.58	0.6	0.37			1.1			5.6			
STD DS11 Expected		18.6	61.5	0.85	385	0.0976		1.1795	0.0762	0.4	2.9	0.3	3.4	4.9	0.2835	5.1	1.9	4.56	

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Project: None Given
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QUALITY CONTROL REPORT VAN17001637.1

		WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		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	2	0.01	0.001
STD OREAS132A Expected																					
STD OREAS134B Expected																					
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
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
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
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
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
ROCK-VAN	Prep Blank		0.7	4.8	1.4	34	<0.1	0.9	3.5	533	1.75	0.9	<0.5	2.4	28	<0.1	<0.1	<0.1	24	0.66	0.038
ROCK-VAN	Prep Blank		0.7	3.6	1.4	31	<0.1	0.8	3.3	472	1.60	0.9	<0.5	2.1	21	<0.1	<0.1	<0.1	20	0.56	0.037

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QUALITY CONTROL REPORT VAN17001637.1

		AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	MA404
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Cu
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%
		1	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	0.01
STD OREAS132A Expected																			0.0458
STD OREAS134B Expected																			0.1348
BLK	Blank	<1	<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	<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	<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	<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																		<0.01
BLK	Blank																		<0.01
Prep Wash																			
ROCK-VAN	Prep Blank	7	2	0.44	66	0.093	1	0.98	0.130	0.12	<0.1	<0.01	3.6	<0.1	<0.05	4	<0.5	<0.2	
ROCK-VAN	Prep Blank	6	2	0.41	57	0.069	1	0.76	0.073	0.08	<0.1	<0.01	2.5	<0.1	<0.05	3	<0.5	<0.2	

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Whitehorse Yukon Y1A 5G9 Canada

Submitted By: Bernie Kreft
Receiving Lab: Canada-Vancouver
Received: August 03, 2017
Report Date: August 21, 2017
Page: 1 of 4

CERTIFICATE OF ANALYSIS VAN17001638.1

CLIENT JOB INFORMATION

Project: None Given
Shipment ID:
P.O. Number
Number of Samples: 80

SAMPLE DISPOSAL

RTRN-PLP Return After 90 days
DISP-RJT-SOIL Immediate Disposal of Soil Reject

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	80	Dry at 60C			VAN
SS80	80	Dry at 60C sieve 100g to -80 mesh			VAN
AQ201	80	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
DRPLP	80	Warehouse handling / disposition of pulps			VAN

ADDITIONAL COMMENTS

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

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Production Manager

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

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1 Locust Place
Whitehorse Yukon Y1A 5G9 Canada

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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
LHUD-01	Soil	1.5	61.4	5.9	72	0.1	41.1	16.5	1187	4.11	10.8	3.1	2.2	29	0.1	0.6	<0.1	97	0.57	0.076	10
LHUD-02	Soil	1.7	66.4	6.4	62	0.3	29.6	17.3	865	3.84	13.7	2.3	2.1	35	0.2	0.6	<0.1	109	0.74	0.089	12
LHUD-03	Soil	1.6	77.0	6.2	54	<0.1	31.4	17.4	844	3.88	15.3	1.5	1.9	26	<0.1	0.7	<0.1	114	0.60	0.066	11
LHUD-04	Soil	1.3	77.2	6.2	60	<0.1	33.8	17.7	946	4.13	11.6	4.0	2.3	31	0.1	0.6	<0.1	121	0.63	0.068	11
LHUD-05	Soil	1.8	66.0	6.1	47	<0.1	28.6	16.9	750	3.63	12.7	1.5	1.8	27	<0.1	0.6	<0.1	111	0.50	0.043	6
LHUD-06	Soil	1.8	63.4	5.8	76	<0.1	34.1	17.1	747	3.92	13.6	2.3	2.5	32	<0.1	0.6	<0.1	109	0.60	0.061	9
LHUD-07	Soil	1.6	66.8	7.1	57	<0.1	34.9	16.7	962	4.17	14.9	1.2	2.6	23	0.2	0.6	<0.1	112	0.53	0.069	11
LHUD-08	Soil	2.3	76.3	7.7	122	<0.1	36.4	21.5	1230	4.88	16.8	1.3	1.5	18	0.3	0.6	<0.1	125	0.40	0.075	11
LHUD-09	Soil	1.2	90.5	6.4	60	<0.1	29.6	18.0	1108	4.20	11.9	3.8	3.7	25	<0.1	0.7	<0.1	111	0.66	0.097	20
LHUD-010	Soil	6.8	561.0	48.2	629	0.3	26.7	58.8	1394	6.58	302.2	2.8	2.0	181	2.8	3.3	0.3	150	1.74	0.108	21
LHUD-011	Soil	14.5	616.5	6.5	60	<0.1	67.4	22.0	715	5.86	60.0	3.9	3.9	23	0.2	2.0	0.3	118	0.66	0.065	28
LHUD-012	Soil	11.1	153.3	8.5	76	<0.1	44.8	19.4	788	4.52	18.2	2.5	1.5	19	0.3	0.9	0.1	119	0.53	0.049	6
LHUD-013	Soil	4.1	85.7	11.3	161	0.2	37.1	18.9	689	3.72	25.3	16.2	1.9	29	0.5	1.0	<0.1	103	0.81	0.096	8
LHUD-014	Soil	5.7	74.3	6.8	94	0.2	49.8	20.4	892	4.35	11.8	1.1	2.9	33	0.4	0.7	<0.1	94	0.84	0.082	17
LHUD-015	Soil	6.4	614.3	20.8	683	0.4	102.0	28.3	893	5.01	121.0	2.0	1.7	32	9.3	18.7	<0.1	96	2.01	0.081	11
LHUD-016	Soil	6.4	155.7	12.7	119	<0.1	56.5	54.3	813	7.15	77.2	1.3	1.3	14	0.7	2.6	0.2	131	0.79	0.039	5
LHUD-017	Soil	3.0	78.2	13.5	110	0.4	22.4	26.5	3508	4.94	84.5	1.2	6.9	15	0.4	1.7	0.2	61	0.42	0.086	42
RHUD-01	Soil	1.2	106.8	8.0	94	<0.1	36.8	20.2	1133	4.63	13.2	4.3	2.5	26	0.1	0.7	<0.1	129	0.61	0.068	15
RHUD-02	Soil	1.3	114.1	9.1	65	<0.1	40.8	23.3	1317	5.15	21.9	15.9	2.1	21	<0.1	1.3	<0.1	133	0.53	0.067	15
RHUD-03	Soil	1.4	91.8	7.9	70	<0.1	36.1	19.9	882	4.35	14.8	1.5	1.7	17	0.2	0.7	<0.1	122	0.32	0.037	6
RHUD-04	Soil	1.4	68.1	6.3	63	<0.1	39.9	19.3	993	4.46	12.9	2.0	1.8	19	0.2	0.6	<0.1	119	0.38	0.057	8
RHUD-05	Soil	1.1	71.8	7.0	67	0.1	30.1	23.4	1253	4.89	12.0	3.0	2.7	23	0.1	0.6	<0.1	150	0.57	0.044	12
RHUD-06	Soil	1.8	59.8	6.3	70	<0.1	34.9	19.9	754	4.48	14.7	1.2	1.2	11	0.3	0.6	<0.1	117	0.22	0.043	5
RHUD-07	Soil	2.9	50.5	5.9	66	<0.1	24.8	15.9	828	4.00	12.4	3.7	3.5	25	0.1	0.5	<0.1	106	0.65	0.087	12
RHUD-08	Soil	2.1	71.5	6.4	86	<0.1	31.5	19.4	516	4.22	28.3	1.5	2.3	24	0.3	0.6	<0.1	120	0.58	0.050	10
RHUD-09	Soil	2.5	155.0	11.5	71	<0.1	35.5	19.0	1123	4.27	15.3	2.0	2.6	18	0.2	0.8	<0.1	116	0.39	0.061	9
RHUD-010	Soil	3.1	37.1	12.0	103	<0.1	20.4	13.4	671	5.70	23.2	<0.5	1.7	11	0.6	0.7	0.1	154	0.15	0.084	7
RHUD-011	Soil	7.1	282.5	25.1	129	0.7	31.9	25.9	1267	4.73	54.1	7.3	2.4	41	1.1	2.3	0.2	109	1.12	0.073	33
RHUD-012	Soil	5.1	111.0	12.4	122	0.2	43.1	23.4	1500	4.30	52.1	5.4	2.8	33	0.4	1.5	0.1	101	0.94	0.067	18
RHUD-013	Soil	1.5	70.5	9.0	87	0.2	30.2	15.8	600	3.75	21.3	4.4	2.0	25	0.3	1.1	<0.1	95	0.61	0.079	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
LHUD-01	Soil	48	0.83	173	0.084	4	1.68	0.018	0.09	0.1	0.04	9.5	<0.1	<0.05	6	<0.5	<0.2
LHUD-02	Soil	43	0.67	150	0.078	4	1.46	0.020	0.07	0.1	0.18	10.7	0.1	<0.05	5	<0.5	<0.2
LHUD-03	Soil	44	0.69	176	0.079	3	1.61	0.016	0.07	<0.1	0.04	9.8	0.1	<0.05	5	<0.5	<0.2
LHUD-04	Soil	48	0.82	143	0.079	3	1.89	0.016	0.08	<0.1	0.02	9.2	<0.1	<0.05	6	<0.5	<0.2
LHUD-05	Soil	37	0.59	154	0.055	3	1.62	0.013	0.07	<0.1	0.03	6.8	0.1	<0.05	5	<0.5	<0.2
LHUD-06	Soil	44	0.75	237	0.085	4	1.74	0.020	0.10	0.1	0.04	10.7	0.1	<0.05	6	<0.5	<0.2
LHUD-07	Soil	40	0.66	180	0.069	3	2.03	0.013	0.07	0.1	0.02	6.0	<0.1	<0.05	5	<0.5	<0.2
LHUD-08	Soil	46	0.72	176	0.066	4	2.14	0.012	0.09	0.1	0.02	7.1	0.1	<0.05	8	<0.5	<0.2
LHUD-09	Soil	42	0.71	158	0.082	4	1.53	0.023	0.10	0.1	0.05	12.0	<0.1	<0.05	5	<0.5	<0.2
LHUD-010	Soil	28	1.79	136	0.123	3	3.08	0.061	0.09	0.2	0.05	13.8	<0.1	<0.05	11	2.9	0.6
LHUD-011	Soil	43	0.70	91	0.064	7	2.21	0.014	0.05	<0.1	0.06	15.0	0.2	<0.05	7	1.5	<0.2
LHUD-012	Soil	47	0.80	160	0.034	4	2.20	0.013	0.06	0.1	0.04	7.1	0.2	<0.05	6	0.9	<0.2
LHUD-013	Soil	49	0.78	85	0.079	5	1.51	0.016	0.08	0.1	0.07	8.2	0.1	<0.05	5	<0.5	<0.2
LHUD-014	Soil	48	0.85	227	0.177	6	1.89	0.043	0.10	0.1	0.04	8.6	0.1	<0.05	7	0.9	<0.2
LHUD-015	Soil	45	0.76	105	0.112	7	1.55	0.018	0.08	0.2	0.11	10.4	0.1	<0.05	6	1.1	<0.2
LHUD-016	Soil	45	0.84	78	0.102	3	2.16	0.008	0.06	0.2	0.02	5.3	0.2	<0.05	9	1.5	<0.2
LHUD-017	Soil	18	0.42	315	0.029	2	1.23	0.009	0.11	0.1	0.03	10.1	<0.1	<0.05	4	<0.5	<0.2
RHUD-01	Soil	49	0.94	185	0.073	4	2.36	0.017	0.09	0.1	0.06	14.1	0.1	<0.05	7	<0.5	<0.2
RHUD-02	Soil	49	0.85	162	0.074	4	2.33	0.014	0.08	0.1	0.03	13.0	0.2	<0.05	8	0.6	<0.2
RHUD-03	Soil	48	0.75	160	0.048	4	2.59	0.013	0.07	<0.1	0.03	7.3	0.1	<0.05	7	<0.5	<0.2
RHUD-04	Soil	46	0.80	175	0.078	3	2.25	0.013	0.07	0.1	0.02	7.2	0.1	<0.05	7	<0.5	<0.2
RHUD-05	Soil	40	1.06	127	0.103	4	2.24	0.015	0.06	<0.1	0.03	9.9	<0.1	<0.05	8	<0.5	<0.2
RHUD-06	Soil	43	0.66	129	0.051	4	2.42	0.011	0.07	<0.1	0.03	5.5	0.1	<0.05	7	<0.5	<0.2
RHUD-07	Soil	35	0.55	146	0.097	3	1.37	0.016	0.07	0.2	0.02	5.8	<0.1	<0.05	5	0.5	<0.2
RHUD-08	Soil	43	0.72	105	0.129	4	1.68	0.015	0.08	0.2	0.02	6.2	<0.1	<0.05	7	<0.5	<0.2
RHUD-09	Soil	41	0.65	130	0.056	4	2.03	0.013	0.07	<0.1	0.03	6.8	0.1	<0.05	5	0.6	<0.2
RHUD-010	Soil	41	0.50	99	0.159	2	1.85	0.009	0.06	0.2	0.02	4.4	<0.1	<0.05	13	<0.5	<0.2
RHUD-011	Soil	40	0.68	147	0.103	8	2.04	0.021	0.06	0.1	0.21	17.5	0.2	<0.05	7	1.0	<0.2
RHUD-012	Soil	46	0.79	194	0.180	5	1.96	0.026	0.08	<0.1	0.09	10.2	0.1	<0.05	7	0.8	<0.2
RHUD-013	Soil	44	0.66	124	0.079	4	1.39	0.018	0.06	0.1	0.08	8.8	<0.1	<0.05	4	<0.5	<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
RHUD-014	Soil	9.7	85.5	8.8	127	0.3	43.4	21.8	872	4.48	14.5	4.3	2.4	45	0.4	0.9	<0.1	94	0.95	0.073	18
RHUD-015	Soil	6.0	77.9	9.6	105	0.2	32.0	18.1	767	4.10	51.9	2.9	2.0	30	0.4	1.8	<0.1	108	0.73	0.095	11
RHUD-016	Soil	4.5	326.3	560.7	1747	2.3	50.4	116.6	1493	8.26	540.9	5.2	1.4	44	19.0	12.7	0.4	151	1.85	0.115	13
RHUD-017	Soil	3.2	156.4	126.7	383	0.6	43.8	50.6	1254	5.39	612.4	3.2	1.6	33	2.6	10.5	0.2	110	1.13	0.085	9
JULD-01	Soil	2.0	1323.0	18.5	125	0.8	20.7	26.5	2530	5.20	149.7	7.6	11.9	42	0.4	3.2	0.6	106	1.08	0.204	46
JULD-02	Soil	3.0	184.7	30.2	220	1.9	30.7	52.0	3777	5.25	251.1	4.1	5.3	39	0.8	4.2	0.3	91	0.84	0.135	41
JULD-03	Soil	3.4	309.7	18.3	122	0.4	35.6	50.0	3322	4.95	63.3	5.8	9.3	38	0.4	2.1	0.1	101	1.07	0.168	46
JULD-04	Soil	2.7	118.1	5.6	76	<0.1	20.2	19.0	2453	4.47	18.3	1.9	4.9	17	0.1	0.5	0.1	56	0.46	0.087	38
JULD-05	Soil	8.2	328.8	154.9	473	2.7	37.7	42.4	2594	9.57	906.5	6.6	5.3	20	1.2	22.3	0.5	80	0.27	0.109	25
JULD-06	Soil	2.9	361.2	14.1	121	0.3	11.4	22.2	2943	4.50	28.7	4.8	6.3	15	0.5	0.7	0.3	52	0.44	0.079	56
JULD-07	Soil	2.4	128.5	23.4	168	1.7	21.2	27.5	3244	4.56	59.0	5.2	4.8	25	0.8	1.1	0.3	50	0.41	0.097	40
JULD-08	Soil	1.4	103.0	24.2	214	0.5	47.0	31.6	2378	4.10	77.1	16.3	4.1	69	0.4	1.3	0.3	69	0.61	0.126	24
JULD-09	Soil	4.7	331.4	48.3	266	1.9	83.1	57.8	2961	5.80	457.7	6.3	5.7	42	0.8	5.1	1.2	82	0.65	0.130	55
JULD-010	Soil	11.0	404.4	75.3	572	3.1	124.2	146.1	3434	6.19	871.5	25.1	6.0	69	2.7	16.6	6.6	56	0.88	0.089	36
JULD-011	Soil	13.4	388.9	108.9	656	3.4	57.0	110.2	2925	5.04	609.8	14.9	6.6	121	2.9	20.2	6.7	73	1.27	0.135	46
JULD-012	Soil	1.3	99.4	8.6	84	0.1	53.7	21.0	832	3.80	33.3	3.7	2.8	29	0.3	0.8	0.2	85	0.49	0.124	18
WHUD-01	Soil	1.8	133.4	10.3	116	<0.1	43.5	26.9	1304	5.46	21.8	5.6	1.9	29	0.2	1.1	<0.1	140	0.63	0.067	9
WHUD-02	Soil	1.7	66.3	6.5	67	0.1	34.0	18.0	863	4.82	13.3	5.1	1.9	17	0.2	0.6	<0.1	131	0.22	0.039	6
WHUD-03	Soil	1.6	189.3	5.6	59	<0.1	33.9	15.3	818	4.01	15.3	3.9	2.0	28	0.1	0.8	<0.1	109	0.48	0.040	13
WHUD-04	Soil	2.0	125.2	5.9	74	0.2	38.9	16.2	769	4.21	16.8	3.6	1.8	33	0.2	0.7	<0.1	107	0.80	0.068	18
WHUD-05	Soil	1.2	53.5	5.1	58	<0.1	30.7	17.2	589	4.22	12.5	2.4	1.3	19	0.1	0.6	<0.1	119	0.39	0.056	7
WHUD-06	Soil	1.7	71.9	6.4	68	<0.1	28.4	16.0	1076	4.60	15.4	3.2	2.1	29	0.1	0.7	<0.1	121	0.68	0.078	11
WHUD-07	Soil	2.1	77.9	7.9	82	<0.1	25.5	16.4	798	3.93	13.3	2.3	1.8	37	0.3	0.7	<0.1	112	0.97	0.079	8
WHUD-08	Soil	1.4	55.0	5.4	59	<0.1	28.6	14.6	641	3.65	13.2	2.0	2.1	29	0.1	0.7	<0.1	102	0.66	0.076	8
WHUD-09	Soil	3.6	199.6	17.9	146	0.3	35.4	30.1	1109	5.38	124.1	6.3	3.1	33	0.8	3.8	0.2	122	1.14	0.090	23
WHUD-010	Soil	1.7	76.3	6.5	88	0.2	44.3	16.7	697	4.35	11.6	14.8	3.2	38	0.2	0.6	<0.1	96	0.76	0.071	20
WHUD-011	Soil	1.9	136.7	15.9	171	0.2	44.2	23.5	930	3.84	46.9	5.7	2.0	32	1.1	1.5	0.1	93	0.85	0.096	12
WHUD-012	Soil	1.6	113.4	8.7	89	0.2	40.0	27.5	953	4.19	32.6	4.3	3.1	45	0.3	1.1	0.1	111	1.92	0.096	12
WHUD-013	Soil	2.2	93.1	7.2	77	0.1	31.5	13.6	617	3.65	16.7	4.0	2.3	30	0.2	1.0	<0.1	104	0.80	0.099	11
WHUD-014	Soil	4.6	117.2	7.5	141	0.2	38.0	18.6	1040	3.89	15.1	2.9	2.2	49	0.5	0.8	<0.1	94	1.53	0.084	19

