

2018 Field Season

Geochemical Sampling, Prospecting And Trenching Report
On The
Midas Property
May 21st to September 24th, 2018

Claims

Ion 1-10; YC75506 to YC75515
Ion 11-22; YC93780 to YC93791
Dom 173; YC31119
Dom 175; YC31121
Dom 177-182; YC31123 to YC31128
Dom 207-220; YC31153 to YC31166
Dom 242-250; YC31188 to YC31196
Dom 276; YC32722
Dom 278; YC32724
Dom 280; YC32726
Dom 282; YC32728
Ty 1-8; YE90275 to YE90282

Located In
Dawson Mining District

On
NTS 115-O-11
At
63° 48' north and 138° 50' west

By
Bernie Kreft
December 15th, 2018

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Location And Access – The Midas Project is located in the Dawson Mining Division on map 115-0-15 at 63° 48' north and 138° 50' west in the Klondike placer goldfields at the headwaters of placer gold producers Friday Gulch and Brimstone Creek tributaries to Sulphur Creek and Caribou Creek tributary to Dominion Creek.

The property is located approximately 38 km southeast of Dawson. Access is via the Hunker Creek road, the Sulphur Creek road and a spur road which leaves the Sulphur Creek road at the top of Green Gulch Hill and travels the entire length of the property. The Hunker and Sulphur roads are government maintained typically summer travel only while the spur road is not maintained and has numerous soft spots. Total mileage from Dawson is about 49 kilometres resulting in a 40 minute one-way drive.

Topography And Vegetation - The property is unglaciated and lies on the Klondike Plateau, which is characterized by low rolling hills dissected by deeply incised stream valleys. Elevations range from over 1200m at Dominion Mountain to a low of about 760m on Caribou Creek in the northeast corner of the property. The majority of the property is forested. Higher elevations are covered by mixed spruce and brush with tree cover increasing at lower elevations and on south facing slopes. Areas of permafrost are commonly covered by sparse cover consisting of stunted spruce trees and brush.

The Klondike Plateau experienced strong surface weathering during the early and mid-Tertiary, with the effects of this weathering extending to depths of as much as 80 metres or more. Regolithic material in the vicinity of the claims averages 2 metres in thickness. Outcrop is restricted to old trenches, road cuts, and sporadic areas on Dominion Mountain and along the ridge to the northwest. Permafrost is widespread on north and east facing slopes, and sporadically occurs in other areas. Areas prone to permafrost should be explored late in the exploration season to allow for maximum thaw.

Climate is characterized by low precipitation and a wide temperature range. Winters are cold and temperatures of -30° Celsius are common. Summers are moderate with daily highs commonly in the 14° to 20° Celsius range. The seasonal window for prospecting and exploration typically lasts from mid-May to mid-October.

Claims And Land Status – The proponent owns a 100% interest in 65 quartz claims with claim information detailed on the following table. The project is located within Trondek Hwichin (Dawson) traditional territory, with no First Nation land claim blocks in the area to be prospected.

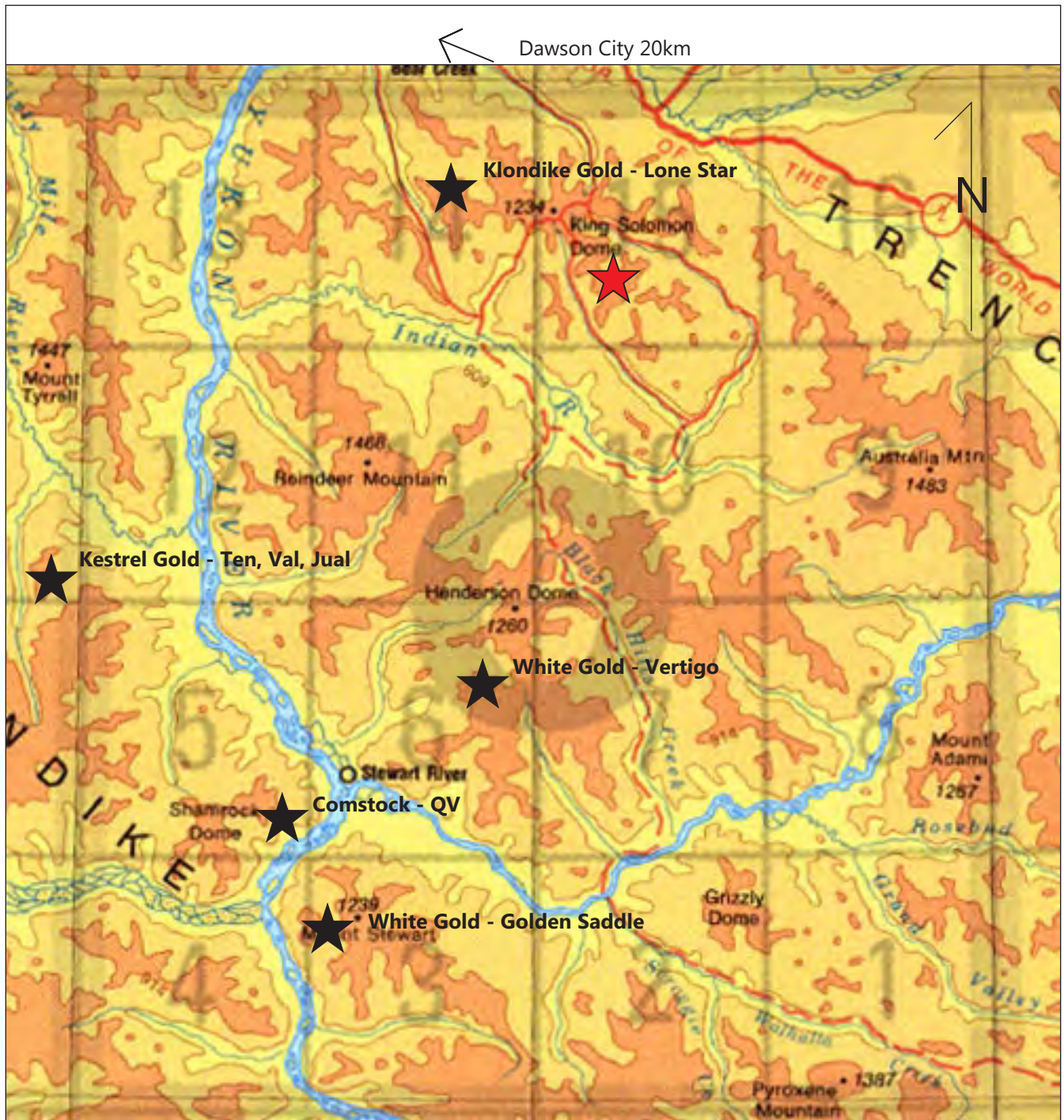
Claim Status Table

Claim Name	Grant Numbers	Registered Owner	Expiry Date
lon 1-10	YC75506 to YC75515	Bernard Kreft	2023\11\25
lon 11-22	YC93780 to YC93791	Bernard Kreft	2023\11\25
Dom 173	YC31119	Bernard Kreft	2023\11\25
Dom 175	YC31121	Bernard Kreft	2023\11\25
Dom 177-182	YC31123 to YC31128	Bernard Kreft	2023\11\25
Dom 207-220	YC31153 to YC31166	Bernard Kreft	2023\11\25
Dom 242-250	YC31188 to YC31196	Bernard Kreft	2023\11\25
Dom 276	YC32722	Bernard Kreft	2023\11\25
Dom 278	YC32724	Bernard Kreft	2023\11\25
Dom 280	YC32726	Bernard Kreft	2023\11\25
Dom 282	YC32728	Bernard Kreft	2023\11\25
Ty 1-8	YE90275 to YE90282	Bernard Kreft	2023\11\25



Midas Project ★

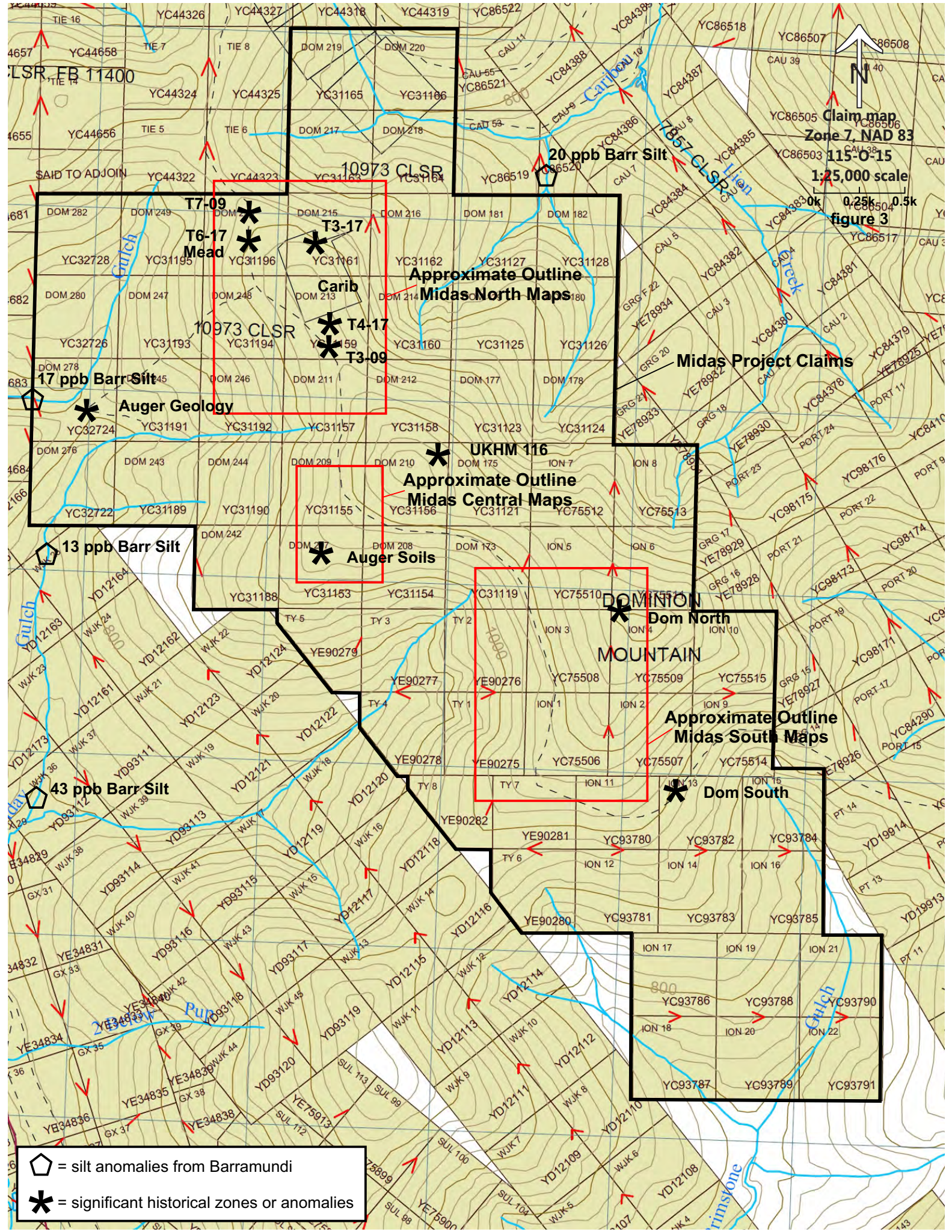
To Accompany: 2018 Midas Report	December 23rd, 2018
By: Bernie Kreft	Figure 1



Regional Map - Midas Project
figure 2



Scale approx. 1:600,000



Claim map
Zone 7, NAD 83
115-O-15
1:25,000 scale

0.25k 0.5k
figure 3

20 ppb Barr Silt

10973 CLSR

T7-09
T6-17
Mead

T3-17

Carib

Approximate Outline
Midas North Maps

10973 CLSR

T4-17
T3-09

17 ppb Barr Silt

Auger Geology

UKHM 116
Approximate Outline
Midas Central Maps

Auger Soils



13 ppb Barr Silt

DOMINION
MOUNTAIN

Approximate Outline
Midas South Maps

43 ppb Barr Silt

Dom South

-  = silt anomalies from Barramundi
-  = significant historical zones or anomalies

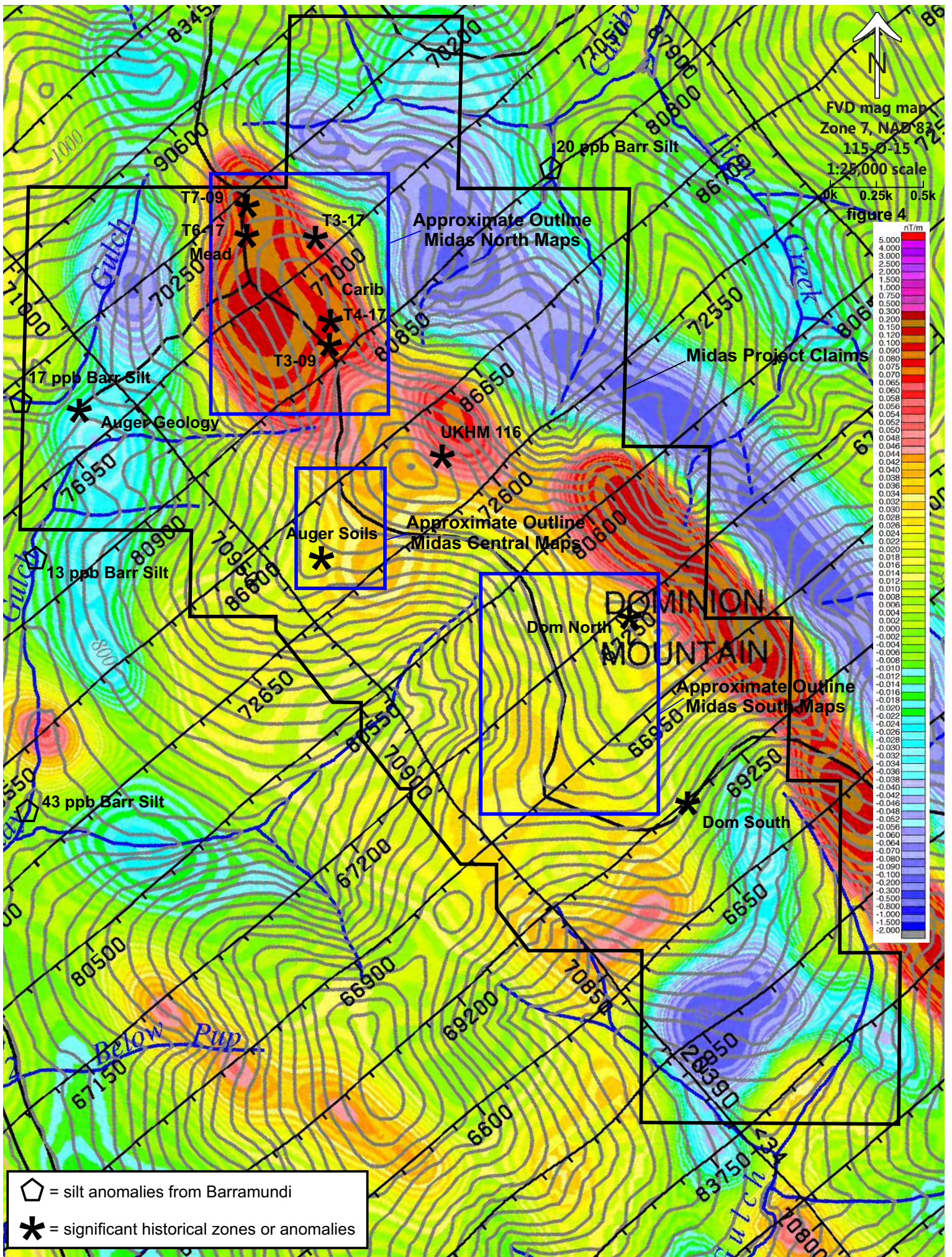
GSC Airborne Data Open File 3992 – During 2001 the GSC published the results of a multi-parameter airborne geophysical survey covering much of the area south and west of Dawson including the area of the Midas Property. Mineralized showings on the Property are associated with a positive moderate northwest trending First Vertical Derivative aeromagnetic anomaly as well as a strong Thorium low. Although geological mapping will be required to determine the cause of these anomalies and their relationship to the mineralized showings and zones, it is felt that the strong magnetic anomaly, specifically the contrast between magnetic high and low, is tracing the thrust fault mapped in the area while the Thorium low possibly represents alteration associated with deformed and/or fractured rocks located in the hanging-wall of the thrust. Ultimately strong and significant airborne geophysical anomalies are directly associated with the showings or anomalies outlined to date.

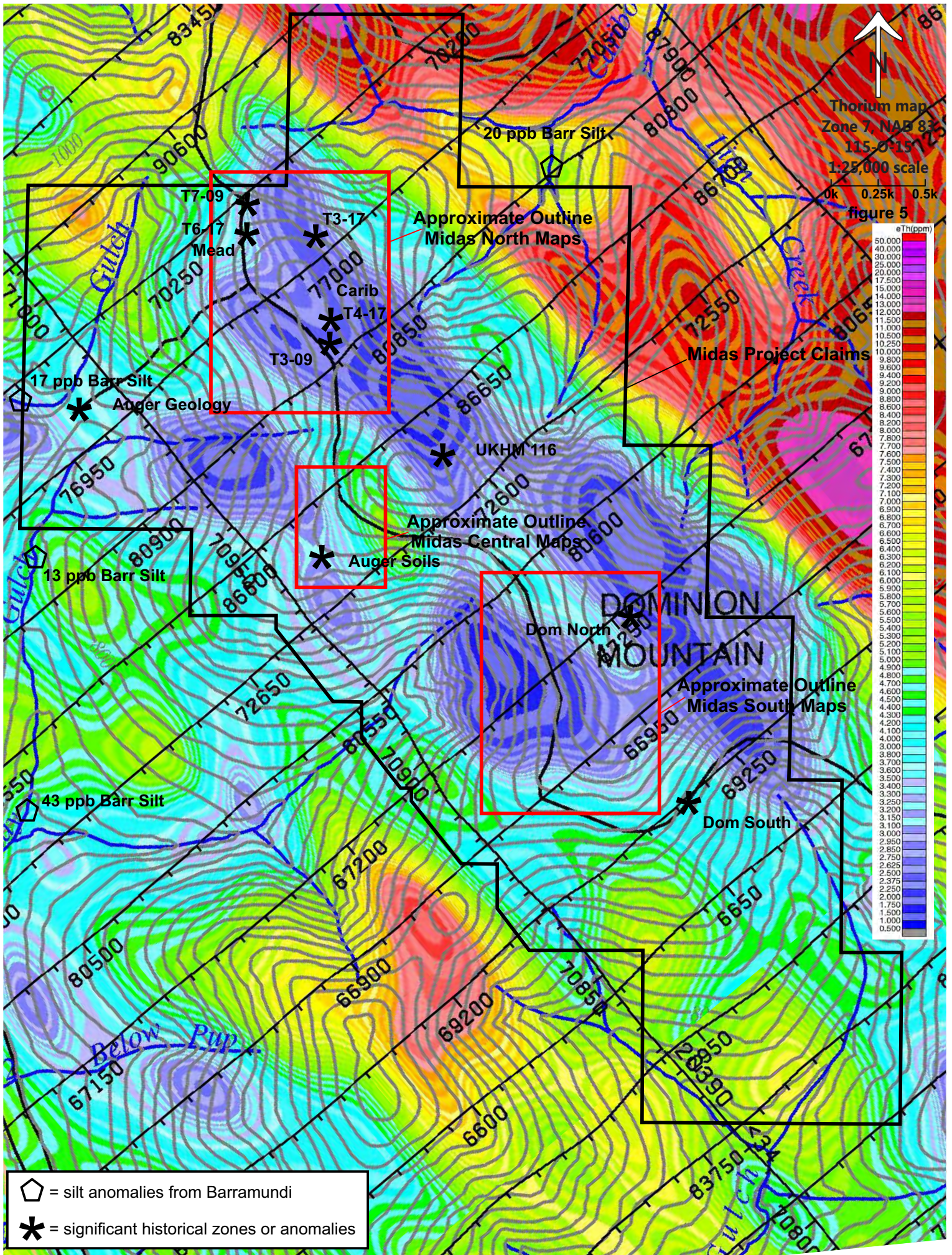
Property Geology And Mineralogy – The property is situated on the southwest side of the Tintina Fault, within the Tintina Gold Belt (“TGB”). The TGB has proven to be an under-explored, yet highly prospective belt of rocks, as witnessed by the recent significant discoveries at White Gold, Coffee, and Pogo. The potential for orogenic and other bulk-tonnage gold targets has been recognized in the Yukon portion of the TGB with the area south of Dawson receiving considerable attention from numerous companies, including majors such as Goldcorp, Kinross, Newmont, Teck, Kennecott and Phelps Dodge as well as a plethora of junior exploration companies.

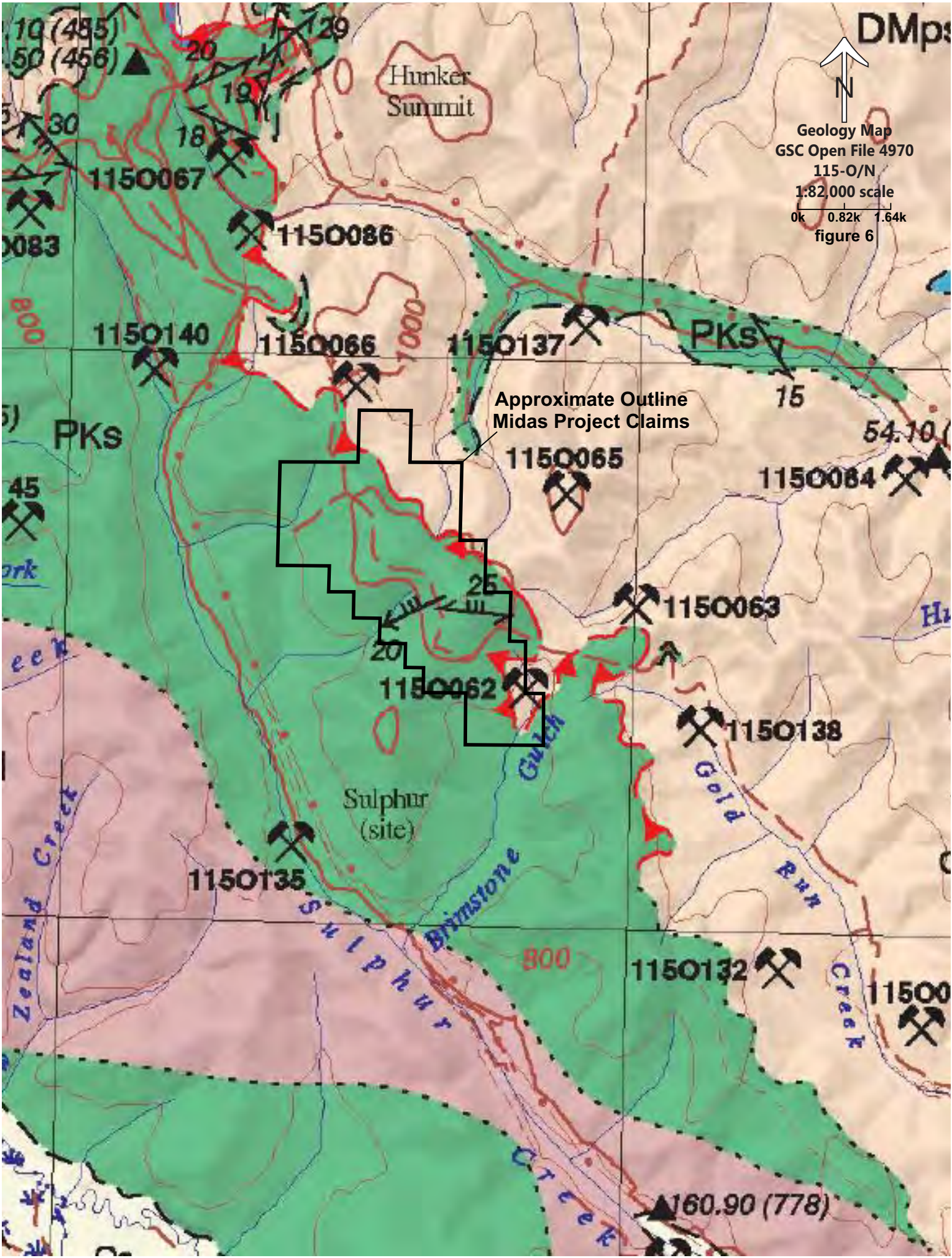
The property is located within the Klondike Goldfields on a north trending ridge roughly paralleling and equidistant between major placer gold producers Sulphur Creek and Dominion Creek. Most of the significant bedrock gold showings within the Klondike are orogenic style targets, located in dilatant zones formed in the hanging-wall of regional scale thrust faults where dissected by later structures. Auriferous mineralization consists of high grade quartz veins and lower grade disseminated mineralization in the schist wallrock. At Klondike Gold Corps Lone Star property, drill intersections of up to 5.1 g/t Au over 14.3m and 2.4 g/t Au over 41 metres have been encountered within a geological setting similar to the Midas Property and located at the headwaters of significant placer gold producers Eldorado Creek and Victoria Gulch.

The Midas Project is located in the hanging-wall of a south-west dipping thrust fault and overlies a mixed sequence of chlorite-quartz +/- sericite +/- muscovite +/- biotite schist with rare coarse grained amphibolite interbeds. Two main types of quartz veins are common on the property: foliaform and discordant. Foliaform veins are discontinuous along strike, and range up to 0.3m in thickness. No gold values, visible sulphides or evidence of alteration have been noted in, or associated with, this type of veining. Discordant veins are north to north-west trending, generally vertical, and cross-cut schistosity. They are typically 1 to 30 centimetres in width limonitic, contain traces of pyrite, galena, copper sulphosalts and rare visible gold and upon analyses are typically moderately to highly anomalous in gold. Pyritized, carbonatized, silicified and sericitized alteration envelopes adjacent to discordant quartz veins are typically weakly to moderately anomalous in gold. Wallrock alteration is discernible for up to 2.0 metres from the margins of single veins, while in areas where several parallel veins occur, semi-continuous alteration zones up to 20 metres in width have been noted.

Although overburden and vegetation cover result in a near complete masking of bedrock on the Midas Project, work by the author on nearby properties has resulted in a rudimentary understanding of the structural regime present in the general vicinity, and which may be applicable to the Midas Project. The introduction of mineralized quartz vein zones with associated pyritized, carbonatized and silicified wallrock appears to have occurred along fairly continuous and well developed north trending structures. These mineralized vein zones were subsequently dissected by two structural regimes: a set of vertical







DMps



Geology Map
GSC Open File 4970
115-O/N
1:82,000 scale
0k 0.82k 1.64k
figure 6

Hunker Summit

PKs

Approximate Outline
Midas Project Claims

PKs

Sulphur
(site)

Zealand Creek

Brimstone
Creek

Gold
Run

Creek

1150067

1150086

1150140

1150066

1150137

1150065

1150063

1150084

1150062

1150138

1150135

1150132

11500

160.90 (778)

10 (485)
50 (456)

20

29

19

30

18

15

54.10

25

20

800

45

ee

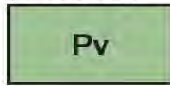
Ha

C

Creek

Figure 6A: Geology Legend To Accompany Figure 6 Geology Map

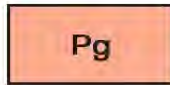
PERMIAN



FOLIATED VOLCANIC: chlorite-altered weakly foliated intermediate to mafic aphanitic volcanic flows and tuffs, locally with clastic textures preserved



KLONDIKE SCHIST: muscovite-chlorite-quartz-feldspar schist, chlorite schist, chlorite phyllonite; local cleaved lapilli tuff with preserved primary texture, probably derived from Pv



JIM CREEK PLUTON (circa 252.4 Ma): granite to quartz monzonite, coarse grained, biotite-bearing, commonly K-feldspar megacrystic; lacks superposed structural fabric as seen in Pog (and DMog)



ORTHOgneiss (YOUNGER, 264-259 Ma): Pog, undivided orthogneiss; Pogg, pink to orange K-feldspar rich, granitic orthogneiss, commonly includes or associated with Poga; Poga, mainly K-feldspar augen orthogneiss, exhibits various states of strain including porphyroclastic straight gneiss, commonly includes or associated with Pogg; Pogt, rare, mainly tonalitic orthogneiss; Pogq, orthogneiss derived from quartz monzonite; refers to highly strained, mafic poor, Sulphur Creek orthogneiss; ?-age assignment probable, ??-age assignment assumed (alternatively could be part of DMog).

DEVONIAN TO MISSISSIPPIAN



QUARTZ-MICA SCHIST: undivided metasedimentary rocks dominated by metapsammite, semipelite and metapelite; commonly quartz-garnet-biotite-muscovite schist possibly derived from siliceous siltstone; commonly finely interlayered with garnet metapelite; commonly contains members of micaceous quartzite; rare conglomerate; grades locally to paragneiss

SYMBOLS

- Geological contact (defined, approximate, assumed)
- Fault, sense of movement uncertain (defined, approximate, assumed)
- Fault, transcurrent, dextral (approximate)
- Fault, thrust (teeth on upper plate) (defined, approximate, assumed)
Faults in red inferred by Mortensen, 1996
- Fault, normal (teeth on upper plate) (defined, approximate, assumed)
Faults in red inferred by Mortensen, 1996
- Fault, low-angle normal (teeth on upper plate) (approximate, assumed)
Inferred by Mortensen, 1996
- Bedding
- Fracture cleavage, slaty cleavage
- Foliation (S2,S3)
- Transposition foliation (ST)
- Mineral (elongation) lineation (L2)
- Minor fold axis (F1, u-fold)
- Minor fold axis (F2, u-fold, z-fold, s-fold)
- Minor fold axis (F3, u-fold, z-fold, s-fold)
- Minor fold axial plane (F2, F3)
- Intersection lineation (IL3)
- Mineral Prospect (Yukon Minfile number (de Klerk, 2003); commodities, if known) 1150999 Ag, Cu
- Isotopic age determination (in Ma; (YUKONAGE number (Breitsprecher, et al, 2004))) 96.50 (1383)

east-west faults resulting in a west stepping of the vein zones in the horizontal plane and a set of flat lying faults which resulted in a further west stepping to depth in the vertical plane. Displacement along the vertical east-west faults is unknown but likely in the order of 25m or more while displacement along the flat lying faults is approximately 5-10 metres.

The Klondike Goldfields, in which the Midas Project is located, are un-glaciated and consequently plagued by thick locally derived soil, colluvium and regolithic material which have forced prospectors to rely on soil sampling as a preliminary first pass exploration tool as opposed to more traditional mapping and prospecting. Work by the author in the Klondike Goldfields has shown that soil anomalies of 40 ppb Au and greater potentially represent significant bedrock mineralization.

History And Previous Work – The Midas Project is bound by Dominion Creek and Sulphur Creek which are two world class placer gold deposits. Combined, these creeks have likely yielded in excess of 2,000,000 ounces of placer gold since discovery in 1896. Although gold rush era hardrock prospecting efforts are generally un-documented, numerous well overgrown hand-dug pits and trenches are scattered throughout the property and attest to this work having taken place. Short chronologically ordered summaries of assessment reports available in the public domain, as well as private data from the author's personal files are as follows:

AR092600 – United Keno Hill Mines – 1987 – UKHM staked and sampled a large claim block including the area of the Midas Project. A total of 310 soil samples were taken from a long narrow grid extending north along the ridge from Dominion Mountain to the northern property boundary. Although numerous soil anomalies of up to 603 ppb Au (Dom North) were located no follow up work appears to have been completed.

AR092791 – Auger Mining – 1989 – During 1989 Al Doherty conducted a limited soil sampling and mapping program at the headwaters of Meadow Gulch and the left fork of Friday Gulch. Trenching encountered silicified andesite dykes as well as clay altered rhyolite dykes with occasional chalcedonic veining (Auger Geology), while soil sampling of a second area returned up to 82 ppb Au (Auger Soils).

AR093711 – Barramundi Gold – 1996 – Barramundi completed a regional scale silt sampling program across an extensive claim block covering much of the Klondike. A significant coherent multi-sample gold anomaly was located in Caribou Creek, Meadow Gulch and Friday Gulch, all emanating from the Midas Project. Highly anomalous values ranging from 17-43 ppb Au (Barr Silt) were encountered with the left fork of Friday Gulch proving particularly anomalous.

Kreft YMIP 2008-006 – During 2008 the author conducted a wide ranging regional sampling program throughout the southeast portion of the Klondike Goldfields. Significant values of up to 79 ppb Au in soil were returned from work on the south slope of Dominion Mountain (Dom South), while up to 56 ppb Au in soil was returned from work on the north slope (Dom North).

Kreft YMIP 2009-013 – During 2009 the author followed up 2008 gold soil anomalies located on Dominion Mountain as well as conducting further work throughout the remainder of the Midas Project. Work consisted of soil sampling followed by excavator trenching and rock sampling. A total of 7 trenches were excavated on soil anomalies defined by 2008 and 2009 fieldwork. Results of up to 2.38 g/t Au over 1.3m (T3-09) and 5.48 g/t Au over 0.15m (T7-09) were encountered in several broad spaced trenches.

Kreft 2010 Private Data – During 2010 the author conducted limited soil sampling designed to test for northerly strike extensions to the interval encountered in T3-09 of the 2009 program. A soil sample taken approximately 180 metres north of Trench 3 returned 450 ppb Au. Soil sampling was conducted at 25m sample spacings, and it was felt that sample intervals of as little as 12.5m may be necessary to locate zones in topographically subdued areas or areas prone to permafrost such as east and north facing slopes.

AR095976 – Kestrel Gold – 2011 – Kestrel completed a program of soil sampling covering the area of the Midas Property extending from Dominion Mountain to the northern property boundary. A total of 508 samples were taken at 50m sample spacings on lines 100m to 200m apart, with results showing only a few anomalous sites with values of from 40 to 90 ppb Au. It should be noted that the sampling was conducted in early July at which time the thaw was incomplete resulting in approximately 20% of the total samples encountering permafrost which precluded C-horizon sampling, with the majority of these samples occurring on east and north facing slopes which is where most of the gold bearing showings are now known to occur. This suggests that approximately 40% of the sample sites in the main area of interest were impacted by permafrost and possibly the reason for Kestrel's failure to reproduce historical anomalies identified by UKHM and Kreft.