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

Project: None Given
Report Date: August 21, 2017

CERTIFICATE OF ANALYSIS VAN17001638.1

	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
RHUD-014	Soil	49	0.65	162	0.226	7	2.09	0.028	0.07	0.1	0.08	12.5	0.1	<0.05	8	<0.5	<0.2
RHUD-015	Soil	46	0.68	139	0.139	4	1.50	0.023	0.07	0.1	0.06	7.7	<0.1	<0.05	6	0.8	<0.2
RHUD-016	Soil	54	1.04	77	0.089	4	1.96	0.014	0.06	<0.1	0.24	10.2	0.2	<0.05	8	3.8	0.3
RHUD-017	Soil	45	0.90	89	0.126	5	1.96	0.016	0.07	0.1	0.16	9.2	0.1	<0.05	8	1.6	0.2
JULD-01	Soil	19	0.34	226	0.005	2	1.39	0.008	0.07	<0.1	0.02	15.1	<0.1	<0.05	5	<0.5	<0.2
JULD-02	Soil	22	0.64	313	0.039	4	1.55	0.015	0.08	<0.1	0.05	12.2	<0.1	<0.05	6	<0.5	<0.2
JULD-03	Soil	38	0.46	199	0.024	4	1.31	0.014	0.07	<0.1	0.02	14.8	<0.1	<0.05	5	<0.5	<0.2
JULD-04	Soil	26	0.45	414	0.023	2	1.38	0.012	0.12	<0.1	0.02	8.1	<0.1	<0.05	4	<0.5	<0.2
JULD-05	Soil	23	0.49	198	0.030	2	1.65	0.016	0.08	0.2	0.05	11.7	0.1	0.16	5	4.2	<0.2
JULD-06	Soil	9	0.25	463	0.013	2	0.80	0.012	0.11	<0.1	0.04	6.3	<0.1	<0.05	3	0.5	<0.2
JULD-07	Soil	16	0.46	404	0.031	2	1.35	0.015	0.11	0.1	0.04	6.1	<0.1	<0.05	4	<0.5	<0.2
JULD-08	Soil	36	0.96	119	0.196	3	2.17	0.046	0.09	0.2	0.03	6.3	<0.1	<0.05	8	<0.5	<0.2
JULD-09	Soil	52	1.15	157	0.058	3	2.12	0.016	0.09	0.2	0.06	13.6	0.1	<0.05	7	<0.5	<0.2
JULD-010	Soil	10	0.64	131	0.015	13	1.33	0.018	0.10	0.3	0.02	8.4	0.1	0.05	5	<0.5	0.2
JULD-011	Soil	18	0.70	70	0.031	7	1.62	0.018	0.08	0.9	0.07	9.6	<0.1	<0.05	6	<0.5	<0.2
JULD-012	Soil	72	1.06	112	0.140	3	1.81	0.028	0.15	0.5	0.02	5.6	<0.1	<0.05	6	<0.5	<0.2
WHUD-01	Soil	41	1.06	117	0.135	6	3.07	0.022	0.08	0.1	0.06	9.4	0.1	<0.05	10	<0.5	<0.2
WHUD-02	Soil	48	0.76	157	0.072	4	2.67	0.017	0.07	<0.1	0.02	6.4	<0.1	<0.05	7	<0.5	<0.2
WHUD-03	Soil	48	0.72	100	0.068	3	1.97	0.017	0.07	0.1	0.03	10.2	0.1	<0.05	6	0.6	<0.2
WHUD-04	Soil	48	0.71	146	0.104	4	2.12	0.020	0.07	<0.1	0.08	13.3	0.1	<0.05	7	<0.5	<0.2
WHUD-05	Soil	36	0.77	123	0.063	4	2.13	0.013	0.06	0.1	0.02	6.7	<0.1	<0.05	6	<0.5	<0.2
WHUD-06	Soil	34	0.81	168	0.078	3	1.70	0.019	0.07	0.1	0.04	9.7	<0.1	<0.05	6	<0.5	<0.2
WHUD-07	Soil	36	0.78	125	0.085	5	1.61	0.024	0.07	<0.1	0.04	8.9	0.1	<0.05	6	<0.5	<0.2
WHUD-08	Soil	38	0.64	111	0.098	4	1.43	0.016	0.07	0.1	0.02	6.8	<0.1	<0.05	5	<0.5	<0.2
WHUD-09	Soil	41	0.91	134	0.093	7	1.81	0.025	0.12	0.1	0.09	13.4	<0.1	<0.05	7	1.2	<0.2
WHUD-010	Soil	44	0.81	285	0.179	4	2.19	0.030	0.09	<0.1	0.07	11.0	<0.1	<0.05	7	<0.5	<0.2
WHUD-011	Soil	54	0.96	102	0.098	6	1.41	0.023	0.08	0.2	0.05	8.4	<0.1	<0.05	5	<0.5	<0.2
WHUD-012	Soil	45	0.89	139	0.094	5	1.56	0.027	0.13	<0.1	0.07	10.8	0.1	<0.05	6	<0.5	<0.2
WHUD-013	Soil	47	0.73	101	0.103	5	1.40	0.026	0.08	0.1	0.05	8.7	<0.1	<0.05	5	0.7	<0.2
WHUD-014	Soil	39	0.60	169	0.172	9	1.81	0.029	0.07	0.1	0.12	9.0	<0.1	0.07	7	1.0	<0.2

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Project: None Given
Report Date: August 21, 2017

CERTIFICATE OF ANALYSIS VAN17001638.1

	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
WHUD-015	Soil	4.7	300.4	10.6	161	0.3	42.0	19.5	989	4.07	23.1	3.1	2.0	57	0.8	1.5	<0.1	103	1.34	0.103	17
WHUD-016	Soil	2.7	213.5	51.5	275	0.7	40.4	20.2	929	3.59	47.1	2.5	1.6	52	1.5	3.1	<0.1	94	1.45	0.080	13
WHUD-017	Soil	2.6	117.5	11.9	126	0.2	40.5	17.5	694	4.05	30.5	2.9	1.9	37	0.3	1.6	<0.1	104	1.07	0.077	10
WLD-01	Soil	1.3	60.5	10.4	84	<0.1	15.3	20.6	1442	4.81	27.3	1.2	11.9	68	0.1	0.6	<0.1	117	1.35	0.270	38
WLD-02	Soil	1.0	269.6	11.1	88	<0.1	21.4	28.9	2310	5.09	29.4	6.9	8.0	43	0.1	1.2	0.1	113	1.10	0.196	40
WLD-03	Soil	8.1	600.2	26.1	191	1.0	63.2	88.1	3262	4.27	252.9	4.1	6.1	15	0.9	2.3	1.7	44	0.42	0.104	31
WLD-04	Soil	4.2	269.8	13.8	110	0.3	26.5	25.2	3177	4.61	29.1	5.9	3.2	20	0.4	0.5	0.5	59	0.57	0.088	40
WLD-05	Soil	3.9	156.9	4.8	47	0.1	19.0	13.0	2726	4.03	12.7	5.2	2.8	24	0.1	0.3	0.5	48	0.51	0.129	39
WLD-06	Soil	2.8	127.5	13.8	125	0.2	56.4	23.6	1573	4.69	20.3	6.4	4.3	57	0.3	0.6	0.2	85	0.38	0.157	22
WLD-07	Soil	4.2	147.1	4.8	46	0.1	19.6	13.4	4759	4.46	11.9	3.3	2.8	21	0.1	0.4	0.3	53	0.49	0.104	51
WLD-08	Soil	5.2	181.8	32.9	159	1.4	41.9	74.8	2902	5.33	287.0	3.5	8.8	26	0.8	3.8	0.3	109	0.62	0.120	46
WLD-09	Soil	3.1	72.9	13.6	112	0.4	21.6	24.3	3394	4.88	84.2	1.5	7.3	15	0.4	1.6	0.2	62	0.41	0.090	42
WLD-010	Soil	8.0	4615.8	41.5	386	6.0	85.5	199.4	3388	6.41	846.8	28.7	13.1	45	1.5	6.8	0.7	107	1.32	0.211	57
WLD-011	Soil	11.2	166.1	49.9	525	0.8	90.1	46.9	2982	7.41	266.1	4.8	4.7	153	2.9	1.9	0.4	48	2.52	0.151	36
WLD-012	Soil	3.4	197.0	178.6	1167	33.3	77.8	53.8	1594	5.20	369.7	17.0	3.4	91	4.4	11.1	0.2	68	1.44	0.116	20
WLD-013	Soil	4.1	159.9	57.8	585	1.4	51.8	29.1	2209	5.56	277.5	6.0	2.7	104	2.6	5.4	0.3	58	1.44	0.135	25
WLD-014	Soil	9.0	629.4	167.8	1107	55.0	53.5	284.1	3004	5.31	1099.4	8.0	2.9	95	6.3	48.4	0.5	62	1.14	0.126	27
WLD-015	Soil	10.0	1684.8	543.5	3258	96.0	133.4	539.0	4904	7.08	3529.1	5.3	3.6	92	15.1	170.3	0.9	62	1.57	0.119	33
WLD-016	Soil	4.1	259.5	33.3	248	1.3	24.7	43.5	3546	5.13	128.8	2.2	4.5	32	1.5	3.1	0.4	97	0.65	0.092	30
WLD-017	Soil	10.3	405.6	40.8	347	1.8	113.7	156.9	4327	5.18	457.3	7.3	5.1	34	1.5	11.5	3.7	62	0.67	0.081	38

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Project: None Given
Report Date: August 21, 2017

CERTIFICATE OF ANALYSIS VAN17001638.1

	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
WHUD-015	Soil	47	0.70	190	0.127	12	1.60	0.027	0.09	0.1	0.11	11.0	0.1	0.05	6	0.8	<0.2
WHUD-016	Soil	44	0.70	138	0.128	7	1.70	0.027	0.07	<0.1	0.13	9.4	0.1	<0.05	6	2.1	<0.2
WHUD-017	Soil	47	0.75	106	0.119	5	1.72	0.026	0.07	0.1	0.10	10.9	0.1	<0.05	6	0.5	<0.2
WLD-01	Soil	9	0.33	150	0.002	3	1.72	0.005	0.01	<0.1	<0.01	12.4	<0.1	<0.05	6	<0.5	<0.2
WLD-02	Soil	21	0.26	223	0.003	1	1.74	0.014	0.04	<0.1	0.02	14.6	<0.1	<0.05	6	<0.5	<0.2
WLD-03	Soil	14	0.23	241	0.018	3	0.85	0.007	0.09	0.1	0.02	7.4	0.1	<0.05	3	<0.5	<0.2
WLD-04	Soil	23	0.55	349	0.031	3	1.86	0.010	0.12	0.2	0.05	9.0	<0.1	<0.05	6	<0.5	<0.2
WLD-05	Soil	18	0.39	316	0.024	2	1.51	0.010	0.16	<0.1	0.03	6.9	<0.1	<0.05	4	<0.5	<0.2
WLD-06	Soil	47	1.14	159	0.159	3	2.66	0.043	0.10	0.1	0.03	6.3	0.1	<0.05	9	<0.5	<0.2
WLD-07	Soil	18	0.37	410	0.022	3	1.47	0.011	0.15	0.1	0.04	7.2	<0.1	<0.05	4	<0.5	<0.2
WLD-08	Soil	42	0.49	214	0.037	3	1.44	0.018	0.11	<0.1	0.04	12.8	<0.1	<0.05	6	<0.5	<0.2
WLD-09	Soil	18	0.43	310	0.028	2	1.38	0.010	0.13	<0.1	0.03	10.8	<0.1	<0.05	4	<0.5	<0.2
WLD-010	Soil	40	0.48	120	0.021	6	2.06	0.016	0.07	0.1	0.03	15.1	0.1	<0.05	7	<0.5	<0.2
WLD-011	Soil	10	0.22	155	0.049	13	3.00	0.149	0.07	0.2	0.03	5.3	0.4	<0.05	7	3.1	<0.2
WLD-012	Soil	40	0.80	91	0.129	10	2.36	0.072	0.08	0.3	0.12	6.3	0.2	<0.05	7	1.0	<0.2
WLD-013	Soil	25	0.69	114	0.072	16	2.13	0.058	0.07	0.2	0.05	5.7	0.3	<0.05	6	0.8	<0.2
WLD-014	Soil	18	0.73	100	0.064	49	1.97	0.041	0.08	0.3	0.22	7.3	0.3	<0.05	7	1.2	<0.2
WLD-015	Soil	14	0.47	84	0.047	22	1.70	0.053	0.08	0.3	0.69	8.8	0.5	0.07	5	1.4	<0.2
WLD-016	Soil	11	0.35	346	0.019	4	1.22	0.021	0.14	0.1	0.04	12.4	<0.1	<0.05	4	<0.5	<0.2
WLD-017	Soil	15	0.56	381	0.022	8	1.37	0.016	0.11	0.3	0.05	8.6	0.1	<0.05	5	<0.5	<0.2

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Project: None Given
Report Date: August 21, 2017

QUALITY CONTROL REPORT VAN17001638.1

	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																					
LHUD-016	Soil	6.4	155.7	12.7	119	<0.1	56.5	54.3	813	7.15	77.2	1.3	1.3	14	0.7	2.6	0.2	131	0.79	0.039	5
REP LHUD-016	QC	6.0	159.6	13.0	119	<0.1	56.9	55.2	816	7.13	77.6	8.7	1.3	14	0.8	2.5	0.2	130	0.78	0.038	5
WHUD-06	Soil	1.7	71.9	6.4	68	<0.1	28.4	16.0	1076	4.60	15.4	3.2	2.1	29	0.1	0.7	<0.1	121	0.68	0.078	11
REP WHUD-06	QC	1.6	69.9	6.4	69	<0.1	27.7	16.4	996	4.49	16.3	4.4	2.1	28	0.1	0.8	<0.1	128	0.65	0.080	11
WLD-015	Soil	10.0	1684.8	543.5	3258	96.0	133.4	539.0	4904	7.08	3529.1	5.3	3.6	92	15.1	170.3	0.9	62	1.57	0.119	33
REP WLD-015	QC	9.8	1692.2	548.1	3206	96.5	133.4	530.0	4909	7.11	3506.2	5.7	3.6	94	15.5	170.2	1.0	60	1.51	0.122	33
Reference Materials																					
STD DS11	Standard	14.3	155.3	135.3	319	1.7	78.9	13.5	1004	3.03	40.8	72.8	7.2	55	2.1	7.7	9.8	49	1.00	0.066	17
STD DS11	Standard	13.4	152.6	128.4	336	1.7	76.5	14.0	1042	3.12	44.9	75.9	7.4	66	2.3	8.8	11.6	51	1.06	0.073	18
STD DS11	Standard	14.3	154.3	137.0	330	1.5	81.1	13.8	992	3.11	43.1	72.2	7.7	55	2.3	7.6	9.3	53	1.01	0.068	18
STD OXC129	Standard	1.2	26.8	5.9	38	<0.1	80.3	20.8	413	2.98	0.7	188.2	1.7	170	<0.1	<0.1	<0.1	55	0.61	0.096	11
STD OXC129	Standard	1.2	27.8	5.8	40	<0.1	81.9	21.3	429	3.18	0.8	218.8	1.6	187	<0.1	<0.1	<0.1	54	0.66	0.103	13
STD OXC129	Standard	1.2	28.0	6.0	40	<0.1	87.5	22.3	439	3.19	1.3	196.6	1.8	200	<0.1	<0.1	<0.1	58	0.75	0.097	11
STD OXC129 Expected		1.3	28	6.3	42.9		79.5	20.3	421	3.065	0.6	195	1.9					51	0.665	0.102	13
STD DS11 Expected		14.6	156	138	345	1.71	81.9	14.2	1055	3.2082	42.8	79	7.65	67.3	2.37	8.74	12.2	50	1.063	0.0701	18.6
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
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	2	<0.01	<0.001	<1

BUREAU VERITAS MINERAL LABORATORIES Canada

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Bureau Veritas Commodities Canada Ltd.
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Client: **Kreft, Bernie**
1 Locust Place
Whitehorse Yukon Y1A 5G9 Canada

Project: None Given
Report Date: August 21, 2017

QUALITY CONTROL REPORT VAN17001638.1

	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																	
LHUD-016	Soil	45	0.84	78	0.102	3	2.16	0.008	0.06	0.2	0.02	5.3	0.2	<0.05	9	1.5	<0.2
REP LHUD-016	QC	45	0.81	75	0.103	3	2.12	0.009	0.06	0.2	0.02	5.4	0.2	<0.05	9	1.1	<0.2
WHUD-06	Soil	34	0.81	168	0.078	3	1.70	0.019	0.07	0.1	0.04	9.7	<0.1	<0.05	6	<0.5	<0.2
REP WHUD-06	QC	34	0.79	170	0.078	4	1.73	0.022	0.07	0.1	0.03	9.7	0.1	<0.05	6	<0.5	<0.2
WLD-015	Soil	14	0.47	84	0.047	22	1.70	0.053	0.08	0.3	0.69	8.8	0.5	0.07	5	1.4	<0.2
REP WLD-015	QC	14	0.47	82	0.048	22	1.73	0.054	0.08	0.2	0.68	8.7	0.5	0.06	5	1.2	<0.2
Reference Materials																	
STD DS11	Standard	60	0.83	372	0.079	7	1.09	0.068	0.37	3.0	0.26	3.0	4.7	0.26	5	2.1	4.9
STD DS11	Standard	62	0.83	349	0.095	8	1.12	0.072	0.40	3.1	0.25	3.2	4.6	0.27	5	1.4	4.9
STD DS11	Standard	61	0.83	362	0.080	7	1.16	0.075	0.38	2.8	0.25	3.5	4.7	0.27	5	2.2	4.7
STD OXC129	Standard	52	1.52	48	0.397	1	1.43	0.546	0.33	<0.1	<0.01	0.8	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	55	1.62	51	0.410	1	1.54	0.595	0.37	<0.1	<0.01	0.6	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	57	1.53	52	0.395	<1	1.59	0.572	0.36	<0.1	<0.01	1.0	<0.1	<0.05	6	<0.5	<0.2
STD OXC129 Expected		52	1.545	50	0.4	1	1.58	0.6	0.37			1.1			5.6		
STD DS11 Expected		61.5	0.85	385	0.0976		1.1795	0.0762	0.4	2.9	0.3	3.4	4.9	0.2835	5.1	1.9	4.56
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