Kreft 2016 Private Data – During 2016 the author conducted limited hand trenching and rock sampling in the vicinity of the 450 ppb Au soil located by 2010 fieldwork and at a 40 ppb Au soil encountered by Kestrel in 2011. No significant values were encountered at, or in the vicinity of, the 450 ppb Au sample site possibly due to overburden depths exceeding the trenching capabilities of hand tools. Work uphill of the site of a 40 ppb Au soil identified by Kestrel encountered a series of old gold-rush era pits and trenches. Samples from these workings returned up to 106.2 g/t Au and 656 g/t Ag from a 30cm wide limonitic quartz vein with traces of pyrite and galena, while samples of iron-carbonate and weakly pyritic wallrock returned up to 0.525 g/t Au.

Kreft 2017 Private Data – During 2017 the author excavated a total of 6 trenches totalling approximately 145 linear metres over the 450 ppb Au soil sample from 2010, the area of the 2016 rock sample grading 106.2 g/t Au and 656 g/t Ag and southerly strike extensions to the mineralization located in a 2009 trench that encountered 5.48 g/t Au over 0.15m.

Trenching at the 450 ppb Au soil site encountered significant gold mineralization including: a 2cm wide quartz vein with heavily iron carbonate altered selvages which returned up to 87.8 g/t Au, a grab sample of heavily iron carbonate altered and silicified wallrock which returned 50.17 g/t Au and a 0.6m x 0.6m panel sample of limonitic and weakly carbonate altered biotite quartz chlorite schist which returned 8.956 g/t Au (trench T4-17). Overlimit gold values were analyzed by the metallic screen method, with all samples reporting a significant component of coarse gold which in several cases was enough to double the values returned from a regular fire assay. Where measured, veins have a strike of 130°-310° and a near vertical dip.

Trenching at the site of the high grade 2016 rock sample encountered a 0.6m wide quartz limonite pyrite galena vein which returned 50.53 g/t Au and 1,977 g/t Ag with a 0.6m sample of adjacent wallrock returning 0.448 g/t Au (trench T3-17). Overlimit gold values were analyzed by the metallic screen method with samples reporting enough coarse gold to increase the values returned from a regular fire assay by 10%-25%. The location and orientation of known veins as well as float in the trench walls suggests the presence of at least 3 major veins and associated wallrock alteration over an approximate 16m width. Where measured veins have a strike of 135°-315° and a near vertical dip.

Given that the bedrock mineralization at the site of the 450 ppb Au soil, the high grade 2016 rock sample and the gold bearing interval in T3-2009 all strike toward each other and have the same near vertical dip, it is felt that these showings are in fact part of one continuous zone (“Carib Zone”) approximately 570 metres long open to both the north and south.

Trenching 150m on strike to the south of the 2009 trench that returned 5.48 g/t Au over 0.15m (“Mead Zone”) encountered strongly iron carbonate altered chlorite schist cut by hairline to cm-scale quartz veins and with occasional fuchsite. A 0.6m channel sample across two narrow quartz veins and adjacent altered wallrock returned 0.445 g/t Au (trench T6-17). The trench was oriented roughly parallel to the strike of the veins and subsequent trenching efforts in this area should focus on providing a better cross-cut of the veining and alteration encountered.

Table of Significant Showings or Anomalies

Anomaly	Reports	Best Values	Structure	Notes on Previous Work	Location
Mead	Private, 095164	5.48 g/t Au over 0.15m	N-S	Two trenches 150m apart both hit nice alteration; open ended	604843E and 7078000N
Carib	Private, 095164	106.2 g/t Au and 1,977 g/t Ag	N-S	Limited trenching suggests minimum 570m strike length for this zone; open ended	605318E and 7077400N
Auger Geology	092791	42 ppb Au soil	unknown	geology consisting of clay altered and chalcedonic veined andesite and rhyolite	603990E and 7076871N
Auger Soils	092791	82 ppb Au soil	unknown	interesting gold in soil value	605303E and 7076120N
UKHM 116	092600	116 ppb Au soil	unknown	interesting gold in soil value	605937E and 7076706N
Dom Mt South	095164	79 ppb Au soil and 113 ppb Au rock	unknown	interesting gold in soil value and some gold in rock	607295E and 7074893N
Dom Mt North	095164, 092600	603 ppb Au soil and 113 ppb Au rock	unknown	interesting gold in soil value unexplained by trenching	606940E and 7075886N

Current Work And Results – Work during the 2018 field season was conducted during the period May 21st to Sept 24th 2018, and was designed to provide detailed soil sampling and prospecting coverage of areas with known anomalies or showings in an effort to define trenching targets. A total of 29 rocks and 452 soils were gathered while sampling and prospecting with the results of this work culminating in a trenching program consisting of 19 trenches totaling 420 linear metres yielding 152 trench rock samples. The majority of soil samples were taken from the C horizon except where the presence of frozen ground limited sampling to B horizon material. Soil samples were typically taken at 12.5m intervals to provide sufficient detail for a subsequent excavator trenching program. Prospecting rock samples were sourced from occasional bedrock exposures as well as small hand dug prospecting pits, while trench rock samples were collected from bedrock exposed by trenches. Soil sample sites were marked in the field using flagging inscribed with the sample code and tied to nearby trees or brush, while rock samples were marked in the field by flagging inscribed with the sample code wrapped to rocks representative of the material sampled. Soil sample material was placed in industry standard paper packets while rock samples were placed in industry standard poly sample bags. All samples were analyzed by Bureau Veritas, with soils prepped by SS80 (sieve 100g of soil to -80 mesh), and rocks prepped using PRP70-250 (crush 70% to 10 mesh and pulverize a 250g split). All samples were analyzed using FA430 (30g Au fire assay) and AQ300 (35 element ICP with 0.5g sample size). Trench samples were prepped by PRP70-250 (crush 70% to 10 mesh and pulverize a 250g split) and analyzed by FA430 (30g Au fire assay) only.

Work was concentrated in three areas: Midas North covering the Carib and Mead showings, Midas Central covering Auger Soils showing, and Midas South which consisted of a series of short prospecting and sampling traverses covering random areas along the ridge road at the south end of the property. In an effort to help calibrate soil sample values, three soil samples were taken immediately adjacent and parallel to 2017 trench T4-17 which returned numerous gold bearing rock samples to 87.8 ppm Au. These three closely spaced “calibration” soil samples returned highly variable gold values of 0.015 ppm, 0.034 ppm and 0.469 ppm, suggesting that gold in soil values as low as 0.015 ppm may represent significant bedrock gold mineralization.

Prospecting and sampling at Midas North encountered scattered gold soil anomalies throughout the area, with a total of 24 soil sample sites grading 0.031 ppm Au (moderately anomalous) or greater. Anomalous gold in soil values show no obvious correlation with typical pathfinder elements which mimics bedrock gold mineralization which varies from areas with gold only to areas with a weak to moderate gold polymetallic (Ag-Pb-Cu-As-Sb) signature. Overall, sulphide mineralization is not a significant constituent of Midas project zones.

Of the 16 trenches planned for Midas North only 13 were completed with the remaining three cancelled due to steep terrain (possibly a fault scarp) along the east side of the property hindering excavator access. Significant gold values were found in 9 of 13 trenches completed, with the bulk of anomalous values found associated with hairline to several centimetre wide quartz veins with variably carbonatized and pyritized wallrock. A peak value of 83.5 ppm Au and 435 ppm Ag from a 1.0m channel sample was returned from a 1.0m wide quartz vein found in T1819. Wide zones of weakly iron-carbonate altered and pyritized schist cut by sheeted quartz lined fractures and narrow veins were found within trenches T1810, 11 and 12 with peak values of 0.153 ppm Au over 16.0m encountered by trench T1810. A silicified, weakly pyritic and heavily quartz to iron carbonate altered zone with no obvious quartz veins was encountered by trench T1816. Channel sampling of this alteration zone returned 4.0m of 0.54 ppm Au, with its similarities to the alteration adjacent to the quartz vein in trench T1819 (83.5 ppm Au and 435 ppm Ag over 1.0m) suggesting potential for similar style quartz veins in this area.

Prospecting and sampling work at Midas Central encountered numerous gold soil anomalies throughout the area, with a total of 13 soil sample sites grading 0.031 ppm Au (moderately anomalous) or greater. Anomalous gold in soil values have either a gold only signature or a correlation with anomalous copper and zinc. A prospecting grab sample consisting of chlorite biotite schist cut by quartz limonite lined fractures found within rubble adjacent to a historical trench returned 0.581 ppm Au.

A total of 3 trenches were completed at Midas Central. Trench T1807 contained a 2.2m interval of unaltered quartz chlorite schist with no obvious quartz veining or iron carbonate altered areas, the analyses of which returned 0.242 ppm Au. No significant gold values were returned from the other two trenches completed.

Prospecting and sampling work at Midas South focused on rubbly exposures found in the recently cleared road ditch, and resulted in the identification of three areas exhibiting anomalous gold values. The northernmost area of interest consists of a soil sample with 0.066 ppm Au in an area with iron-carbonate altered and quartz veined rubble. The central area of interest consists of several soil samples with up to 0.043 ppm Au and weakly carbonate altered and quartz veined chlorite schist with up to 0.222 ppm Au. The southernmost area of interest consists of a moderate intensity gold-silver soil anomaly with values of up to 0.045 ppm Au and 1.4 ppm Ag, along with a rock sample of quartz-sericite-mariposite schist with up to 2% pyrite, the analyses of which returned 0.129 ppm Au and 4.3 ppm Ag.

One trench was located at each area of interest at Midas South. The trench at the northernmost area of interest returned 0.202 ppm Au from a 2.5m channel sample of quartz chlorite schist with a weakly developed set of sheeted quartz lined fractures and adjacent weakly developed iron-carbonate alteration. The remaining two trenches failed to encounter anomalous gold values. It should be noted that all three trenches were oriented approximately north-south, and were located adjacent and parallel to the access road, which would make them roughly parallel to the predominant strike of mineralization and structure on the Midas property.

Table Of 2018 Trenches

Trench	Easting	Northing	Size LxDxW metres	Geology	Target	Best Results
T1801	604845	7077650	30 x 1.5 x 1.2	quartz chlorite schist	0.048 ppm Au limonitic soil	2.0m of 1.12 ppm Au fe-carb alt zone with flat Qtz vein
T1802	605474	7077147	12 x 1.5 x 1.2	chlorite schist	82 ppm Pb soil	no significant results
T1803	605202	7077082	25 x 1.5 x 1.2	limonitic quartz chlorite schist	0.302 pm Au limonitic soil	no significant results
T1804	606448	7075925	8 x 2 x 3	quartz chlorite schist	0.066 ppm Au soil	2.5m of 0.202 ppm Au fe-carb alt zone with vertical qtz vein
T1805	606602	7075340	7 x 3 x 2	limonitic quartz chlorite schist	0.043 ppm Au soil, mariposite	no significant results
T1806	606576	7015567	13 x 1.5 x 1.5	quartz chlorite schist	0.034 ppm Au soil	no significant results
T1807	605482	7076354	19 x 1.5 x 1.2	quartz chlorite schist	0.045 ppm Au soil	2.2m of 0.242 ppm Au chlorite schist with no alt or veining
T1808	605292	7076168	42 x 1.5 x 1.2	limonitic chlorite schist	0.079 ppm Au soil	no significant results
T1809	605224	7076070	16 x 1.5 x 1.2	chlorite quartz schist	0.581 ppm Au rock	no significant results
T1810	605260	7077457	48 x 1.5 x 1.2	quartz chlorite schist	0.044 ppm Au soil	16m of 0.153 ppm Au incl numerous mm-scale qtz vns
T1811	605220	7077444	42 x 1.5 x 1.2	chlorite schist	0.044 ppm Au soil	13m of 0.101 ppm Au incl numerous mm-scale qtz vns
T1812	605021	7077707	17 x 1.5 x 1.2	chlorite schist	0.102 ppm Au soil	8m of 0.113 ppm Au incl numerous mm-scale qtz vns
T1813	605126	7077731	8 x 1.5 x 1.2	sheared chlorite biotite schist	0.052 ppm Au soil	no significant results
T1814	605224	7077755	16 x 1.5 x 1.2	sheared chlorite schist	0.06 ppm Au soil	0.5m of 0.169 ppm Au incl narrow fe-carb and qtz frags
T1815	605260	7077751	17 x 1.5 x 1.2	epidote altered schist	0.06 ppm Au soil	no significant results
T1816	605354	7077767	11 x 1.5 x 1.2	fe-carb and silicic schist	0.08 ppm Au soil	4m of 0.54 ppm Au no obvious qtz vns
T1817	604849	7077852	10 x 1.5 x 1.2	chlorite schist	alteration along road	0.3m of 0.123 ppm Au fe-carb alt frags and hairline qv's
T1818	605210	7077824	65 x 1.8 x 1.4	quartz chlorite schist	presumed trend of 2017 veins	2.5m of 0.671 ppm Au fe-carb alt qtz vein zone
T1819	605207	7077836	5 x 1.5 x 3	chlorite schist	expose 2017 vein	1m of 83.5 ppm Au qtz lim vein



115-O-15
Scale: 1:5,000

7078000

7077500

7077000

Midas North Sample Label Map

Soils (Au ppm)

- 0.000 - 0.009
- 0.010 - 0.018
- 0.019 - 0.030
- 0.031 - 0.050
- 0.050 - 0.469

Rocks (Au ppm)

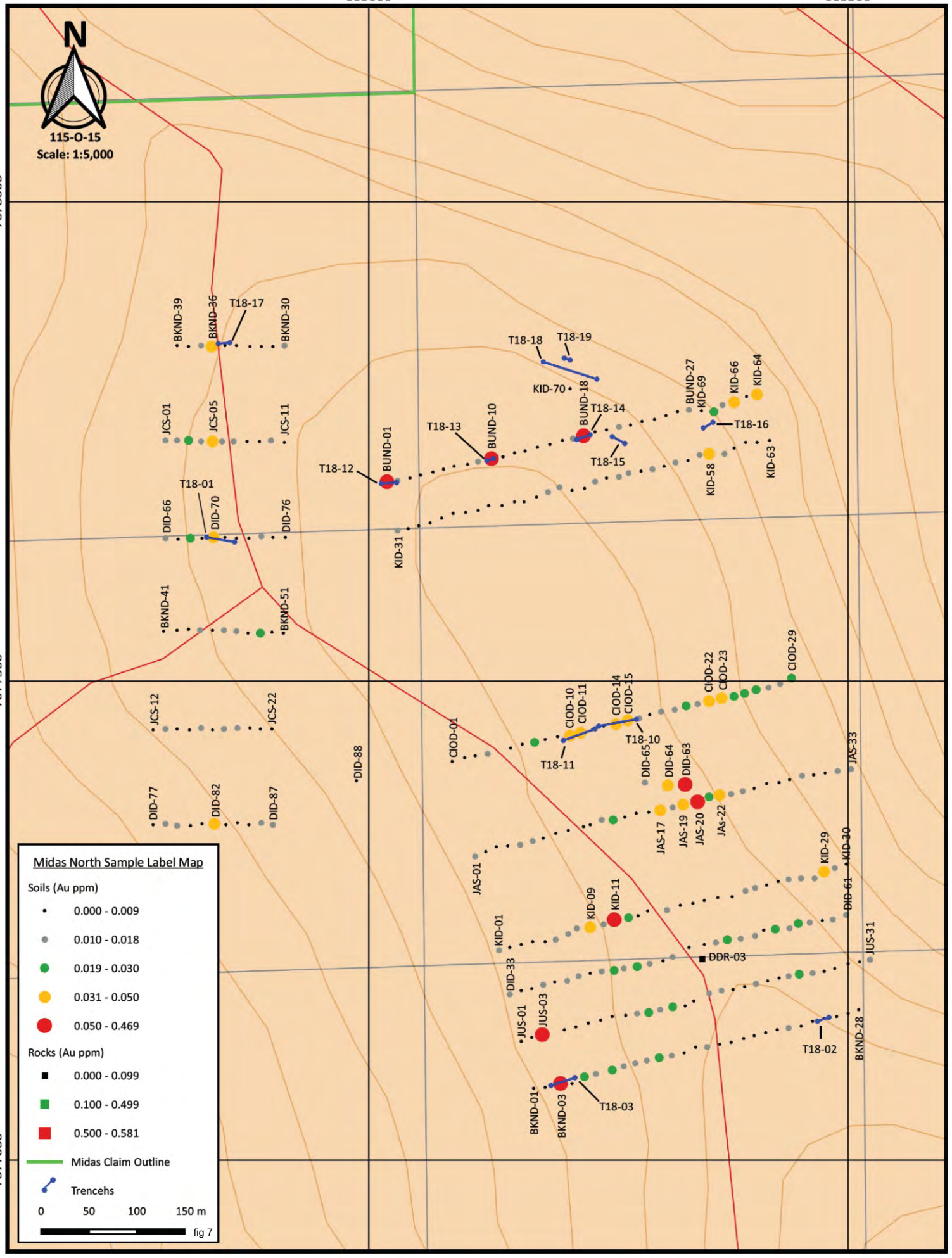
- 0.000 - 0.099
- 0.100 - 0.499
- 0.500 - 0.581

— Midas Claim Outline

— Trenches

0 50 100 150 m

fig 7





115-O-15
Scale: 1:5,000

7078000

7077500

7077000

Midas North Au Map

Soils (Au ppm)

- 0.000 - 0.009
- 0.010 - 0.018
- 0.019 - 0.030
- 0.031 - 0.050
- 0.050 - 0.469

Rocks (Au ppm)

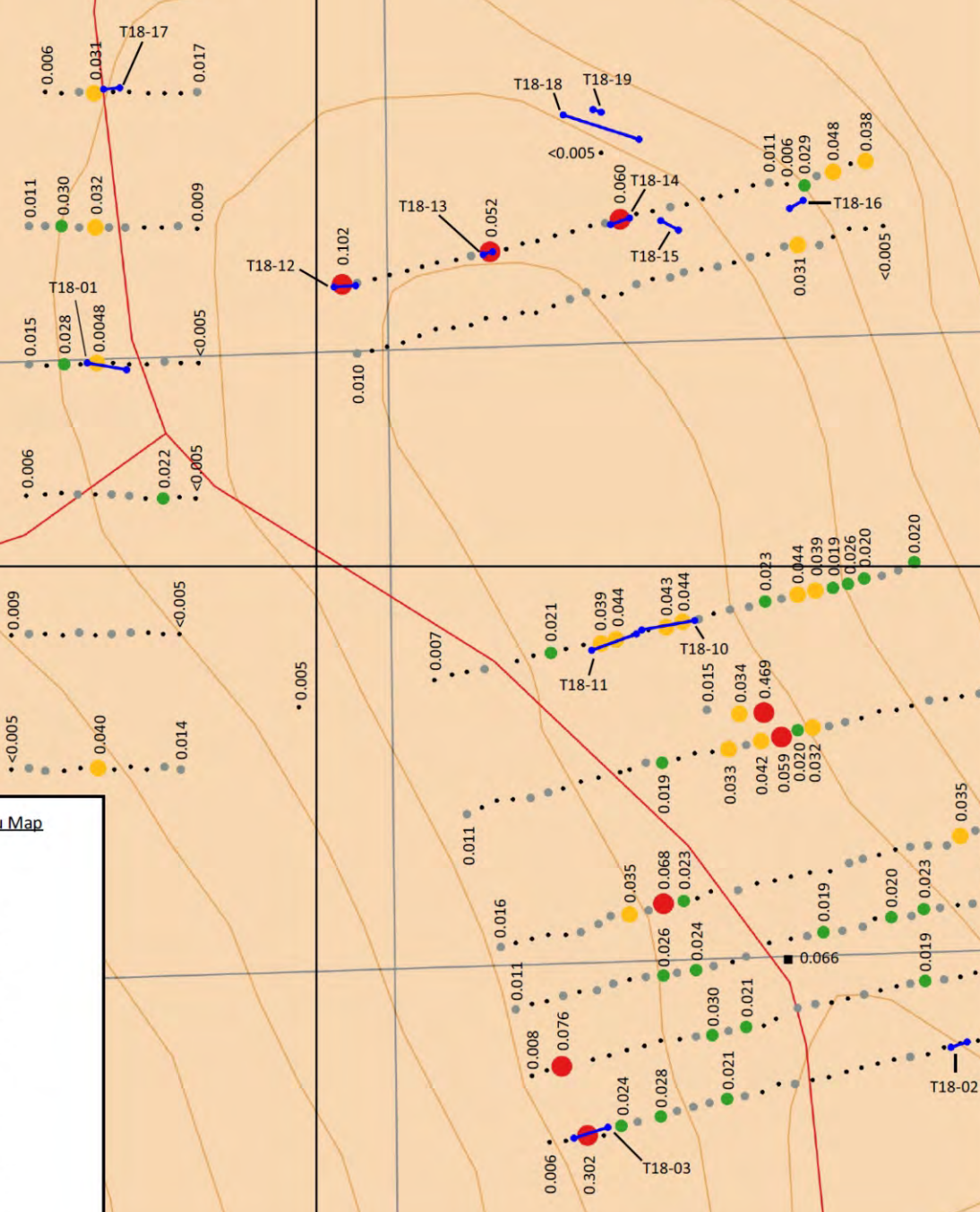
- 0.000 - 0.099
- 0.100 - 0.499
- 0.500 - 0.581

— Midas Claim Outline

— Trenches

0 50 100 150 m

fig 8



605200

605400

605600

7076600

7076400

7076200

7076000



115-O-15
Scale: 1:2,500

• DID-29 •
• DID-28

IOSD-17
DID-21
DID-22
T18-07
KID-89
DID-20

Midas Central Sample Label Map

Soils (Au ppm)

- 0.000 - 0.009
- 0.010 - 0.018
- 0.019 - 0.030
- 0.031 - 0.050
- 0.050 - 0.469

Rocks (Au ppm)

- 0.000 - 0.099
- 0.100 - 0.499
- 0.500 - 0.581

— Midas Claim Outline

— Trenches

0 25 50 75 100 m



605200

605400

605600

7076600

7076400

7076200

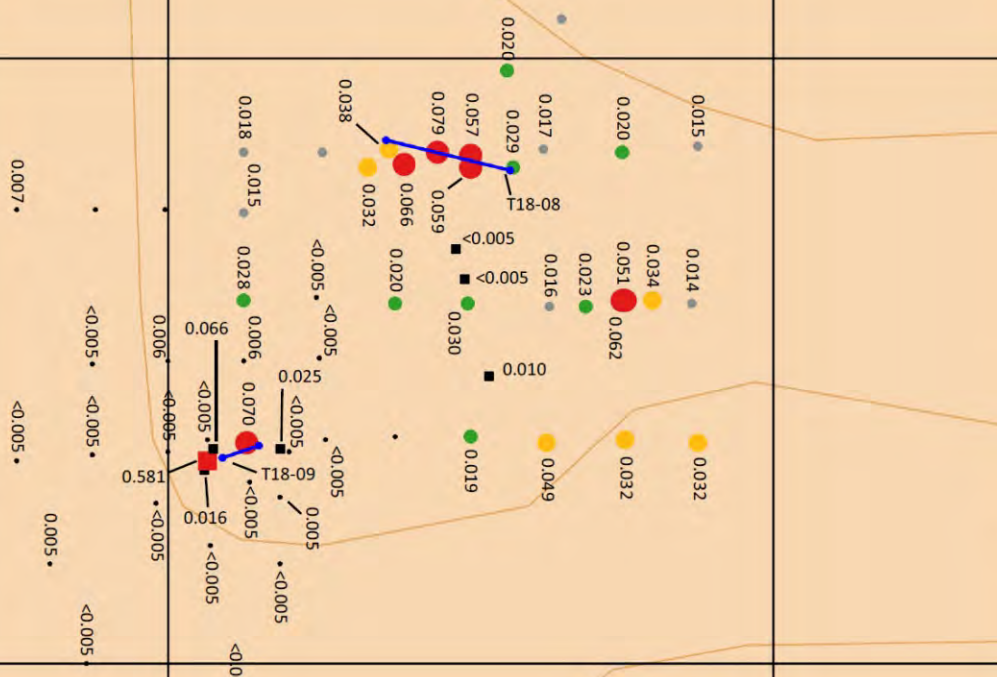
7076000



115-O-15
Scale: 1:2,500

<0.005 •
• 0.006

0.030
0.045
0.015
T18-07
0.020
0.021



Midas Central Au Map

Soils (Au ppm)

- 0.000 - 0.009
- 0.010 - 0.018
- 0.019 - 0.030
- 0.031 - 0.050
- 0.050 - 0.469

Rocks (Au ppm)

- 0.000 - 0.099
- 0.100 - 0.499
- 0.500 - 0.581

— Midas Claim Outline

— Trenches

0 25 50 75 100 m

fig 10

7076000

7075500

7075000



115-O-15
Scale: 1:5,000

TID-03 TIR-05
TID-02 TIR-02,03,04
TIR-01 TID-01

TID-30 TID-32 TID-25
T18-04 TID-14
TID-29 TID-26
TID-31 TIR-16
TID-28 TID-34
TID-33 TID-27

KID-74 KID-75
KID-71 BKND-55
TIR-15 BKND-56
BKND-54
T18-06 IOSD-04
IOSD-01 IOSD-08
IOSD-05
KID-78
KID-53 BKND-52
TID-20 TID-22 TID-23 TID-15
TID-21 TID-19 TID-13
TID-18 TID-24 TID-17
TID-12
TID-11
TIR-13 TIR-12 TID-10

TID-09 TIR-11 TIR-09
TID-08 TIR-10 TIR-08
TID-06 TIR-06 TIR-05
TID-05 TIR-07
TID-04

Midas South Sample Label Map

Soils (Au ppm)

- 0.000 - 0.009
- 0.010 - 0.018
- 0.019 - 0.030
- 0.031 - 0.050
- 0.050 - 0.469

Rocks (Au ppm)

- 0.000 - 0.099
- 0.100 - 0.499
- 0.500 - 0.581

— Midas Claim Outline

— 2018 Midas Trenches

0 50 100 150 200 m

fig 11

7076000

7075500

7075000



115-O-15
Scale: 1:5,000

0.006 0.005
<0.005
<0.005 <0.005, <0.005
<0.005

T18-04
0.018
0.011
0.012
0.015
0.009
0.011
0.008
0.018
0.066
0.010
<0.005

0.012
0.041
0.222
0.011
0.034
T18-06
0.010
0.014
0.006
0.043
0.022
0.007
0.034
<0.005
0.017
0.027
0.021
0.006
0.045
0.026
T18-05
0.023
0.129, 0.005, 0.013
0.024
0.036
0.029
0.019

0.005
<0.005
• <0.005

0.012
<0.005
0.008
0.005
0.007
• 0.005
<0.005
<0.005
0.008
0.006
0.013

Midas South Au Map

Soils (Au ppm)

- 0.000 - 0.009
- 0.010 - 0.018
- 0.019 - 0.030
- 0.031 - 0.050
- 0.050 - 0.469

Rocks (Au ppm)

- 0.000 - 0.099
- 0.100 - 0.499
- 0.500 - 0.581

— Midas Claim Outline

— 2018 Midas Trenches

0 50 100 150 200 m



fig12

Conclusions – Significant gold values have been found within soil and bedrock of the Midas Property. Mineralized showings and anomalies are associated with a moderate thorium low, possibly representing hydrothermal (potassic?) alteration, found within the hanging-wall of a northwest trending regional scale thrust fault represented by a strong first vertical derivative aeromagnetic anomaly. The bedrock source for many of the highest gold soil anomalies remains to be found and much of the property remains un-explored. Excellent access, provided by the ridge road traversing the length of the property, allows for rapid and cost effective exploration.

Recommendations – Further work is recommended. Preliminary efforts should include detailed soil sampling and prospecting designed to expand upon trenches with anomalous gold values as well as to better define soil anomalies that were trenched in 2018 but failed to yield anomalous bedrock values. Areas of particular interest include trenches: T1803, 04, 05, 06, 07, 10, 11, 12, 13, 14, 15, 16, 18 and 19. Detailed soil sampling and prospecting is also required for the following areas: Auger Geology, UKHM 116, Dom North, Dom South, 2018 soil samples: CIOD-22/23, JUM-05/09 and KID-29, and any other untested areas of the property. Geological and structural mapping is required for the area of Trench 18 and Trench 19 in an effort to locate extensions (particularly up-dip or uphill) to the strong and high-grade NNW trending vein located in Trench 19 but which Trench 18 failed to encounter. Targets or anomalies defined by this work should be subjected to an excavator trenching program. Significantly anomalous areas should be further explored with a RC drill program, the scale and extent dependant on previous results.



115-O-15
Scale: 1:125



7077650

7077640

DID-70
0.048 ppm Au

DID-71
0.008 ppm Au



2 3 4 5 6 8 9

Vertical North-Northwest Shearing
Within Sample -04

Midas T1801 (Trench 1)

Soils (Au ppm)

- 0.000 - 0.009
- 0.010 - 0.018
- 0.019 - 0.030
- 0.031 - 0.049
- 0.050 - 1.500

Rocks (Au ppm)

- 0.000 - 0.149
- 0.150 - 0.499
- 0.500 - 3.500

2018 Midas Trenches

Sample	Au ppm	Description
T1801-01	0.019	grab 2cm qtz-calcite vein from within sample 04
T1801-02	<0.005	1.0m chip hematized, limonitic, gougey fault
T1801-03	0.007	8.0m chip weakly carb alt chlorite schist
T1801-04	0.055	1.0m chip as above slightly more carb alt
T1801-05	0.012	6.5m chip weakly carb alt chlorite schist
T1801-06	0.377	2.0m chip iron carb alt schist schist with a flat lying QV
T1801-07	0.018	quartz and iron carb alt schist from within sample 06
T1801-08	1.12	2.0m chip iron carb alt schist schist with a flat lying QV
T1801-09	0.012	2.0m chip carb alt qtz chlorite schist

605470

605475

605480



115-O-15

Scale: 1:50

0 0.5 1 m



7077150

7077145

BKND-25
82 ppm Pb

1

2

3

Midas T1802 (Trench 2)

Soils (Au ppm)

- 0.000 - 0.009
- 0.010 - 0.018
- 0.019 - 0.030
- 0.031 - 0.049
- 0.050 - 1.500

Rocks (Au ppm)

- 0.000 - 0.149
- 0.150 - 0.499
- 0.500 - 3.500

- 2018 Midas Trenches

Sample	Au ppm	Description
T1802-01	0.009	quartz material from trench rubble
T1802-02	0.007	weakly pyritic chlorite schist
T1802-03	0.022	12.0m chip chlorite schist with boudinaged qtz veins

605190

605200

605210

N



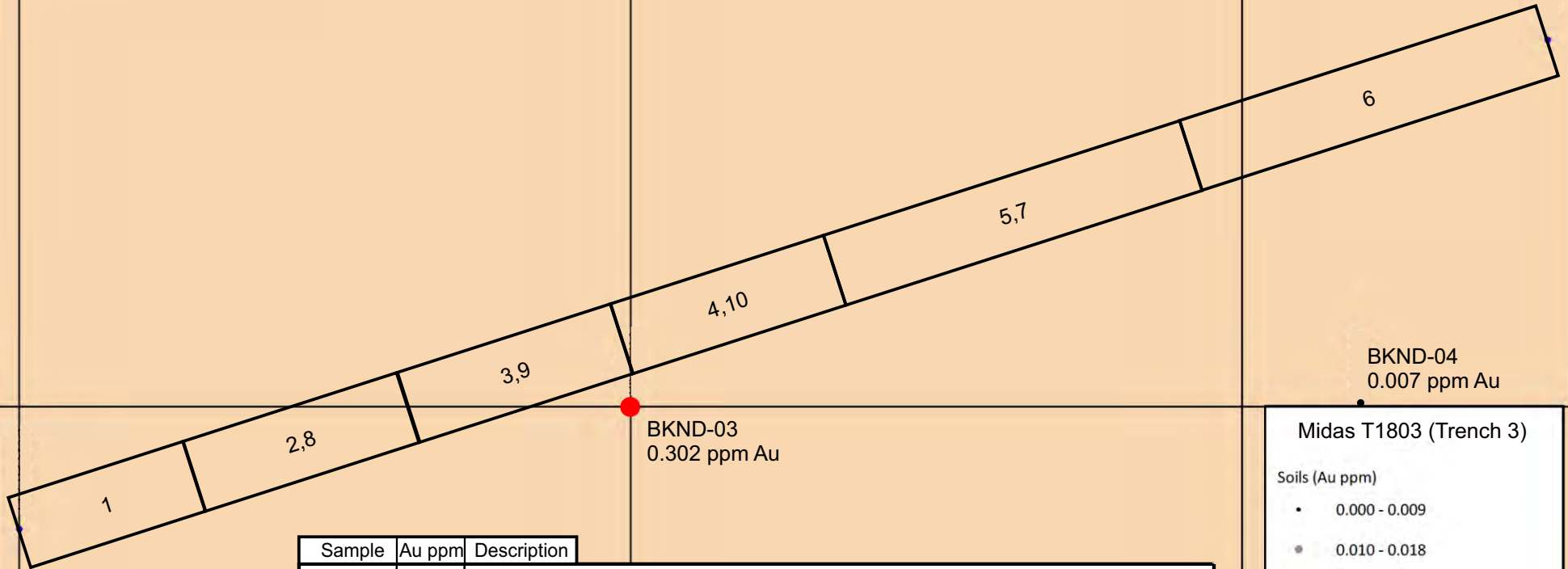
115-O-15
Scale: 1:100

0 1 2 m



707090

707080



BKND-03
0.302 ppm Au

BKND-04
0.007 ppm Au

Sample	Au ppm	Description
T1803-01	0.007	3.0m chip crenulated chlorite qtz schist
T1803-02	0.02	3.6m chip weakly pyritic and limonitic heavily sheared qtz chlorite schist
T1803-03	0.013	3.6m chip weakly pyritic and limonitic heavily sheared qtz chlorite schist
T1803-04	0.014	3.6m chip weakly pyritic and limonitic heavily sheared qtz chlorite schist
T1803-05	0.019	6.1m chip weakly pyritic and limonitic chlorite qtz schist
T1803-06	0.007	6.1m chip weakly pyritic and limonitic chlorite qtz schist
T1803-07	0.057	rep grab limonitic chlorite schist with qtz boudins and tr py
T1803-08	0.025	1.0m vertical chip within -02
T1803-09	0.017	1.0m vertical chip within -03
T1803-10	0.016	1.0m vertical chip within -04