BUREAU VERITAS MINERAL LABORATORIES Canada

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

Submitted By: Bernie Kreft
Receiving Lab: Canada-Vancouver
Received: August 03, 2017
Report Date: August 24, 2017
Page: 1 of 6

CERTIFICATE OF ANALYSIS VAN17001639.1

CLIENT JOB INFORMATION

Project: None Given
Shipment ID:
P.O. Number
Number of Samples: 123

SAMPLE DISPOSAL

RTRN-PLP Return After 90 days

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
VA475	123	Vegetation Ashing at 475	50		VAN
Split Ash from VA47	123	Analysis sample split/packet			VAN
SVRJT	121	Save all or part of Soil Reject			VAN
AQ200	123	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN
DRPLP	123	Warehouse handling / disposition of pulps			VAN
DRRJT	121	Warehouse handling / Disposition of reject			VAN

ADDITIONAL COMMENTS

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

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

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Production Manager

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

Project: None Given
Report Date: August 24, 2017

CERTIFICATE OF ANALYSIS VAN17001639.1

	Method	VA475	VA475	VA475	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Analyte	Rec. Wt	Ash Wt	shed Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V
	Unit	g	g	g	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.001	0.001	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
EHUB-01	Vegetation		50.410	1.778	2.4	56.3	2.7	1036	0.6	29.7	6.2	>10000	0.15	0.5	2.9	<0.1	531	3.3	<0.1	<0.1	11
EHUB-02	Vegetation		50.254	1.715	1.5	77.3	2.8	1265	0.1	38.9	9.4	>10000	0.14	0.8	1.3	<0.1	452	1.4	<0.1	<0.1	12
OVEN STD-2	Vegetation		31.926	0.921	2.2	38.3	7.6	1254	0.7	11.9	0.8	>10000	0.48	2.7	1.0	0.6	477	0.2	1.1	0.1	13
EHUB-03	Vegetation		50.691	1.647	1.8	81.8	2.6	1244	0.1	32.5	5.8	>10000	0.18	2.1	2.5	<0.1	275	4.9	<0.1	<0.1	7
EHUB-04	Vegetation		50.173	1.677	0.9	80.1	2.9	1180	0.1	16.6	4.1	>10000	0.19	0.6	0.9	<0.1	142	4.9	<0.1	<0.1	8
EHUB-05	Vegetation		50.542	1.363	2.8	65.9	4.7	987	<0.1	36.2	8.0	>10000	0.24	1.0	3.2	0.1	367	1.9	0.1	<0.1	14
RHUB-01	Vegetation		50.425	1.444	1.0	71.7	3.0	745	<0.1	43.9	7.6	>10000	0.21	0.7	1.3	<0.1	266	1.2	<0.1	<0.1	14
RHUB-02	Vegetation		50.687	1.953	0.8	53.6	1.7	1316	<0.1	45.0	3.2	>10000	0.20	0.6	1.1	<0.1	483	7.5	<0.1	<0.1	5
RHUB-03	Vegetation		50.639	1.454	3.5	79.0	3.0	1191	0.2	38.6	20.6	>10000	0.21	0.7	1.4	<0.1	289	10.9	<0.1	<0.1	12
RHUB-04	Vegetation		50.460	1.770	2.1	67.1	3.0	717	0.3	37.8	5.6	>10000	0.15	0.8	1.3	<0.1	272	2.5	<0.1	<0.1	11
RHUB-05	Vegetation		50.126	1.733	1.0	82.8	2.7	944	0.2	29.1	4.9	>10000	0.18	<0.5	1.7	<0.1	241	4.2	<0.1	<0.1	14
RHUB-06	Vegetation		50.536	1.625	1.4	76.1	3.9	890	<0.1	34.6	5.3	>10000	0.19	0.7	1.3	<0.1	208	3.5	<0.1	<0.1	13
RHUB-07	Vegetation		50.286	1.477	2.0	76.3	2.9	1030	0.1	47.0	8.5	>10000	0.20	<0.5	0.9	<0.1	224	2.2	<0.1	<0.1	8
RHUB-08	Vegetation		50.312	1.395	1.0	83.3	4.1	643	<0.1	28.8	13.8	>10000	0.20	<0.5	0.9	<0.1	390	3.0	<0.1	<0.1	13
WHUB-01	Vegetation		50.695	1.936	0.9	56.8	19.6	956	<0.1	39.2	10.5	>10000	0.19	<0.5	1.1	<0.1	413	4.6	<0.1	<0.1	14
WHUB-02	Vegetation		49.735	1.329	2.9	64.6	4.0	954	0.1	36.8	7.8	>10000	0.26	2.5	3.5	<0.1	395	1.8	0.1	<0.1	15
WHUB-03	Vegetation		50.807	1.649	1.2	81.6	3.6	985	0.2	23.6	6.8	>10000	0.24	0.7	1.6	<0.1	252	2.3	<0.1	<0.1	12
WHUB-04	Vegetation		50.698	1.713	1.0	69.3	2.9	833	0.1	26.7	6.9	>10000	0.23	0.8	1.1	<0.1	295	1.1	<0.1	<0.1	10
WHUB-05	Vegetation		50.192	1.603	1.1	76.4	2.4	754	0.3	21.8	5.1	>10000	0.15	0.6	1.1	<0.1	266	0.7	<0.1	<0.1	12
WHUB-06	Vegetation		50.627	1.539	1.1	66.2	2.7	910	<0.1	55.4	8.9	>10000	0.15	<0.5	1.3	<0.1	384	1.7	<0.1	<0.1	10
WHUB-07	Vegetation		50.770	1.230	2.1	89.8	5.5	1213	0.1	15.8	4.1	>10000	0.24	0.6	1.9	<0.1	276	2.7	0.1	<0.1	14
WHUB-08	Vegetation		50.743	1.453	1.5	98.1	4.2	921	<0.1	24.1	4.5	>10000	0.23	0.7	1.3	<0.1	333	1.3	<0.1	<0.1	14
WHUB-09	Vegetation		50.319	1.292	2.2	78.8	4.7	1070	<0.1	32.3	13.0	>10000	0.19	<0.5	2.6	<0.1	521	2.5	<0.1	<0.1	14
WHB-01	Vegetation		50.620	1.489	1.8	80.1	5.2	986	0.1	54.2	5.7	>10000	0.25	0.8	2.6	<0.1	403	0.8	0.2	<0.1	14
WHB-02	Vegetation		50.189	1.473	2.0	99.6	3.3	972	0.2	55.8	5.1	>10000	0.17	<0.5	3.2	<0.1	348	0.6	<0.1	<0.1	12
WHB-03	Vegetation		50.527	1.320	2.2	95.3	4.1	875	0.2	50.8	5.0	>10000	0.21	0.6	2.9	<0.1	305	0.5	0.1	<0.1	13
WHB-04	Vegetation		50.730	1.440	1.8	74.6	3.7	1006	0.4	60.0	4.3	>10000	0.22	0.9	5.4	<0.1	365	0.7	0.1	<0.1	14
WHB-05	Vegetation		50.828	1.474	1.0	85.2	8.5	971	0.2	53.1	4.3	>10000	0.29	0.8	8.2	0.1	405	0.8	0.2	<0.1	15
WHB-06	Vegetation		50.478	1.182	1.4	97.5	6.5	809	0.3	79.8	3.8	>10000	0.24	0.7	2.2	0.1	295	0.5	0.1	<0.1	13
WHB-07	Vegetation		50.900	1.508	1.8	80.7	3.6	1171	0.2	44.4	3.9	>10000	0.17	<0.5	15.5	<0.1	350	0.3	0.1	<0.1	14

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Client: **Kreft, Bernie**
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Project: None Given
Report Date: August 24, 2017

CERTIFICATE OF ANALYSIS VAN17001639.1

	Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Analyte	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
	MDL	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
EHUB-01	Vegetation	24.09	3.909	<1	1	2.54	1331	0.017	138	0.49	0.036	>10	<0.1	<0.01	1.1	1.4	0.58	<1	<0.5	<0.2
EHUB-02	Vegetation	18.36	>5	<1	1	2.89	1656	0.022	163	0.68	0.037	>10	0.1	0.01	1.1	0.6	0.56	<1	<0.5	<0.2
OVEN STD-2	Vegetation	24.17	2.482	1	9	1.87	1220	0.011	299	0.12	0.078	9.44	1.0	<0.01	1.4	0.7	0.76	<1	<0.5	<0.2
EHUB-03	Vegetation	17.91	>5	<1	1	1.75	1287	0.020	190	0.77	0.033	>10	<0.1	0.01	0.9	1.0	0.50	<1	<0.5	<0.2
EHUB-04	Vegetation	19.25	>5	<1	1	1.49	1065	0.021	199	0.21	0.044	>10	<0.1	<0.01	0.8	0.7	0.50	1	<0.5	<0.2
EHUB-05	Vegetation	20.37	4.077	<1	2	3.46	228	0.019	152	0.60	0.050	>10	<0.1	<0.01	1.2	1.2	0.69	1	<0.5	<0.2
RHUB-01	Vegetation	18.32	>5	<1	2	2.79	257	0.023	223	0.69	0.056	>10	<0.1	<0.01	1.0	1.0	0.79	<1	<0.5	<0.2
RHUB-02	Vegetation	23.87	2.574	<1	1	2.09	295	0.012	90	0.58	0.036	8.77	<0.1	<0.01	0.9	1.1	0.35	<1	<0.5	<0.2
RHUB-03	Vegetation	18.12	4.333	<1	2	2.32	1784	0.018	186	0.83	0.054	>10	<0.1	<0.01	1.0	0.7	0.37	1	<0.5	<0.2
RHUB-04	Vegetation	23.30	4.231	<1	1	2.55	1540	0.018	226	0.41	0.051	>10	<0.1	<0.01	0.9	0.9	0.47	1	<0.5	<0.2
RHUB-05	Vegetation	19.95	>5	<1	1	2.81	406	0.024	367	0.40	0.033	>10	<0.1	<0.01	1.0	0.5	0.41	1	<0.5	<0.2
RHUB-06	Vegetation	19.61	>5	<1	2	2.71	1288	0.022	256	0.28	0.070	>10	<0.1	<0.01	0.9	0.6	0.36	1	<0.5	<0.2
RHUB-07	Vegetation	18.14	4.886	<1	2	2.40	1204	0.021	371	0.45	0.055	>10	<0.1	<0.01	0.9	0.5	0.62	1	<0.5	<0.2
RHUB-08	Vegetation	21.19	4.546	<1	2	2.11	2087	0.021	312	0.34	0.074	>10	<0.1	<0.01	1.2	0.5	0.43	1	<0.5	<0.2
WHUB-01	Vegetation	27.20	2.920	<1	2	2.89	348	0.014	121	0.34	0.041	7.48	<0.1	<0.01	1.2	0.6	0.36	<1	<0.5	<0.2
WHUB-02	Vegetation	21.33	4.093	<1	2	3.71	258	0.020	150	0.63	0.065	>10	<0.1	<0.01	1.2	0.8	0.70	1	<0.5	<0.2
WHUB-03	Vegetation	19.40	>5	<1	2	2.46	1217	0.025	251	0.61	0.064	>10	<0.1	<0.01	1.2	0.3	0.43	<1	<0.5	<0.2
WHUB-04	Vegetation	22.00	4.066	<1	2	1.92	453	0.020	244	0.41	0.066	>10	<0.1	<0.01	1.2	0.8	0.41	<1	<0.5	<0.2
WHUB-05	Vegetation	20.75	4.230	<1	1	2.66	1484	0.017	278	0.32	0.076	>10	<0.1	<0.01	0.9	0.3	0.37	1	<0.5	<0.2
WHUB-06	Vegetation	23.18	3.923	<1	1	1.65	1208	0.017	150	1.07	0.063	>10	<0.1	<0.01	0.9	0.4	0.44	<1	<0.5	<0.2
WHUB-07	Vegetation	18.89	>5	<1	2	1.85	1488	0.026	275	0.29	0.090	>10	<0.1	<0.01	1.1	0.3	0.55	1	0.8	<0.2
WHUB-08	Vegetation	22.79	>5	<1	2	1.88	1069	0.025	310	0.25	0.104	>10	<0.1	<0.01	1.2	0.6	0.42	1	<0.5	<0.2
WHUB-09	Vegetation	21.49	4.778	<1	1	2.76	2063	0.020	265	0.83	0.095	>10	<0.1	<0.01	1.0	0.7	0.45	<1	<0.5	<0.2
WHB-01	Vegetation	20.38	>5	<1	2	2.26	1135	0.023	230	0.97	0.055	>10	<0.1	<0.01	1.3	0.5	0.54	1	0.6	<0.2
WHB-02	Vegetation	18.98	4.984	<1	1	2.36	1183	0.021	191	0.50	0.086	>10	<0.1	<0.01	1.2	0.3	0.53	1	<0.5	<0.2
WHB-03	Vegetation	16.15	>5	<1	2	2.37	248	0.025	222	0.63	0.102	>10	<0.1	<0.01	1.1	<0.1	0.79	1	<0.5	<0.2
WHB-04	Vegetation	21.21	4.325	<1	2	2.55	1187	0.019	229	0.96	0.078	>10	<0.1	<0.01	1.3	0.2	0.68	1	0.6	<0.2
WHB-05	Vegetation	19.53	4.867	<1	3	2.09	1139	0.025	246	0.77	0.083	>10	<0.1	<0.01	1.4	0.3	0.55	1	0.8	<0.2
WHB-06	Vegetation	16.30	>5	<1	2	3.54	693	0.027	224	1.19	0.113	>10	<0.1	<0.01	1.2	0.1	0.49	1	0.7	<0.2
WHB-07	Vegetation	20.77	>5	<1	1	3.17	938	0.020	165	0.34	0.098	>10	<0.1	<0.01	1.0	0.4	0.52	<1	0.6	<0.2

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Project: None Given
Report Date: August 24, 2017

CERTIFICATE OF ANALYSIS VAN17001639.1

	Method	VA475	VA475	VA475	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Analyte	Rec. Wt	Ash Wt	shed Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V
	Unit	g	g	g	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.001	0.001	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
WHB-08	Vegetation		50.548	1.267	1.7	83.5	5.7	980	0.5	74.5	6.3	>10000	0.27	0.9	4.0	<0.1	425	1.5	0.1	<0.1	14
WHB-09	Vegetation		50.628	1.181	1.7	87.0	4.1	981	0.1	75.2	5.4	>10000	0.22	0.6	5.4	<0.1	405	0.6	0.1	<0.1	13
WHB-10	Vegetation		50.338	1.496	2.7	71.8	3.4	1402	0.1	11.2	1.9	>10000	0.16	0.7	2.8	<0.1	290	1.4	0.1	<0.1	11
WHB-11	Vegetation		50.362	1.366	1.6	99.7	3.3	1610	0.2	35.9	10.4	>10000	0.20	0.7	4.3	<0.1	411	2.7	0.1	<0.1	12
WHB-12	Vegetation		50.808	1.778	0.6	101.6	1.6	1538	0.3	41.5	2.3	8374	0.09	<0.5	1.7	<0.1	628	0.3	<0.1	<0.1	5
WHB-13	Vegetation		50.439	1.532	1.2	114.9	4.0	1343	<0.1	58.1	13.5	>10000	0.20	0.8	2.2	<0.1	514	1.3	0.1	<0.1	13
WHB-14	Vegetation		50.413	1.604	1.3	96.0	22.8	941	0.1	26.9	4.5	>10000	0.25	0.9	1.1	0.1	357	1.9	0.2	<0.1	10
WHB-15	Vegetation		50.714	1.358	1.5	106.5	3.9	1823	0.1	35.6	8.6	>10000	0.25	1.0	6.8	<0.1	329	3.7	0.1	<0.1	9
WHB-16	Vegetation		50.887	1.817	1.6	75.3	4.9	1829	0.1	28.7	8.0	>10000	0.20	0.5	195.9	<0.1	646	12.3	<0.1	<0.1	8
WHB-17	Vegetation		50.561	1.608	2.1	97.5	1.8	1297	<0.1	24.2	3.4	>10000	0.13	0.7	2.0	<0.1	580	3.1	<0.1	<0.1	8
WHB-18	Vegetation		50.544	1.815	2.3	77.1	1.9	1609	<0.1	24.1	10.0	>10000	0.17	0.5	1.0	<0.1	634	4.0	<0.1	<0.1	10
WHB-19	Vegetation		50.661	2.526	1.5	57.9	1.5	1442	0.1	29.5	5.4	>10000	0.14	<0.5	1.8	<0.1	761	6.4	<0.1	<0.1	10
WHB-20	Vegetation		50.575	1.745	2.0	104.3	1.9	1545	0.1	36.2	5.2	>10000	0.16	0.5	1.7	<0.1	549	6.1	<0.1	<0.1	9
WHB-21	Vegetation		50.948	1.897	0.4	70.0	1.1	1350	<0.1	28.2	2.2	6753	0.07	<0.5	<0.5	<0.1	724	0.8	<0.1	<0.1	2
WHB-22	Vegetation		50.713	1.686	6.8	98.9	12.0	1650	<0.1	20.7	3.4	>10000	0.13	0.6	2.2	<0.1	426	7.4	<0.1	<0.1	8
WHB-23	Vegetation		50.366	1.681	0.8	114.4	3.7	1679	0.1	39.0	1.9	8322	0.08	0.6	<0.5	<0.1	551	0.7	<0.1	<0.1	3
WHB-24	Vegetation		50.616	1.372	1.0	98.9	7.1	1259	0.2	22.5	7.4	>10000	0.23	0.8	26.1	<0.1	555	2.5	<0.1	<0.1	10
WHB-25	Vegetation		50.554	1.591	1.6	94.9	3.0	1089	<0.1	48.5	5.4	>10000	0.16	0.6	5.5	<0.1	633	3.5	<0.1	<0.1	10
LHUB-01	Vegetation		50.911	1.418	3.1	95.1	3.6	826	0.3	44.6	8.9	>10000	0.22	1.1	1.0	<0.1	452	13.3	<0.1	<0.1	9
LHUB-02	Vegetation		50.891	1.734	2.4	59.7	2.9	609	<0.1	13.4	7.6	>10000	0.22	0.9	0.9	<0.1	529	2.3	<0.1	<0.1	10
LHUB-03	Vegetation		50.465	1.929	1.3	63.5	3.8	750	0.1	32.8	7.6	>10000	0.14	0.8	2.0	<0.1	431	3.8	<0.1	<0.1	8
LHUB-04	Vegetation		50.387	1.179	1.3	88.5	8.2	724	0.6	31.0	5.2	>10000	0.26	0.9	4.3	0.1	289	0.7	0.1	<0.1	13
LHUB-05	Vegetation		50.907	1.447	1.2	81.6	3.8	1026	0.2	25.1	7.9	>10000	0.25	1.3	1.9	<0.1	380	2.8	<0.1	<0.1	12
LHUB-06	Vegetation		50.479	1.549	1.1	70.3	2.9	702	0.1	28.3	8.6	>10000	0.21	0.6	2.2	<0.1	562	1.3	<0.1	<0.1	11
LHUB-07	Vegetation		50.290	1.485	1.2	77.1	4.8	1006	<0.1	27.8	8.4	>10000	0.26	0.7	5.8	0.1	364	2.9	0.1	<0.1	8
LHUB-08	Vegetation		50.597	1.698	1.3	61.8	2.7	772	<0.1	21.3	6.7	>10000	0.21	0.9	1.7	<0.1	340	2.1	<0.1	<0.1	6
PHOB-01	Vegetation		50.525	1.649	1.4	101.9	3.2	1643	0.1	12.9	2.3	>10000	0.18	0.9	1.0	<0.1	520	4.6	0.1	<0.1	9
PHOB-02	Vegetation		50.209	1.466	0.8	87.0	4.6	1340	0.1	25.6	3.5	>10000	0.25	1.1	3.9	0.1	348	1.6	0.1	<0.1	12
PHOB-03	Vegetation		50.507	1.487	0.9	74.7	5.0	1194	0.3	23.1	8.0	>10000	0.25	0.7	1.8	<0.1	384	3.8	0.1	<0.1	12
PHOB-04	Vegetation		50.735	1.172	1.2	93.6	5.9	836	0.2	37.9	9.8	>10000	0.25	1.2	8.7	<0.1	484	1.2	0.2	<0.1	12

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Project: None Given
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CERTIFICATE OF ANALYSIS VAN17001639.1

	Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Analyte	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
	MDL	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
WHB-08	Vegetation	19.80	>5	<1	3	2.37	201	0.025	146	0.70	0.086	>10	<0.1	<0.01	1.3	0.3	1.23	1	0.6	<0.2
WHB-09	Vegetation	16.56	>5	<1	2	2.78	968	0.026	206	1.23	0.075	>10	0.2	<0.01	1.2	0.3	0.57	1	<0.5	<0.2
WHB-10	Vegetation	21.79	4.586	<1	1	3.20	1112	0.020	203	0.24	0.075	>10	<0.1	<0.01	1.0	0.4	0.80	<1	0.8	<0.2
WHB-11	Vegetation	19.79	4.656	<1	2	2.31	1071	0.020	169	0.79	0.096	>10	<0.1	<0.01	1.0	0.2	0.84	1	0.8	<0.2
WHB-12	Vegetation	22.82	3.070	<1	<1	1.95	1228	0.013	62	0.08	0.036	>10	<0.1	<0.01	1.5	<0.1	0.53	<1	<0.5	<0.2
WHB-13	Vegetation	17.74	>5	<1	2	3.55	185	0.027	97	0.44	0.079	>10	<0.1	<0.01	1.2	0.1	1.27	<1	1.3	<0.2
WHB-14	Vegetation	22.38	>5	<1	2	1.66	1205	0.024	255	0.33	0.085	>10	<0.1	<0.01	1.3	0.4	0.64	<1	1.0	<0.2
WHB-15	Vegetation	17.34	>5	<1	2	2.67	269	0.025	252	0.46	0.085	>10	<0.1	<0.01	1.0	0.7	0.65	1	0.5	<0.2
WHB-16	Vegetation	22.06	4.551	<1	1	1.99	873	0.020	85	0.45	0.060	>10	<0.1	<0.01	1.0	0.4	0.42	1	0.8	<0.2
WHB-17	Vegetation	21.34	4.685	<1	1	1.57	1171	0.018	100	0.41	0.075	>10	<0.1	<0.01	1.0	0.1	0.63	1	<0.5	<0.2
WHB-18	Vegetation	23.10	4.995	<1	1	2.29	1388	0.020	68	0.32	0.080	>10	<0.1	<0.01	1.1	0.2	0.68	<1	0.7	<0.2
WHB-19	Vegetation	27.94	2.811	<1	<1	2.21	389	0.012	57	0.47	0.057	7.99	<0.1	<0.01	1.0	0.4	0.46	1	0.9	<0.2
WHB-20	Vegetation	22.07	4.909	<1	<1	1.96	1019	0.019	161	0.57	0.080	>10	<0.1	<0.01	1.0	0.4	0.43	1	<0.5	<0.2
WHB-21	Vegetation	19.34	3.710	<1	<1	2.14	1657	0.014	42	0.07	0.024	>10	<0.1	<0.01	1.5	<0.1	0.37	<1	0.7	<0.2
WHB-22	Vegetation	25.98	3.968	<1	<1	2.01	1448	0.016	138	0.29	0.090	>10	<0.1	<0.01	0.9	0.4	0.54	1	0.5	<0.2
WHB-23	Vegetation	18.60	3.837	<1	<1	2.13	1242	0.015	62	0.07	0.048	>10	<0.1	<0.01	1.5	<0.1	0.53	<1	0.8	<0.2
WHB-24	Vegetation	21.94	4.422	<1	2	2.28	851	0.021	159	0.38	0.112	>10	<0.1	<0.01	1.3	0.3	0.36	1	0.8	<0.2
WHB-25	Vegetation	22.77	4.398	<1	1	2.52	443	0.018	110	0.58	0.087	>10	<0.1	<0.01	1.2	0.1	0.54	<1	0.7	<0.2
LHUB-01	Vegetation	22.93	3.884	<1	2	3.18	1608	0.019	108	0.81	0.104	>10	<0.1	<0.01	1.2	0.3	0.59	1	0.5	<0.2
LHUB-02	Vegetation	26.87	3.700	<1	2	1.80	359	0.019	120	0.39	0.081	>10	<0.1	<0.01	1.3	0.2	0.64	1	0.7	<0.2
LHUB-03	Vegetation	24.20	3.961	<1	2	2.92	234	0.018	186	0.70	0.092	>10	<0.1	<0.01	1.2	<0.1	0.49	<1	<0.5	<0.2
LHUB-04	Vegetation	17.74	>5	<1	3	3.01	770	0.030	254	0.61	0.124	>10	<0.1	<0.01	1.4	<0.1	0.81	<1	0.6	<0.2
LHUB-05	Vegetation	24.29	4.380	<1	2	1.93	1231	0.022	209	0.41	0.133	>10	<0.1	<0.01	1.5	0.3	0.57	1	0.7	<0.2
LHUB-06	Vegetation	24.33	>5	<1	3	2.55	1628	0.023	267	0.37	0.101	>10	<0.1	<0.01	1.3	<0.1	0.59	1	<0.5	<0.2
LHUB-07	Vegetation	17.67	>5	<1	2	1.99	1242	0.025	204	0.43	0.108	>10	<0.1	<0.01	1.2	0.5	0.57	1	0.8	<0.2
LHUB-08	Vegetation	22.59	4.881	<1	2	2.83	1789	0.021	240	0.44	0.109	>10	<0.1	<0.01	1.1	0.1	0.45	1	<0.5	<0.2
PHOB-01	Vegetation	26.57	3.905	<1	2	1.42	1670	0.017	243	0.15	0.110	>10	<0.1	<0.01	1.2	<0.1	0.63	1	<0.5	<0.2
PHOB-02	Vegetation	20.12	>5	<1	2	1.85	1315	0.027	186	0.40	0.135	>10	<0.1	<0.01	1.4	<0.1	0.72	1	0.6	<0.2
PHOB-03	Vegetation	22.86	4.158	<1	2	2.07	271	0.019	173	0.80	0.112	>10	<0.1	<0.01	1.4	0.2	0.83	1	<0.5	<0.2
PHOB-04	Vegetation	21.14	4.966	<1	3	3.25	256	0.023	199	0.47	0.160	>10	<0.1	<0.01	1.4	<0.1	0.78	2	<0.5	<0.2