Midas T1803 (Trench 3)

Soils (Au ppm)

- 0.000 - 0.009
- 0.010 - 0.018
- 0.019 - 0.030
- 0.031 - 0.049
- 0.050 - 1.500

Rocks (Au ppm)

- 0.000 - 0.149
- 0.150 - 0.499
- 0.500 - 3.500
- 2018 Midas Trenches



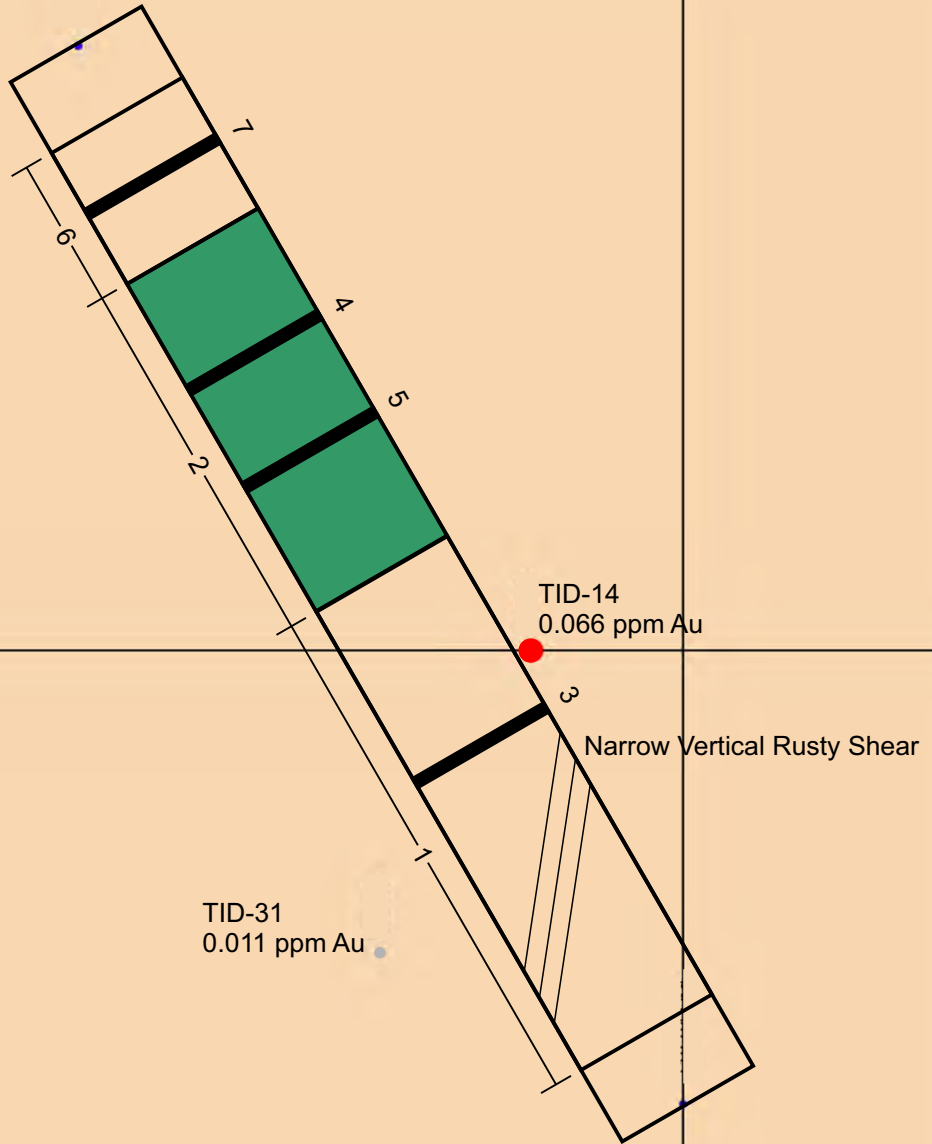
115-O-15
Scale: 1:50

0 1 2 m

7075930

7075925

7075920



Midas T1804 (Trench 4)

Soils (Au ppm)

- 0.000 - 0.009
- 0.010 - 0.018
- 0.019 - 0.030
- 0.031 - 0.049
- 0.050 - 1.500

Rocks (Au ppm)

- 0.000 - 0.149
- 0.150 - 0.499
- 0.500 - 3.500
- 2018 Midas Trenches

Sample	Au ppm	Description
T1804-01	0.006	3.5m chip qtz chlorite schist with trace diss py
T1804-02	0.202	2.5m chip weakly iron-carb alt qtz chlorite schist
T1804-03	0.008	grab 0.5cm qtz vein with fe-carb on selvages, within -01
T1804-04	0.03	as above within -02
T1804-05	0.01	iron-carb altered and limonitic shear within -02
T1804-06	0.065	1.0m chip cut by 2x0.5cm qtz veins with fe-carb selvages
T1804-07	0.037	grab 5.0cm qtz-carb vein with chlorite in core, within -06



7075342

7075340

7075338

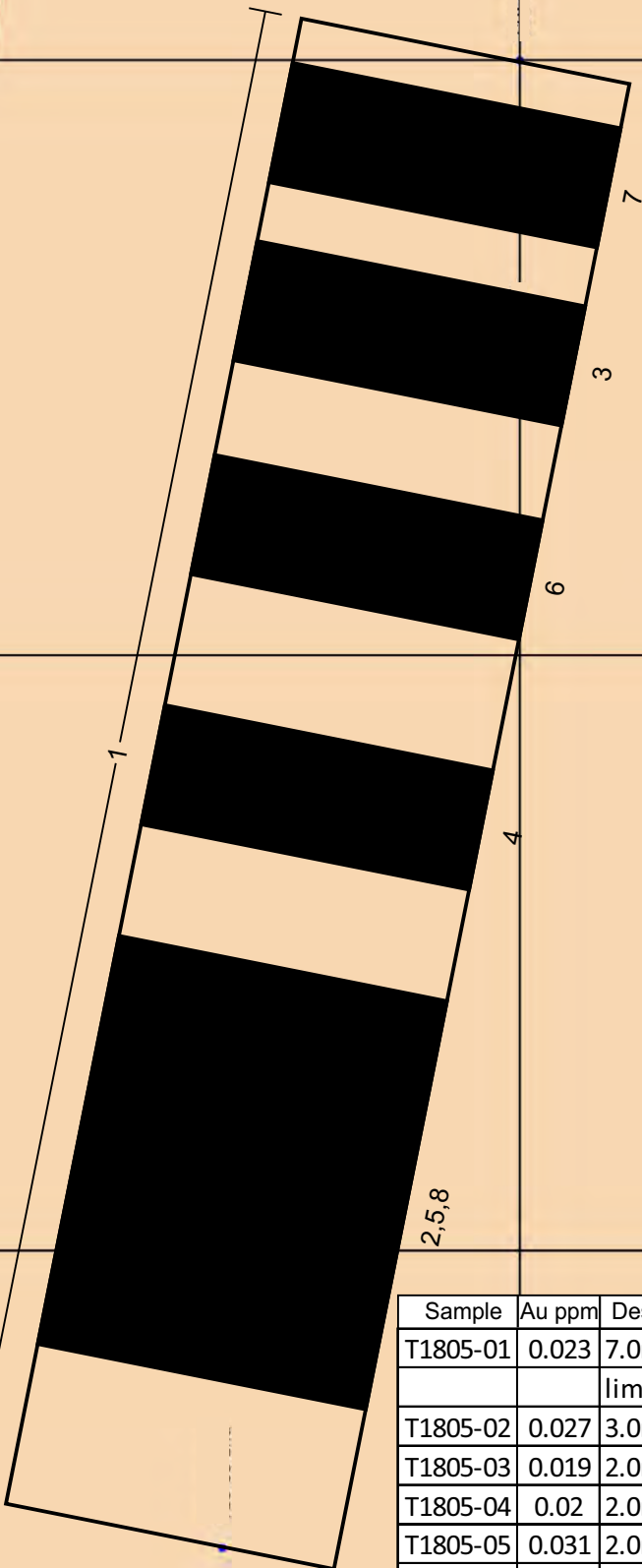
Midas T1805 (Trench 5)

Soils (Au ppm)

- 0.000 - 0.009
- 0.010 - 0.018
- 0.019 - 0.030
- 0.031 - 0.049
- 0.050 - 1.500

Rocks (Au ppm)

- 0.000 - 0.149
- 0.150 - 0.499
- 0.500 - 3.500
- 2018 Midas Trenches



Sample	Au ppm	Description
T1805-01	0.023	7.0m chip heavily sheared and limonitic qtz chlorite schist
T1805-02	0.027	3.0m chip as and within above
T1805-03	0.019	2.0m vertical chip within-01
T1805-04	0.02	2.0m vertical chip within-01
T1805-05	0.031	2.0m vertical chip within-01
T1805-06	0.021	rep grabs of NW trending quartz lined fractures
T1805-07	0.018	rep grabs of mariposite schist
T1805-08	0.015	quartz boudin from within -01



Sample	Au ppm	Description
T1806-01	0.014	1.0m chip weakly sheared and limonitic qtz chlorite schist
T1806-02	0.018	12.0m chip qtz chlorite schist
T1806-03	0.009	rep grab 0.5cm qtz vn with fe-carb alt selvages, appears flat-lying

7075570

7075565

BKND-54
0.034 ppm Au

Midas T1806 (Trench 6)

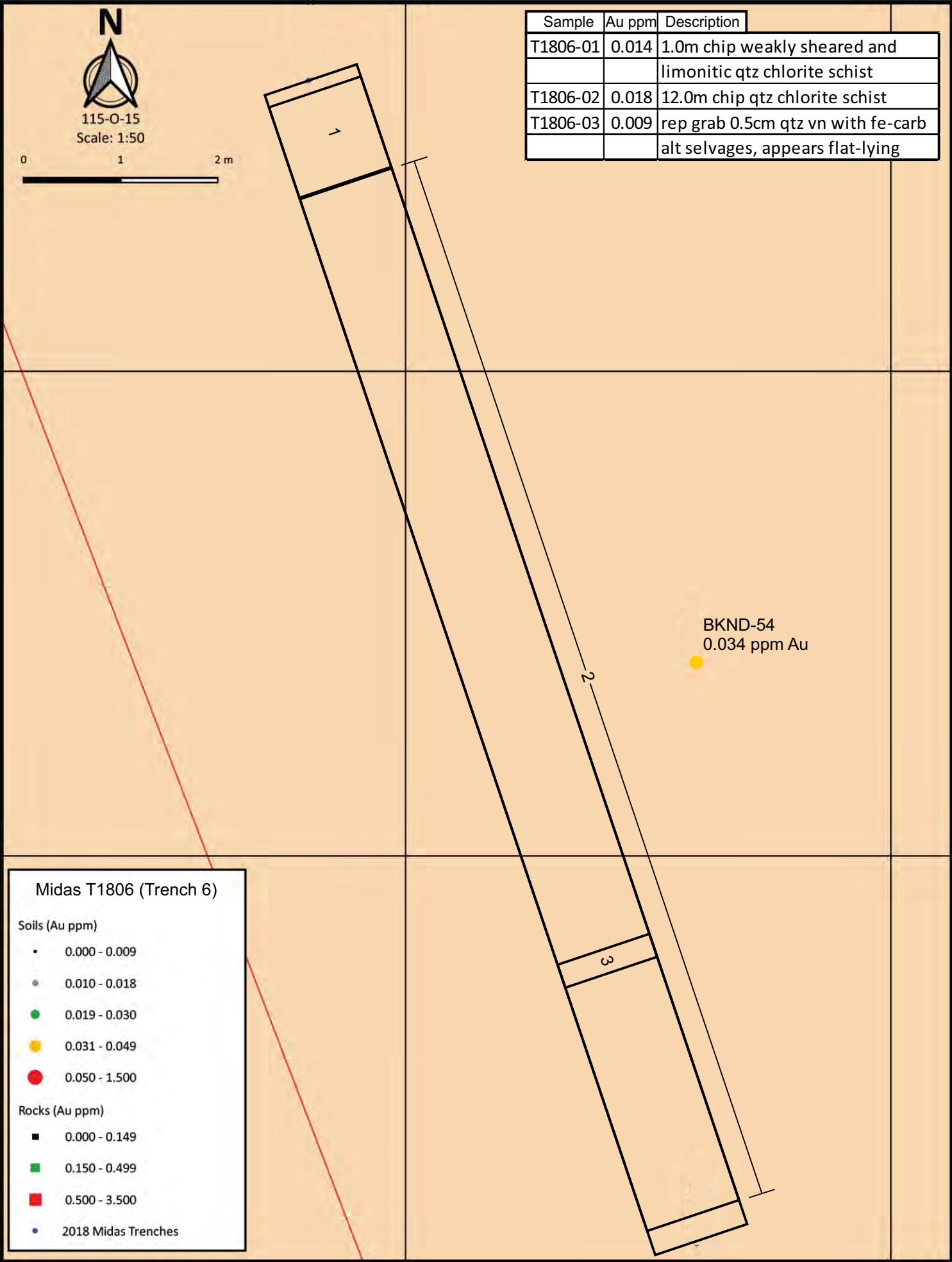
Soils (Au ppm)

- 0.000 - 0.009
- 0.010 - 0.018
- 0.019 - 0.030
- 0.031 - 0.049
- 0.050 - 1.500

Rocks (Au ppm)

- 0.000 - 0.149
- 0.150 - 0.499
- 0.500 - 3.500

• 2018 Midas Trenches





115-O-15

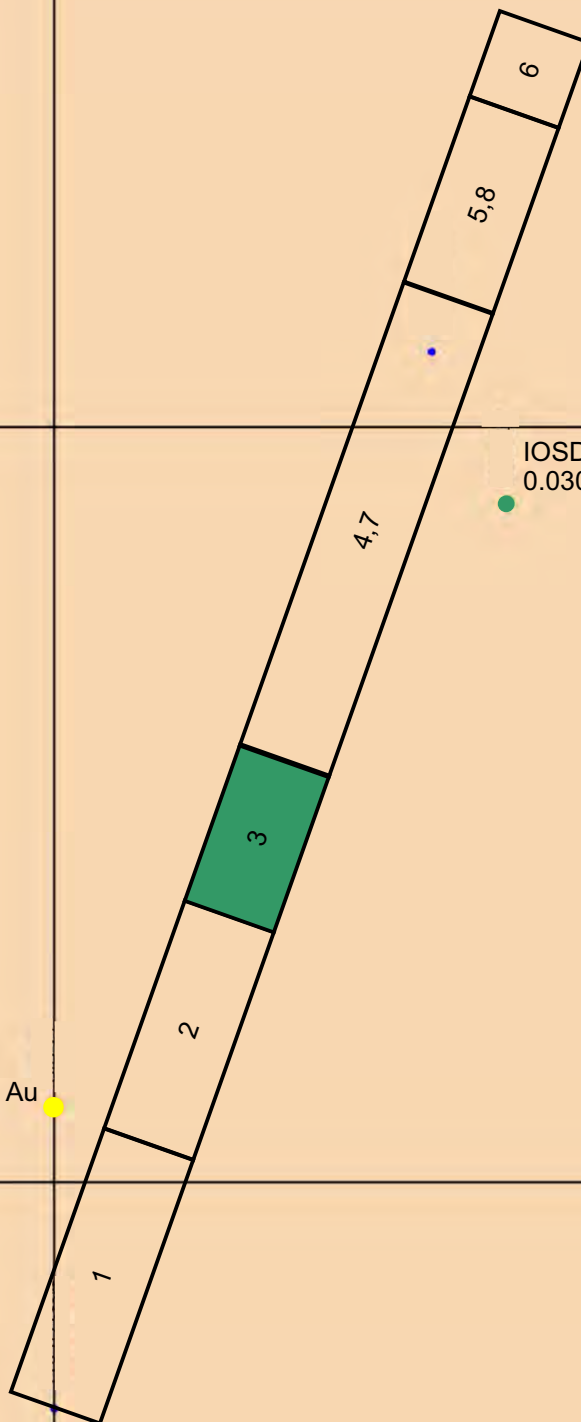
Scale: 1:100

0 1 2 m



7076360

7076350



Midas T1807 (Trench 7)

Soils (Au ppm)

- 0.000 - 0.009
- 0.010 - 0.018
- 0.019 - 0.030
- 0.031 - 0.049
- 0.050 - 1.500

Rocks (Au ppm)

- 0.000 - 0.149
- 0.150 - 0.499
- 0.500 - 3.500

• 2018 Midas Trenches

Sample	Au ppm	Description
T1807-01	0.036	3.7m chip quartz chlorite schist
T1807-02	0.094	3.2m chip quartz chlorite schist
T1807-03	0.242	2.2m chip quartz chlorite schist
T1807-04	0.044	6.5m chip quartz chlorite schist
T1807-05	0.022	2.6m chip quartz chlorite schist
T1807-06	0.031	1.2m chip quartz chlorite schist
T1807-07	0.009	rep grab quartz stringer with weak fe-carb selvages in -04
T1807-08	0.048	rep grab rusty limonitic zone within -05

605280

605300

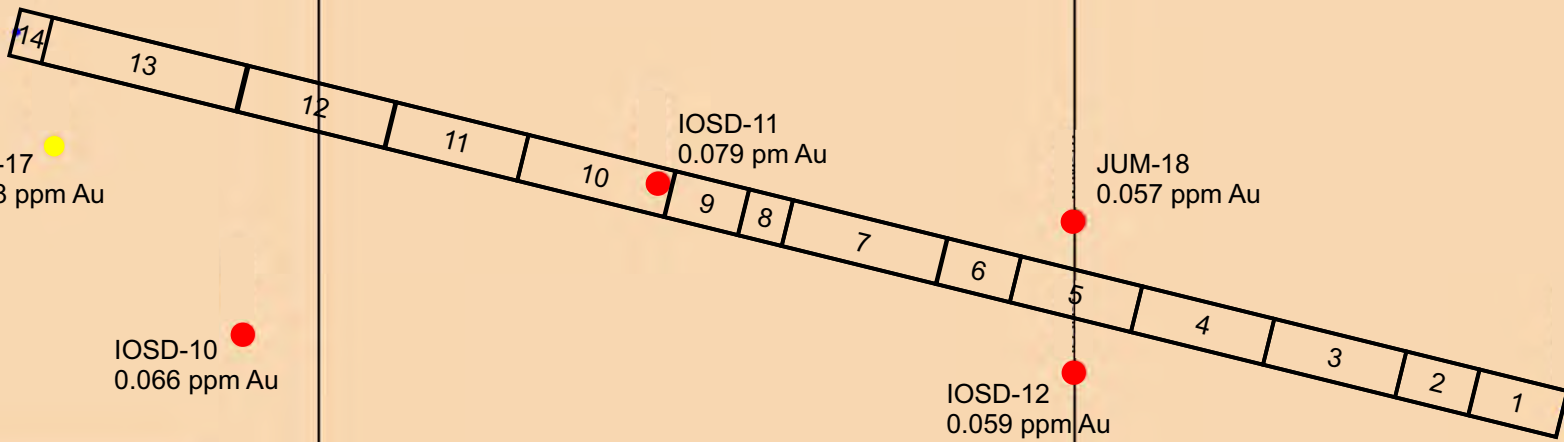
7076180

7076160



115-O-15
Scale: 1:200

0 2 4 m



JUM-17
0.038 ppm Au

IOSD-10
0.066 ppm Au

IOSD-11
0.079 pm Au

JUM-18
0.057 ppm Au

IOSD-12
0.059 ppm Au

IOSD-13
0.029 ppm Au

Midas T1808 (Trench 8)

Soils (Au ppm)

- 0.000 - 0.009
- 0.010 - 0.018
- 0.019 - 0.030
- 0.031 - 0.049
- 0.050 - 1.500

Rocks (Au ppm)

- 0.000 - 0.149
- 0.150 - 0.499
- 0.500 - 3.500

• 2018 Midas Trenches

Sample	Au ppm	Description
T1808-01	0.016	sheared limonitic quartz chlorite schist with 1% py
T1808-02	0.027	sheared limonitic quartz chlorite schist with 1% py
T1808-03	0.026	sheared limonitic quartz chlorite schist with 1% py
T1808-04	0.031	sheared limonitic quartz chlorite schist with 1% py
T1808-05	0.044	sheared limonitic quartz chlorite schist with 1% py
T1808-06	0.029	sheared limonitic quartz chlorite schist with 1% py
T1808-07	0.024	sheared limonitic quartz chlorite schist with 1% py
T1808-08	0.02	sheared limonitic quartz chlorite schist with 1% py
T1808-09	0.018	sheared limonitic quartz chlorite schist with 1% py
T1808-10	0.025	sheared limonitic quartz chlorite schist with 1% py
T1808-11	0.029	sheared limonitic quartz chlorite schist with 1% py
T1808-12	0.045	sheared limonitic quartz chlorite schist with 1% py
T1808-13	0.027	sheared limonitic quartz chlorite schist with 1% py
T1808-14	0.046	weakly limonitic quartz chlorite schist with tr py

605220

605225

605230



115-O-15

Scale: 1:50

0 0.5 1 m



JUM-01
0.070 ppm Au



1

2

3

5

4

Midas T1809 (Trench 9)

Soils (Au ppm)

- 0.000 - 0.009
- 0.010 - 0.018
- 0.019 - 0.030
- 0.031 - 0.049
- 0.050 - 1.500

Rocks (Au ppm)

- 0.000 - 0.149
- 0.150 - 0.499
- 0.500 - 3.500

- 2018 Midas Trenches

Sample	Au ppm	Description
T1809-01	0.07	0.3m chip fe-carb alt qtz chlorite schist with qtz lined fractures, within -05
T1809-02	0.013	as above 1.2m chip from within -04
T1809-03	0.023	as per -01, 0.9m chip from within -04
T1809-04	0.007	8.0m chip chlorite quartz schist
T1809-05	0.007	8.0m chip chlorite quartz schist

7076070

7076065

605250

605265

605280



115-O-15

Scale: 1:200

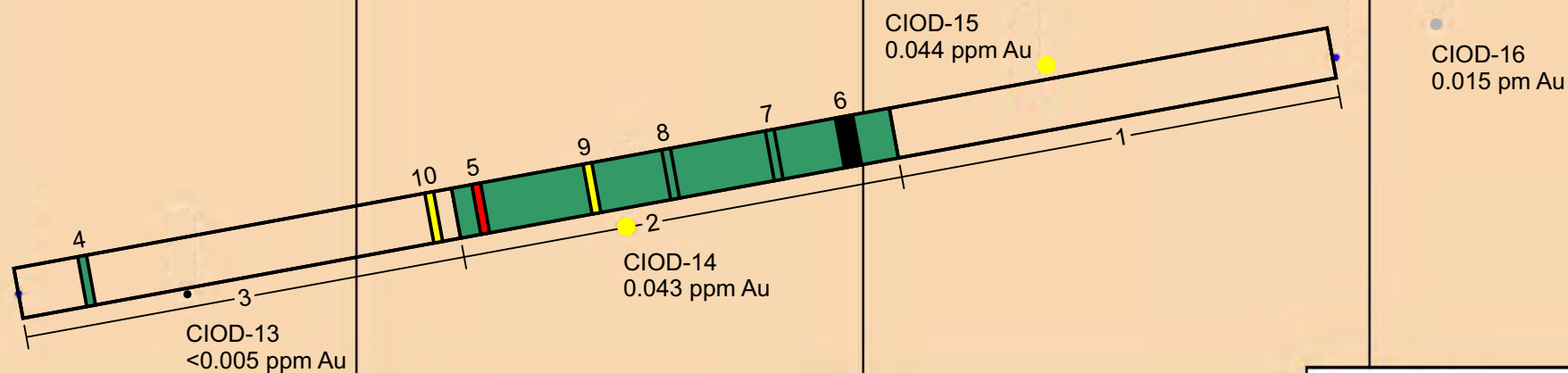
0 2 4 m



7077465

7077450

77435



Sample	Au ppm	Description
T1810-01	0.008	13.3m chip quartz chlorite schist
T1810-02	0.153	13.3m chip quartz chlorite schist
T1810-03	0.025	13.3m chip quartz chlorite schist
T1810-04	0.107	10cm sample of 2cm wide qtz vein with fe-carb alt selvages, within -03
T1810-05	3.04	10cm sample of 0.5cm wide qtz vein with fe-carb alt selvages, within -02
T1810-06	0.013	north striking vertical 40cm wide shear zone, within -02
T1810-07	0.148	qtz stringers with weak fe-carb haloes and hematized wallrock, within -02
T1810-08	0.249	10cm sample of 0.5cm wide qtz vein with fe-carb alt selvages, within -02
T1810-09	0.555	flat lying qtz vein or boudin with fe-carb selvages, rep grabs, within -02
T1810-10	0.59	10cm sample of 0.5cm wide qtz vein with fe-carb alt selvages, within -03

Midas T1810 (Trench 10)

Soils (Au ppm)

- 0.000 - 0.009
- 0.010 - 0.018
- 0.019 - 0.030
- 0.031 - 0.049
- 0.050 - 1.500

Rocks (Au ppm)

- 0.000 - 0.149
- 0.150 - 0.499
- 0.500 - 3.500
- 2018 Midas Trenches

605205

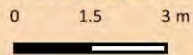
605220

605235



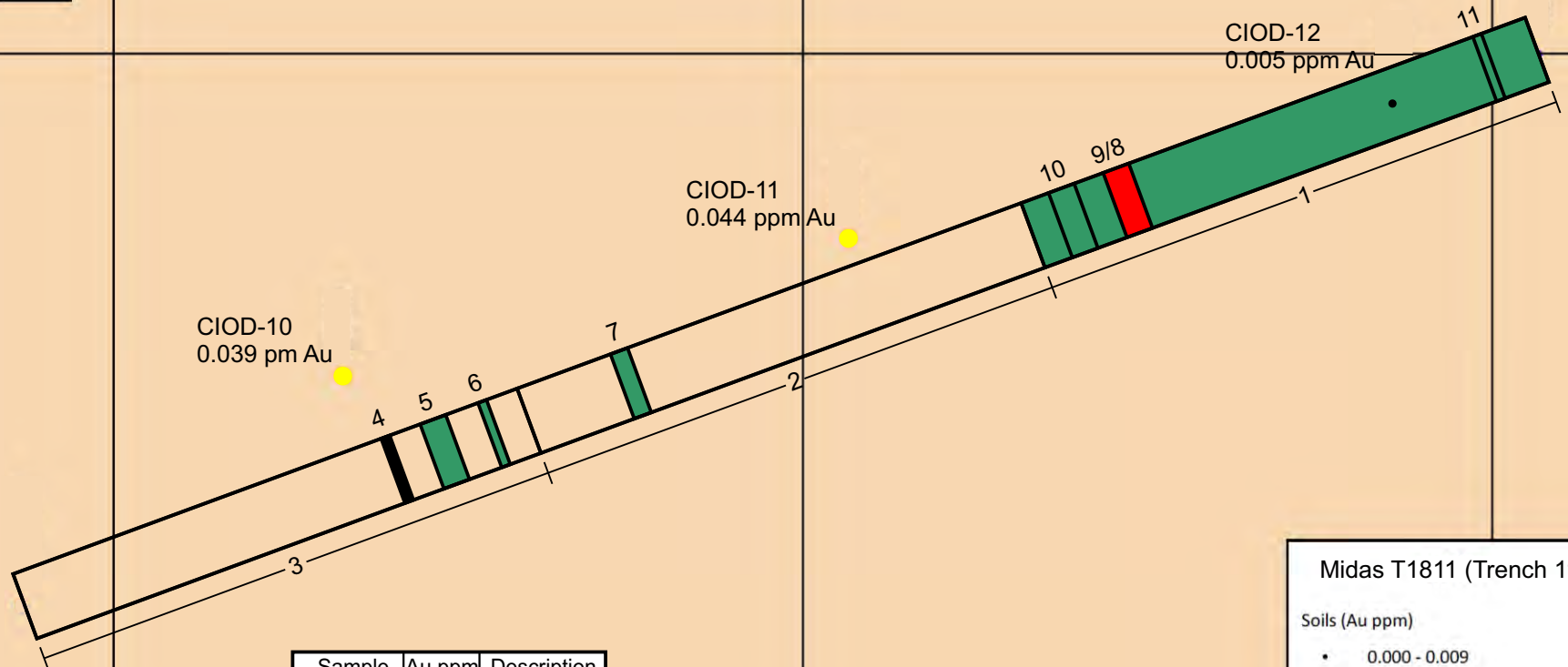
115-O-15

Scale: 1:150



707450

707435



Sample	Au ppm	Description
T1811-01	0.101	11.7m chip sample chlorite qtz schist
T1811-02	0.091	11.7m chip sample chlorite qtz schist
T1811-03	0.022	11.7m chip sample chlorite qtz schist
T1811-04	0.07	10cm sample of 0.5cm qtz vn and fe-carb alt wallrock, within -03
T1811-05	0.108	30cm sample of 3x 0.5cm qtz vns and fe-carb alt wallrock, within -03
T1811-06	0.18	10cm sample of 0.5cm qtz vn and fe-carb alt wallrock, within -03
T1811-07	0.49	20cm sample of 2x 0.5cm qtz vns and fe-carb alt wallrock, within -02
T1811-08	1.38	30cm sample of 3x 0.5cm qtz vns and fe-carb alt wallrock, within -01
T1811-09	0.557	split from above sample
T1811-10	0.312	30cm sample of possible vn or boudin nice fe-carb, within -01
T1811-11	0.114	10cm sample of 0.5cm qtz vn and fe-carb alt wallrock, within -01

Midas T1811 (Trench 11)

Soils (Au ppm)

- 0.000 - 0.009
- 0.010 - 0.018
- 0.019 - 0.030
- 0.031 - 0.049
- 0.050 - 1.500

Rocks (Au ppm)

- 0.000 - 0.149
- 0.150 - 0.499
- 0.500 - 3.500
- 2018 Midas Trenches

605010

605020

605030



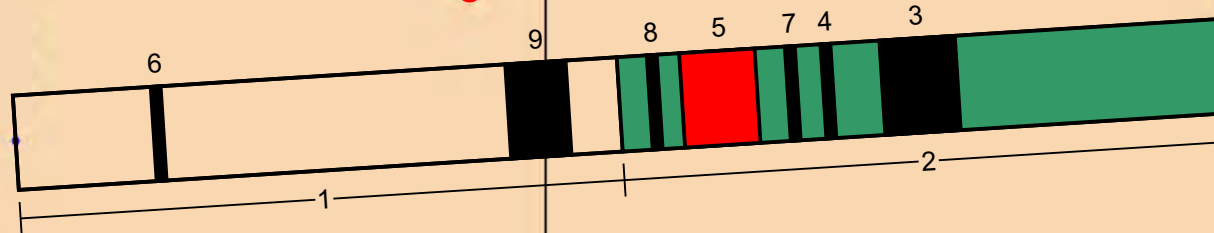
115-O-15

Scale: 1:100

0 1 2 m



707710

BUND-02
0.018 ppm AuBUND-01
0.102 ppm Au

Midas T1812 (Trench 12)

Soils (Au ppm)

- 0.000 - 0.009
- 0.010 - 0.018
- 0.019 - 0.030
- 0.031 - 0.049
- 0.050 - 1.500

Rocks (Au ppm)

- 0.000 - 0.149
- 0.150 - 0.499
- 0.500 - 3.500

- 2018 Midas Trenches

Sample	Au ppm	Description
T1812-01	0.006	8.0m chip chlorite schist
T1812-02	0.113	8.0m chip quartz chlorite schist
T1812-03	0.006	1.0m channel sheared and fe-carb altered schist, within -02
T1812-04	0.005	10cm sample of 2cm wide qtz vein with fe-carb alt selvages, within -02
T1812-05	3.13	1.0m panel over 0.15cm qtz vein and fe-carb alt wallrock, within -02
T1812-06	0.007	10cm sample of hairline qtz vein with fe-carb alt selvages, within -01
T1812-07	0.027	10cm sample of 2cm wide qtz vein with fe-carb alt selvages, within -02
T1812-08	0.095	10cm sample of 2cm wide qtz vein with fe-carb alt selvages, within -02
T1812-09	0.006	0.8m x 0.8m panel sheared pyritic schist with qtz boudins, within -01

707700

605120

605125

605130

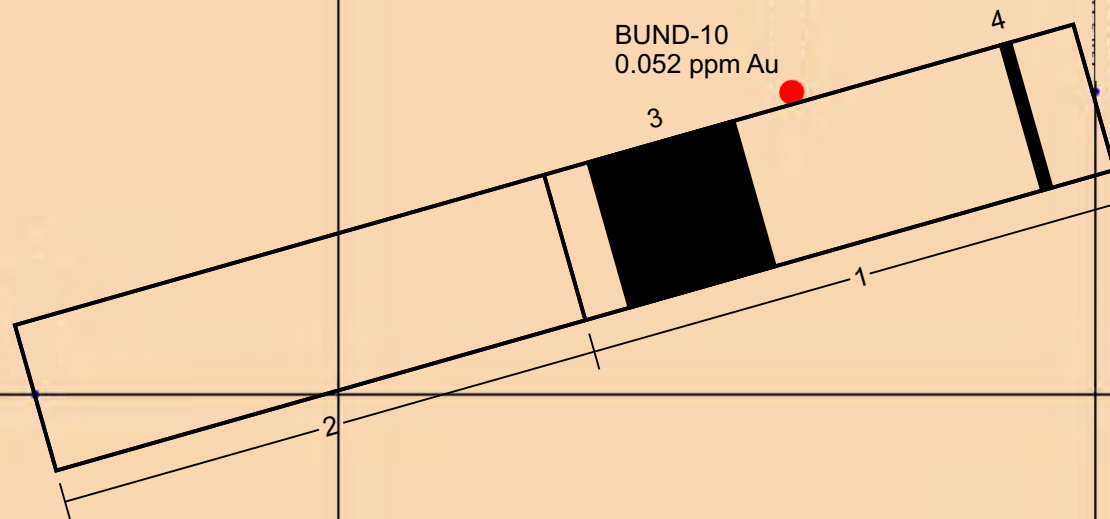
N



115-O-15

Scale: 1:50

0 0.5 1 m



Midas T1813 (Trench 13)