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	Method	VA475	VA475	VA475	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Analyte	Rec. Wt	Ash Wt	shed Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V
	Unit	g	g	g	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.001	0.001	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
PHOB-05	Vegetation		50.209	1.488	1.1	78.3	3.9	1013	0.2	43.3	6.0	>10000	0.20	0.7	0.9	<0.1	622	1.1	0.1	<0.1	9
OVEN STD-2	Vegetation		38.396	1.115	2.1	45.3	7.9	1305	0.8	17.0	0.9	>10000	0.53	2.4	<0.5	0.7	525	0.3	1.2	0.1	11
PHOB-06	Vegetation		50.467	1.322	1.3	78.5	5.4	963	0.3	27.4	5.1	>10000	0.22	1.0	9.1	<0.1	329	1.4	0.1	<0.1	11
PHOB-07	Vegetation		50.764	1.417	1.3	96.4	5.7	1127	0.1	56.8	17.5	>10000	0.30	<0.5	2.8	0.1	550	3.3	0.2	<0.1	12
PHOB-08	Vegetation		50.613	1.360	1.5	93.2	6.6	1241	0.1	56.8	5.7	>10000	0.28	1.3	14.7	0.1	499	0.9	0.2	<0.1	13
PHOB-09	Vegetation		50.605	1.325	1.0	82.9	5.0	793	0.3	99.5	6.2	>10000	0.24	0.8	3.3	0.1	426	0.6	0.2	<0.1	9
PHOB-10	Vegetation		50.929	1.210	0.9	124.8	7.7	1341	0.2	95.7	7.0	>10000	0.33	1.4	18.1	0.1	604	0.9	0.3	<0.1	8
PHOB-11	Vegetation		50.705	2.066	0.8	74.3	5.1	1051	0.1	20.2	4.5	>10000	0.23	0.7	9.1	<0.1	603	2.7	0.1	<0.1	6
PHOB-12	Vegetation		50.788	1.355	1.5	104.5	10.6	1172	0.2	21.4	6.5	>10000	0.31	1.3	27.4	0.1	375	5.1	0.3	<0.1	13
PHOB-13	Vegetation		50.470	1.252	3.8	95.5	7.5	1297	0.1	33.2	8.2	>10000	0.29	1.2	5.1	0.1	472	3.1	0.2	<0.1	13
PHOB-14	Vegetation		50.583	1.304	1.6	77.7	5.4	1281	<0.1	32.0	5.3	>10000	0.24	0.9	9.8	<0.1	418	0.6	0.1	<0.1	12
PHOB-15	Vegetation		50.731	1.925	0.3	74.5	3.8	1380	0.1	24.9	1.3	>10000	0.13	1.0	3.6	<0.1	323	0.3	<0.1	<0.1	6
PHOB-16	Vegetation		50.053	1.278	1.4	112.3	6.3	951	0.1	38.0	7.3	>10000	0.19	0.7	5.1	<0.1	394	4.6	0.1	<0.1	12
PHOB-17	Vegetation		50.665	1.453	1.3	86.1	4.5	1032	<0.1	49.4	5.4	>10000	0.19	0.7	8.5	<0.1	387	0.9	0.1	<0.1	13
PHOB-18	Vegetation		50.598	1.441	1.9	94.7	3.7	1086	<0.1	55.0	5.5	>10000	0.18	<0.5	5.4	<0.1	334	1.8	<0.1	<0.1	8
PHOB-19	Vegetation		50.561	1.503	1.1	88.6	22.5	1598	<0.1	58.5	4.0	>10000	0.21	0.7	4.2	<0.1	564	2.3	0.1	<0.1	13
PHOB-20	Vegetation		50.080	2.012	1.3	65.1	3.4	702	<0.1	37.7	5.4	>10000	0.17	<0.5	1.3	<0.1	579	5.2	<0.1	<0.1	8
PHOB-21	Vegetation		50.524	1.508	1.4	103.5	4.5	737	0.1	71.5	8.4	>10000	0.17	0.7	1.9	<0.1	383	2.4	<0.1	<0.1	11
PHOB-22	Vegetation		50.680	1.672	2.4	85.4	3.8	984	0.1	40.5	4.8	>10000	0.16	<0.5	1.2	<0.1	373	3.8	<0.1	<0.1	10
PHOB-23	Vegetation		50.368	1.725	1.1	65.3	3.7	769	0.1	53.6	4.7	>10000	0.12	<0.5	3.3	<0.1	357	1.6	<0.1	<0.1	9
RHTB-01	Vegetation		50.544	1.426	1.3	84.4	3.7	1017	0.2	38.3	5.4	>10000	0.17	0.9	2.8	<0.1	536	1.5	<0.1	<0.1	9
RHTB-02	Vegetation		50.710	1.391	0.7	73.5	4.7	1057	0.1	25.7	5.0	>10000	0.19	0.9	14.3	<0.1	549	1.3	0.1	<0.1	12
RHTB-03	Vegetation		50.597	1.524	1.1	72.9	3.7	887	<0.1	20.8	3.1	>10000	0.20	0.6	3.6	<0.1	263	0.9	0.1	<0.1	12
RHTB-04	Vegetation		50.468	1.350	1.6	92.3	5.3	1238	<0.1	55.0	4.8	>10000	0.23	1.0	2.2	<0.1	314	2.1	0.2	<0.1	14
RHTB-05	Vegetation		50.386	1.318	2.4	108.3	5.4	883	0.1	60.7	27.7	>10000	0.26	1.0	24.6	<0.1	567	2.4	0.2	<0.1	15
RHTB-06	Vegetation		50.841	1.519	1.0	86.1	4.1	938	0.1	35.8	7.6	>10000	0.19	1.0	17.6	<0.1	310	1.6	0.2	<0.1	11
RHTB-07	Vegetation		50.236	1.244	1.4	108.5	5.3	1026	0.2	41.3	5.9	>10000	0.19	0.8	7.7	<0.1	343	0.9	0.1	<0.1	13
RHTB-08	Vegetation		50.919	1.266	1.9	93.4	3.7	1290	0.2	67.4	4.6	>10000	0.24	1.0	4.3	<0.1	417	0.7	0.1	<0.1	17
RHTB-09	Vegetation		50.554	1.399	3.2	116.0	4.0	947	0.2	40.7	11.7	>10000	0.18	1.1	2.2	<0.1	469	1.3	0.1	<0.1	11
RHTB-10	Vegetation		50.404	1.549	1.8	67.6	6.7	950	0.2	52.5	4.0	>10000	0.16	0.8	10.2	<0.1	420	0.8	0.1	<0.1	13

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

Project: None Given
Report Date: August 24, 2017

CERTIFICATE OF ANALYSIS VAN17001639.1

Method		AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte		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
MDL		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
PHOB-05	Vegetation	23.87	4.706	<1	2	3.99	1419	0.020	157	0.85	0.034	>10	<0.1	<0.01	1.1	1.6	0.46	1	<0.5	<0.2
OVEN STD-2	Vegetation	26.71	2.880	1	12	1.96	1242	0.013	277	0.13	0.055	9.56	0.9	<0.01	1.7	0.9	0.81	1	1.0	<0.2
PHOB-06	Vegetation	22.29	4.420	<1	2	2.58	1068	0.019	169	0.49	0.043	>10	<0.1	<0.01	1.1	0.8	0.46	1	<0.5	<0.2
PHOB-07	Vegetation	20.55	4.485	<1	3	2.32	940	0.023	147	0.94	0.045	>10	<0.1	<0.01	1.2	1.7	0.64	2	<0.5	<0.2
PHOB-08	Vegetation	22.44	4.728	<1	3	3.36	1411	0.023	234	0.74	0.050	>10	<0.1	<0.01	1.3	2.4	0.64	2	<0.5	<0.2
PHOB-09	Vegetation	19.96	4.852	<1	2	5.52	283	0.020	208	1.21	0.049	>10	<0.1	<0.01	1.4	0.9	0.77	1	0.6	<0.2
PHOB-10	Vegetation	15.07	>5	1	3	3.46	992	0.031	177	1.02	0.069	>10	<0.1	<0.01	1.3	1.1	0.95	1	<0.5	<0.2
PHOB-11	Vegetation	26.31	3.480	<1	2	1.67	2255	0.016	247	0.45	0.032	>10	<0.1	<0.01	1.0	0.9	0.44	<1	<0.5	<0.2
PHOB-12	Vegetation	21.72	4.744	1	3	1.78	2282	0.024	222	0.78	0.064	>10	<0.1	<0.01	1.4	0.5	0.46	2	<0.5	<0.2
PHOB-13	Vegetation	22.20	4.458	<1	2	1.92	321	0.020	247	0.82	0.064	>10	<0.1	<0.01	1.2	0.6	0.59	1	<0.5	<0.2
PHOB-14	Vegetation	18.95	>5	<1	2	2.46	1311	0.023	278	0.55	0.070	>10	<0.1	<0.01	1.2	1.0	0.58	1	<0.5	<0.2
PHOB-15	Vegetation	25.29	2.616	<1	1	2.15	420	0.011	122	0.09	0.032	9.21	<0.1	<0.01	1.3	0.2	0.30	1	0.7	<0.2
PHOB-16	Vegetation	18.35	>5	<1	1	2.39	1920	0.022	230	0.88	0.061	>10	<0.1	<0.01	1.1	0.7	0.48	<1	<0.5	<0.2
PHOB-17	Vegetation	21.34	>5	<1	1	3.53	745	0.020	145	0.42	0.055	>10	<0.1	<0.01	1.0	0.9	0.52	1	<0.5	<0.2
PHOB-18	Vegetation	18.53	>5	<1	<1	2.93	1356	0.022	129	0.83	0.041	>10	<0.1	<0.01	1.0	1.0	0.55	1	<0.5	<0.2
PHOB-19	Vegetation	20.76	>5	<1	<1	3.50	1184	0.021	125	0.71	0.062	>10	<0.1	<0.01	1.0	3.3	0.53	<1	<0.5	<0.2
PHOB-20	Vegetation	22.27	3.967	<1	<1	1.46	2840	0.017	121	0.80	0.053	>10	<0.1	<0.01	1.0	1.3	0.32	1	<0.5	<0.2
PHOB-21	Vegetation	16.81	>5	<1	<1	2.92	936	0.022	246	0.54	0.056	>10	<0.1	<0.01	1.0	0.8	0.45	1	<0.5	<0.2
PHOB-22	Vegetation	18.71	>5	<1	<1	2.25	2381	0.021	118	0.32	0.043	>10	<0.1	<0.01	0.9	0.6	0.33	1	<0.5	<0.2
PHOB-23	Vegetation	22.32	4.472	<1	<1	2.51	739	0.018	73	0.69	0.060	>10	<0.1	<0.01	0.9	0.4	0.58	1	<0.5	<0.2
RHTB-01	Vegetation	18.23	>5	<1	1	2.44	1173	0.022	122	0.94	0.071	>10	<0.1	<0.01	1.1	0.3	0.54	1	<0.5	<0.2
RHTB-02	Vegetation	20.01	4.939	<1	2	2.60	1349	0.021	117	0.72	0.090	>10	<0.1	<0.01	1.1	0.5	0.45	1	<0.5	<0.2
RHTB-03	Vegetation	21.21	4.262	<1	1	3.18	1468	0.017	193	0.36	0.086	>10	<0.1	<0.01	1.1	0.5	0.46	1	<0.5	<0.2
RHTB-04	Vegetation	17.84	>5	<1	2	2.57	963	0.023	116	0.71	0.100	>10	<0.1	<0.01	1.3	0.9	0.78	1	<0.5	<0.2
RHTB-05	Vegetation	18.34	>5	<1	2	2.99	1085	0.026	191	0.91	0.115	>10	<0.1	<0.01	1.3	0.7	0.64	2	<0.5	<0.2
RHTB-06	Vegetation	20.65	>5	<1	2	3.02	288	0.022	192	0.70	0.115	>10	<0.1	<0.01	1.2	<0.1	0.63	2	<0.5	<0.2
RHTB-07	Vegetation	17.74	>5	<1	2	2.36	911	0.025	291	0.32	0.105	>10	<0.1	<0.01	1.0	0.1	0.56	1	<0.5	<0.2
RHTB-08	Vegetation	19.42	>5	<1	2	4.48	1282	0.025	169	0.67	0.093	>10	<0.1	<0.01	1.2	0.9	0.45	1	<0.5	<0.2
RHTB-09	Vegetation	20.82	>5	<1	2	2.88	1461	0.021	251	0.66	0.104	>10	<0.1	<0.01	1.2	0.1	0.57	1	<0.5	<0.2
RHTB-10	Vegetation	21.30	>5	<1	1	2.46	1271	0.024	248	0.48	0.118	>10	<0.1	<0.01	1.1	0.1	0.59	1	<0.5	<0.2

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Project: None Given
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		Method	VA475	VA475	VA475	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Analyte	Rec. Wt	Ash Wt	ashed Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V
		Unit	g	g	g	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		MDL	0.01	0.001	0.001	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
RHTB-11	Vegetation			50.550	1.489	1.5	80.2	4.0	1099	0.2	60.0	5.4	>10000	0.16	1.1	4.4	<0.1	366	0.6	0.1	<0.1	13
RHTB-12	Vegetation			50.640	1.535	1.5	83.9	3.9	991	0.2	21.3	8.2	>10000	0.19	0.7	3.5	<0.1	327	2.4	0.1	<0.1	11
RHTB-13	Vegetation			50.420	1.530	4.0	66.3	3.1	946	0.2	31.8	4.1	>10000	0.15	0.8	2.4	<0.1	333	1.0	0.1	<0.1	10
RHTB-14	Vegetation			50.818	1.306	1.9	97.7	4.9	862	0.2	36.8	4.5	>10000	0.22	0.9	2.9	<0.1	337	0.7	0.2	<0.1	15
RHTB-15	Vegetation			50.622	1.961	0.8	59.3	2.7	1117	<0.1	35.1	6.8	>10000	0.17	0.8	3.6	<0.1	578	1.2	<0.1	<0.1	13
RHTB-16	Vegetation			50.414	1.404	2.1	99.3	4.1	785	0.3	55.2	5.5	>10000	0.22	0.8	3.2	<0.1	557	5.4	<0.1	<0.1	15
RHTB-17	Vegetation			50.467	1.231	2.6	110.2	2.8	1428	0.2	67.2	4.7	>10000	0.17	1.2	0.6	<0.1	330	1.1	<0.1	<0.1	13
RHTB-18	Vegetation			50.776	1.332	2.8	103.5	2.1	1661	0.2	31.5	6.3	>10000	0.16	0.6	5.2	<0.1	290	8.2	<0.1	<0.1	11
RHTB-19	Vegetation			50.792	1.614	2.4	73.3	2.3	1160	<0.1	54.5	5.1	>10000	0.14	<0.5	1.9	<0.1	504	1.6	<0.1	<0.1	12
RHTB-20	Vegetation			50.447	1.565	2.5	78.2	8.8	1224	<0.1	38.4	6.9	>10000	0.15	0.8	3.7	<0.1	371	5.8	<0.1	<0.1	12
JHB-01	Vegetation			50.484	1.348	1.1	90.9	3.1	1061	<0.1	56.7	10.3	>10000	0.19	0.9	1.8	<0.1	485	2.5	<0.1	<0.1	14
JHB-02	Vegetation			50.387	1.342	1.1	90.6	3.2	996	0.1	29.5	4.2	>10000	0.17	0.8	4.9	<0.1	344	0.7	<0.1	<0.1	12
JHB-03	Vegetation			50.752	1.259	2.5	96.8	3.9	1065	0.2	75.2	6.4	>10000	0.22	0.8	2.5	<0.1	329	1.0	0.1	<0.1	15
JHB-04	Vegetation			50.596	1.245	1.1	94.8	3.6	1246	0.3	45.6	4.6	>10000	0.20	1.0	1.0	<0.1	365	2.8	0.1	<0.1	14
JHB-05	Vegetation			50.462	1.132	1.1	93.0	5.0	1448	0.1	95.4	5.3	>10000	0.23	1.0	1.3	<0.1	830	1.6	0.2	<0.1	13
JHB-06	Vegetation			50.444	1.489	2.7	95.3	2.5	988	<0.1	40.0	12.9	>10000	0.18	0.6	0.5	<0.1	561	2.8	<0.1	<0.1	12
JHB-07	Vegetation			50.434	1.327	1.4	92.1	3.2	819	0.2	49.4	9.9	>10000	0.20	0.9	1.1	<0.1	406	0.9	0.1	<0.1	15
JHB-08	Vegetation			50.807	1.384	2.1	89.6	3.6	1297	0.1	32.8	4.3	>10000	0.20	0.7	1.8	<0.1	417	1.2	<0.1	<0.1	13
JHB-09	Vegetation			50.717	1.460	1.5	87.2	2.4	1510	0.1	82.5	10.0	>10000	0.09	1.7	2.0	<0.1	675	7.3	0.1	<0.1	2
JHB-10	Vegetation			50.495	1.221	1.5	97.7	3.3	1094	0.2	51.4	9.0	>10000	0.11	0.8	1.0	<0.1	390	0.9	0.1	<0.1	3
JHB-11	Vegetation			50.532	1.628	1.4	83.7	1.7	1447	<0.1	22.7	7.9	>10000	0.09	<0.5	1.2	<0.1	448	3.3	<0.1	<0.1	3
JHB-12	Vegetation			50.291	1.634	1.2	66.7	2.5	740	<0.1	53.1	4.4	>10000	0.11	0.7	1.6	<0.1	380	1.1	0.1	<0.1	<2
JHB-13	Vegetation			50.667	1.458	1.6	80.9	3.6	1147	0.2	44.7	4.7	>10000	0.14	0.5	1.9	<0.1	283	0.4	0.1	<0.1	3
JHB-14	Vegetation			50.212	1.353	1.8	95.9	3.2	1036	0.2	45.7	5.6	>10000	0.12	<0.5	2.0	<0.1	378	1.0	0.1	<0.1	3
JHB-15	Vegetation			50.445	1.065	2.1	100.2	4.8	1693	0.1	48.8	6.4	>10000	0.16	<0.5	<0.5	<0.1	493	0.4	0.1	<0.1	4
JHB-16	Vegetation			50.881	1.356	1.1	107.4	4.0	940	0.2	53.5	11.8	>10000	0.10	<0.5	0.7	<0.1	600	1.2	0.1	<0.1	<2
JHB-17	Vegetation			50.404	1.240	2.3	103.5	2.2	1092	<0.1	60.2	7.8	>10000	0.10	0.6	1.4	<0.1	268	3.8	0.1	<0.1	3
JHB-18	Vegetation			50.390	1.301	1.8	81.4	3.4	858	0.3	91.9	4.7	>10000	0.14	0.8	1.4	<0.1	725	0.6	0.1	<0.1	3
JHB-19	Vegetation			50.492	1.351	1.0	95.4	2.5	1432	0.1	41.8	8.2	>10000	0.11	<0.5	3.7	<0.1	344	1.2	<0.1	<0.1	2
JHB-20	Vegetation			50.459	1.515	1.9	108.8	3.5	1011	<0.1	25.8	6.3	>10000	0.09	<0.5	1.3	<0.1	221	2.6	<0.1	<0.1	3