Soils (Au ppm)

- 0.000 - 0.009
- 0.010 - 0.018
- 0.019 - 0.030
- 0.031 - 0.049
- 0.050 - 1.500

Rocks (Au ppm)

- 0.000 - 0.149
- 0.150 - 0.499
- 0.500 - 3.500

- 2018 Midas Trenches

Sample	Au ppm	Description
T1813-01	0.011	3.6m chip sheared chlorite biotite schist
T1813-02	0.02	3.6m chip sheared chlorite biotite schist
T1813-03	0.064	10cm sample of 0.5cm qtz vein with fe-carb alt selvages, within -01
T1813-04	0.009	1m x 1m panel sample sheared and fractured schist

707735

707730

605220

605230



115-O-15
Scale: 1:100

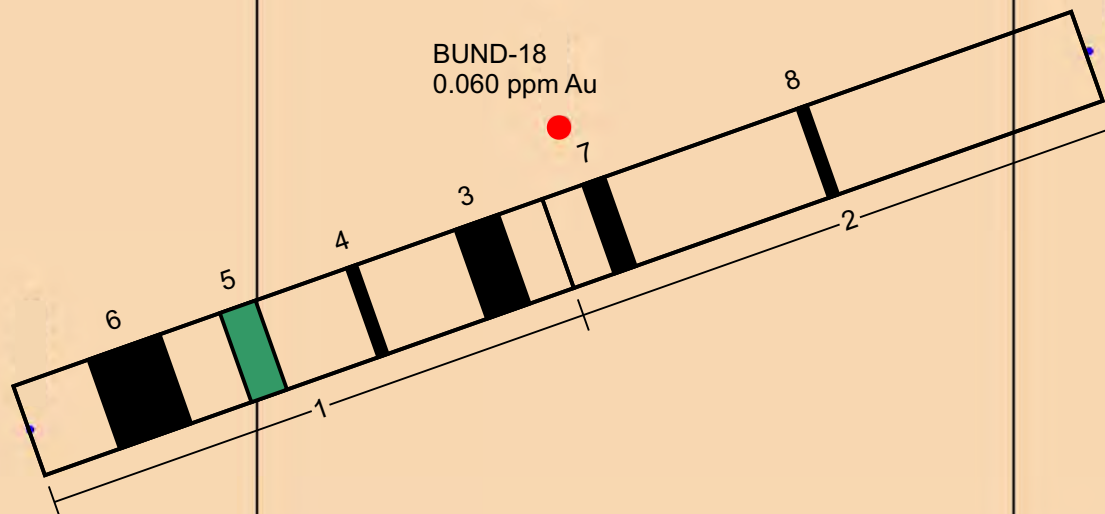
0 1 2 m



BUND-19
0.007 ppm Au

BUND-18
0.060 ppm Au

BUND-17
0.012 ppm Au



Midas T1814 (Trench 14)

Soils (Au ppm)

- 0.000 - 0.009
- 0.010 - 0.018
- 0.019 - 0.030
- 0.031 - 0.049
- 0.050 - 1.500

Rocks (Au ppm)

- 0.000 - 0.149
- 0.150 - 0.499
- 0.500 - 3.500

- 2018 Midas Trenches

Sample	Au ppm	Description
T1814-01	0.022	7.4m chip sheared weakly hematitic chlorite schist
T1814-02	0.006	7.4m chip sheared weakly hematitic chlorite schist
T1814-03	0.01	0.6m chip limonitic shear zone, within -01
T1814-04	0.019	10cm sample of 2cm wide qtz vein with fe-carb alt selvages, within -01
T1814-05	0.169	50cm sample of hairline qtz veins with fe-carb alt selvages, within -01
T1814-06	0.006	1.0m clayey gouge shear, within -01
T1814-07	0.011	0.3m as above, within -02
T1814-08	0.005	10cm sample of 1cm wide qtz vein with fe-carb alt selvages, within -02

707760

707750

605250

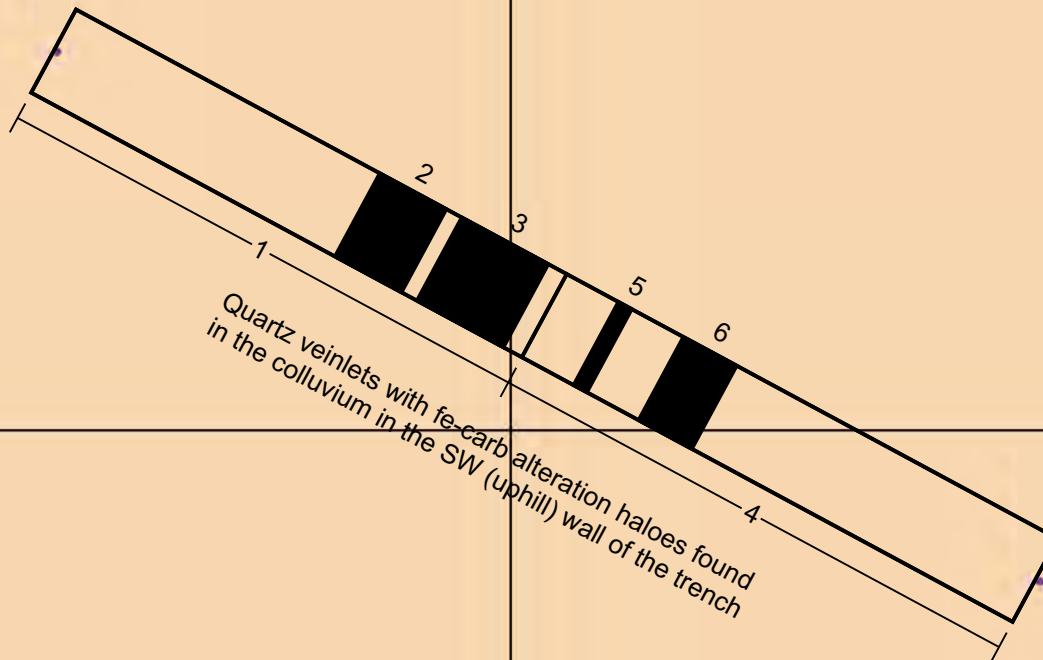
605260

605270

N

115-O-15
Scale: 1:100

0 1 2 m



Midas T1815 (Trench 15)

Soils (Au ppm)

- 0.000 - 0.009
- 0.010 - 0.018
- 0.019 - 0.030
- 0.031 - 0.049
- 0.050 - 1.500

Rocks (Au ppm)

- 0.000 - 0.149
- 0.150 - 0.499
- 0.500 - 3.500

- 2018 Midas Trenches

Sample	Au ppm	Description
T1815-01	0.019	7.4m chip of weakly pyritic and carb/epidote alt qtz biotite schist
T1815-02	0.014	1.0m panel of sheeted flat lying vein set with epidote, within -01
T1815-03	0.005	1.3m channel as above but less veins, within -01
T1815-04	0.006	7.4m chip of weakly pyritic and carb/epidote alt qtz biotite schist
T1815-05	0.013	0.2m sample of qtz epidote stkwk cutting epidote alt schist, within -04
T1815-06	0.008	0.8m panel of sheeted flat lying vein set with epidote, within -04

707760

707750

605350

605355

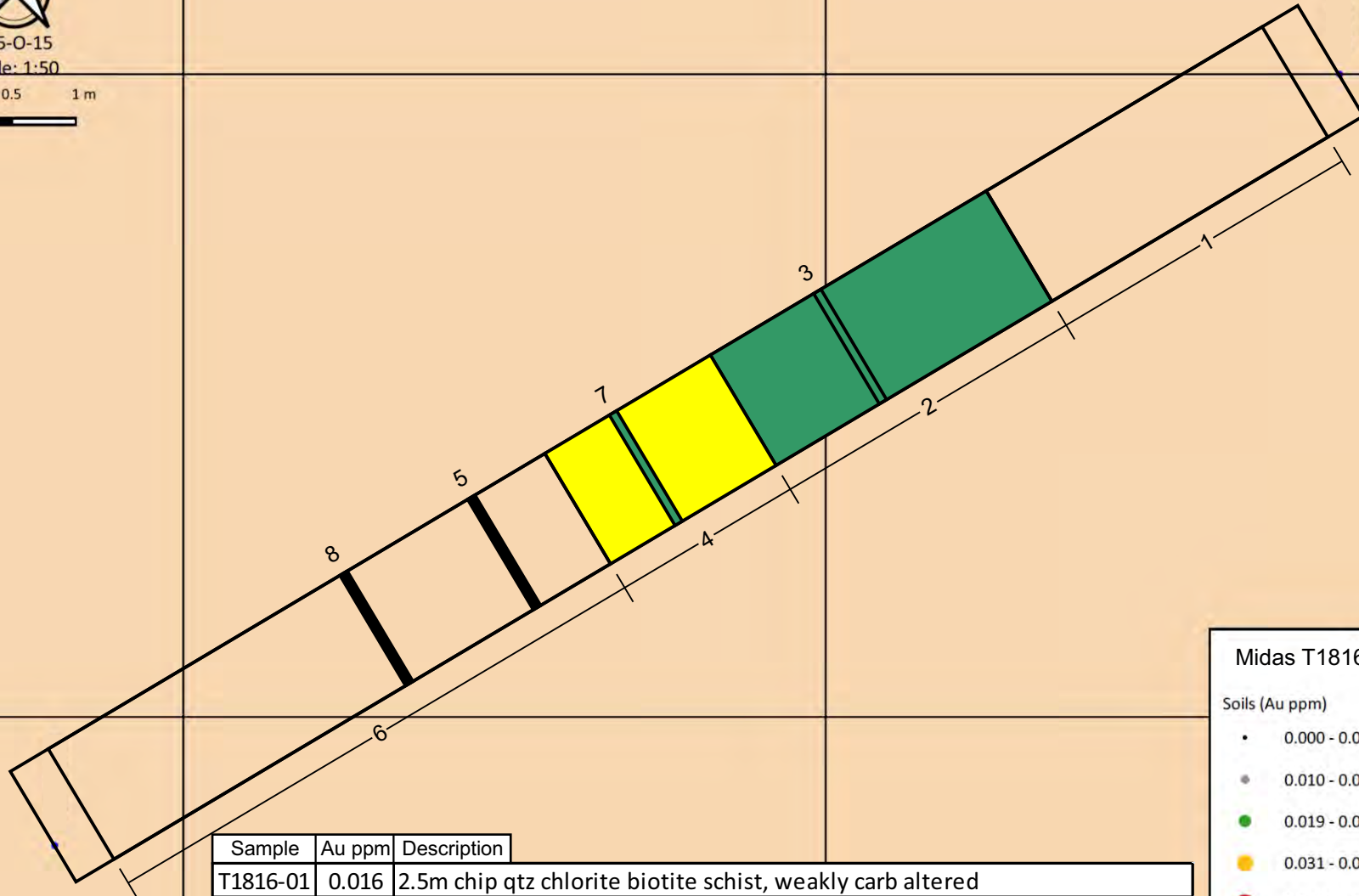
605360



115-O-15

Scale: 1:50

0 0.5 1 m



Sample	Au ppm	Description
T1816-01	0.016	2.5m chip qtz chlorite biotite schist, weakly carb altered
T1816-02	0.339	2.5m chip heavily fe-carb alt and silicic weakly pyritized schist
T1816-03	0.185	rep grabs of narrow discontinuous offset veins, within -02
T1816-04	0.742	1.5m chip heavily fe-carb alt and silicic weakly pyritized schist
T1816-05	0.007	rep grabs of veining from within -06
T1816-06	0.012	4.5m chip chlorite schist with tr diss py and numerous mm-scale qtz veins
T1816-07	0.486	rep grabs of narrow discontinuous offset veins, within -04
T1816-08	<0.005	rep grabs of veining from within -06

Midas T1816 (Trench 16)

Soils (Au ppm)

- 0.000 - 0.009
- 0.010 - 0.018
- 0.019 - 0.030
- 0.031 - 0.049
- 0.050 - 1.500

Rocks (Au ppm)

- 0.000 - 0.149
- 0.150 - 0.499
- 0.500 - 3.500
- 2018 Midas Trenches

707770

707765

604845

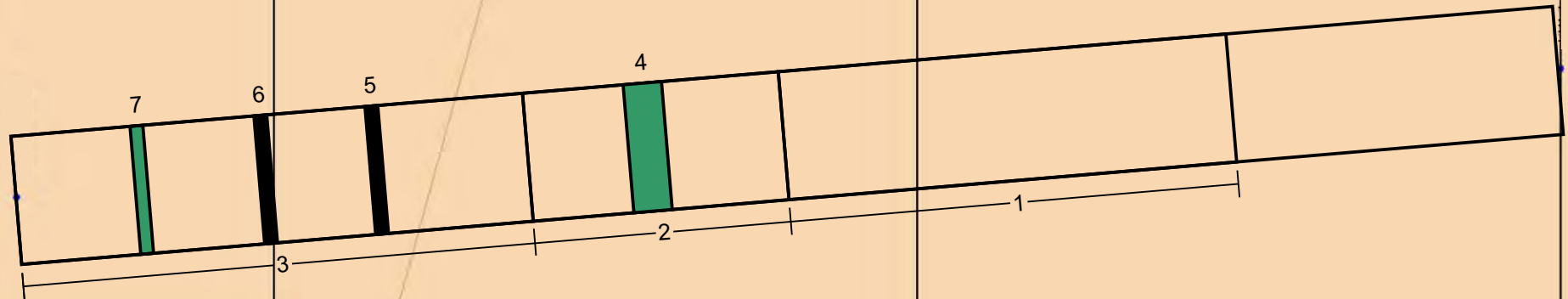
604850

604855



115-O-15
Scale: 1:50

0 0.5 1 m



Midas T1817 (Trench 17)

Soils (Au ppm)

- 0.000 - 0.009
- 0.010 - 0.018
- 0.019 - 0.030
- 0.031 - 0.049
- 0.050 - 1.500

Rocks (Au ppm)

- 0.000 - 0.149
- 0.150 - 0.499
- 0.500 - 3.500
- 2018 Midas Trenches

Sample	Au ppm	Description
T1817-01	<0.005	3.5m chip sheared and weakly hematized qtz chlorite schist
T1817-02	0.081	2.0m chip limonitic and fe-carb altered schist with qtz veins
T1817-03	0.026	4.0m chip fe-carb alt qtz chlorite schist with numerous hairline qtz veins
T1817-04	0.123	0.3m sample of 3x 0.5cm qtz vns and fe-carb alt wallrock, within -02
T1817-05	0.054	0.3m sample of 3x 0.5cm qtz vns and fe-carb alt wallrock, within -03
T1817-06	0.02	10cm sample of 2cm wide qtz vein with fe-carb alt selvages, within -03
T1817-07	0.12	10cm sample of 1cm vein and heavily fe-carb altered wallrock, within -03

BKND-35
0.005 ppm Au

7077855

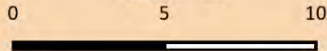
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7077850

7077825

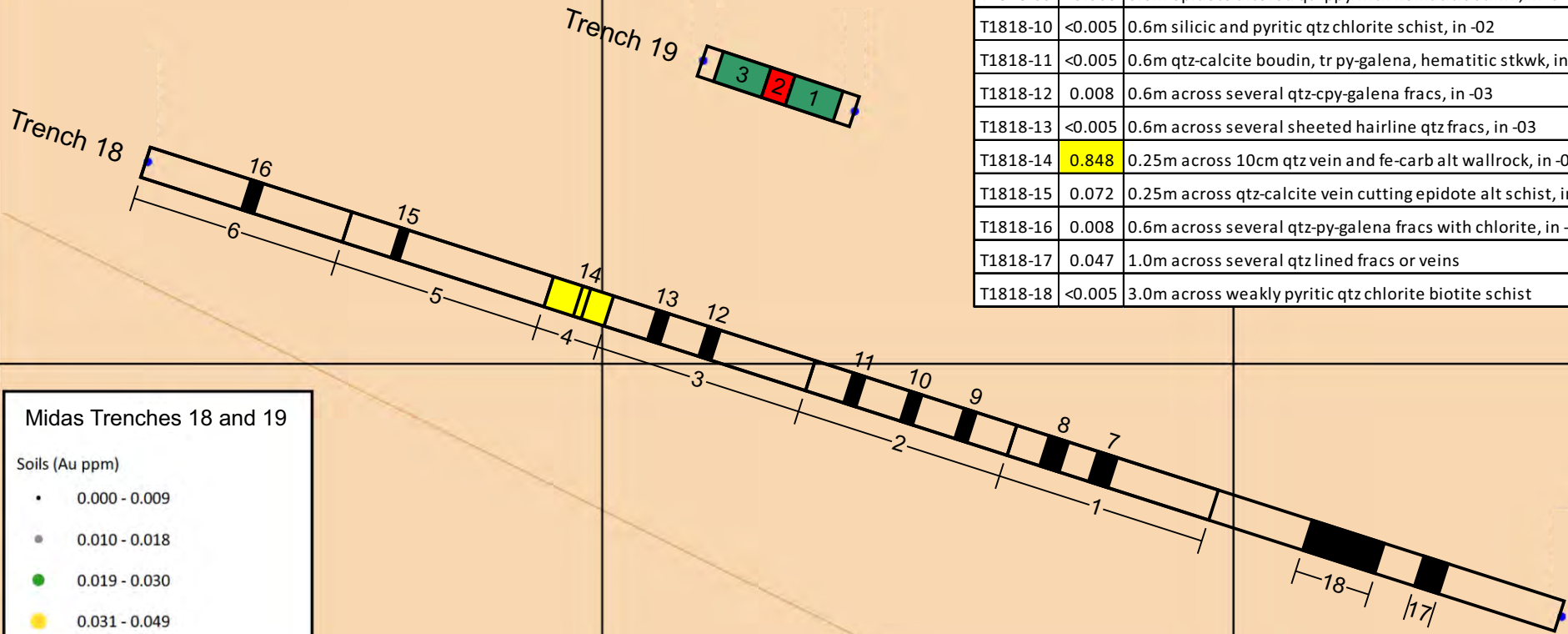


115-O-15
Scale: 1:250



Sample	Au ppm/grav	Description
T1819-01	0.41	2.0m channel fe-carb alt schist with hairline qtz vns tr diss py
T1819-02	>10.0 83.5	1.0m channel across qtz limonite vein with tr py-cpy-galena
T1819-03	0.29	2.0m as per -01 but more qtz vns and fe-carb
T1819-04	>10.0 8.9	20cm sample, 10cm on either side of vn, 5cm wallrock and 5cm vn

Sample	Au ppm	Description
T1818-01	<0.005	8.4m chip qtz chlorite schist
T1818-02	<0.005	8.4m chip qtz chlorite schist
T1818-03	0.084	8.4m chip qtz chlorite schist
T1818-04	0.671	2.5m chip fe-carb altered and quartz veined zone
T1818-05	0.012	8.4m chip qtz chlorite schist
T1818-06	0.005	8.4m chip qtz chlorite schist
T1818-07	<0.005	0.8m chip qtz calcite boudin with black powdery stuff, in -01
T1818-08	<0.005	0.8m chip of several qtz py galena lined fracs, in -01
T1818-09	<0.005	0.6m epidote altered qtz ppy with hematitic stkwk, in -02
T1818-10	<0.005	0.6m silicic and pyritic qtz chlorite schist, in -02
T1818-11	<0.005	0.6m qtz-calcite boudin, tr py-galena, hematitic stkwk, in -02
T1818-12	0.008	0.6m across several qtz-cpy-galena fracs, in -03
T1818-13	<0.005	0.6m across several sheeted hairline qtz fracs, in -03
T1818-14	0.848	0.25m across 10cm qtz vein and fe-carb alt wallrock, in -04
T1818-15	0.072	0.25m across qtz-calcite vein cutting epidote alt schist, in -05
T1818-16	0.008	0.6m across several qtz-py-galena fracs with chlorite, in -06
T1818-17	0.047	1.0m across several qtz lined fracs or veins
T1818-18	<0.005	3.0m across weakly pyritic qtz chlorite biotite schist



Midas Trenches 18 and 19

Soils (Au ppm)

- 0.000 - 0.009
- 0.010 - 0.018
- 0.019 - 0.030
- 0.031 - 0.049
- 0.050 - 1.500

Rocks (Au ppm)

- 0.000 - 0.149
- 0.150 - 0.499
- 0.500 - 3.500

• 2018 Midas Trenches

KID-70
0.005 ppm Au

2018 Midas (Ion) Rock Sample Table

Sample	Type	NAD83/E	NAD83/N	Descriptions	Wgt	Au	Cu	Pb	Zn	Ag	As
DDR-01	Rock	605382	7076616	qtz sericite schist, lim with quartz boudins	0.20	<0.005	22	9	11	<0.3	13
DDR-02	Rock	605376	7076632	as above quartz sericite schist	0.50	0.049	78	8	115	<0.3	4
DDR-03	Rock	605348	7077210	chlorite schist lim with leached cavities tarce diss py	0.61	0.066	60	15	36	1.3	17
DIDR-01	Rock	605212	7076064	qtz chlorite biotite schist with lim on fracs and trace diss py rep grab	0.54	0.016	48	<3	82	<0.3	5
DIDR-02	Rock	605213	7076067	as above cut by qtz lim vns and fracs	0.48	0.581	118	6	103	0.6	9
DIDR-03	Rock	605215	7076071	weird carb lim secondary ? Biotite alt brx ? Qtz chlorite schist	0.22	0.009	69	11	55	<0.3	<2
				trace diss cubic py							
DIDR-04	Rock	605237	7076071	rusty fe-carb zone in trench wall, along a hairline to sub-cm	0.76	0.025	129	3	61	0.4	8
				qv approx 130-310 slight east dip							
DIDR-05	Rock	605306	7076095	qtz chlorite sericite schist (metarhyolite?) lim leached trace to 0.2% diss py	0.38	0.010	212	16	196	0.4	3
DIDR-06	Rock	605298	7076127	1cm wide qtz vn with patches of biotite and a lim core	0.21	<0.005	14	<3	49	<0.3	<2
DIDR-07	Rock	605295	7076137	qtz sericite chlorite schist cut by 3mm wide qtz vn at uphill end of trench	0.13	<0.005	53	14	295	<0.3	<2
BKNR-01	Rock	606603	7075341	qtz chlorite schist 0.25% diss cubic py qtz carb boudin, rep	0.75	<0.005	53	8	165	<0.3	<2
				grab large boulder in ditch							
BKNR-02	Rock	606603	7075341	as above with qtz fe-carb stringer	0.35	0.013	100	11	191	0.4	<2
TIR-01	Rock	606377	7076068	qtz vn heavily lim trace diss py	0.39	<0.005	3	7	22	<0.3	<2
TIR-02	Rock	606389	7076070	qtz lim vn	0.49	<0.005	20	18	84	<0.3	5
TIR-03	Rock	606389	7076070	brx qtz lim vn	0.43	<0.005	2	14	38	<0.3	3
TIR-04	Rock	606389	7076070	qtz chlorite schist trace diss cubic py	0.38	<0.005	72	20	72	<0.3	3
TIR-05	Rock	606359	7076096	same as 03	0.45	0.005	136	7	74	<0.3	<2
TIR-06	Rock	606359	7076096	fe-carb alt schist minor haorline qv trace diss py chip sample	1.32	<0.005	75	7	91	<0.3	2
TIR-07	Rock	606874	7074792	heavily fe-carb alt and lim qtz sericite schist	0.31	<0.005	99	6	103	<0.3	<2
TIR-08	Rock	606859	7074799	as above minor qtz lined fracs	0.55	<0.005	102	4	108	<0.3	<2
TIR-09	Rock	606806	7074815	qtz vn wall rock lim dis py	0.42	0.005	57	6	63	<0.3	<2
TIR-10	Rock	606820	7074812	heavily fe-carb at and lim qtz sericite schist trace diss py	0.51	0.007	119	<3	90	<0.3	<2
TIR-11	Rock	606669	7074854	beige crenulated qtz schist approx 1% cubic py	0.53	<0.005	14	4	16	<0.3	<2
TIR-12	Rock	606517	7074978	lim qtz sericite scchist rare hairline fracs multiple narrow rusty areas	1.06	<0.005	90	13	88	<0.3	<2
				in this area							
TIR-13	Rock	606518	7075001	poss 1cm qtz vn and wallrock lim schist cut by fe-carb	0.27	0.006	15	9	137	<0.3	<2
TIR-14	Rock	606603	7075341	qtz py mariposite schist lim .25% py	0.75	0.129	37	11	52	4.3	18
TIR-15	Rock	606573	7075577	mm scale discordant qtz lim vn cutting chlorite schist	0.46	0.222	37	14	209	<0.3	9
TIR-16	Rock	606455	7075925	heavily fe-carb alt schist with hairline cm qv	0.22	<0.005	24	<3	107	<0.3	9
KIR-01	Rock	606578	7075557	weakly lim qtz chlorite schist with qtz boudin cut by sheeted mm scale	0.71	0.007	38	13	194	0.4	12
				lim vns with trace py							

2018 Midas (Ion) Trench Samples

Trench	Description	ALS Au-AA23	Au-GRA21																	
T1801-01	grab 2cm qtz-calcite vein from within sample 04	0.019																		
T1801-02	1.0m chip hematized, limonitic, gougey fault	<0.005																		
T1801-03	8.0m chip weakly carb alt chlorite schist	0.007																		
T1801-04	1.0m chip as above slightly more carb alt	0.055																		
T1801-05	6.5m chip weakly carb alt chlorite schist	0.012																		
T1801-06	2.0m chip iron carb alt schist schist with a flat lying QV	0.377																		
T1801-07	quartz and iron carb alt schist from within sample 06	0.018																		
T1801-08	2.0m chip iron carb alt schist schist with a flat lying QV	1.12																		
T1801-09	2.0m chip carb alt qtz chlorite schist	0.012																		
T1802-01	quartz material from trench rubble	0.009																		
T1802-02	weakly pyritic chlorite schist	0.007																		
T1802-03	12.0m chip chlorite schist with boudinaged qtz veins	0.022																		
T1803-01	3.0m chip crenulated chlorite qtz schist	0.007																		
T1803-02	3.6m chip weakly pyritic and limonitic heavily sheared qtz chlorite schist	0.02																		
T1803-03	3.6m chip weakly pyritic and limonitic heavily sheared qtz chlorite schist	0.013																		
T1803-04	3.6m chip weakly pyritic and limonitic heavily sheared qtz chlorite schist	0.014																		
T1803-05	6.1m chip weakly pyritic and limonitic chlorite qtz schist	0.019																		
T1803-06	6.1m chip weakly pyritic and limonitic chlorite qtz schist	0.007																		
T1803-07	rep grab limonitic chlorite schist with qtz boudins and tr py	0.057																		
T1803-08	1.0m vertical chip within -02	0.025																		
T1803-09	1.0m vertical chip within -03	0.017																		
T1803-10	1.0m vertical chip within -04	0.016																		
T1804-01	3.5m chip qtz chlorite schist with trace diss py	0.006																		
T1804-02	2.5m chip weakly iron-carb alt qtz chlorite schist	0.202																		
T1804-03	grab 0.5cm qtz vein with fe-carb on selvages, within -01	0.008																		
T1804-04	as above within -02	0.03																		
T1804-05	iron-carb altered and limonitic shear within -02	0.01																		
T1804-06	1.0m chip cut by 2x0.5cm qtz veins with fe-carb selvages	0.065																		
T1804-07	grab 5.0cm qtz-carb vein with chlorite in core, within -06	0.037																		
T1805-01	7.0m chip heavily sheared and limonitic qtz chlorite schist	0.023																		
T1805-02	3.0m chip as and within above	0.027																		
T1805-03	2.0m vertical chip within-01	0.019																		
T1805-04	2.0m vertical chip within-01	0.02																		
T1805-05	2.0m vertical chip within-01	0.031																		
T1805-06	rep grabs of NW trending quartz lined fractures	0.021																		
T1805-07	rep grabs of mariposite schist	0.018																		
T1805-08	quartz boudin from within -01	0.015																		
T1806-01	1.0m chip weakly sheared and limonitic qtz chlorite schist	0.014																		

Trench	Description	ALS Au-AA23	Au-GRA21																	
T1806-02	12.0m chip qtz chlorite schist	0.018																		
T1806-03	rep grab 0.5cm qtz vn with fe-carb alt selvages, flat-lying	0.009																		
T1807-01	3.7m chip quartz chlorite schist	0.036																		
T1807-02	3.2m chip quartz chlorite schist	0.094																		
T1807-03	2.2m chip quartz chlorite schist	0.242																		
T1807-04	6.5m chip quartz chlorite schist	0.044																		
T1807-05	2.6m chip quartz chlorite schist	0.022																		
T1807-06	1.2m chip quartz chlorite schist	0.031																		
T1807-07	rep grab quartz stringer with weak fe-carb selvages in -04	0.009																		
T1807-08	rep grab rusty limonitic zone within -05	0.048																		
T1808-01	sheared weakly limonitic and pyritic quartz chlorite schist	0.016																		
T1808-02	sheared weakly limonitic and pyritic quartz chlorite schist	0.027																		
T1808-03	sheared weakly limonitic and pyritic quartz chlorite schist	0.026																		
T1808-04	sheared weakly limonitic and pyritic quartz chlorite schist	0.031																		
T1808-05	sheared weakly limonitic and pyritic quartz chlorite schist	0.044																		
T1808-06	sheared weakly limonitic and pyritic quartz chlorite schist	0.029																		
T1808-07	sheared weakly limonitic and pyritic quartz chlorite schist	0.024																		
T1808-08	sheared weakly limonitic and pyritic quartz chlorite schist	0.02																		
T1808-09	sheared weakly limonitic and pyritic quartz chlorite schist	0.018																		
T1808-10	sheared weakly limonitic and pyritic quartz chlorite schist	0.025																		
T1808-11	sheared weakly limonitic and pyritic quartz chlorite schist	0.029																		
T1808-12	sheared weakly limonitic and pyritic quartz chlorite schist	0.045																		
T1808-13	sheared weakly limonitic and pyritic quartz chlorite schist	0.027																		
T1808-14	sheared weakly limonitic and pyritic quartz chlorite schist	0.046																		
T1809-01	0.3m chip fe-carb alt qtz chlorite schist with qtz lined fractures, within -04	0.07																		
T1809-02	as above 1.2m chip from within -04	0.013																		
T1809-03	as per -01, 0.9m chip from within -05	0.023																		
T1809-04	8.0m chip chlorite quartz schist	0.007																		
T1809-05	8.0m chip chlorite quartz schist	0.007																		
T1810-01	13.3m chip quartz chlorite schist	0.008																		
T1810-02	13.3m chip quartz chlorite schist	0.153																		
T1810-03	13.3m chip quartz chlorite schist	0.025																		
T1810-04	10cm sample of 2cm wide qtz vein with fe-carb alt selvages, within -03	0.107																		
T1810-05	10cm sample of 0.5cm wide qtz vein with fe-carb alt selvages, within -02	3.04																		
T1810-06	north striking vertical 40cm wide shear zone, within -02	0.013																		
T1810-07	qtz stringers with weak fe-carb haloes and hematized wallrock, within -02	0.148																		
T1810-08	10cm sample of 0.5cm wide qtz vein with fe-carb alt selvages, within -02	0.249																		
T1810-09	flat lying qtz vein or boudin with fe-carb selvages, rep grabs, within -02	0.555																		
T1810-10	10cm sample of 0.5cm wide qtz vein with fe-carb alt selvages, within -03	0.59																		
T1811-01	11.7m chip sample chlorite qtz schist	0.101																		