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	Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Analyte	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
	MDL	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
RHTB-11	Vegetation	18.38	>5	<1	1	2.52	644	0.020	142	0.49	0.077	>10	<0.1	<0.01	1.1	0.3	0.62	1	<0.5	<0.2
RHTB-12	Vegetation	21.40	4.193	<1	1	2.06	1737	0.018	172	0.36	0.087	>10	<0.1	<0.01	1.0	0.3	0.46	1	<0.5	<0.2
RHTB-13	Vegetation	21.36	>5	<1	1	1.66	1037	0.021	216	0.44	0.071	>10	<0.1	<0.01	0.9	0.3	0.41	1	<0.5	<0.2
RHTB-14	Vegetation	20.58	>5	<1	2	2.91	1464	0.024	180	0.71	0.066	>10	<0.1	<0.01	1.3	0.4	0.57	2	<0.5	<0.2
RHTB-15	Vegetation	25.39	3.811	<1	1	2.80	2153	0.016	221	0.41	0.076	>10	<0.1	<0.01	0.9	0.7	0.44	1	<0.5	<0.2
RHTB-16	Vegetation	23.54	3.276	<1	2	3.44	187	0.016	361	0.69	0.115	>10	<0.1	<0.01	1.2	0.1	0.62	1	<0.5	<0.2
RHTB-17	Vegetation	11.85	>5	<1	<1	3.59	807	0.027	169	0.43	0.110	>10	<0.1	<0.01	1.0	0.4	0.71	1	<0.5	<0.2
RHTB-18	Vegetation	17.96	>5	<1	<1	3.03	1620	0.023	239	0.25	0.110	>10	<0.1	<0.01	1.0	0.5	0.43	2	<0.5	<0.2
RHTB-19	Vegetation	20.62	4.976	<1	<1	2.68	1935	0.018	151	0.41	0.073	>10	<0.1	<0.01	0.9	0.4	0.42	1	<0.5	<0.2
RHTB-20	Vegetation	21.76	>5	<1	<1	2.77	1544	0.021	139	0.37	0.066	>10	<0.1	<0.01	0.9	0.9	0.46	1	<0.5	<0.2
JHB-01	Vegetation	19.42	>5	<1	1	3.04	212	0.021	187	0.73	0.095	>10	<0.1	<0.01	1.2	<0.1	0.98	2	<0.5	<0.2
JHB-02	Vegetation	18.95	>5	<1	1	1.79	488	0.021	203	0.71	0.085	>10	<0.1	<0.01	1.1	0.1	0.67	2	<0.5	<0.2
JHB-03	Vegetation	19.24	4.931	<1	2	3.20	1187	0.022	282	0.68	0.121	>10	<0.1	<0.01	1.2	0.4	0.39	2	<0.5	<0.2
JHB-04	Vegetation	20.08	>5	<1	1	2.77	497	0.021	178	0.91	0.105	>10	<0.1	<0.01	1.1	0.2	0.48	2	<0.5	<0.2
JHB-05	Vegetation	15.90	>5	<1	2	2.73	195	0.023	137	1.56	0.081	>10	<0.1	<0.01	1.2	0.2	1.23	2	<0.5	<0.2
JHB-06	Vegetation	16.96	>5	<1	1	2.24	1305	0.021	108	0.70	0.084	>10	<0.1	<0.01	1.2	0.1	0.61	2	<0.5	<0.2
JHB-07	Vegetation	19.02	>5	<1	2	4.07	1527	0.021	122	0.77	0.096	>10	<0.1	<0.01	1.3	0.3	0.64	2	<0.5	<0.2
JHB-08	Vegetation	19.40	>5	<1	1	2.06	997	0.021	183	0.57	0.096	>10	<0.1	<0.01	1.2	0.3	0.57	2	<0.5	<0.2
JHB-09	Vegetation	14.02	>5	<1	1	3.20	1711	0.023	57	0.86	0.130	>10	<0.1	<0.01	0.3	0.3	0.61	<1	<0.5	<0.2
JHB-10	Vegetation	14.38	>5	<1	1	4.25	830	0.030	161	0.77	0.126	>10	<0.1	<0.01	0.3	0.1	0.71	<1	<0.5	<0.2
JHB-11	Vegetation	18.79	4.528	<1	1	3.56	231	0.017	112	0.26	0.124	>10	<0.1	<0.01	0.2	0.4	0.82	<1	<0.5	<0.2
JHB-12	Vegetation	19.20	4.134	<1	1	2.98	739	0.020	80	0.80	0.102	>10	<0.1	<0.01	0.2	<0.1	0.70	<1	<0.5	<0.2
JHB-13	Vegetation	15.79	>5	<1	2	3.61	1544	0.023	88	0.95	0.115	>10	<0.1	<0.01	0.3	<0.1	0.47	<1	<0.5	<0.2
JHB-14	Vegetation	15.62	>5	<1	1	4.98	1017	0.023	105	0.80	0.133	>10	<0.1	<0.01	0.4	0.3	0.68	<1	<0.5	<0.2
JHB-15	Vegetation	14.48	4.912	<1	2	4.31	1059	0.023	114	0.58	0.203	>10	<0.1	<0.01	0.5	<0.1	0.96	<1	<0.5	<0.2
JHB-16	Vegetation	14.84	4.500	<1	1	3.52	272	0.019	109	0.51	0.140	>10	<0.1	<0.01	0.2	<0.1	1.00	<1	<0.5	<0.2
JHB-17	Vegetation	15.49	>5	<1	1	2.69	184	0.025	139	0.57	0.113	>10	<0.1	<0.01	0.3	0.1	0.83	<1	<0.5	<0.2
JHB-18	Vegetation	17.17	>5	<1	2	5.36	1264	0.025	117	1.08	0.093	>10	<0.1	<0.01	0.4	0.3	0.68	<1	<0.5	<0.2
JHB-19	Vegetation	13.24	>5	<1	1	3.38	1154	0.028	157	0.50	0.158	>10	<0.1	<0.01	0.2	<0.1	0.91	<1	<0.5	<0.2
JHB-20	Vegetation	15.29	>5	<1	1	2.26	1403	0.028	330	0.24	0.133	>10	<0.1	<0.01	0.2	<0.1	0.62	<1	<0.5	<0.2

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Client: **Kreft, Bernie**
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Project: None Given
Report Date: August 24, 2017

CERTIFICATE OF ANALYSIS VAN17001639.1

	Method	VA475	VA475	VA475	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Analyte	Rec. Wt	Ash Wt	ashed Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V
	Unit	g	g	g	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.001	0.001	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
JHB-21	Vegetation		50.727	1.398	2.3	85.7	4.1	1191	0.2	40.3	6.8	>10000	0.15	<0.5	1.2	<0.1	402	1.1	<0.1	<0.1	3
JHB-22	Vegetation		50.483	1.236	1.6	80.4	3.8	1439	0.1	33.2	3.6	>10000	0.14	<0.5	5.0	<0.1	392	1.2	0.1	<0.1	3
JHB-23	Vegetation		50.706	1.637	0.8	74.5	2.6	1091	<0.1	41.3	4.5	>10000	0.08	<0.5	1.9	<0.1	652	1.7	<0.1	<0.1	<2

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CERTIFICATE OF ANALYSIS VAN17001639.1

	Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Analyte	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
	MDL	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
JHB-21	Vegetation	15.39	>5	<1	2	2.86	972	0.026	182	0.56	0.036	>10	<0.1	<0.01	0.2	1.3	1.01	<1	<0.5	<0.2
JHB-22	Vegetation	16.40	4.664	<1	1	2.63	202	0.021	129	0.56	0.035	>10	<0.1	<0.01	0.2	1.9	0.89	<1	<0.5	<0.2
JHB-23	Vegetation	16.06	4.308	<1	<1	2.59	247	0.018	163	0.50	0.022	>10	<0.1	<0.01	0.1	1.0	0.91	<1	<0.5	<0.2

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QUALITY CONTROL REPORT VAN17001639.1

	Method	VA475	VA475	VA475	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Analyte	Rec. Wt	Ash Wt	Washed Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V
	Unit	g	g	g	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.001	0.001	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
Pulp Duplicates																					
WHB-12	Vegetation		50.808	1.778	0.6	101.6	1.6	1538	0.3	41.5	2.3	8374	0.09	<0.5	1.7	<0.1	628	0.3	<0.1	<0.1	5
REP WHB-12	QC				0.6	101.6	1.4	1519	0.3	40.2	2.1	8135	0.09	0.8	1.9	<0.1	588	0.2	<0.1	<0.1	5
PHOB-02	Vegetation		50.209	1.466	0.8	87.0	4.6	1340	0.1	25.6	3.5	>10000	0.25	1.1	3.9	0.1	348	1.6	0.1	<0.1	12
REP PHOB-02	QC				0.9	87.2	5.0	1365	0.1	26.4	3.5	>10000	0.25	1.2	4.8	0.1	331	1.8	0.2	<0.1	12
RHTB-14	Vegetation		50.818	1.306	1.9	97.7	4.9	862	0.2	36.8	4.5	>10000	0.22	0.9	2.9	<0.1	337	0.7	0.2	<0.1	15
REP RHTB-14	QC				2.1	95.7	5.9	864	0.2	36.8	4.7	>10000	0.22	0.8	3.7	<0.1	326	0.7	0.1	<0.1	15
JHB-17	Vegetation		50.404	1.240	2.3	103.5	2.2	1092	<0.1	60.2	7.8	>10000	0.10	0.6	1.4	<0.1	268	3.8	0.1	<0.1	3
REP JHB-17	QC				2.3	102.4	2.1	1058	<0.1	62.2	8.5	>10000	0.10	<0.5	1.3	<0.1	258	3.5	<0.1	<0.1	3
Reference Materials																					
STD DS11	Standard				13.8	151.4	124.6	339	1.5	76.3	12.9	1052	3.08	43.1	57.1	7.6	64	2.4	6.0	10.7	51
STD DS11	Standard				13.5	152.2	131.5	359	1.9	82.4	13.5	1075	3.19	42.7	138.1	7.5	65	2.5	6.7	10.9	51
STD DS11	Standard				12.3	144.4	125.3	335	1.6	77.6	13.0	1029	3.04	40.9	45.9	6.9	62	2.5	5.8	11.4	50
STD DS11	Standard				14.4	152.7	137.6	354	1.5	78.0	12.2	970	2.90	43.2	56.7	8.1	68	2.6	6.9	12.4	46
STD OREAS45EA	Standard				1.5	687.7	14.1	33	0.2	385.7	49.9	385	20.40	10.6	51.4	10.6	4	<0.1	0.2	0.2	292
STD OREAS45EA	Standard				1.3	694.4	13.2	30	0.3	394.8	48.3	405	20.95	10.6	53.5	9.9	4	<0.1	0.2	0.2	299
STD OREAS45EA	Standard				1.4	708.0	14.5	31	0.2	400.3	50.3	409	20.79	10.7	56.0	10.3	4	<0.1	0.2	0.3	302
STD OREAS45EA	Standard				1.5	681.4	12.6	31	0.2	363.5	45.7	397	20.80	10.1	45.7	9.3	4	<0.1	0.2	0.2	297
STD OREAS45EA Expected					1.6	709	14.3	31.4	0.26	381	52	400	23.51	10.3	53	10.7	3.5	0.03	0.32	0.26	303
STD DS11 Expected					13.9	156	138	345	1.71	81.9	14.2	1055	3.2082	42.8	79	7.65	67.3	2.37	7.2	12.2	50
BLK	Blank				<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	2	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2
BLK	Blank				<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	3	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2
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
BLK	Blank				<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	12	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2

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QUALITY CONTROL REPORT VAN17001639.1

	Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Analyte	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
	MDL	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																				
WHB-12	Vegetation	22.82	3.070	<1	<1	1.95	1228	0.013	62	0.08	0.036	>10	<0.1	<0.01	1.5	<0.1	0.53	<1	<0.5	<0.2
REP WHB-12	QC	22.64	2.999	<1	<1	1.94	1203	0.012	61	0.08	0.032	>10	<0.1	<0.01	1.5	<0.1	0.55	<1	<0.5	<0.2
PHOB-02	Vegetation	20.12	>5	<1	2	1.85	1315	0.027	186	0.40	0.135	>10	<0.1	<0.01	1.4	<0.1	0.72	1	0.6	<0.2
REP PHOB-02	QC	20.16	>5	<1	2	1.90	1323	0.026	169	0.40	0.134	>10	<0.1	<0.01	1.4	<0.1	0.70	2	0.5	<0.2
RHTB-14	Vegetation	20.58	>5	<1	2	2.91	1464	0.024	180	0.71	0.066	>10	<0.1	<0.01	1.3	0.4	0.57	2	<0.5	<0.2
REP RHTB-14	QC	20.61	>5	<1	2	2.87	1453	0.024	213	0.73	0.066	>10	<0.1	<0.01	1.2	0.4	0.56	1	<0.5	<0.2
JHB-17	Vegetation	15.49	>5	<1	1	2.69	184	0.025	139	0.57	0.113	>10	<0.1	<0.01	0.3	0.1	0.83	<1	<0.5	<0.2
REP JHB-17	QC	14.93	>5	<1	1	2.65	175	0.024	119	0.57	0.113	>10	<0.1	<0.01	0.2	0.1	0.83	<1	<0.5	<0.2
Reference Materials																				
STD DS11	Standard	1.03	0.074	18	59	0.85	407	0.098	<20	1.15	0.072	0.39	2.8	0.27	3.3	4.7	0.29	5	2.5	4.1
STD DS11	Standard	1.07	0.068	18	61	0.88	435	0.099	<20	1.19	0.073	0.39	2.4	0.25	3.5	4.7	0.30	5	3.2	4.5
STD DS11	Standard	1.02	0.069	17	57	0.84	399	0.092	<20	1.14	0.070	0.38	2.4	0.23	3.2	4.5	0.29	5	2.8	5.0
STD DS11	Standard	0.99	0.069	17	53	0.83	400	0.102	<20	1.06	0.066	0.38	2.6	0.26	3.2	4.6	0.26	5	1.8	4.5
STD OREAS45EA	Standard	0.03	0.028	7	857	0.09	141	0.102	<20	3.23	0.016	0.05	<0.1	<0.01	76.4	<0.1	<0.05	12	0.9	<0.2
STD OREAS45EA	Standard	0.03	0.031	7	852	0.08	139	0.102	<20	3.24	0.017	0.06	<0.1	<0.01	79.5	<0.1	<0.05	12	1.1	<0.2
STD OREAS45EA	Standard	0.03	0.029	7	856	0.09	146	0.101	<20	3.36	0.017	0.05	<0.1	<0.01	78.1	<0.1	<0.05	12	1.4	<0.2
STD OREAS45EA	Standard	0.03	0.026	6	754	0.09	124	0.097	<20	3.25	0.019	0.06	<0.1	<0.01	75.7	<0.1	<0.05	12	0.9	<0.2
STD OREAS45EA Expected		0.036	0.029	7.06	849	0.095	148	0.0984		3.13	0.02	0.053			78	0.072	0.036	12.4	0.78	0.07
STD DS11 Expected		1.063	0.0701	18.6	61.5	0.85	417	0.0976		1.129	0.0694	0.4	2.9	0.3	3.1	4.9	0.2835	4.7	1.9	4.56
BLK	Blank	<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	<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	<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	<0.01	0.004	<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