Trench	Description	ALS Au-AA23	Au-GRA21																	
T1811-02	11.7m chip sample chlorite qtz schist	0.091																		
T1811-03	11.7m chip sample chlorite qtz schist	0.022																		
T1811-04	10cm sample of 0.5cm qtz vn and fe-carb alt wallrock, within -03	0.07																		
T1811-05	30cm sample of 3x 0.5cm qtz vns and fe-carb alt wallrock, within -03	0.108																		
T1811-06	10cm sample of 0.5cm qtz vn and fe-carb alt wallrock, within -03	0.18																		
T1811-07	20cm sample of 2x 0.5cm qtz vns and fe-carb alt wallrock, within -02	0.49																		
T1811-08	30cm sample of 3x 0.5cm qtz vns and fe-carb alt wallrock, within -01	1.38																		
T1811-09	split from above sample	0.557																		
T1811-10	30cm sample of possible vn or boudin nice fe-carb, within -01	0.312																		
T1811-11	10cm sample of 0.5cm qtz vn and fe-carb alt wallrock, within -01	0.114																		
T1812-01	8.0m chip chlorite schist	0.006																		
T1812-02	8.0m chip quartz chlorite schist	0.113																		
T1812-03	1.0m channel sheared and fe-carb altered schist, within -02	0.006																		
T1812-04	10cm sample of 2cm wide qtz vein with fe-carb alt selvages, within -02	0.005																		
T1812-05	1.0m panel over 0.15cm qtz vein and fe-carb alt wallrock, within -02	3.13																		
T1812-06	10cm sample of hairline qtz vein with fe-carb alt selvages, within -01	0.007																		
T1812-07	10cm sample of 2cm wide qtz vein with fe-carb alt selvages, within -02	0.027																		
T1812-08	10cm sample of 2cm wide qtz vein with fe-carb alt selvages, within -02	0.095																		
T1812-09	0.8m x 0.8m panel sheared pyritic schist with qtz boudins, within -01	0.006																		
T1813-01	3.6m chip sheared chlorite biotite schist	0.011																		
T1813-02	3.6m chip sheared chlorite biotite schist	0.02																		
T1813-03	10cm sample of 0.5cm qtz vein with fe-carb alt selvages, within -01	0.064																		
T1813-04	1m x 1m panel sample sheared and fractured schist	0.009																		
T1814-01	7.4m chip sheared weakly hematitic chlorite schist	0.022																		
T1814-02	7.4m chip sheared weakly hematitic chlorite schist	0.006																		
T1814-03	0.6m chip limonitic shear zone, within -01	0.01																		
T1814-04	10cm sample of 2cm wide qtz vein with fe-carb alt selvages, within -01	0.019																		
T1814-05	50cm sample of hairline qtz veins with fe-carb alt selvages, within -01	0.169																		
T1814-06	1.0m clayey gouge shear, within -01	0.006																		
T1814-07	0.3m as above, within -02	0.011																		
T1814-08	10cm sample of 1cm wide qtz vein with fe-carb alt selvages, within -02	0.005																		
T1815-01	7.4m chip of weakly pyritic and carb/epidote alt qtz biotite schist	0.019																		
T1815-02	1.0m panel of sheeted flat lying vein set with epidote, within -01	0.014																		
T1815-03	1.3m channel as above but less veins, within -01	0.005																		
T1815-04	7.4m chip of weakly pyritic and carb/epidote alt qtz biotite schist	0.006																		
T1815-05	0.2m sample of qtz epidote stkwk cutting epidote alt schist, within -04	0.013																		
T1815-06	0.8m panel of sheeted flat lying vein set with epidote, within -04	0.008																		
T1816-01	2.5m chip qtz chlorite biotite schist, weakly carb altered	0.016																		
T1816-02	2.5m chip heavily fe-carb alt and silicic weakly pyritized schist	0.339																		
T1816-03	rep grabs of narrow discontinuous offset veins, within -02	0.185																		

Trench	Description	ALS Au-AA23	Au-GRA21												
T1816-04	1.5m chip heavily fe-carb alt and silicic weakly pyritized schist	0.742													
T1816-05	rep grabs of veining from within -06	0.007													
T1816-06	4.5m chip chlorite schist with tr diss py and numerous mm-scale qtz veins	0.012													
T1816-07	rep grabs of narrow discontinuous offset veins, within -04	0.486													
T1816-08	rep grabs of veining from within -06	<0.005													
T1817-01	3.5m chip sheared and weakly hematized qtz chlorite schist	<0.005													
T1817-02	2.0m chip limonitic and fe-carb altered schist with qtz veins	0.081													
T1817-03	4.0m chip fe-carb alt qtz chlorite schist with numerous hairline qtz veins	0.026													
T1817-04	0.3m sample of 3x 0.5cm qtz vns and fe-carb alt wallrock, within -02	0.123													
T1817-05	0.3m sample of 3x 0.5cm qtz vns and fe-carb alt wallrock, within -03	0.054													
T1817-06	10cm sample of 2cm wide qtz vein with fe-carb alt selvages, within -03	0.02													
T1817-07	10cm sample of 1cm vein and heavily fe-carb altered wallrock	0.12													
T1818-01	8.4m chip qtz chlorite schist	<0.005													
T1818-02	8.4m chip qtz chlorite schist	<0.005													
T1818-03	8.4m chip qtz chlorite schist	0.084													
T1818-04	2.5m chip fe-carb altered and quartz veined zone	0.671													
T1818-05	8.4m chip qtz chlorite schist	0.012													
T1818-06	8.4m chip qtz chlorite schist	0.005													
T1818-07	0.8m chip qtz calcite boudin with weird black powdery stuff, within -01	<0.005													
T1818-08	0.8m chip of several qtz py galena lined frac, within -01	<0.005													
T1818-09	0.6m epidote altered qtz ppy with weak hematitic stkwk, within -02	<0.005													
T1818-10	0.6m silicic and pyritic qtz chlorite schist, within -02	<0.005													
T1818-11	0.6m qtz-calcite boudin, tr py-galena, hematitic stkwk, within -02	<0.005													
T1818-12	0.6m across several qtz-cpy-galena frac, within -03	0.008													
T1818-13	0.6m across several sheeted hairline qtz frac, within -03	<0.005													
T1818-14	0.25m across 10cm qtz vein and fe-carb alt wallrock, within -04	0.848													
T1818-15	0.25m across qtz-calcite vein cutting epidote altered schist, within -05	0.072													
T1818-16	0.6m across several qtz-py-galena frac with chlorite, within -06	0.008													
T1818-17	1.0m across several qtz lined frac or veins	0.047													
T1818-18	3.0m across weakly pyritic qtz chlorite biotite schist	<0.005													
T1819-01	2.0m channel fe-carb alt schist with hairline qtz vns tr diss py	0.41													
T1819-02	1.0m channel across qtz limonite vein with tr py-cpy-galena	>10.0	83.5	>100	453	2	933	2	>10000	1070	918	435	1.955		
T1819-03	2.0m as per -01 but more qtz vns and fe-carb	0.29													
T1819-04	20cm sample, 10cm on either side of vn, 5cm wallrock and 5cm vn	>10.0	8.9	>100	539	2	2340	4	>10000	1650	2120	839	2.47		

2018 Midas (Ion) Soil Sample Table

Sample	Type	NAD83/E	NAD83/N	Description	Au	Cu	Pb	Zn	Ag	As
BKND-01	Soil	605172	7077075	light/med green soil rare rusty	0.006	73	7	86	<0.3	3
BKND-02	Soil	605184	7077076	as above more rusty but just at the top	0.008	59	4	70	<0.3	3
BKND-03	Soil	605200	7077080	as above rust a bit deeper	0.302	49	5	60	<0.3	5
BKND-04	Soil	605212	7077080	rust at above less then above	0.007	54	<3	56	<0.3	<2
BKND-05	Soil	605225	7077087	pale to dark green and a few rust specks	0.024	57	3	69	<0.3	2
BKND-06	Soil	605237	7077090	some qtz frags very little rust	0.011	42	7	64	<0.3	7
BKND-07	Soil	605254	7077094	green soil	0.028	78	8	71	<0.3	5
BKND-08	Soil	605266	7077098	handle deep basic soil, rust at bottom	0.014	47	7	61	<0.3	6
BKND-09	Soil	605278	7077101	shallow and basic	0.012	53	10	67	<0.3	4
BKND-10	Soil	605290	7077104	as above	0.010	62	6	67	<0.3	4
BKND-11	Soil	605303	7077107	as above	0.021	79	9	70	<0.3	5
BKND-12	Soil	605316	7077109	tan to olive green some specks of rust	0.011	52	11	66	<0.3	8
BKND-13	Soil	605329	7077112	as above with perhaps a bit more rust	0.009	54	8	71	<0.3	6
BKND-14	Soil	605341	7077118	as per 13	0.006	50	3	53	<0.3	5
BKND-15	Soil	605353	7077118	rocky and bulish tinge to soil	0.013	78	5	56	<0.3	6
BKND-16	Soil	605366	7077121	as above	0.007	56	<3	57	<0.3	10
BKND-17	Soil	605378	7077123	sandy soil (poss sheared bedrock)	0.006	55	<3	41	<0.3	3
BKND-18	Soil	605391	7077127	rocky and mostly c but some b	0.007	40	4	56	<0.3	10
BKND-19	Soil	605402	7077130	rocky c green blue	<0.005	55	<3	62	<0.3	8
BKND-20	Soil	605414	7077133	wte c as above	0.005	47	<3	57	<0.3	5
BKND-21	Soil	605426	7077136	frozen c/b	<0.005	38	5	59	<0.3	8
BKND-22	Soil	605438	7077138	pale blue to green c	0.011	31	<3	56	<0.3	3
BKND-23	Soil	605451	7077140	as above	<0.005	56	6	62	<0.3	4
BKND-24	Soil	605463	7077145	c frozen	0.005	32	52	124	<0.3	4
BKND-25	Soil	605475	7077148	frozen c	0.007	29	82	122	<0.3	8
BKND-26	Soil	605488	7077150		<0.005	40	36	79	<0.3	9
BKND-27	Soil	605500	7077153		0.005	27	12	50	<0.3	8
BKND-28	Soil	605511	7077157	frozen wet green b/c	0.008	51	12	61	<0.3	5
BKND-30	Soil	604912	7077850		0.017	88	<3	36	<0.3	<2
BKND-31	Soil	604900	7077849		0.005	52	5	45	<0.3	5
BKND-32	Soil	604888	7077849		<0.005	102	5	139	<0.3	3
BKND-33	Soil	604876	7077849		<0.005	56	4	41	<0.3	3
BKND-34	Soil	604862	7077850		<0.005	43	<3	35	<0.3	<2
BKND-35	Soil	604850	7077850		0.005	104	<3	49	<0.3	<2
BKND-36	Soil	604836	7077849		0.031	100	4	52	<0.3	4
BKND-37	Soil	604825	7077850		0.018	60	6	62	<0.3	4
BKND-38	Soil	604812	7077849		<0.005	37	<3	60	<0.3	<2
BKND-39	Soil	604800	7077850		0.006	77	<3	51	<0.3	3
BKND-41	Soil	604786	7077552		0.006	81	<3	56	<0.3	<2
BKND-42	Soil	604800	7077553		<0.005	78	4	50	<0.3	3
BKND-43	Soil	604812	7077554		<0.005	59	5	43	<0.3	4
BKND-44	Soil	604824	7077553		0.013	78	7	65	<0.3	4
BKND-45	Soil	604837	7077553		<0.005	74	9	86	<0.3	5
BKND-46	Soil	604849	7077553		0.012	57	6	58	<0.3	4
BKND-47	Soil	604862	7077552		0.016	87	8	68	<0.3	4
BKND-48	Soil	604874	7077550		0.007	94	4	77	<0.3	<2
BKND-49	Soil	604887	7077550		0.022	108	5	78	<0.3	10
BKND-50	Soil	604899	7077551		<0.005	79	4	66	<0.3	4
BKND-51	Soil	604911	7077550		<0.005	49	5	43	<0.3	3
BKND-52	Soil	606604	7075469		<0.005	53	3	33	<0.3	<2
BKND-53	Soil	606602	7075476		0.034	165	17	145	0.6	12
BKND-54	Soil	606578	7075567		0.034	65	7	101	0.3	5

Sample	Type	NAD83/E	NAD83/N	Description	Au	Cu	Pb	Zn	Ag	As
BKND-55	Soil	606572	7075576		0.041	86	17	257	<0.3	7
BKND-56	Soil	606573	7075576		0.011	117	25	703	0.9	21
BUND-01	Soil	605019	7077708		0.102	69	7	54	<0.3	4
BUND-02	Soil	605030	7077709		0.018	72	5	70	<0.3	6
BUND-03	Soil	605043	7077712		<0.005	65	8	82	<0.3	7
BUND-04	Soil	605054	7077715		0.007	66	3	55	<0.3	2
BUND-05	Soil	605067	7077718		0.009	75	<3	48	<0.3	3
BUND-06	Soil	605078	7077721		<0.005	62	<3	54	<0.3	<2
BUND-07	Soil	605089	7077724		0.006	81	6	65	<0.3	6
BUND-08	Soil	605103	7077726		<0.005	48	10	65	<0.3	14
BUND-09	Soil	605114	7077729		0.01	98	7	72	<0.3	3
BUND-10	Soil	605128	7077732		0.052	41	13	78	<0.3	8
BUND-11	Soil	605140	7077734		<0.005	51	4	59	<0.3	3
BUND-12	Soil	605152	7077738		0.006	61	4	48	<0.3	3
BUND-13	Soil	605163	7077740		0.008	71	4	45	<0.3	<2
BUND-14	Soil	605176	7077744		0.006	93	4	48	<0.3	3
BUND-15	Soil	605189	7077747		<0.005	114	7	42	<0.3	2
BUND-16	Soil	605202	7077751		0.006	62	4	29	<0.3	<2
BUND-17	Soil	605213	7077753		0.012	84	3	41	<0.3	<2
BUND-18	Soil	605224	7077756		0.06	84	12	72	<0.3	<2
BUND-19	Soil	605236	7077760		0.007	50	8	70	0.7	3
BUND-20	Soil	605248	7077762		0.006	55	5	41	<0.3	4
BUND-21	Soil	605261	7077765		0.01	131	3	59	<0.3	5
BUND-22	Soil	605273	7077767		0.006	118	3	54	<0.3	4
BUND-23	Soil	605285	7077771		0.007	116	<3	54	0.5	<2
BUND-24	Soil	605298	7077773		0.006	71	<3	55	<0.3	<2
BUND-25	Soil	605310	7077777		0.007	129	3	58	0.4	<2
BUND-26	Soil	605322	7077781		0.007	100	4	55	0.4	4
BUND-27	Soil	605334	7077783		0.011	70	3	63	0.7	6
CIOD-01	Soil	605087	7077416		0.007	64	<3	53	<0.3	<2
CIOD-02	Soil	605100	7077420		<0.005	56	4	69	<0.3	6
CIOD-03	Soil	605111	7077422		0.006	68	3	91	<0.3	4
CIOD-04	Soil	605124	7077424		0.012	57	<3	81	<0.3	3
CIOD-05	Soil	605148	7077430		0.006	62	<3	59	<0.3	3
CIOD-06	Soil	605160	7077434		<0.005	55	<3	46	<0.3	<2
CIOD-07	Soil	605173	7077436		0.021	43	<3	42	<0.3	<2
CIOD-08	Soil	605184	7077439		<0.005	34	3	38	<0.3	<2
CIOD-09	Soil	605197	7077442		<0.005	47	6	51	<0.3	<2
CIOD-10	Soil	605210	7077443		0.039	123	12	183	0.5	3
CIOD-11	Soil	605221	7077446		0.044	43	15	204	<0.3	9
CIOD-12	Soil	605233	7077449		0.005	50	55	129	<0.3	<2
CIOD-13	Soil	605245	7077453		<0.005	39	14	118	<0.3	5
CIOD-14	Soil	605258	7077455		0.043	88	26	83	0.3	<2
CIOD-15	Soil	605270	7077459		0.044	63	17	88	<0.3	8
CIOD-16	Soil	605282	7077461		0.015	69	12	65	0.4	4
CIOD-17	Soil	605293	7077465		0.009	73	<3	54	<0.3	3
CIOD-18	Soil	605305	7077468		0.012	95	6	62	<0.3	3
CIOD-19	Soil	605319	7077470		0.015	70	<3	62	<0.3	3
CIOD-20	Soil	605331	7077474		0.023	98	3	77	0.3	5
CIOD-21	Soil	605343	7077476		0.012	48	7	54	<0.3	7
CIOD-22	Soil	605355	7077479		0.044	115	4	58	<0.3	3
CIOD-23	Soil	605368	7077482		0.039	82	<3	67	<0.3	3
CIOD-24	Soil	605381	7077484		0.019	81	<3	70	<0.3	2
CIOD-25	Soil	605392	7077487		0.026	72	3	63	<0.3	5

Sample	Type	NAD83/E	NAD83/N	Description	Au	Cu	Pb	Zn	Ag	As
CIOD-26	Soil	605404	7077491		0.02	80	<3	60	<0.3	4
CIOD-27	Soil	605417	7077493		0.016	65	5	66	<0.3	6
CIOD-28	Soil	605429	7077497		0.012	76	7	69	<0.3	4
CIOD-29	Soil	605441	7077503		0.02	69	4	65	<0.3	5
DID-01	Soil	605150	7076067		<0.005	62	9	73	<0.3	10
DID-02	Soil	605175	7076069		<0.005	57	9	58	<0.3	8
DID-03	Soil	605200	7076070		<0.005	67	6	55	<0.3	7
DID-04	Soil	605196	7076053		<0.005	120	4	93	0.4	6
DID-05	Soil	605214	7076039		<0.005	63	<3	64	<0.3	6
DID-06	Soil	605237	7076033		<0.005	55	<3	56	<0.3	4
DID-07	Soil	605221	7075985		<0.005	20	5	53	<0.3	5
DID-08	Soil	605173	7076000		<0.005	39	6	74	<0.3	10
DID-09	Soil	605161	7076033		0.005	123	4	101	<0.3	4
DID-10	Soil	605227	7076060		<0.005	27	4	52	<0.3	2
DID-11	Soil	605237	7076055		0.005	54	4	45	<0.3	5
DID-12	Soil	605312	7076196		0.020	75	7	94	<0.3	12
DID-13	Soil	605330	7076213		0.010	84	10	39	<0.3	3
DID-14	Soil	605350	7076231		0.013	83	15	105	<0.3	8
DID-15	Soil	605368	7076247		0.009	54	10	83	<0.3	10
DID-16	Soil	605389	7076263		0.010	88	11	115	<0.3	6
DID-17	Soil	605407	7076281		0.011	75	6	97	<0.3	11
DID-18	Soil	605425	7076296		0.008	77	6	142	<0.3	16
DID-19	Soil	605441	7076317		0.009	48	8	139	0.3	53
DID-20	Soil	605462	7076328		0.021	84	17	229	<0.3	7
DID-21	Soil	605480	7076351		0.045	85	12	130	<0.3	9
DID-22	Soil	605497	7076367		0.015	54	6	83	<0.3	5
DID-23	Soil	605517	7076383		0.011	61	6	68	<0.3	7
DID-24	Soil	605534	7076400		0.005	32	4	72	<0.3	8
DID-25	Soil	605548	7076420		0.007	45	7	72	<0.3	12
DID-26	Soil	605568	7076435		0.009	65	8	70	<0.3	14
DID-27	Soil	605590	7076450		0.006	46	9	119	<0.3	24
DID-28	Soil	605610	7076466		0.006	71	14	421	0.6	84
DID-29	Soil	605610	7076490		<0.005	42	25	119	<0.3	10
DID-30	Soil	605380	7076625		0.016	67	12	121	<0.3	7
DID-31	Soil	605405	7076625		0.015	117	17	270	<0.3	14
DID-32	Soil	605432	7076625		0.016	201	36	186	0.5	4
DID-33	Soil	605147	7077173	frozen c	0.011	35	5	68	<0.3	6
DID-34	Soil	605159	7077177	frozen c	0.008	31	10	54	<0.3	9
DID-35	Soil	605170	7077179	frozen c	0.006	31	10	57	<0.3	8
DID-36	Soil	605182	7077183	rocky	0.010	30	8	65	<0.3	8
DID-37	Soil	605194	7077186	rocky	0.009	47	7	75	<0.3	9
DID-38	Soil	605207	7077187		0.010	37	8	66	<0.3	8
DID-39	Soil	605219	7077192		0.013	44	7	77	<0.3	8
DID-40	Soil	605231	7077195	frozen c	0.008	67	4	128	<0.3	6
DID-41	Soil	605243	7077197	frozen c	0.018	56	5	87	<0.3	7
DID-42	Soil	605256	7077198		0.026	74	3	166	<0.3	7
DID-43	Soil	605266	7077200		0.014	88	6	193	<0.3	5
DID-44	Soil	605280	7077202		0.024	77	6	76	<0.3	5
DID-45	Soil	605293	7077205		0.011	115	5	60	<0.3	2
DID-46	Soil	605307	7077208		0.009	60	7	62	<0.3	4
DID-47	Soil	605317	7077212	rocky	0.011	120	8	128	<0.3	4
DID-48	Soil	605334	7077222	rocky	0.008	48	13	63	<0.3	6
DID-49	Soil	605350	7077225	muddy	<0.005	41	3	50	<0.3	7
DID-50	Soil	605362	7077227	frozen c/b	0.016	37	3	54	<0.3	7

Sample	Type	NAD83/E	NAD83/N	Description	Au	Cu	Pb	Zn	Ag	As
DID-51	Soil	605374	7077230	frozen c/b	0.019	53	6	61	<0.3	8
DID-52	Soil	605388	7077231	frozen c/b	0.011	53	9	73	<0.3	7
DID-53	Soil	605403	7077234	frozen c/b	0.011	50	26	74	<0.3	9
DID-54	Soil	605412	7077240	frozen c/b	0.007	44	13	71	<0.3	4
DID-55	Soil	605424	7077241	frozen c/b	0.020	61	10	89	<0.3	14
DID-56	Soil	605439	7077242	frozen c/b	0.013	66	12	159	<0.3	8
DID-57	Soil	605448	7077247	frozen c/b	0.023	72	14	70	<0.3	9
DID-58	Soil	605460	7077248	frozen c/b	0.013	67	11	86	<0.3	6
DID-59	Soil	605473	7077250	rocky	0.008	66	17	115	<0.3	7
DID-60	Soil	605484	7077251	rocky	0.013	133	79	689	0.9	8
DID-61	Soil	605498	7077256	frozen B	0.012	57	19	108	<0.3	7
DID-63	Soil	605330	7077392		0.469	41	47	253	<0.3	11
DID-64	Soil	605312	7077391		0.034	69	111	222	<0.3	18
DID-65	Soil	605288	7077394		0.015	88	292	456	0.8	80
DID-66	Soil	604788	7077649		0.015	82	4	93	<0.3	<2
DID-67	Soil	604801	7077648		0.007	62	4	64	<0.3	3
DID-68	Soil	604814	7077649		0.028	78	3	64	<0.3	<2
DID-69	Soil	604826	7077649		0.006	66	7	64	<0.3	4
DID-70	Soil	604838	7077650	Rust	0.048	89	7	65	<0.3	9
DID-71	Soil	604850	7077650	Rust	0.008	36	7	47	<0.3	5
DID-72	Soil	604862	7077649	Rust	<0.005	41	5	45	<0.3	3
DID-73	Soil	604875	7077649		<0.005	72	4	45	<0.3	2
DID-74	Soil	604888	7077651		0.013	43	<3	31	<0.3	<2
DID-75	Soil	604900	7077650		<0.005	42	<3	36	<0.3	<2
DID-76	Soil	604913	7077650		<0.005	46	<3	35	<0.3	<2
DID-77	Soil	604775	7077350		<0.005	88	5	73	<0.3	<2
DID-78	Soil	604788	7077351		0.012	88	8	101	<0.3	<2
DID-79	Soil	604800	7077349		0.012	36	9	72	<0.3	7
DID-80	Soil	604814	7077349		<0.005	40	6	43	<0.3	<2
DID-81	Soil	604826	7077351		<0.005	45	6	42	<0.3	2
DID-82	Soil	604839	7077351		0.040	47	10	79	<0.3	6
DID-83	Soil	604851	7077350		0.005	40	8	86	<0.3	3
DID-84	Soil	604863	7077352		0.006	47	5	42	<0.3	4
DID-85	Soil	604875	7077350		<0.005	52	4	44	<0.3	<2
DID-86	Soil	604888	7077352		0.010	49	8	47	<0.3	8
DID-87	Soil	604900	7077350		0.014	46	5	47	<0.3	7
DID-88	Soil	604987	7077396		0.005	49	4	51	<0.3	3
IOSD-01	Soil	606581	7075550		0.01	99	24	262	<0.3	8
IOSD-02	Soil	606607	7075551		0.015	258	47	613	1.7	15
IOSD-03	Soil	606632	7075549		0.008	130	55	314	0.5	8
IOSD-04	Soil	606657	7075550		0.006	91	23	362	0.7	11
IOSD-05	Soil	606669	7075500		0.005	80	16	123	<0.3	6
IOSD-06	Soil	606644	7075500		<0.005	142	8	99	0.3	<2
IOSD-07	Soil	606620	7075500		0.007	67	13	159	0.3	5
IOSD-08	Soil	606603	7075500		0.014	119	13	113	<0.3	4
IOSD-09	Soil	605266	7076164		0.032	139	15	157	<0.3	6
IOSD-10	Soil	605278	7076165		0.066	229	53	516	0.7	6
IOSD-11	Soil	605289	7076169		0.079	342	41	1042	0.6	7
IOSD-12	Soil	605300	7076164		0.059	271	23	500	0.5	8
IOSD-13	Soil	605314	7076164		0.029	148	17	231	<0.3	5
IOSD-14	Soil	605360	7076120		0.034	91	18	137	0.5	8
IOSD-15	Soil	605350	7076120		0.062	117	18	162	<0.3	5
IOSD-16	Soil	605338	7076118		0.023	100	18	97	<0.3	4
IOSD-17	Soil	605486	7076359		0.03	70	10	93	<0.3	4

Sample	Type	NAD83/E	NAD83/N	Description	Au	Cu	Pb	Zn	Ag	As
JAS-01	Soil	605111	7077317		0.011	46	8	70	<0.3	7
JAS-02	Soil	605122	7077322		0.007	44	7	90	<0.3	7
JAS-03	Soil	605133	7077327		0.008	41	7	231	<0.3	5
JAS-04	Soil	605145	7077328		0.007	61	4	246	<0.3	4
JAS-05	Soil	605158	7077329		0.014	65	7	87	<0.3	4
JAS-06	Soil	605171	7077333		0.018	45	8	62	<0.3	5
JAS-07	Soil	605182	7077336		<0.005	55	3	60	<0.3	2
JAS-08	Soil	605195	7077341		0.006	48	5	61	<0.3	2
JAS-09	Soil	605208	7077344		0.007	72	4	61	<0.3	4
JAS-10	Soil	605224	7077348		<0.005	101	4	51	<0.3	<2
JAS-11	Soil	605231	7077350		0.008	72	9	213	<0.3	6
JAS-12	Soil	605243	7077355		0.011	53	7	117	<0.3	3
JAS-13	Soil	605255	7077355		0.019	39	5	50	<0.3	4
JAS-14	Soil	605267	7077358		0.009	93	7	158	<0.3	3
JAS-15	Soil	605279	7077362		0.007	22	8	49	<0.3	4
JAS-16	Soil	605292	7077363		<0.005	46	6	242	0.3	4
JAS-17	Soil	605304	7077365		0.033	52	14	124	0.6	5
JAS-18	Soil	605317	7077368		0.017	117	51	716	0.4	22
JAS-19	Soil	605328	7077371		0.042	158	37	313	<0.3	6
JAS-20	Soil	605343	7077374		0.059	137	58	483	0.7	7
JAS-21	Soil	605355	7077379		0.02	56	24	201	<0.3	4
JAS-22	Soil	605366	7077381		0.032	78	25	126	<0.3	4
JAS-23	Soil	605378	7077382		0.016	101	22	170	0.5	2
JAS-24	Soil	605390	7077385		0.011	71	20	119	0.4	2
JAS-25	Soil	605402	7077388		0.009	62	8	70	<0.3	5
JAS-26	Soil	605415	7077393		0.009	63	21	121	0.3	3
JAS-27	Soil	605428	7077394		0.009	46	9	69	<0.3	4
JAS-28	Soil	605439	7077397		0.008	56	9	76	<0.3	4
JAS-29	Soil	605452	7077401		0.01	71	4	74	<0.3	<2
JAS-30	Soil	605464	7077402		<0.005	28	<3	70	<0.3	5
JAS-31	Soil	605476	7077404		0.006	61	4	72	<0.3	3
JAS-32	Soil	605489	7077406		0.016	80	5	69	<0.3	3
JAS-33	Soil	605503	7077408		0.013	57	7	73	0.3	5
JCS-01	Soil	604788	7077751		0.011	48	8	60	<0.3	5
JCS-02	Soil	604800	7077751		0.016	36	7	62	<0.3	7
JCS-03	Soil	604812	7077751		0.030	42	5	58	<0.3	5
JCS-04	Soil	604825	7077750		0.015	24	7	55	<0.3	7
JCS-05	Soil	604837	7077750		0.032	41	6	45	<0.3	17
JCS-06	Soil	604847	7077750		0.018	54	6	56	<0.3	6
JCS-07	Soil	604859	7077750		0.010	24	9	49	<0.3	7
JCS-08	Soil	604873	7077750		0.009	40	6	60	<0.3	5
JCS-09	Soil	604886	7077750		0.008	26	7	53	<0.3	8
JCS-10	Soil	604898	7077751		0.014	62	5	66	<0.3	5
JCS-11	Soil	604912	7077749		0.009	31	6	58	<0.3	7
JCS-12	Soil	604775	7077449		0.009	62	9	56	<0.3	3
JCS-13	Soil	604788	7077450		0.013	65	8	65	<0.3	4
JCS-14	Soil	604800	7077450		0.009	54	8	65	<0.3	5
JCS-15	Soil	604813	7077449		0.008	40	8	58	<0.3	8
JCS-16	Soil	604825	7077451		0.014	76	6	64	<0.3	<2
JCS-17	Soil	604837	7077449		0.007	73	6	58	<0.3	4
JCS-18	Soil	604849	7077450		0.010	64	5	66	<0.3	3
JCS-19	Soil	604863	7077451		0.017	67	9	84	<0.3	4
JCS-20	Soil	604876	7077451		0.007	39	6	48	<0.3	4
JCS-21	Soil	604887	7077450		0.005	38	<3	41	<0.3	4

Sample	Type	NAD83/E	NAD83/N	Description	Au	Cu	Pb	Zn	Ag	As
JCS-22	Soil	604899	7077450		<0.005	61	4	47	<0.3	<2
JUM-01	Soil	605226	7076073		0.070	129	41	283	0.7	6
JUM-02	Soil	605252	7076074		<0.005	110	4	96	<0.3	3
JUM-03	Soil	605275	7076075		<0.005	66	5	55	<0.3	8
JUM-04	Soil	605300	7076075		0.019	107	9	117	<0.3	5
JUM-05	Soil	605325	7076073		0.049	98	13	110	0.4	5
JUM-06	Soil	605351	7076074		0.032	117	17	193	0.4	5
JUM-07	Soil	605375	7076073		0.032	168	20	270	0.6	5
JUM-08	Soil	605373	7076119		0.014	67	10	105	0.5	10
JUM-09	Soil	605351	7076120		0.051	113	16	129	0.5	7
JUM-10	Soil	605326	7076118		0.016	71	14	93	0.3	14
JUM-11	Soil	605299	7076119		0.030	122	14	219	<0.3	8
JUM-12	Soil	605275	7076119		0.020	114	6	161	0.3	7
JUM-13	Soil	605249	7076121		<0.005	82	<3	57	<0.3	3
JUM-14	Soil	605225	7076120		0.028	95	8	90	<0.3	6
JUM-15	Soil	605225	7076169		0.018	106	20	222	<0.3	5
JUM-16	Soil	605251	7076169		0.013	64	10	77	<0.3	5
JUM-17	Soil	605273	7076170		0.038	169	75	496	0.9	7
JUM-18	Soil	605300	7076168		0.057	195	16	496	0.4	8
JUM-19	Soil	605324	7076170		0.017	103	15	85	<0.3	7
JUM-20	Soil	605350	7076169		0.020	142	15	71	<0.3	5
JUM-21	Soil	605375	7076171		0.015	73	7	53	<0.3	16
JUM-22	Soil	605177	7076625		0.013	63	10	96	0.3	8
JUM-23	Soil	605203	7076625		0.016	60	9	98	0.3	8
JUM-24	Soil	605226	7076627		0.008	49	9	101	<0.3	8
JUM-25	Soil	605253	7076628		0.010	59	13	111	0.4	9
JUM-26	Soil	605278	7076624		0.027	140	21	125	0.7	8
JUM-27	Soil	605303	7076625		0.025	127	15	127	0.7	6
JUM-28	Soil	605326	7076626		0.020	111	20	131	0.5	8
JUM-29	Soil	605353	7076627		0.014	72	36	199	0.4	7
JUS-01	Soil	605159	7077124		<0.005	72	6	91	<0.3	5
JUS-02	Soil	605170	7077128		0.008	38	8	69	<0.3	7
JUS-03	Soil	605181	7077131		0.076	26	9	57	<0.3	8
JUS-04	Soil	605193	70077133		0.009	30	9	56	<0.3	8
JUS-05	Soil	605204	7077136		0.006	33	11	64	<0.3	8
JUS-06	Soil	605216	7077139	bit or rust	0.009	55	8	64	<0.3	6
JUS-07	Soil	605229	7077143		0.005	27	11	59	<0.3	9
JUS-08	Soil	605242	7077146		0.009	52	7	69	<0.3	6
JUS-09	Soil	605254	7077150	bit of rust	0.009	39	11	66	<0.3	8
JUS-10	Soil	605268	7077151	bit of rust	0.009	47	11	70	<0.3	8
JUS-11	Soil	605280	7077153	bit of rust	0.016	59	8	72	<0.3	7
JUS-12	Soil	605292	7077154		0.030	56	10	66	<0.3	8
JUS-13	Soil	605304	7077157		0.016	36	13	64	<0.3	9
JUS-14	Soil	605317	7077160		0.021	79	15	80	<0.3	6
JUS-15	Soil	605330	7077161	qtz frags	0.006	54	19	81	<0.3	7
JUS-16	Soil	605339	7077166		0.005	39	25	65	<0.3	9
JUS-17	Soil	605355	7077174		0.017	83	8	73	<0.3	9
JUS-18	Soil	605368	7077177		0.016	25	4	54	<0.3	6
JUS-19	Soil	605380	7077178		<0.005	25	<3	59	<0.3	6
JUS-20	Soil	605392	7077181		<0.005	42	4	56	<0.3	11
JUS-21	Soil	605404	7077184		0.015	31	3	54	<0.3	6
JUS-22	Soil	605416	7077187		0.005	33	6	56	<0.3	8
JUS-23	Soil	605428	7077190		0.007	33	9	56	<0.3	10
JUS-24	Soil	605438	7077192		0.010	46	30	101	<0.3	5

Sample	Type	NAD83/E	NAD83/N	Description	Au	Cu	Pb	Zn	Ag	As
JUS-25	Soil	605449	7077194		0.019	28	30	76	<0.3	11
JUS-26	Soil	605463	7077195		0.015	37	23	52	<0.3	12
JUS-27	Soil	605475	7077197		0.009	32	19	57	<0.3	9
JUS-28	Soil	605486	7077200		0.006	33	14	50	<0.3	6
JUS-29	Soil	605500	7077205		0.005	25	17	48	<0.3	7
JUS-30	Soil	605512	7077207		0.006	47	11	93	<0.3	9
JUS-31	Soil	605523	7077209		0.010	61	15	64	0.4	5
KID-01	Soil	605136	7077219		0.016	41	4	78	<0.3	6
KID-02	Soil	605147	7077222		0.006	36	6	74	<0.3	5
KID-03	Soil	605159	7077225		0.006	41	5	68	1.2	6
KID-04	Soil	605171	7077228		0.008	45	6	89	<0.3	7
KID-05	Soil	605184	7077228		0.007	71	<3	140	<0.3	4
KID-06	Soil	605195	7077230		0.01	53	9	119	<0.3	6
KID-07	Soil	605208	7077236		0.013	61	11	97	<0.3	8
KID-08	Soil	605217	7077242		0.016	102	8	198	<0.3	4
KID-09	Soil	605231	7077243		0.035	128	11	222	<0.3	5
KID-10	Soil	605245	7077246		0.011	46	15	108	<0.3	7
KID-11	Soil	605256	7077251		0.068	114	12	143	0.3	4
KID-12	Soil	605271	7077253		0.023	102	25	225	0.3	2
KID-13	Soil	605281	7077255		0.007	116	12	129	<0.3	<2
KID-14	Soil	605291	7077260		0.007	103	18	115	0.3	3
KID-15	Soil	605311	7077261		0.014	77	12	101	<0.3	3
KID-16	Soil	605325	7077266		<0.005	40	12	60	<0.3	2
KID-17	Soil	605338	7077268		<0.005	53	10	99	<0.3	3
KID-18	Soil	605350	7077271		<0.005	63	13	65	<0.3	6
KID-19	Soil	605364	7077274		<0.005	70	6	77	<0.3	<2
KID-20	Soil	605379	7077275		0.007	85	5	115	<0.3	6
KID-21	Soil	605393	7077281		0.016	114	6	278	2	31
KID-22	Soil	605403	7077284		0.01	161	8	325	0.4	8
KID-23	Soil	605415	7077287		0.008	92	7	105	<0.3	4
KID-24	Soil	605427	7077291		0.007	191	16	133	0.7	3
KID-25	Soil	605438	7077293		0.01	138	22	143	0.6	3
KID-26	Soil	605451	7077294		0.014	128	83	234	0.5	5
KID-27	Soil	605465	7077294		0.012	90	10	92	<0.3	5
KID-28	Soil	605475	7077301		0.035	94	<3	57	<0.3	2
KID-29	Soil	605486	7077305		0.011	64	7	76	<0.3	4
KID-30	Soil	605498	7077309		0.007	62	12	69	<0.3	5
KID-31	Soil	605030	7077657		0.01	109	4	70	<0.3	4
KID-32	Soil	605041	7077659		0.009	91	4	70	<0.3	3
KID-33	Soil	605052	7077662		<0.005	54	4	56	<0.3	4
KID-34	Soil	605064	7077665		0.008	45	5	70	<0.3	9
KID-35	Soil	605076	7077670		0.007	89	5	59	<0.3	6
KID-36	Soil	605088	7077675		0.008	74	4	65	<0.3	6
KID-37	Soil	605101	7077676		<0.005	45	<3	51	<0.3	<2
KID-38	Soil	605114	7077678		0.007	65	5	53	<0.3	4
KID-39	Soil	605125	7077683		0.007	83	5	56	<0.3	4
KID-40	Soil	605139	7077683		0.006	90	3	61	<0.3	3
KID-41	Soil	605152	7077687		0.007	42	6	50	<0.3	5
KID-42	Soil	605162	7077687		0.008	82	<3	66	<0.3	4
KID-43	Soil	605175	7077692		<0.005	61	3	66	<0.3	<2
KID-44	Soil	605187	7077697		0.01	84	5	63	<0.3	6
KID-45	Soil	605199	7077702		0.012	56	7	66	<0.3	6
KID-46	Soil	605212	7077699		0.009	72	5	55	<0.3	<2
KID-47	Soil	605225	7077701		0.005	58	4	43	<0.3	<2

Sample	Type	NAD83/E	NAD83/N	Description	Au	Cu	Pb	Zn	Ag	As
KID-48	Soil	605236	7077708		0.015	51	6	41	<0.3	4
KID-49	Soil	605248	7077712		0.007	85	4	51	<0.3	5
KID-50	Soil	605261	7077713		0.013	92	4	56	<0.3	4
KID-51	Soil	605271	7077717		0.016	66	5	57	<0.3	4
KID-52	Soil	605284	7077719		0.008	51	5	50	<0.3	3
KID-53	Soil	605296	7077721		0.013	66	6	64	<0.3	6
KID-54	Soil	605308	7077724		0.007	100	3	54	<0.3	4
KID-55	Soil	605320	7077728		0.016	108	<3	57	<0.3	4
KID-56	Soil	605333	7077730		<0.005	111	4	61	0.7	4
KID-57	Soil	605345	7077736		0.015	84	5	63	0.6	5
KID-58	Soil	605355	7077737		0.031	102	4	65	0.5	5
KID-59	Soil	605371	7077737		0.016	89	4	49	0.6	2
KID-60	Soil	605381	7077743		0.007	63	5	48	0.5	6
KID-61	Soil	605393	7077749		0.007	82	3	59	0.6	3
KID-62	Soil	605405	7077749		0.007	86	4	64	0.7	5
KID-63	Soil	605418	7077751		<0.005	66	5	60	0.6	8
KID-64	Soil	605405	7077799		0.038	51	3	63	0.5	9
KID-65	Soil	605394	7077797		0.005	59	<3	67	0.6	2
KID-66	Soil	605381	7077791		0.048	57	8	54	0.4	20
KID-67	Soil	605369	7077788		0.012	115	<3	70	0.7	5
KID-68	Soil	605360	7077781		0.029	91	5	68	0.7	25
KID-69	Soil	605347	7077782		0.006	126	<3	80	0.7	4
KID-70	Soil	605210	7077805		<0.005	60	<3	40	<0.3	4
KID-71	Soil	606575	7075548		0.012	97	21	262	0.6	7
KID-72	Soil	606550	7075550		<0.005	80	17	175	0.4	10
KID-73	Soil	606524	7075550		0.006	58	11	139	<0.3	7
KID-74	Soil	606500	7075550		0.005	45	13	125	<0.3	8
KID-75	Soil	606501	7075500		0.043	102	20	252	1.0	8
KID-76	Soil	606525	7075499		0.022	102	21	178	0.7	9
KID-77	Soil	606551	7075501		0.009	103	14	161	0.6	5
KID-78	Soil	606575	7075500		0.007	102	10	145	0.5	4
KID-79	Soil	605250	7076101		<0.005	99	<3	53	0.3	<2
KID-80	Soil	605225	7076100		0.006	84	3	64	<0.3	4
KID-81	Soil	605200	7076100		0.006	83	5	39	<0.3	4
KID-82	Soil	605175	7076099		<0.005	49	4	57	<0.3	3
KID-83	Soil	605150	7076150		0.007	38	6	58	<0.3	4
KID-84	Soil	605176	7076150		0.008	62	6	47	<0.3	4
KID-85	Soil	605199	7076150		0.008	65	9	54	<0.3	9
KID-86	Soil	605225	7076149		0.015	116	11	80	<0.3	5
KID-87	Soil	605213	7076074		<0.005	78	5	43	<0.3	6
KID-88	Soil	605240	7076070		<0.005	91	<3	42	<0.3	5
KID-89	Soil	605470	7076338		0.02	73	19	201	<0.3	5
TID-01	Soil	606387	7076058		<0.005	51	<3	57	<0.3	5
TID-02	Soil	606368	7076088		<0.005	68	<3	61	<0.3	5
TID-03	Soil	606359	7076096		0.006	70	<3	59	<0.3	4
TID-04	Soil	606900	7074780		0.013	93	6	96	0.3	4
TID-05	Soil	606874	7074792		0.008	101	<3	102	0.4	5
TID-06	Soil	606859	7074799		0.006	107	3	115	0.5	3
TID-07	Soil	606848	7074815		0.005	117	8	70	<0.3	3
TID-08	Soil	606806	7074815		0.008	83	<3	85	<0.3	3
TID-09	Soil	606669	7074854		0.012	84	<3	72	<0.3	<2
TID-10	Soil	606552	7074911		<0.005	55	<3	71	<0.3	2
TID-11	Soil	606552	7075090		0.019	54	3	87	<0.3	4
TID-12	Soil	606569	7075149		0.023	104	<3	34	<0.3	4

Sample	Type	NAD83/E	NAD83/N	Description	Au	Cu	Pb	Zn	Ag	As
TID-13	Soil	606603	7075341		0.045	104	4	243	1.4	4
TID-14	Soil	606449	7075925		0.066	86	<3	60	<0.3	<2
TID-15	Soil	606621	7075362		0.006	65	11	78	<0.3	6
TID-16	Soil	606625	7075341		0.026	106	10	69	<0.3	5
TID-17	Soil	606625	7075314		0.029	135	43	307	0.6	4
TID-18	Soil	606574	7075315		0.024	101	14	191	0.5	4
TID-19	Soil	606574	7075339		0.023	88	11	142	0.6	4
TID-20	Soil	606574	7075365		0.017	97	11	162	0.5	4
TID-21	Soil	606602	7075341		0.043	116	9	296	1.2	<2
TID-22	Soil	606595	7075364		0.027	230	13	198	0.5	4
TID-23	Soil	606607	7075365		0.021	116	12	135	<0.3	7
TID-24	Soil	606600	7075315		0.036	183	14	218	0.7	4
TID-25	Soil	606476	7075950		0.018	32	13	68	<0.3	7
TID-26	Soil	606475	7075925		0.010	61	25	177	<0.3	6
TID-27	Soil	606475	7075901		0.011	86	30	334	<0.3	8
TID-28	Soil	606427	7075899		0.012	54	11	78	<0.3	7
TID-29	Soil	606424	7075927		0.018	96	17	138	<0.3	6
TID-30	Soil	606425	7075949		0.012	54	11	80	<0.3	7
TID-31	Soil	606448	7075923		0.011	115	9	89	0.4	<2
TID-32	Soil	606450	7075953		0.008	81	7	83	<0.3	4
TID-33	Soil	606451	7075899		0.009	53	7	113	<0.3	<2
TID-34	Soil	606442	7075898		0.015	97	44	256	<0.3	8

Statement Of Qualifications

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

I have 31 years prospecting experience in the Yukon and BC.

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

This report is based on fieldwork completed May 21st to September 24th of the 2018 field season.

This report is based on fieldwork completed on the Midas Project

Respectfully submitted,

Bernie Kreft

Cost Statement – May 21st to September 24th 2018

Assaying 181 rocks and 452 soils (30g Au fire assay, 35 element icp)	= \$17,685.36
Excavator Hours (ZX200 for 63 hours x \$135/hour)	= \$8,505.00
Trucking Excavator	= \$1,470.00
Wages Bernie Kreft 17 man days x \$350/day	= \$5,950.00
Wages Justin Kreft 17 man days x \$350/day	= \$5,950.00
Wages Jarret Kreft 17 man days x \$350/day	= \$5,950.00
Food, field and Camp 51 man days \$100/day	= \$5,100.00
Truck Travel 2 round trips Whitehorse-Dawson + to property 2300km x \$0.60/km	= \$1,380.00
Report Prep	= <u>\$2,500.00</u>
TOTAL	= \$54,490.36



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Whitehorse Yukon Y1A 5G9 Canada

Submitted By: Bernie Kreft

Receiving Lab: Canada-Whitehorse

Received: July 03, 2018

Report Date: July 30, 2018

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CERTIFICATE OF ANALYSIS

WHI18000232.1

CLIENT JOB INFORMATION

Project: None Given
Shipment ID:
P.O. Number
Number of Samples: 223

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp 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.

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

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
DY060	223	Dry at 60C			WHI
SS80	223	Dry at 60C sieve 100g to -80 mesh			WHI
FA430	223	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
EN002	223	Environmental disposal charge-Fire assay lead waste			VAN
AQ300	223	1:1:1 Aqua Regia digestion ICP-ES analysis	0.5	Completed	VAN
DISPL	223	Disposal of pulps			VAN
SHP01	223	Per sample shipping charges for branch shipments			VAN

ADDITIONAL COMMENTS


JEFFREY CANNON
Geochemistry Department Supervisor

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



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Project: None Given
Report Date: July 30, 2018

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CERTIFICATE OF ANALYSIS

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Method Analyte Unit MDL	FA430	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
	Au ppm	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	
JUM-01	Soil	0.070	1	115	7	76	0.3	20	30	958	5.10	9	<2	2	<0.5	<3	<3	52	0.04	0.032	5
JUM-02	Soil	<0.005	<1	110	4	96	<0.3	29	35	514	4.46	3	<2	6	<0.5	<3	<3	71	0.09	0.030	2
JUM-03	Soil	<0.005	<1	66	5	55	<0.3	12	20	1000	3.79	8	<2	9	<0.5	<3	<3	53	0.13	0.060	2
JUM-04	Soil	0.019	<1	107	9	117	<0.3	35	23	569	5.25	5	<2	5	<0.5	<3	<3	89	0.03	0.031	8
JUM-05	Soil	0.049	2	98	13	110	0.4	8	6	287	4.34	5	<2	12	<0.5	<3	<3	43	0.03	0.039	8
JUM-06	Soil	0.032	2	117	17	193	0.4	17	13	581	5.11	5	<2	21	<0.5	<3	<3	47	0.06	0.051	9
JUM-07	Soil	0.032	1	168	20	270	0.6	11	13	766	5.27	5	<2	20	<0.5	<3	<3	40	0.05	0.058	9
JUM-08	Soil	0.014	2	67	10	105	0.5	30	17	377	3.69	10	3	9	<0.5	<3	<3	54	0.08	0.029	8
JUM-09	Soil	0.051	1	113	16	129	0.5	22	25	1008	3.87	7	<2	3	<0.5	<3	<3	41	0.07	0.023	4
JUM-10	Soil	0.016	1	71	14	93	0.3	25	18	735	3.68	14	2	10	0.5	<3	<3	53	0.12	0.031	9
JUM-11	Soil	0.030	1	122	14	219	<0.3	16	18	687	4.71	8	<2	7	<0.5	<3	<3	51	0.07	0.036	10
JUM-12	Soil	0.020	<1	114	6	161	0.3	14	8	540	5.94	7	<2	20	<0.5	<3	<3	62	0.05	0.052	10
JUM-13	Soil	<0.005	<1	82	<3	57	<0.3	16	22	1244	3.78	3	<2	7	<0.5	<3	<3	49	0.12	0.064	2
JUM-14	Soil	0.028	<1	95	8	90	<0.3	15	20	1248	4.09	6	<2	8	<0.5	<3	<3	75	0.11	0.034	8
JUM-15	Soil	0.018	<1	106	20	222	<0.3	20	29	1144	5.25	5	<2	5	<0.5	<3	<3	93	0.05	0.029	6
JUM-16	Soil	0.013	<1	64	10	77	<0.3	14	18	569	3.98	5	<2	9	<0.5	<3	<3	48	0.08	0.035	7
JUM-17	Soil	0.038	3	169	75	496	0.9	15	15	778	5.30	7	<2	4	<0.5	<3	<3	43	0.04	0.041	9
JUM-18	Soil	0.057	3	195	16	496	0.4	18	25	781	5.34	8	2	3	0.6	<3	<3	35	0.05	0.031	4
JUM-19	Soil	0.017	<1	103	15	85	<0.3	50	27	1323	4.36	7	<2	6	<0.5	<3	<3	71	0.12	0.034	5
JUM-20	Soil	0.020	1	142	15	71	<0.3	142	33	2412	5.04	5	<2	4	<0.5	<3	<3	86	0.08	0.050	6
JUM-21	Soil	0.015	<1	73	7	53	<0.3	20	21	593	3.63	16	<2	6	<0.5	<3	<3	86	0.13	0.033	5
JUM-22	Soil	0.013	<1	63	10	96	0.3	25	13	693	3.48	8	<2	13	<0.5	<3	<3	54	0.31	0.055	11
JUM-23	Soil	0.016	<1	60	9	98	0.3	23	13	650	3.25	8	<2	15	<0.5	<3	<3	54	0.42	0.055	11
JUM-24	Soil	0.008	<1	49	9	101	<0.3	22	13	639	3.43	8	<2	14	<0.5	<3	<3	57	0.38	0.048	9
JUM-25	Soil	0.010	1	59	13	111	0.4	24	14	948	3.22	9	<2	19	<0.5	<3	<3	55	0.67	0.055	9
JUM-26	Soil	0.027	1	140	21	125	0.7	28	19	1098	3.69	8	<2	13	0.7	<3	<3	53	0.57	0.060	8
JUM-27	Soil	0.025	<1	127	15	127	0.7	32	21	1390	4.03	6	<2	11	0.6	<3	<3	59	0.40	0.062	8
JUM-28	Soil	0.020	<1	111	20	131	0.5	31	22	1285	3.88	8	<2	11	0.7	<3	<3	54	0.46	0.064	6
JUM-29	Soil	0.014	<1	72	36	199	0.4	32	24	1750	3.99	7	<2	9	1.5	<3	<3	64	0.28	0.038	6
DID-01	Soil	<0.005	<1	62	9	73	<0.3	8	26	1694	4.78	10	<2	3	<0.5	<3	<3	54	0.13	0.083	1



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Whitehorse Yukon Y1A 5G9 Canada

Project: None Given
Report Date: July 30, 2018

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CERTIFICATE OF ANALYSIS

WHI18000232.1

Method	Analyte	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
MDL		1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
JUM-01	Soil	15	1.36	109	0.016	<20	2.51	<0.01	0.02	<2	<0.05	<1	<5	5	7
JUM-02	Soil	16	1.87	114	0.033	<20	3.18	<0.01	<0.01	<2	<0.05	<1	<5	6	8
JUM-03	Soil	17	1.24	41	0.039	<20	1.89	<0.01	0.02	<2	<0.05	<1	<5	5	<5
JUM-04	Soil	70	1.89	50	0.009	<20	2.60	<0.01	0.01	<2	<0.05	<1	<5	6	14
JUM-05	Soil	12	1.16	82	0.038	<20	1.57	<0.01	0.03	<2	0.05	<1	<5	<5	6
JUM-06	Soil	25	1.45	121	0.005	<20	2.12	<0.01	0.05	<2	0.10	<1	<5	<5	9
JUM-07	Soil	13	1.33	115	0.007	<20	1.81	0.02	0.05	<2	0.09	<1	<5	<5	6
JUM-08	Soil	34	0.92	169	0.032	<20	2.36	<0.01	0.04	<2	<0.05	<1	<5	<5	<5
JUM-09	Soil	31	1.22	44	0.002	<20	1.83	<0.01	0.01	<2	<0.05	<1	<5	<5	6
JUM-10	Soil	29	0.93	178	0.028	<20	2.18	<0.01	0.03	<2	<0.05	<1	<5	<5	<5
JUM-11	Soil	19	1.03	113	0.025	<20	2.00	<0.01	0.03	<2	<0.05	<1	<5	<5	7
JUM-12	Soil	13	1.95	107	0.006	<20	2.54	<0.01	0.03	<2	<0.05	<1	<5	6	10
JUM-13	Soil	15	1.40	41	0.029	<20	2.05	<0.01	0.01	<2	<0.05	<1	<5	<5	<5
JUM-14	Soil	18	1.45	153	0.022	<20	2.51	<0.01	0.02	<2	<0.05	<1	<5	6	11
JUM-15	Soil	18	1.79	75	0.007	<20	2.64	<0.01	0.01	<2	<0.05	<1	<5	6	12
JUM-16	Soil	15	1.22	87	0.019	<20	2.01	<0.01	0.02	<2	<0.05	<1	<5	<5	5
JUM-17	Soil	19	1.14	96	0.012	<20	1.88	<0.01	0.02	<2	<0.05	<1	<5	<5	6
JUM-18	Soil	16	1.24	82	0.005	<20	2.16	<0.01	0.02	<2	<0.05	<1	<5	<5	<5
JUM-19	Soil	128	2.14	77	0.008	<20	2.88	<0.01	0.01	<2	<0.05	<1	<5	6	12
JUM-20	Soil	426	2.73	81	0.014	<20	3.23	<0.01	0.01	<2	<0.05	<1	<5	5	16
JUM-21	Soil	15	1.78	92	0.016	<20	2.46	<0.01	0.02	<2	<0.05	<1	<5	6	11
JUM-22	Soil	36	1.09	222	0.024	<20	2.04	<0.01	0.03	<2	<0.05	<1	<5	<5	6
JUM-23	Soil	34	1.00	242	0.026	<20	2.04	<0.01	0.03	<2	<0.05	<1	<5	5	6
JUM-24	Soil	34	1.09	197	0.024	<20	2.19	<0.01	0.03	<2	<0.05	<1	<5	<5	5
JUM-25	Soil	36	0.96	241	0.023	<20	2.10	<0.01	0.03	<2	<0.05	<1	<5	5	6
JUM-26	Soil	42	1.22	130	0.015	<20	2.07	<0.01	0.02	<2	<0.05	<1	<5	<5	7
JUM-27	Soil	49	1.54	140	0.014	<20	2.39	<0.01	0.02	<2	<0.05	<1	<5	5	8
JUM-28	Soil	45	1.48	123	0.015	<20	2.22	<0.01	0.02	<2	<0.05	<1	<5	5	7
JUM-29	Soil	48	1.59	127	0.015	<20	2.28	<0.01	0.02	<2	<0.05	<1	<5	6	9
DID-01	Soil	8	1.37	25	0.011	<20	2.34	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5



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Project: None Given
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CERTIFICATE OF ANALYSIS

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Method Analyte Unit MDL	FA430	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
	Au ppm	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	
DID-02	Soil	<0.005	<1	57	9	58	<0.3	11	26	1257	4.59	8	<2	2	<0.5	<3	<3	46	0.11	0.069	2
DID-03	Soil	<0.005	<1	67	6	55	<0.3	14	18	1099	4.18	7	<2	4	<0.5	<3	<3	54	0.11	0.054	3
DID-04	Soil	<0.005	<1	120	4	93	0.4	14	33	2031	5.74	6	<2	7	<0.5	<3	<3	76	0.23	0.066	11
DID-05	Soil	<0.005	2	63	<3	64	<0.3	13	18	549	4.74	6	<2	4	<0.5	<3	<3	57	0.06	0.028	3
DID-06	Soil	<0.005	<1	55	<3	56	<0.3	11	15	565	4.10	4	<2	7	<0.5	<3	<3	72	0.12	0.025	3
DID-07	Soil	<0.005	<1	20	5	53	<0.3	7	7	405	3.28	5	<2	9	<0.5	<3	<3	38	0.10	0.044	3
DID-08	Soil	<0.005	<1	39	6	74	<0.3	9	15	647	3.87	10	<2	2	<0.5	<3	<3	47	0.08	0.050	1
DID-09	Soil	0.005	1	123	4	101	<0.3	40	27	1525	6.25	4	<2	6	<0.5	<3	<3	102	0.14	0.037	8
DID-10	Soil	<0.005	<1	27	4	52	<0.3	17	17	1149	3.34	2	<2	3	<0.5	<3	<3	60	0.09	0.037	1
DID-11	Soil	0.005	<1	54	4	45	<0.3	10	13	757	3.35	5	<2	5	<0.5	<3	<3	55	0.09	0.041	3
DID-12	Soil	0.020	<1	75	7	94	<0.3	21	29	1002	4.25	12	<2	5	<0.5	<3	<3	49	0.08	0.033	4
DID-13	Soil	0.010	<1	84	10	39	<0.3	184	30	568	3.71	3	<2	3	<0.5	<3	<3	104	0.11	0.013	6
DID-14	Soil	0.013	1	83	15	105	<0.3	16	22	806	4.58	8	2	5	<0.5	<3	<3	51	0.05	0.034	11
DID-15	Soil	0.009	<1	54	10	83	<0.3	31	14	573	3.26	10	4	10	<0.5	<3	<3	54	0.10	0.037	14
DID-16	Soil	0.010	<1	88	11	115	<0.3	25	22	827	4.28	6	<2	5	<0.5	<3	<3	54	0.07	0.027	4
DID-17	Soil	0.011	<1	75	6	97	<0.3	36	18	767	3.90	11	2	6	<0.5	<3	<3	75	0.09	0.020	11
DID-18	Soil	0.008	<1	77	6	142	<0.3	18	19	742	4.13	16	<2	6	<0.5	<3	<3	53	0.07	0.022	8
DID-19	Soil	0.009	1	48	8	139	0.3	25	16	470	3.96	53	3	3	<0.5	<3	<3	44	0.03	0.027	8
DID-20	Soil	0.021	<1	84	17	229	<0.3	14	28	967	5.40	7	<2	8	<0.5	<3	<3	64	0.08	0.042	8
DID-21	Soil	0.045	2	85	12	130	<0.3	16	23	687	4.97	9	<2	11	<0.5	<3	<3	54	0.07	0.036	10
DID-22	Soil	0.015	<1	54	6	83	<0.3	21	21	1010	3.68	5	<2	8	<0.5	<3	<3	44	0.14	0.056	5
DID-23	Soil	0.011	<1	61	6	68	<0.3	25	16	706	3.66	7	<2	9	<0.5	<3	<3	58	0.10	0.046	7
DID-24	Soil	0.005	<1	32	4	72	<0.3	12	15	690	3.31	8	<2	8	<0.5	<3	<3	52	0.09	0.038	5
DID-25	Soil	0.007	<1	45	7	72	<0.3	17	16	750	3.29	12	<2	10	<0.5	<3	<3	46	0.12	0.037	7
DID-26	Soil	0.009	<1	65	8	70	<0.3	24	13	545	2.80	14	3	11	<0.5	<3	<3	43	0.13	0.039	10
DID-27	Soil	0.006	1	46	9	119	<0.3	27	12	432	3.23	24	3	12	<0.5	<3	<3	60	0.13	0.034	20
DID-28	Soil	0.006	1	71	14	421	0.6	35	13	536	3.76	84	5	9	0.7	<3	<3	45	0.12	0.055	12
DID-29	Soil	<0.005	<1	42	25	119	<0.3	26	15	1403	3.71	10	<2	6	<0.5	<3	<3	49	0.11	0.041	6
DID-30	Soil	0.016	<1	67	12	121	<0.3	27	20	1002	3.70	7	<2	9	<0.5	<3	<3	63	0.18	0.034	5
DID-31	Soil	0.015	<1	117	17	270	<0.3	33	26	1436	4.19	14	<2	7	0.8	<3	<3	59	0.19	0.046	6



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Project: None Given
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Method	Analyte	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
MDL		1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
DID-02	Soil	9	1.39	29	0.014	<20	2.15	<0.01	0.01	<2	<0.05	<1	<5	<5	<5
DID-03	Soil	12	1.51	65	0.024	<20	2.56	<0.01	0.02	<2	<0.05	<1	<5	5	6
DID-04	Soil	4	1.53	205	0.004	<20	2.39	<0.01	0.02	<2	<0.05	<1	<5	5	14
DID-05	Soil	11	1.39	76	0.045	<20	2.72	<0.01	0.02	<2	<0.05	<1	<5	5	<5
DID-06	Soil	9	1.29	102	0.016	<20	2.37	<0.01	0.02	<2	<0.05	<1	<5	6	7
DID-07	Soil	11	0.89	81	0.042	<20	1.62	<0.01	0.02	<2	<0.05	<1	<5	<5	<5
DID-08	Soil	7	1.08	33	0.021	<20	1.99	<0.01	0.01	<2	<0.05	<1	<5	<5	<5
DID-09	Soil	39	0.80	84	0.013	<20	1.73	<0.01	0.02	<2	<0.05	<1	<5	<5	15
DID-10	Soil	16	1.57	35	0.033	<20	2.25	<0.01	<0.01	<2	<0.05	<1	<5	5	6
DID-11	Soil	13	1.08	43	0.025	<20	1.91	<0.01	0.01	<2	<0.05	<1	<5	<5	5
DID-12	Soil	23	1.27	90	0.013	<20	2.24	<0.01	0.02	<2	<0.05	<1	<5	<5	5
DID-13	Soil	689	4.14	29	0.136	<20	3.17	<0.01	<0.01	<2	<0.05	<1	<5	<5	10
DID-14	Soil	16	1.02	151	0.013	<20	1.95	<0.01	0.03	<2	<0.05	<1	<5	<5	8
DID-15	Soil	60	0.98	161	0.054	<20	2.07	<0.01	0.03	<2	<0.05	<1	<5	<5	6
DID-16	Soil	54	1.84	57	0.012	<20	2.55	<0.01	0.01	<2	<0.05	<1	<5	<5	6
DID-17	Soil	71	1.91	88	0.070	<20	2.54	<0.01	0.02	<2	<0.05	<1	<5	<5	8
DID-18	Soil	18	1.68	68	0.066	<20	2.36	<0.01	0.02	<2	<0.05	<1	<5	<5	5
DID-19	Soil	21	1.35	86	0.015	<20	2.50	<0.01	0.02	<2	<0.05	<1	<5	<5	<5
DID-20	Soil	10	1.43	86	0.004	<20	2.49	<0.01	0.02	<2	<0.05	<1	<5	5	9
DID-21	Soil	15	1.12	103	0.016	<20	2.15	<0.01	0.04	<2	<0.05	<1	<5	<5	7
DID-22	Soil	32	1.31	66	0.010	<20	2.07	<0.01	0.02	<2	<0.05	<1	<5	<5	5
DID-23	Soil	47	1.33	94	0.024	<20	2.56	<0.01	0.03	<2	<0.05	<1	<5	5	<5
DID-24	Soil	17	1.07	92	0.022	<20	2.12	<0.01	0.02	<2	<0.05	<1	<5	<5	<5
DID-25	Soil	19	1.04	97	0.031	<20	2.13	<0.01	0.03	<2	<0.05	<1	<5	<5	<5
DID-26	Soil	20	0.81	116	0.041	<20	1.92	<0.01	0.04	<2	<0.05	<1	<5	<5	<5
DID-27	Soil	31	0.74	207	0.057	<20	2.21	<0.01	0.04	<2	<0.05	<1	<5	<5	<5
DID-28	Soil	26	1.03	138	0.067	<20	2.18	<0.01	0.03	<2	<0.05	<1	<5	<5	<5
DID-29	Soil	50	1.22	88	0.049	<20	2.18	<0.01	0.03	<2	<0.05	<1	<5	<5	<5
DID-30	Soil	40	1.49	80	0.012	<20	2.36	<0.01	0.02	<2	<0.05	<1	<5	<5	6
DID-31	Soil	54	1.70	113	0.012	<20	2.37	<0.01	0.02	<2	<0.05	<1	<5	<5	7



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Method Analyte Unit MDL	FA430	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	
	Au ppm	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	
DID-32	Soil	0.016	<1	201	36	186	0.5	69	41	4662	4.98	4	<2	10	2.8	<3	<3	75	0.54	0.049	8
DID-33	Soil	0.011	<1	35	5	68	<0.3	24	16	750	4.27	6	<2	13	<0.5	<3	<3	70	0.19	0.059	9
DID-34	Soil	0.008	<1	31	10	54	<0.3	17	11	398	2.99	9	<2	13	<0.5	<3	<3	53	0.15	0.075	12
DID-35	Soil	0.006	<1	31	10	57	<0.3	19	12	478	3.14	8	<2	14	<0.5	<3	<3	55	0.19	0.061	12
DID-36	Soil	0.010	1	30	8	65	<0.3	18	11	470	3.23	8	<2	12	<0.5	<3	<3	59	0.14	0.065	12
DID-37	Soil	0.009	1	47	7	75	<0.3	21	13	495	3.31	9	<2	13	<0.5	<3	<3	59	0.15	0.035	13
DID-38	Soil	0.010	<1	37	8	66	<0.3	20	12	577	3.31	8	<2	17	<0.5	<3	<3	57	0.19	0.042	13
DID-39	Soil	0.013	<1	44	7	77	<0.3	23	15	623	3.54	8	<2	17	<0.5	<3	<3	63	0.20	0.039	13
DID-40	Soil	0.008	<1	67	4	128	<0.3	25	27	953	4.31	6	<2	10	<0.5	<3	<3	75	0.18	0.045	2
DID-41	Soil	0.018	<1	56	5	87	<0.3	18	16	704	3.92	7	<2	7	<0.5	<3	<3	60	0.10	0.037	10
DID-42	Soil	0.026	<1	74	3	166	<0.3	19	19	994	4.01	7	<2	6	<0.5	<3	<3	49	0.10	0.036	9
DID-43	Soil	0.014	<1	88	6	193	<0.3	17	24	1207	4.44	5	<2	7	<0.5	<3	<3	51	0.15	0.055	8
DID-44	Soil	0.024	<1	77	6	76	<0.3	16	19	976	3.82	5	2	5	<0.5	<3	<3	56	0.07	0.032	10
DID-45	Soil	0.011	<1	115	5	60	<0.3	14	23	1350	3.53	2	<2	5	<0.5	<3	<3	46	0.15	0.066	8
DID-46	Soil	0.009	<1	60	7	62	<0.3	12	20	916	3.78	4	<2	4	<0.5	<3	<3	54	0.09	0.045	3
DID-47	Soil	0.011	<1	120	8	128	<0.3	19	25	1879	4.53	4	<2	4	<0.5	<3	<3	66	0.11	0.056	13
DID-48	Soil	0.008	<1	48	13	63	<0.3	16	15	1610	3.16	6	2	5	<0.5	<3	<3	36	0.10	0.045	9
DID-49	Soil	<0.005	<1	41	3	50	<0.3	12	19	664	3.38	7	<2	7	<0.5	<3	<3	59	0.13	0.039	3
DID-50	Soil	0.016	<1	37	3	54	<0.3	13	17	532	3.36	7	<2	9	<0.5	<3	<3	56	0.12	0.019	4
DID-51	Soil	0.019	<1	53	6	61	<0.3	12	17	564	3.63	8	<2	7	<0.5	<3	<3	57	0.12	0.022	5
DID-52	Soil	0.011	<1	53	9	73	<0.3	15	19	709	3.54	7	3	9	<0.5	<3	<3	50	0.15	0.036	7
DID-53	Soil	0.011	<1	50	26	74	<0.3	16	12	577	3.17	9	3	8	<0.5	<3	<3	45	0.12	0.042	8
DID-54	Soil	0.007	<1	44	13	71	<0.3	16	11	760	3.05	4	3	5	<0.5	<3	<3	37	0.10	0.040	6
DID-55	Soil	0.020	<1	61	10	89	<0.3	19	18	1248	3.72	14	3	3	<0.5	<3	<3	38	0.15	0.072	7
DID-56	Soil	0.013	<1	66	12	159	<0.3	22	16	1048	3.75	8	2	6	<0.5	<3	<3	52	0.14	0.059	10
DID-57	Soil	0.023	<1	72	14	70	<0.3	24	19	956	3.49	9	<2	7	<0.5	<3	<3	58	0.14	0.057	12
DID-58	Soil	0.013	<1	67	11	86	<0.3	24	17	807	3.48	6	3	8	<0.5	<3	<3	55	0.18	0.067	7
DID-59	Soil	0.008	<1	66	17	115	<0.3	17	20	1042	3.50	7	<2	6	<0.5	<3	<3	50	0.18	0.070	8
DID-60	Soil	0.013	<1	133	79	689	0.9	8	19	1360	3.72	8	<2	6	4.0	<3	<3	40	0.31	0.117	9
DID-61	Soil	0.012	<1	57	19	108	<0.3	19	15	801	3.36	7	3	9	<0.5	<3	<3	55	0.21	0.060	9



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Method	Analyte	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
MDL		1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
DID-32	Soil	118	2.65	191	0.004	<20	3.20	<0.01	0.01	<2	<0.05	<1	<5	5	22
DID-33	Soil	32	1.47	180	0.046	<20	2.37	<0.01	0.03	<2	<0.05	<1	<5	<5	5
DID-34	Soil	25	0.81	192	0.040	<20	1.87	<0.01	0.03	<2	<0.05	<1	<5	<5	<5
DID-35	Soil	25	0.99	186	0.042	<20	1.90	<0.01	0.03	<2	<0.05	<1	<5	<5	<5
DID-36	Soil	28	0.96	182	0.045	<20	2.06	<0.01	0.03	<2	<0.05	<1	<5	<5	<5
DID-37	Soil	29	1.02	197	0.055	<20	2.20	<0.01	0.04	<2	<0.05	<1	<5	<5	6
DID-38	Soil	26	0.99	257	0.043	<20	1.94	<0.01	0.04	<2	<0.05	<1	<5	<5	5
DID-39	Soil	30	1.24	249	0.053	<20	2.09	<0.01	0.04	<2	<0.05	<1	<5	<5	6
DID-40	Soil	35	2.28	60	0.058	<20	2.80	<0.01	0.02	<2	<0.05	<1	<5	6	<5
DID-41	Soil	22	1.42	101	0.040	<20	2.40	<0.01	0.03	<2	<0.05	<1	<5	5	6
DID-42	Soil	23	1.64	76	0.035	<20	2.34	<0.01	0.03	<2	<0.05	<1	<5	<5	6
DID-43	Soil	19	1.98	75	0.033	<20	2.50	<0.01	0.02	<2	<0.05	<1	<5	6	6
DID-44	Soil	23	1.50	76	0.019	<20	2.18	<0.01	0.02	<2	<0.05	<1	<5	5	8
DID-45	Soil	16	1.59	41	0.050	<20	2.01	<0.01	0.02	<2	<0.05	<1	<5	<5	7
DID-46	Soil	19	1.44	55	0.038	<20	2.33	<0.01	0.02	<2	<0.05	<1	<5	5	<5
DID-47	Soil	27	1.82	97	0.006	<20	2.64	<0.01	0.02	<2	<0.05	<1	<5	7	13
DID-48	Soil	19	1.34	108	0.010	<20	1.91	<0.01	0.02	<2	<0.05	<1	<5	<5	6
DID-49	Soil	12	1.39	60	0.059	<20	2.17	<0.01	0.02	<2	<0.05	<1	<5	<5	<5
DID-50	Soil	14	1.44	78	0.084	<20	2.18	<0.01	0.02	<2	<0.05	<1	<5	<5	<5
DID-51	Soil	15	1.47	79	0.089	<20	2.29	<0.01	0.03	<2	<0.05	<1	<5	<5	<5
DID-52	Soil	16	1.42	172	0.052	<20	2.08	<0.01	0.04	<2	<0.05	<1	<5	<5	<5
DID-53	Soil	22	0.99	161	0.046	<20	2.05	<0.01	0.04	<2	<0.05	<1	<5	<5	<5
DID-54	Soil	22	1.29	75	0.025	<20	1.92	<0.01	0.03	<2	<0.05	<1	<5	<5	<5
DID-55	Soil	25	1.50	58	0.018	<20	2.08	<0.01	0.02	<2	<0.05	<1	<5	<5	<5
DID-56	Soil	34	1.51	84	0.033	<20	2.28	<0.01	0.02	<2	<0.05	<1	<5	<5	<5
DID-57	Soil	39	1.41	113	0.031	<20	2.30	<0.01	0.03	<2	<0.05	<1	<5	6	6
DID-58	Soil	34	1.53	108	0.028	<20	2.16	<0.01	0.02	<2	<0.05	<1	<5	<5	5
DID-59	Soil	22	1.51	130	0.030	<20	2.12	<0.01	0.02	<2	<0.05	<1	<5	5	6
DID-60	Soil	11	1.21	82	0.006	<20	1.87	<0.01	0.02	<2	<0.05	<1	<5	6	9
DID-61	Soil	27	1.32	149	0.037	<20	2.12	<0.01	0.03	<2	<0.05	<1	<5	6	<5



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Method Analyte Unit MDL	FA430	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
	Au ppm	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm
DID-63 Soil	0.469	<1	41	47	253	<0.3	17	12	908	2.91	11	6	12	0.6	<3	<3	36	0.22	0.051	16
DID-64 Soil	0.034	<1	69	111	222	<0.3	24	13	833	3.18	18	5	10	0.6	<3	<3	42	0.14	0.037	17
DID-65 Soil	0.015	4	88	292	456	0.8	17	16	805	3.65	80	6	5	1.5	<3	<3	20	0.12	0.066	15
DID-66 Soil	0.015	<1	82	4	93	<0.3	13	25	1446	3.89	<2	<2	2	<0.5	<3	<3	48	0.08	0.033	2
DID-67 Soil	0.007	<1	62	4	64	<0.3	11	24	769	3.82	3	<2	5	<0.5	<3	<3	66	0.14	0.026	4
DID-68 Soil	0.028	<1	78	3	64	<0.3	10	27	897	3.97	<2	<2	8	<0.5	<3	<3	85	0.19	0.030	5
DID-69 Soil	0.006	<1	66	7	64	<0.3	21	20	959	3.92	4	3	8	<0.5	<3	<3	79	0.14	0.031	8
DID-70 Soil	0.048	1	89	7	65	<0.3	52	28	1012	4.78	9	2	10	<0.5	<3	<3	94	0.14	0.027	11
DID-71 Soil	0.008	<1	36	7	47	<0.3	59	16	472	2.81	5	3	12	<0.5	<3	<3	66	0.20	0.035	8
DID-72 Soil	<0.005	<1	41	5	45	<0.3	77	18	437	2.66	3	2	11	<0.5	<3	<3	60	0.19	0.024	6
DID-73 Soil	<0.005	<1	72	4	45	<0.3	130	24	926	3.25	2	2	9	<0.5	<3	<3	89	0.19	0.033	6
DID-74 Soil	0.013	<1	43	<3	31	<0.3	98	17	424	2.24	<2	3	5	<0.5	<3	<3	46	0.15	0.027	3
DID-75 Soil	<0.005	<1	42	<3	36	<0.3	105	21	441	2.67	<2	<2	6	<0.5	<3	<3	67	0.15	0.033	3
DID-76 Soil	<0.005	<1	46	<3	35	<0.3	87	17	405	2.24	<2	<2	5	<0.5	<3	<3	50	0.17	0.029	3
DID-77 Soil	<0.005	<1	88	5	73	<0.3	127	35	1234	5.05	<2	<2	9	<0.5	<3	<3	148	0.28	0.043	6
DID-78 Soil	0.012	<1	88	8	101	<0.3	67	30	1050	5.20	<2	<2	7	<0.5	<3	<3	123	0.14	0.031	6
DID-79 Soil	0.012	<1	36	9	72	<0.3	38	12	444	3.31	7	5	9	<0.5	<3	<3	64	0.13	0.030	10
DID-80 Soil	<0.005	<1	40	6	43	<0.3	70	17	439	2.92	<2	<2	6	<0.5	<3	<3	69	0.11	0.023	4
DID-81 Soil	<0.005	<1	45	6	42	<0.3	74	18	451	2.98	2	4	7	<0.5	<3	<3	67	0.13	0.026	4
DID-82 Soil	0.040	<1	47	10	79	<0.3	33	14	532	3.36	6	3	7	<0.5	<3	<3	59	0.10	0.037	7
DID-83 Soil	0.005	<1	40	8	86	<0.3	28	11	564	2.48	3	3	5	<0.5	<3	<3	31	0.12	0.042	6
DID-84 Soil	0.006	<1	47	5	42	<0.3	57	14	368	2.52	4	3	7	<0.5	<3	<3	56	0.11	0.011	5
DID-85 Soil	<0.005	<1	52	4	44	<0.3	82	19	498	2.78	<2	<2	6	<0.5	<3	<3	62	0.13	0.021	5
DID-86 Soil	0.010	<1	49	8	47	<0.3	29	9	311	2.40	8	3	15	<0.5	<3	<3	46	0.19	0.027	12
DID-87 Soil	0.014	<1	46	5	47	<0.3	56	16	446	2.71	7	2	11	<0.5	<3	<3	58	0.14	0.016	11
DID-88 Soil	0.005	<1	49	4	51	<0.3	69	17	496	2.63	3	<2	5	<0.5	<3	<3	57	0.10	0.026	7
JCS-01 Soil	0.011	<1	48	8	60	<0.3	23	18	844	3.58	5	3	7	<0.5	<3	<3	96	0.12	0.031	6
JCS-02 Soil	0.016	<1	36	7	62	<0.3	17	15	527	3.06	7	2	10	<0.5	<3	<3	60	0.17	0.034	8
JCS-03 Soil	0.030	<1	42	5	58	<0.3	15	17	730	3.28	5	<2	7	<0.5	<3	<3	64	0.17	0.033	6
JCS-04 Soil	0.015	<1	24	7	55	<0.3	15	9	273	2.72	7	<2	11	<0.5	<3	<3	54	0.19	0.042	8



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Project: None Given
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CERTIFICATE OF ANALYSIS

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Method	Analyte	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
MDL		1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
DID-63	Soil	21	0.77	197	0.020	<20	1.59	<0.01	0.03	<2	<0.05	<1	<5	<5	5
DID-64	Soil	37	0.83	163	0.022	<20	1.87	<0.01	0.03	<2	<0.05	<1	<5	<5	5
DID-65	Soil	25	0.65	61	0.013	<20	1.68	<0.01	0.03	<2	<0.05	<1	<5	<5	<5
DID-66	Soil	13	1.69	82	0.020	<20	2.14	<0.01	0.04	<2	<0.05	<1	<5	6	<5
DID-67	Soil	11	1.79	112	0.046	<20	2.18	<0.01	0.04	<2	<0.05	<1	<5	<5	<5
DID-68	Soil	10	1.71	104	0.045	<20	2.14	<0.01	0.03	<2	<0.05	<1	<5	7	6
DID-69	Soil	31	1.41	212	0.019	<20	2.38	<0.01	0.03	<2	<0.05	<1	<5	6	9
DID-70	Soil	111	1.74	238	0.029	<20	2.68	<0.01	0.04	<2	<0.05	<1	<5	5	11
DID-71	Soil	151	1.50	160	0.042	<20	1.96	<0.01	0.03	<2	<0.05	<1	<5	6	5
DID-72	Soil	202	1.95	117	0.041	<20	1.96	<0.01	0.02	<2	<0.05	<1	<5	<5	<5
DID-73	Soil	354	3.14	145	0.045	<20	2.64	<0.01	0.02	<2	<0.05	<1	<5	6	7
DID-74	Soil	281	2.23	61	0.041	<20	1.75	<0.01	0.01	<2	<0.05	<1	<5	<5	<5
DID-75	Soil	307	2.34	43	0.044	<20	1.95	<0.01	0.01	<2	<0.05	<1	<5	5	<5
DID-76	Soil	223	2.05	42	0.048	<20	1.71	<0.01	0.02	<2	<0.05	<1	<5	<5	<5
DID-77	Soil	356	4.21	138	0.044	<20	3.71	<0.01	0.01	<2	<0.05	<1	<5	10	20
DID-78	Soil	171	3.32	114	0.032	<20	3.46	<0.01	0.03	<2	<0.05	<1	<5	10	15
DID-79	Soil	81	1.39	147	0.065	<20	2.18	<0.01	0.05	<2	<0.05	<1	<5	<5	5
DID-80	Soil	192	2.10	85	0.061	<20	2.22	<0.01	0.02	<2	<0.05	<1	<5	<5	<5
DID-81	Soil	194	2.05	98	0.064	<20	2.19	<0.01	0.02	<2	<0.05	<1	<5	<5	<5
DID-82	Soil	65	1.35	124	0.036	<20	2.20	<0.01	0.04	<2	<0.05	<1	<5	9	<5
DID-83	Soil	48	1.26	91	0.042	<20	1.58	<0.01	0.03	<2	<0.05	<1	<5	6	<5
DID-84	Soil	147	1.45	103	0.065	<20	1.80	<0.01	0.02	<2	<0.05	<1	<5	<5	<5
DID-85	Soil	225	2.28	89	0.041	<20	2.07	<0.01	0.02	<2	<0.05	<1	<5	6	5
DID-86	Soil	53	0.81	295	0.033	<20	1.40	<0.01	0.03	<2	<0.05	<1	<5	<5	5
DID-87	Soil	136	1.44	172	0.061	<20	1.84	<0.01	0.02	<2	<0.05	<1	<5	6	6
DID-88	Soil	204	2.11	82	0.053	<20	2.06	<0.01	0.02	<2	<0.05	<1	<5	5	<5
JCS-01	Soil	54	1.61	141	0.027	<20	2.31	<0.01	0.02	<2	<0.05	<1	<5	10	9
JCS-02	Soil	23	0.99	167	0.030	<20	1.83	<0.01	0.03	<2	<0.05	<1	<5	<5	<5
JCS-03	Soil	15	1.26	149	0.023	<20	1.90	<0.01	0.03	<2	<0.05	<1	<5	7	6
JCS-04	Soil	23	0.75	147	0.027	<20	1.67	<0.01	0.03	<2	<0.05	<1	<5	6	<5



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CERTIFICATE OF ANALYSIS

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Method Analyte Unit MDL	FA430	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
	Au ppm	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	
JCS-05	Soil	0.032	2	41	6	45	<0.3	7	13	730	2.54	17	3	6	<0.5	<3	<3	17	0.16	0.042	8
JCS-06	Soil	0.018	<1	54	6	56	<0.3	18	13	473	2.86	6	3	10	<0.5	<3	<3	57	0.17	0.032	11
JCS-07	Soil	0.010	<1	24	9	49	<0.3	12	9	261	2.69	7	<2	9	<0.5	<3	<3	65	0.13	0.047	8
JCS-08	Soil	0.009	<1	40	6	60	<0.3	15	13	411	3.08	5	<2	10	<0.5	<3	<3	71	0.17	0.051	7
JCS-09	Soil	0.008	<1	26	7	53	<0.3	14	11	399	2.78	8	<2	11	<0.5	<3	<3	60	0.16	0.064	9
JCS-10	Soil	0.014	<1	62	5	66	<0.3	14	23	696	3.43	5	<2	8	<0.5	<3	<3	58	0.18	0.046	6
JCS-11	Soil	0.009	<1	31	6	58	<0.3	21	12	418	2.60	7	2	13	<0.5	<3	<3	49	0.19	0.048	11
JCS-12	Soil	0.009	<1	62	9	56	<0.3	79	21	629	3.49	3	3	8	<0.5	<3	<3	84	0.16	0.025	7
JCS-13	Soil	0.013	<1	65	8	65	<0.3	73	20	530	3.69	4	3	8	<0.5	<3	<3	89	0.13	0.014	10
JCS-14	Soil	0.009	<1	54	8	65	<0.3	61	20	792	3.92	5	3	10	<0.5	<3	<3	107	0.16	0.025	10
JCS-15	Soil	0.008	<1	40	8	58	<0.3	50	15	380	3.35	8	<2	10	<0.5	<3	<3	84	0.17	0.020	11
JCS-16	Soil	0.014	<1	76	6	64	<0.3	145	32	1381	4.65	<2	<2	9	<0.5	<3	<3	153	0.26	0.034	6
JCS-17	Soil	0.007	<1	73	6	58	<0.3	69	20	621	3.72	4	<2	8	<0.5	<3	<3	88	0.16	0.019	9
JCS-18	Soil	0.010	<1	64	5	66	<0.3	60	20	619	3.17	3	<2	7	<0.5	<3	<3	53	0.14	0.038	3
JCS-19	Soil	0.017	<1	67	9	84	<0.3	55	17	1077	4.04	4	4	5	<0.5	<3	<3	49	0.09	0.030	14
JCS-20	Soil	0.007	<1	39	6	48	<0.3	58	15	410	2.95	4	<2	8	<0.5	<3	<3	70	0.13	0.028	7
JCS-22	Soil	<0.005	<1	61	4	47	<0.3	72	20	712	3.12	<2	2	10	<0.5	<3	<3	72	0.20	0.038	4
BKND-01	Soil	0.006	<1	73	7	86	<0.3	32	19	798	4.01	3	<2	7	<0.5	<3	<3	70	0.19	0.048	4
BKND-02	Soil	0.008	<1	59	4	70	<0.3	20	19	753	3.79	3	<2	7	<0.5	<3	<3	66	0.13	0.043	4
BKND-03	Soil	0.302	<1	49	5	60	<0.3	21	17	646	3.34	5	<2	11	<0.5	<3	<3	57	0.17	0.052	6
BKND-04	Soil	0.007	<1	54	<3	56	<0.3	17	20	643	3.60	<2	<2	11	<0.5	<3	<3	68	0.21	0.044	4
BKND-05	Soil	0.024	<1	57	3	69	<0.3	17	17	759	4.06	2	<2	7	<0.5	<3	<3	70	0.25	0.069	4
BKND-06	Soil	0.011	<1	42	7	64	<0.3	22	17	754	3.51	7	<2	11	<0.5	<3	<3	63	0.19	0.041	7
BKND-07	Soil	0.028	<1	78	8	71	<0.3	27	23	1412	4.24	5	<2	8	<0.5	<3	<3	68	0.16	0.047	5
BKND-08	Soil	0.014	<1	47	7	61	<0.3	26	18	763	3.66	6	<2	10	<0.5	<3	<3	68	0.16	0.038	8
BKND-09	Soil	0.012	<1	53	10	67	<0.3	26	21	949	3.76	4	<2	8	<0.5	<3	<3	67	0.17	0.039	6
BKND-10	Soil	0.010	<1	62	6	67	<0.3	31	20	973	3.86	4	<2	9	<0.5	<3	<3	71	0.18	0.045	6
BKND-11	Soil	0.021	<1	79	9	70	<0.3	34	24	1178	4.02	5	2	8	<0.5	<3	<3	66	0.16	0.048	8
BKND-12	Soil	0.011	<1	52	11	66	<0.3	19	17	831	3.63	8	2	7	<0.5	<3	<3	54	0.11	0.036	11
BKND-13	Soil	0.009	<1	54	8	71	<0.3	27	21	1355	3.83	6	<2	9	<0.5	<3	<3	56	0.16	0.043	10



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Method	Analyte	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
MDL		1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
JCS-05	Soil	4	0.51	193	0.003	<20	0.92	<0.01	0.04	<2	<0.05	<1	<5	<5	<5
JCS-06	Soil	23	0.93	163	0.035	<20	1.74	<0.01	0.03	<2	<0.05	<1	<5	<5	<5
JCS-07	Soil	22	0.80	103	0.033	<20	1.58	<0.01	0.03	<2	<0.05	<1	<5	7	<5
JCS-08	Soil	18	1.01	121	0.030	<20	1.76	<0.01	0.03	<2	<0.05	<1	<5	5	<5
JCS-09	Soil	24	0.77	132	0.033	<20	1.62	<0.01	0.03	<2	<0.05	<1	<5	<5	<5
JCS-10	Soil	16	1.42	98	0.052	<20	1.97	<0.01	0.03	<2	<0.05	<1	<5	5	<5
JCS-11	Soil	26	0.84	185	0.040	<20	1.50	<0.01	0.04	<2	<0.05	<1	<5	<5	<5
JCS-12	Soil	211	2.47	150	0.052	<20	2.49	<0.01	0.02	<2	<0.05	<1	<5	6	9
JCS-13	Soil	183	2.32	201	0.073	<20	2.70	<0.01	0.03	<2	<0.05	<1	<5	6	12
JCS-14	Soil	140	2.22	186	0.038	<20	2.67	<0.01	0.03	<2	<0.05	<1	<5	7	15
JCS-15	Soil	118	1.61	194	0.063	<20	2.43	<0.01	0.03	<2	<0.05	<1	<5	6	9
JCS-16	Soil	409	4.37	158	0.086	<20	3.57	<0.01	0.02	<2	<0.05	<1	<5	10	26
JCS-17	Soil	178	2.59	137	0.094	<20	2.79	<0.01	0.02	<2	<0.05	<1	<5	5	9
JCS-18	Soil	118	2.09	61	0.072	<20	2.18	<0.01	0.03	<2	<0.05	<1	<5	<5	<5
JCS-19	Soil	103	1.64	201	0.010	<20	2.33	<0.01	0.04	<2	<0.05	<1	<5	8	7
JCS-20	Soil	155	1.75	117	0.055	<20	2.07	<0.01	0.02	<2	<0.05	<1	<5	5	<5
JCS-22	Soil	187	2.41	105	0.049	<20	2.18	<0.01	0.03	<2	<0.05	<1	<5	6	6
BKND-01	Soil	45	2.04	94	0.032	<20	2.53	<0.01	0.02	<2	<0.05	<1	<5	<5	<5
BKND-02	Soil	24	1.94	55	0.075	<20	2.35	<0.01	0.01	<2	<0.05	<1	<5	6	<5
BKND-03	Soil	24	1.38	104	0.048	<20	1.99	<0.01	0.02	<2	<0.05	<1	<5	6	<5
BKND-04	Soil	18	1.95	59	0.064	<20	2.33	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5
BKND-05	Soil	27	1.81	106	0.008	<20	2.38	<0.01	0.01	<2	<0.05	<1	<5	8	8
BKND-06	Soil	29	1.46	150	0.037	<20	2.12	<0.01	0.02	<2	<0.05	<1	<5	<5	5
BKND-07	Soil	38	1.92	152	0.021	<20	2.49	<0.01	0.02	<2	<0.05	<1	<5	6	8
BKND-08	Soil	38	1.74	148	0.040	<20	2.35	<0.01	0.02	<2	<0.05	<1	<5	<5	5
BKND-09	Soil	36	1.89	143	0.028	<20	2.34	<0.01	0.02	<2	<0.05	<1	<5	<5	6
BKND-10	Soil	46	2.18	162	0.024	<20	2.49	<0.01	0.02	<2	<0.05	<1	<5	6	7
BKND-11	Soil	55	2.08	172	0.023	<20	2.40	<0.01	0.02	<2	<0.05	<1	<5	5	8
BKND-12	Soil	23	1.37	117	0.047	<20	2.13	<0.01	0.03	<2	<0.05	<1	<5	<5	5
BKND-13	Soil	33	1.71	156	0.031	<20	2.17	<0.01	0.03	<2	<0.05	<1	<5	<5	7



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Project: None Given
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CERTIFICATE OF ANALYSIS

WHI18000232.1

Method	Analyte	FA430	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm
MDL			1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01	0.001	1
BKND-14	Soil	0.006	<1	50	3	53	<0.3	20	18	610	3.26	5	<2	8	<0.5	<3	<3	60	0.16	0.033	4
BKND-15	Soil	0.013	<1	78	5	56	<0.3	23	22	946	3.88	6	<2	8	<0.5	<3	<3	89	0.18	0.049	3
BKND-16	Soil	0.007	<1	56	<3	57	<0.3	27	32	720	3.62	10	<2	7	<0.5	<3	<3	57	0.19	0.030	3
BKND-17	Soil	0.006	<1	55	<3	41	<0.3	27	19	576	2.91	3	<2	7	<0.5	<3	<3	41	0.19	0.027	2
BKND-18	Soil	0.007	<1	40	4	56	<0.3	12	15	452	3.34	10	<2	9	<0.5	<3	<3	55	0.19	0.032	6
BKND-19	Soil	<0.005	<1	55	<3	62	<0.3	11	19	504	3.30	8	<2	8	<0.5	<3	<3	48	0.20	0.044	3
BKND-20	Soil	0.005	<1	47	<3	57	<0.3	10	16	691	3.53	5	<2	6	<0.5	<3	<3	48	0.18	0.047	2
BKND-21	Soil	<0.005	<1	38	5	59	<0.3	12	14	467	3.24	8	<2	9	<0.5	<3	<3	47	0.17	0.034	6
BKND-22	Soil	0.011	<1	31	<3	56	<0.3	8	15	548	2.91	3	<2	6	<0.5	<3	<3	37	0.23	0.069	<1
BKND-23	Soil	<0.005	<1	56	6	62	<0.3	10	26	848	3.94	4	<2	6	<0.5	<3	<3	52	0.17	0.058	2
BKND-24	Soil	0.005	<1	32	52	124	<0.3	18	13	686	3.09	4	4	7	<0.5	<3	<3	43	0.17	0.072	11
BKND-25	Soil	0.007	<1	29	82	122	<0.3	20	9	802	2.43	8	7	7	<0.5	<3	<3	19	0.20	0.083	11
BKND-26	Soil	<0.005	<1	40	36	79	<0.3	12	13	738	3.38	9	2	9	<0.5	<3	<3	43	0.17	0.056	6
BKND-27	Soil	0.005	<1	27	12	50	<0.3	8	9	662	2.86	8	<2	7	<0.5	<3	<3	31	0.16	0.070	6
BKND-28	Soil	0.008	<1	51	12	61	<0.3	9	15	957	3.53	5	<2	6	<0.5	<3	<3	55	0.18	0.077	6
BKND-30	Soil	0.017	<1	88	<3	36	<0.3	86	35	483	2.57	<2	<2	13	<0.5	<3	<3	46	0.22	0.037	2
BKND-31	Soil	0.005	<1	52	5	45	<0.3	70	18	393	2.64	5	<2	15	<0.5	<3	<3	52	0.23	0.045	6
BKND-32	Soil	<0.005	<1	102	5	139	<0.3	71	27	773	3.47	3	<2	22	<0.5	<3	<3	75	0.32	0.048	3
BKND-33	Soil	<0.005	<1	56	4	41	<0.3	69	18	380	2.53	3	<2	10	<0.5	<3	<3	54	0.15	0.021	6
BKND-34	Soil	<0.005	<1	43	<3	35	<0.3	78	20	363	2.35	<2	<2	9	<0.5	<3	<3	48	0.15	0.029	2
BKND-35	Soil	0.005	<1	104	<3	49	<0.3	93	25	676	3.30	<2	<2	13	<0.5	<3	<3	79	0.31	0.053	3
BKND-36	Soil	0.031	<1	100	4	52	<0.3	70	24	709	3.41	4	<2	11	<0.5	<3	<3	70	0.28	0.051	4
BKND-37	Soil	0.018	<1	60	6	62	<0.3	50	20	587	3.44	4	<2	10	<0.5	<3	<3	76	0.20	0.044	8
BKND-38	Soil	<0.005	<1	37	<3	60	<0.3	20	15	454	2.48	<2	<2	17	<0.5	<3	<3	40	0.26	0.050	4
BKND-39	Soil	0.006	<1	77	<3	51	<0.3	60	21	473	2.94	3	<2	14	<0.5	<3	<3	61	0.21	0.037	5
BKND-40	Soil	0.006	<1	81	<3	56	<0.3	47	22	470	2.83	<2	<2	15	<0.5	<3	<3	53	0.28	0.047	3
BKND-41	Soil	<0.005	<1	78	4	50	<0.3	84	25	669	3.36	3	<2	8	<0.5	<3	<3	72	0.17	0.031	5
BKND-42	Soil	<0.005	<1	59	5	43	<0.3	66	20	459	2.89	4	<2	9	<0.5	<3	<3	61	0.15	0.028	5
BKND-43	Soil	0.013	<1	78	7	65	<0.3	27	25	751	3.85	4	<2	11	<0.5	<3	<3	88	0.19	0.036	4
BKND-44	Soil	<0.005	<1	74	9	86	<0.3	33	25	1389	4.14	5	3	6	<0.5	<3	<3	57	0.16	0.052	5



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CERTIFICATE OF ANALYSIS

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Method	Analyte	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
Unit		ppm	%	ppm	%	ppm	%	%	ppm	%	ppm	ppm	ppm	ppm	
MDL		1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	
BKND-14	Soil	21	1.71	68	0.053	<20	2.12	<0.01	0.02	<2	<0.05	<1	<5	<5	
BKND-15	Soil	33	2.16	93	0.045	<20	2.56	<0.01	0.02	<2	<0.05	<1	<5	8	6
BKND-16	Soil	25	2.14	59	0.087	<20	2.34	<0.01	0.02	<2	<0.05	<1	<5	<5	<5
BKND-17	Soil	32	1.76	49	0.062	<20	1.85	<0.01	0.02	<2	<0.05	<1	<5	<5	<5
BKND-18	Soil	15	1.25	88	0.102	<20	2.10	<0.01	0.02	<2	<0.05	<1	<5	<5	<5
BKND-19	Soil	12	1.44	74	0.059	<20	1.92	<0.01	0.02	<2	<0.05	<1	<5	<5	<5
BKND-20	Soil	6	1.81	91	0.047	<20	2.10	<0.01	0.03	<2	<0.05	<1	<5	<5	<5
BKND-21	Soil	17	1.25	107	0.065	<20	2.07	<0.01	0.03	<2	<0.05	<1	<5	<5	<5
BKND-22	Soil	6	1.60	22	0.042	<20	1.79	<0.01	0.02	<2	<0.05	<1	<5	<5	<5
BKND-23	Soil	10	1.93	51	0.055	<20	2.22	<0.01	0.04	<2	<0.05	<1	<5	<5	<5
BKND-24	Soil	23	1.17	80	0.038	<20	1.86	<0.01	0.06	<2	<0.05	<1	<5	<5	<5
BKND-25	Soil	19	0.98	59	0.026	<20	1.33	<0.01	0.05	<2	<0.05	<1	<5	<5	<5
BKND-26	Soil	17	1.18	76	0.042	<20	1.85	<0.01	0.04	<2	<0.05	<1	<5	<5	<5
BKND-27	Soil	12	0.75	66	0.030	<20	1.43	<0.01	0.02	<2	<0.05	<1	<5	<5	<5
BKND-28	Soil	11	1.32	95	0.021	<20	2.04	<0.01	0.03	<2	<0.05	<1	<5	<5	<5
BKND-30	Soil	217	2.03	50	0.053	<20	1.80	<0.01	0.02	<2	<0.05	<1	<5	<5	<5
BKND-31	Soil	159	1.55	117	0.056	<20	1.83	<0.01	0.03	<2	<0.05	<1	<5	<5	<5
BKND-32	Soil	135	2.44	121	0.070	<20	2.32	<0.01	0.02	<2	<0.05	<1	<5	6	<5
BKND-33	Soil	183	1.71	79	0.064	<20	1.78	<0.01	0.02	<2	<0.05	<1	<5	<5	<5
BKND-34	Soil	239	1.83	32	0.052	<20	1.73	<0.01	0.01	<2	<0.05	<1	<5	<5	<5
BKND-35	Soil	223	2.67	110	0.054	<20	2.41	<0.01	0.02	<2	<0.05	<1	<5	6	8
BKND-36	Soil	139	2.07	114	0.039	<20	2.13	<0.01	0.02	<2	<0.05	<1	<5	5	6
BKND-37	Soil	95	1.68	136	0.037	<20	2.11	<0.01	0.03	<2	<0.05	<1	<5	<5	7
BKND-38	Soil	30	1.49	73	0.048	<20	1.60	<0.01	0.02	<2	<0.05	<1	<5	<5	<5
BKND-39	Soil	119	1.83	95	0.059	<20	2.00	<0.01	0.02	<2	<0.05	<1	<5	<5	<5
BKND-40	Soil	87	1.71	88	0.051	<20	1.84	<0.01	0.02	<2	<0.05	<1	<5	<5	<5
BKND-41	Soil	234	2.25	119	0.052	<20	2.35	<0.01	0.02	<2	<0.05	<1	<5	6	<5
BKND-42	Soil	181	1.74	109	0.063	<20	2.10	<0.01	0.02	<2	<0.05	<1	<5	<5	<5
BKND-43	Soil	47	1.89	137	0.058	<20	2.35	<0.01	0.04	<2	<0.05	<1	<5	7	5
BKND-44	Soil	55	1.65	144	0.052	<20	2.30	<0.01	0.04	<2	<0.05	<1	<5	<5	7



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Method Analyte Unit MDL	FA430	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
	Au ppm	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm
BKND-45 Soil	0.012	<1	57	6	58	<0.3	47	24	925	4.27	4	<2	8	<0.5	<3	<3	102	0.15	0.040	5
BKND-46 Soil	0.016	<1	87	8	68	<0.3	45	31	1183	4.98	4	<2	7	<0.5	<3	<3	104	0.16	0.054	3
BKND-47 Soil	0.007	<1	94	4	77	<0.3	52	30	1417	5.61	<2	<2	4	<0.5	<3	<3	148	0.12	0.030	4
BKND-48 Soil	0.022	<1	108	5	78	<0.3	40	40	1504	6.02	10	<2	5	<0.5	<3	<3	120	0.08	0.049	3
BKND-49 Soil	<0.005	<1	79	4	66	<0.3	30	34	1356	5.05	4	<2	10	<0.5	<3	<3	107	0.17	0.040	3
BKND-50 Soil	<0.005	<1	49	5	43	<0.3	66	15	467	2.72	3	<2	16	<0.5	<3	<3	51	0.20	0.025	4
BKND-51 Soil	<0.005	<1	53	3	33	<0.3	99	19	551	2.65	<2	<2	7	<0.5	<3	<3	67	0.19	0.026	4
BKND-52 Soil	0.034	<1	165	17	145	0.6	38	33	1020	4.10	12	<2	6	0.7	<3	<3	56	0.17	0.086	9
BKND-53 Soil	0.034	<1	65	7	101	0.3	21	15	591	2.54	5	<2	7	<0.5	<3	<3	41	0.19	0.078	5
BKND-54 Soil	0.041	<1	86	17	257	<0.3	24	14	1162	3.13	7	<2	7	2.1	<3	<3	30	0.19	0.053	8
BKND-55 Soil	0.011	<1	117	25	703	0.9	29	21	1913	3.87	21	<2	10	5.8	<3	<3	48	0.26	0.072	11
BKND-56 Soil	0.007	<1	129	41	283	0.7	45	26	2404	4.27	6	<2	4	3.3	<3	<3	86	0.14	0.053	9
JUS-01 Soil	<0.005	<1	72	6	91	<0.3	13	15	906	4.29	5	<2	6	<0.5	<3	<3	61	0.14	0.044	8
JUS-02 Soil	0.008	<1	38	8	69	<0.3	27	18	830	3.75	7	2	10	<0.5	<3	<3	69	0.17	0.043	11
JUS-03 Soil	0.076	<1	26	9	57	<0.3	19	10	359	3.00	8	<2	11	<0.5	<3	<3	59	0.13	0.042	13
JUS-04 Soil	0.009	<1	30	9	56	<0.3	20	11	414	3.01	8	2	12	<0.5	<3	<3	59	0.15	0.040	13
JUS-05 Soil	0.006	<1	33	11	64	<0.3	20	11	398	3.29	8	<2	11	<0.5	<3	<3	64	0.11	0.050	11
JUS-06 Soil	0.009	<1	55	8	64	<0.3	21	18	783	3.95	6	<2	9	<0.5	<3	<3	67	0.16	0.047	6
JUS-07 Soil	0.005	<1	27	11	59	<0.3	20	10	375	3.18	9	<2	14	<0.5	<3	<3	63	0.15	0.043	12
JUS-08 Soil	0.009	<1	52	7	69	<0.3	26	18	632	3.82	6	<2	14	<0.5	<3	<3	68	0.18	0.035	10
JUS-09 Soil	0.009	<1	39	11	66	<0.3	21	13	510	3.42	8	3	14	<0.5	<3	<3	64	0.16	0.031	11
JUS-10 Soil	0.009	<1	47	11	70	<0.3	24	16	591	3.58	8	<2	14	<0.5	<3	<3	67	0.16	0.035	12
JUS-11 Soil	0.016	<1	59	8	72	<0.3	25	18	662	3.70	7	3	10	<0.5	<3	<3	67	0.13	0.030	11
JUS-12 Soil	0.030	<1	56	10	66	<0.3	21	14	533	3.45	8	<2	11	<0.5	<3	<3	61	0.13	0.029	11
JUS-13 Soil	0.016	<1	36	13	64	<0.3	20	13	551	3.61	9	<2	11	<0.5	<3	<3	72	0.12	0.041	10
JUS-14 Soil	0.021	<1	79	15	80	<0.3	19	19	877	3.81	6	<2	7	<0.5	<3	<3	67	0.12	0.034	8
JUS-15 Soil	0.006	<1	54	19	81	<0.3	21	16	737	3.69	7	<2	7	<0.5	<3	<3	60	0.09	0.029	7
JUS-16 Soil	0.005	<1	39	25	65	<0.3	20	14	537	3.57	9	<2	10	<0.5	<3	<3	66	0.12	0.027	9
JUS-17 Soil	0.017	<1	83	8	73	<0.3	26	21	842	4.03	9	<2	13	<0.5	<3	<3	74	0.19	0.057	14
JUS-18 Soil	0.016	<1	25	4	54	<0.3	15	16	532	3.37	6	<2	9	<0.5	<3	<3	54	0.17	0.026	4



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Method	Analyte	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
MDL		1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
BKND-45	Soil	118	2.44	122	0.046	<20	2.76	<0.01	0.03	<2	<0.05	<1	<5	9	10
BKND-46	Soil	112	2.74	101	0.044	<20	3.04	<0.01	0.03	<2	<0.05	<1	<5	12	12
BKND-47	Soil	151	3.80	82	0.056	<20	3.79	<0.01	0.02	<2	<0.05	<1	<5	12	20
BKND-48	Soil	73	2.89	92	0.041	<20	3.56	<0.01	0.04	<2	<0.05	<1	<5	11	12
BKND-49	Soil	64	2.62	75	0.082	<20	3.12	<0.01	0.03	<2	<0.05	<1	<5	8	8
BKND-50	Soil	196	1.88	92	0.085	<20	1.98	<0.01	0.03	<2	<0.05	<1	<5	<5	<5
BKND-51	Soil	328	2.38	78	0.050	<20	2.26	<0.01	0.02	<2	<0.05	<1	<5	7	<5
BKND-52	Soil	63	1.51	96	0.008	<20	2.11	<0.01	0.01	<2	<0.05	<1	<5	7	13
BKND-53	Soil	35	1.27	79	0.012	<20	1.74	<0.01	0.01	<2	<0.05	<1	<5	6	6
BKND-54	Soil	65	1.17	150	0.014	<20	1.73	<0.01	0.02	<2	<0.05	<1	<5	<5	<5
BKND-55	Soil	65	1.40	190	0.019	<20	2.16	<0.01	0.02	<2	<0.05	<1	<5	8	7
BKND-56	Soil	104	2.60	140	0.015	<20	2.83	<0.01	0.01	<2	<0.05	<1	<5	9	17
JUS-01	Soil	13	1.93	91	0.069	<20	2.56	<0.01	0.01	<2	<0.05	<1	<5	6	<5
JUS-02	Soil	42	1.60	151	0.057	<20	2.48	<0.01	0.03	<2	<0.05	<1	<5	7	6
JUS-03	Soil	30	0.87	180	0.057	<20	2.08	<0.01	0.04	<2	<0.05	<1	<5	<5	<5
JUS-04	Soil	30	0.90	182	0.055	<20	2.00	<0.01	0.04	<2	<0.05	<1	<5	<5	<5
JUS-05	Soil	29	1.01	169	0.057	<20	2.30	<0.01	0.04	<2	<0.05	<1	<5	8	<5
JUS-06	Soil	29	1.84	163	0.037	<20	2.45	<0.01	0.02	<2	<0.05	<1	<5	8	6
JUS-07	Soil	31	0.87	191	0.060	<20	2.21	<0.01	0.04	<2	<0.05	<1	<5	<5	<5
JUS-08	Soil	38	1.64	179	0.062	<20	2.48	<0.01	0.03	<2	<0.05	<1	<5	<5	6
JUS-09	Soil	30	1.15	171	0.068	<20	2.25	<0.01	0.03	<2	<0.05	<1	<5	<5	<5
JUS-10	Soil	35	1.23	206	0.066	<20	2.32	<0.01	0.04	<2	<0.05	<1	<5	5	5
JUS-11	Soil	35	1.43	145	0.070	<20	2.39	<0.01	0.03	<2	<0.05	<1	<5	6	6
JUS-12	Soil	29	1.16	153	0.070	<20	2.33	<0.01	0.04	<2	<0.05	<1	<5	<5	<5
JUS-13	Soil	33	1.06	140	0.083	<20	2.47	<0.01	0.04	<2	<0.05	<1	<5	<5	<5
JUS-14	Soil	25	1.57	87	0.077	<20	2.35	<0.01	0.02	<2	<0.05	<1	<5	7	6
JUS-15	Soil	28	1.40	102	0.046	<20	2.41	<0.01	0.03	<2	<0.05	<1	<5	6	6
JUS-16	Soil	26	1.19	116	0.065	<20	2.52	<0.01	0.03	<2	<0.05	<1	<5	<5	<5
JUS-17	Soil	37	1.57	232	0.078	<20	2.88	<0.01	0.04	<2	<0.05	<1	<5	5	8
JUS-18	Soil	15	1.61	78	0.095	<20	2.27	<0.01	0.03	<2	<0.05	<1	<5	<5	<5



Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

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

Project: None Given
Report Date: July 30, 2018

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CERTIFICATE OF ANALYSIS

WHI18000232.1

Method	Analyte	FA430	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
MDL		0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01	0.001	1
JUS-19	Soil	<0.005	<1	25	<3	59	<0.3	11	13	512	3.27	6	<2	10	<0.5	<3	<3	40	0.23	0.040	4
JUS-20	Soil	<0.005	<1	42	4	56	<0.3	10	15	545	3.66	11	<2	8	<0.5	<3	<3	54	0.19	0.033	3
JUS-21	Soil	0.015	<1	31	3	54	<0.3	11	12	470	3.24	6	<2	8	<0.5	<3	<3	49	0.16	0.022	4
JUS-22	Soil	0.005	<1	33	6	56	<0.3	12	12	464	3.45	8	<2	9	<0.5	<3	<3	52	0.14	0.032	6
JUS-23	Soil	0.007	<1	33	9	56	<0.3	12	12	476	3.58	10	<2	9	<0.5	<3	<3	67	0.11	0.038	9
JUS-24	Soil	0.010	<1	46	30	101	<0.3	14	14	692	3.53	5	<2	9	<0.5	<3	<3	46	0.17	0.058	6
JUS-25	Soil	0.019	<1	28	30	76	<0.3	13	8	546	2.84	11	<2	6	<0.5	<3	<3	33	0.11	0.053	8
JUS-26	Soil	0.015	<1	37	23	52	<0.3	11	7	503	2.69	12	<2	7	<0.5	<3	<3	34	0.10	0.059	20
JUS-27	Soil	0.009	<1	32	19	57	<0.3	14	9	507	2.75	9	<2	8	<0.5	<3	<3	38	0.10	0.037	12
JUS-28	Soil	0.006	<1	33	14	50	<0.3	13	11	525	2.71	6	<2	8	<0.5	<3	<3	42	0.15	0.054	8
JUS-29	Soil	0.005	<1	25	17	48	<0.3	10	6	391	2.33	7	<2	6	<0.5	<3	<3	34	0.09	0.034	8
JUS-30	Soil	0.006	<1	47	11	93	<0.3	18	14	672	3.03	9	<2	7	<0.5	<3	<3	42	0.20	0.069	5
JUS-31	Soil	0.010	<1	61	15	64	0.4	21	14	730	3.14	5	<2	10	<0.5	<3	<3	55	0.21	0.063	9



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CERTIFICATE OF ANALYSIS

WHI18000232.1

Method	Analyte	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
Unit		ppm	%	ppm	%	ppm	%	%	ppm	%	ppm	ppm	ppm	ppm	ppm
MDL		1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
JUS-19	Soil	9	1.63	58	0.080	<20	2.23	<0.01	0.03	<2	<0.05	<1	<5	<5	<5
JUS-20	Soil	8	1.62	56	0.122	<20	2.35	<0.01	0.03	<2	<0.05	<1	<5	<5	<5
JUS-21	Soil	11	1.41	59	0.090	<20	2.23	<0.01	0.02	<2	<0.05	<1	<5	<5	<5
JUS-22	Soil	15	1.18	99	0.076	<20	2.16	<0.01	0.03	<2	<0.05	<1	<5	5	<5
JUS-23	Soil	19	0.97	112	0.073	<20	2.11	<0.01	0.04	<2	<0.05	<1	<5	6	<5
JUS-24	Soil	15	1.42	100	0.045	<20	2.14	<0.01	0.04	<2	<0.05	<1	<5	<5	<5
JUS-25	Soil	21	0.82	75	0.027	<20	1.63	<0.01	0.04	<2	<0.05	<1	<5	<5	<5
JUS-26	Soil	18	0.60	134	0.019	<20	1.61	<0.01	0.03	<2	<0.05	<1	<5	5	<5
JUS-27	Soil	18	0.73	115	0.038	<20	1.78	<0.01	0.03	<2	<0.05	<1	<5	<5	<5
JUS-28	Soil	20	1.04	80	0.032	<20	1.68	<0.01	0.02	<2	<0.05	<1	<5	<5	<5
JUS-29	Soil	16	0.71	84	0.035	<20	1.49	<0.01	0.02	<2	<0.05	<1	<5	<5	<5
JUS-30	Soil	27	1.31	63	0.033	<20	1.83	<0.01	0.02	<2	<0.05	<1	<5	<5	<5
JUS-31	Soil	37	1.38	118	0.023	<20	2.09	<0.01	0.03	<2	<0.05	<1	<5	<5	<5



QUALITY CONTROL REPORT

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Method	FA430	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	
Analyte	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
MDL	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01	0.001	1	
Pulp Duplicates																					
JUM-08	Soil	0.014	2	67	10	105	0.5	30	17	377	3.69	10	3	9	<0.5	<3	<3	54	0.08	0.029	8
REP JUM-08	QC		2	67	10	103	0.5	30	17	372	3.67	11	2	9	<0.5	<3	<3	53	0.07	0.028	8
DID-15	Soil	0.009	<1	54	10	83	<0.3	31	14	573	3.26	10	4	10	<0.5	<3	<3	54	0.10	0.037	14
REP DID-15	QC		<1	53	9	81	<0.3	30	14	559	3.15	9	3	10	<0.5	<3	<3	53	0.10	0.035	14
DID-31	Soil	0.015	<1	117	17	270	<0.3	33	26	1436	4.19	14	<2	7	0.8	<3	<3	59	0.19	0.046	6
REP DID-31	QC	0.017																			
DID-40	Soil	0.008	<1	67	4	128	<0.3	25	27	953	4.31	6	<2	10	<0.5	<3	<3	75	0.18	0.045	2
REP DID-40	QC	0.014																			
DID-51	Soil	0.019	<1	53	6	61	<0.3	12	17	564	3.63	8	<2	7	<0.5	<3	<3	57	0.12	0.022	5
REP DID-51	QC		<1	52	4	61	<0.3	12	16	559	3.60	8	<2	7	<0.5	<3	<3	57	0.12	0.022	5
DID-88	Soil	0.005	<1	49	4	51	<0.3	69	17	496	2.63	3	<2	5	<0.5	<3	<3	57	0.10	0.026	7
REP DID-88	QC		<1	50	5	51	<0.3	70	17	507	2.68	2	<2	5	<0.5	<3	<3	57	0.11	0.027	7
JCS-22	Soil	<0.005	<1	61	4	47	<0.3	72	20	712	3.12	<2	2	10	<0.5	<3	<3	72	0.20	0.038	4
REP JCS-22	QC	0.009																			
BKND-09	Soil	0.012	<1	53	10	67	<0.3	26	21	949	3.76	4	<2	8	<0.5	<3	<3	67	0.17	0.039	6
REP BKND-09	QC	0.019																			
BKND-15	Soil	0.013	<1	78	5	56	<0.3	23	22	946	3.88	6	<2	8	<0.5	<3	<3	89	0.18	0.049	3
REP BKND-15	QC		<1	78	5	56	<0.3	23	23	969	4.00	6	<2	8	<0.5	<3	<3	90	0.18	0.046	3
BKND-52	Soil	0.034	<1	165	17	145	0.6	38	33	1020	4.10	12	<2	6	0.7	<3	<3	56	0.17	0.086	9
REP BKND-52	QC		<1	167	18	145	0.6	38	33	1005	4.05	13	<2	6	0.8	<3	<3	56	0.18	0.092	9
JUS-26	Soil	0.015	<1	37	23	52	<0.3	11	7	503	2.69	12	<2	7	<0.5	<3	<3	34	0.10	0.059	20
REP JUS-26	QC		<1	36	22	51	<0.3	11	7	495	2.64	12	<2	7	<0.5	<3	<3	33	0.10	0.059	20
JUS-31	Soil	0.010	<1	61	15	64	0.4	21	14	730	3.14	5	<2	10	<0.5	<3	<3	55	0.21	0.063	9
REP JUS-31	QC	0.008																			
Reference Materials																					
STD DS11	Standard		14	149	136	326	1.9	76	13	1033	3.24	43	7	69	2.1	8	12	49	1.07	0.072	17
STD DS11	Standard		14	147	136	333	1.7	78	13	1061	3.24	43	6	70	2.0	9	13	49	1.07	0.072	17
STD DS11	Standard		14	143	135	344	1.6	75	13	995	3.03	45	7	64	2.2	8	10	49	1.03	0.073	17



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Method	Analyte	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
MDL		1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
Pulp Duplicates															
JUM-08	Soil	34	0.92	169	0.032	<20	2.36	<0.01	0.04	<2	<0.05	<1	<5	<5	<5
REP JUM-08	QC	33	0.89	167	0.030	<20	2.30	<0.01	0.04	<2	<0.05	<1	<5	<5	<5
DID-15	Soil	60	0.98	161	0.054	<20	2.07	<0.01	0.03	<2	<0.05	<1	<5	<5	6
REP DID-15	QC	59	0.96	156	0.053	<20	2.04	<0.01	0.03	<2	<0.05	<1	<5	<5	6
DID-31	Soil	54	1.70	113	0.012	<20	2.37	<0.01	0.02	<2	<0.05	<1	<5	<5	7
REP DID-31	QC														
DID-40	Soil	35	2.28	60	0.058	<20	2.80	<0.01	0.02	<2	<0.05	<1	<5	6	<5
REP DID-40	QC														
DID-51	Soil	15	1.47	79	0.089	<20	2.29	<0.01	0.03	<2	<0.05	<1	<5	<5	<5
REP DID-51	QC	14	1.46	79	0.089	<20	2.27	<0.01	0.03	<2	<0.05	<1	<5	<5	<5
DID-88	Soil	204	2.11	82	0.053	<20	2.06	<0.01	0.02	<2	<0.05	<1	<5	5	<5
REP DID-88	QC	207	2.15	84	0.054	<20	2.10	<0.01	0.02	<2	<0.05	<1	<5	5	<5
JCS-22	Soil	187	2.41	105	0.049	<20	2.18	<0.01	0.03	<2	<0.05	<1	<5	6	6
REP JCS-22	QC														
BKND-09	Soil	36	1.89	143	0.028	<20	2.34	<0.01	0.02	<2	<0.05	<1	<5	<5	6
REP BKND-09	QC														
BKND-15	Soil	33	2.16	93	0.045	<20	2.56	<0.01	0.02	<2	<0.05	<1	<5	8	6
REP BKND-15	QC	33	2.22	92	0.047	<20	2.64	<0.01	0.02	<2	<0.05	<1	<5	5	6
BKND-52	Soil	63	1.51	96	0.008	<20	2.11	<0.01	0.01	<2	<0.05	<1	<5	7	13
REP BKND-52	QC	61	1.48	96	0.008	<20	2.08	<0.01	0.01	<2	<0.05	<1	<5	7	13
JUS-26	Soil	18	0.60	134	0.019	<20	1.61	<0.01	0.03	<2	<0.05	<1	<5	5	<5
REP JUS-26	QC	16	0.58	131	0.018	<20	1.58	<0.01	0.03	<2	<0.05	<1	<5	<5	<5
JUS-31	Soil	37	1.38	118	0.023	<20	2.09	<0.01	0.03	<2	<0.05	<1	<5	<5	<5
REP JUS-31	QC														
Reference Materials															
STD DS11	Standard	57	0.86	399	0.091	<20	1.16	0.07	0.41	2	0.29	<1	<5	<5	<5
STD DS11	Standard	56	0.86	395	0.093	<20	1.17	0.07	0.40	<2	0.28	<1	<5	<5	<5
STD DS11	Standard	56	0.84	359	0.082	<20	1.09	0.07	0.39	3	0.29	<1	6	<5	<5



QUALITY CONTROL REPORT

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		FA430	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	
		Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
		0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01	0.001	1	
STD DS11	Standard		14	147	139	350	1.5	77	13	1024	3.06	44	8	66	2.3	9	11	51	1.04	0.074	17	
STD DS11	Standard		15	152	130	352	1.6	77	13	1037	3.11	44	6	66	2.3	8	11	50	1.06	0.074	17	
STD DS11	Standard		15	155	150	357	1.6	81	13	1081	3.25	43	7	71	2.3	8	13	51	1.11	0.073	19	
STD DS11	Standard		12	148	132	339	1.5	76	12	1018	3.01	43	7	65	2.2	8	11	47	1.03	0.069	16	
STD OREAS45EA	Standard		2	711	12	32	0.5	417	53	429	25.57	13	9	4	<0.5	<3	<3	319	0.03	0.032	8	
STD OREAS45EA	Standard		2	730	10	33	0.4	436	55	436	26.33	14	8	4	<0.5	<3	<3	330	0.04	0.032	8	
STD OREAS45EA	Standard		1	683	23	33	0.5	377	51	407	21.71	5	6	4	<0.5	<3	<3	300	0.04	0.032	8	
STD OREAS45EA	Standard		1	701	21	33	0.3	378	50	413	21.95	5	8	4	<0.5	<3	<3	299	0.04	0.032	8	
STD OREAS45EA	Standard		1	667	22	32	0.4	364	50	398	20.82	4	6	4	<0.5	<3	<3	295	0.04	0.032	8	
STD OREAS45EA	Standard		1	740	18	37	<0.3	416	54	431	23.96	6	5	4	<0.5	<3	<3	324	0.04	0.032	9	
STD OREAS45EA	Standard		2	688	16	34	<0.3	376	50	400	20.59	4	6	4	1.1	<3	<3	299	0.04	0.029	8	
STD OXC145	Standard	0.212																				
STD OXC145	Standard	0.211																				
STD OXC145	Standard	0.221																				
STD OXC145	Standard	0.211																				
STD OXC145	Standard	0.220																				
STD OXH139	Standard	1.316																				
STD OXH139	Standard	1.336																				
STD OXH139	Standard	1.350																				
STD OXH139	Standard	1.304																				
STD OXH139	Standard	1.384																				
STD OXN134	Standard	7.871																				
STD OXN134	Standard	7.905																				
STD OXN134	Standard	7.911																				
STD OXN134	Standard	7.908																				
STD OXN134	Standard	7.894																				
STD OREAS45EA Expected			1.6	709	14.3	31.4	0.26	381	52	400	22.65	11	10.7	4.05				303	0.036	0.029	7.06	
STD DS11 Expected			13.9	156	138	345	1.71	81.9	14.2	1055	3.2082	42.8	7.65	67.3	2.37	7.2	12.2	50	1.063	0.0701	18.6	
STD OXN134 Expected		7.667																				



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QUALITY CONTROL REPORT

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		AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
		ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
		1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
STD DS11	Standard	57	0.85	357	0.085	<20	1.11	0.07	0.40	3	0.29	<1	6	<5	<5
STD DS11	Standard	56	0.86	379	0.087	<20	1.11	0.07	0.41	3	0.29	<1	6	<5	<5
STD DS11	Standard	59	0.89	402	0.097	<20	1.24	0.08	0.42	2	0.29	<1	6	<5	<5
STD DS11	Standard	55	0.82	423	0.087	<20	1.11	0.07	0.39	3	0.28	<1	<5	<5	<5
STD OREAS45EA	Standard	935	0.10	153	0.102	<20	3.61	0.02	0.06	<2	<0.05	<1	10	7	92
STD OREAS45EA	Standard	942	0.10	154	0.105	<20	3.65	0.02	0.06	<2	<0.05	<1	10	<5	92
STD OREAS45EA	Standard	853	0.10	154	0.087	<20	3.29	0.02	0.06	<2	<0.05	<1	<5	18	82
STD OREAS45EA	Standard	850	0.10	151	0.092	<20	3.34	0.02	0.06	<2	<0.05	<1	<5	13	82
STD OREAS45EA	Standard	838	0.09	150	0.088	<20	3.12	0.02	0.06	<2	<0.05	<1	<5	21	81
STD OREAS45EA	Standard	926	0.10	156	0.109	<20	3.63	0.02	0.06	<2	<0.05	<1	<5	17	89
STD OREAS45EA	Standard	854	0.09	148	0.098	<20	3.20	0.02	0.05	<2	<0.05	<1	<5	27	81
STD OXC145	Standard														
STD OXC145	Standard														
STD OXC145	Standard														
STD OXC145	Standard														
STD OXC145	Standard														
STD OXH139	Standard														
STD OXH139	Standard														
STD OXH139	Standard														
STD OXH139	Standard														
STD OXH139	Standard														
STD OXN134	Standard														
STD OXN134	Standard														
STD OXN134	Standard														
STD OXN134	Standard														
STD OXN134	Standard														
STD OREAS45EA Expected		849	0.095	148	0.0984		3.32	0.02	0.053		0.036			12.4	78
STD DS11 Expected		61.5	0.85	417	0.0976	6	1.129	0.0694	0.4	2.9	0.2835	0.3	4.9	4.7	3.1
STD OXN134 Expected															



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

Project: None Given
Report Date: July 30, 2018

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Part: 1 of 2

QUALITY CONTROL REPORT

WHI18000232.1

		FA430	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01	0.001	1
STD OXC145 Expected		0.212																			
STD OXH139 Expected		1.312																			
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
BLK	Blank		<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<1	<0.5	<3	<3	<1	<0.01	<0.001	<1
BLK	Blank		<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<1	<0.5	<3	<3	<1	<0.01	<0.001	<1
BLK	Blank		<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<1	<0.5	<3	<3	<1	<0.01	<0.001	<1
BLK	Blank		<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<1	<0.5	<3	<3	<1	<0.01	<0.001	<1
BLK	Blank		<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<1	<0.5	<3	<3	<1	<0.01	<0.001	<1
BLK	Blank	0.006																			
BLK	Blank	<0.005																			



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

Project: None Given
Report Date: July 30, 2018

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QUALITY CONTROL REPORT

WHI18000232.1

		AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
		ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
		1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
STD OXC145 Expected															
STD OXH139 Expected															
BLK	Blank														
BLK	Blank														
BLK	Blank														
BLK	Blank														
BLK	Blank														
BLK	Blank														
BLK	Blank														
BLK	Blank														
BLK	Blank	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5
BLK	Blank	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5
BLK	Blank	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5
BLK	Blank	2	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5
BLK	Blank	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5
BLK	Blank	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5
BLK	Blank	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5
BLK	Blank														
BLK	Blank														



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

Submitted By: Bernie Kreft
Receiving Lab: Canada-Whitehorse
Received: August 20, 2018
Report Date: September 11, 2018
Page: 1 of 5

CERTIFICATE OF ANALYSIS

WHI18000678.1

CLIENT JOB INFORMATION

Project: None Given
Shipment ID:
P.O. Number
Number of Samples: 103

SAMPLE DISPOSAL

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

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

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

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
DY060	103	Dry at 60C			WHI
SS80	103	Dry at 60C sieve 100g to -80 mesh			WHI
SVRJT	103	Save all or part of Soil Reject			WHI
FA430	103	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
EN002	103	Environmental disposal charge-Fire assay lead waste			VAN
AQ300	103	1:1:1 Aqua Regia digestion ICP-ES analysis	0.5	Completed	VAN
SHP01	103	Per sample shipping charges for branch shipments			VAN

ADDITIONAL COMMENTS



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



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Project: None Given
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Part: 1 of 2

CERTIFICATE OF ANALYSIS

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Method	Analyte	FA430	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm
MDL		0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01	0.001	1
BUND-01	Soil	0.102	<1	69	7	54	<0.3	48	19	722	3.23	4	<2	13	<0.5	<3	<3	64	0.28	0.044	7
BUND-02	Soil	0.018	<1	72	5	70	<0.3	14	23	787	3.77	6	<2	9	<0.5	<3	<3	58	0.26	0.056	5
BUND-03	Soil	<0.005	<1	65	8	82	<0.3	18	22	950	3.90	7	<2	6	<0.5	<3	<3	75	0.17	0.079	7
BUND-04	Soil	0.007	<1	66	3	55	<0.3	6	22	728	4.23	2	<2	10	<0.5	<3	<3	94	0.29	0.086	3
BUND-05	Soil	0.009	<1	75	<3	48	<0.3	7	22	572	3.37	3	<2	12	<0.5	<3	<3	66	0.41	0.083	<1
BUND-06	Soil	<0.005	<1	62	<3	54	<0.3	7	16	572	3.42	<2	<2	9	<0.5	<3	<3	57	0.28	0.057	2
BUND-07	Soil	0.006	<1	81	6	65	<0.3	18	24	930	4.46	6	<2	14	<0.5	<3	<3	89	0.40	0.054	6
BUND-08	Soil	<0.005	<1	48	10	65	<0.3	15	20	919	4.51	14	<2	7	<0.5	<3	<3	91	0.14	0.049	7
BUND-09	Soil	0.010	<1	98	7	72	<0.3	15	24	1846	5.27	3	<2	7	<0.5	<3	<3	127	0.20	0.041	6
BUND-10	Soil	0.052	<1	41	13	78	<0.3	17	17	909	3.49	8	3	3	<0.5	<3	<3	59	0.11	0.067	9
BUND-11	Soil	<0.005	<1	51	4	59	<0.3	76	22	824	3.65	3	<2	7	<0.5	<3	<3	69	0.25	0.066	2
BUND-12	Soil	0.006	<1	61	4	48	<0.3	67	21	606	3.28	3	<2	7	<0.5	<3	<3	60	0.20	0.040	2
BUND-13	Soil	0.008	<1	71	4	45	<0.3	97	26	778	3.81	<2	<2	9	<0.5	<3	<3	96	0.27	0.037	3
BUND-14	Soil	0.006	<1	93	4	48	<0.3	76	27	751	3.84	3	<2	7	<0.5	<3	<3	79	0.16	0.031	3
BUND-15	Soil	<0.005	<1	114	7	42	<0.3	150	28	1195	3.89	2	<2	9	<0.5	<3	<3	101	0.38	0.054	4
BUND-16	Soil	0.006	<1	62	4	29	<0.3	109	20	719	2.55	<2	<2	5	<0.5	<3	<3	46	0.25	0.045	2
BUND-17	Soil	0.012	<1	84	3	41	<0.3	85	25	801	3.06	<2	<2	9	<0.5	<3	<3	57	0.31	0.052	2
BUND-18	Soil	0.060	1	84	12	72	<0.3	45	28	1489	5.22	<2	<2	12	<0.5	<3	<3	84	0.39	0.073	9
BUND-19	Soil	0.007	<1	50	8	70	0.7	36	29	1038	5.08	3	<2	17	<0.5	<3	<3	118	0.42	0.044	4
BUND-20	Soil	0.006	<1	55	5	41	<0.3	25	17	487	2.47	4	<2	12	<0.5	<3	<3	44	0.24	0.045	4
BUND-21	Soil	0.010	<1	131	3	59	<0.3	21	27	746	3.90	5	<2	14	<0.5	<3	<3	76	0.31	0.048	3
BUND-22	Soil	0.006	<1	118	3	54	<0.3	23	30	652	3.71	4	<2	13	<0.5	<3	<3	81	0.28	0.054	3
BUND-23	Soil	0.007	<1	116	<3	54	0.5	8	20	510	2.99	<2	<2	9	<0.5	<3	<3	103	0.40	0.062	<1
BUND-24	Soil	0.006	<1	71	<3	55	<0.3	12	19	632	2.78	<2	<2	9	<0.5	<3	<3	74	0.28	0.074	2
BUND-25	Soil	0.007	<1	129	3	58	0.4	27	27	776	3.61	<2	<2	13	<0.5	<3	<3	91	0.30	0.052	1
BUND-26	Soil	0.007	<1	100	4	55	0.4	28	25	735	3.61	4	<2	14	<0.5	<3	<3	90	0.30	0.043	2
BUND-27	Soil	0.011	<1	70	3	63	0.7	22	19	676	3.76	6	<2	13	<0.5	<3	<3	102	0.30	0.060	5
IOSD-01	Soil	0.010	<1	99	24	262	<0.3	21	11	621	2.63	8	2	6	0.5	<3	<3	34	0.15	0.035	6
IOSD-02	Soil	0.015	<1	258	47	613	1.7	36	21	1864	3.23	15	<2	8	6.9	<3	<3	55	0.21	0.060	12
IOSD-03	Soil	0.008	<1	130	55	314	0.5	55	19	3042	3.27	8	2	7	5.7	<3	<3	61	0.15	0.029	9



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: September 11, 2018

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Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI18000678.1

Method	Analyte	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
MDL		1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
BUND-01	Soil	133	1.57	202	0.053	<20	1.84	<0.01	0.04	<2	<0.05	<1	<5	<5	9
BUND-02	Soil	11	1.34	282	0.059	<20	1.77	<0.01	0.14	<2	<0.05	<1	<5	<5	<5
BUND-03	Soil	19	1.38	140	0.053	<20	1.89	<0.01	0.18	<2	<0.05	<1	<5	<5	<5
BUND-04	Soil	5	1.38	346	0.085	<20	1.86	<0.01	0.30	<2	<0.05	<1	<5	<5	5
BUND-05	Soil	8	1.05	249	0.098	<20	1.29	<0.01	0.24	<2	<0.05	<1	<5	<5	6
BUND-06	Soil	5	1.28	91	0.039	<20	1.74	<0.01	0.06	<2	<0.05	<1	<5	<5	<5
BUND-07	Soil	13	1.63	130	0.031	<20	2.26	<0.01	0.04	<2	<0.05	<1	<5	<5	7
BUND-08	Soil	18	1.39	126	0.043	<20	2.23	<0.01	0.09	<2	<0.05	<1	<5	<5	7
BUND-09	Soil	16	2.05	309	0.069	<20	2.70	<0.01	0.19	<2	<0.05	<1	<5	<5	11
BUND-10	Soil	19	1.08	86	0.020	<20	1.69	<0.01	0.12	<2	<0.05	<1	<5	5	6
BUND-11	Soil	192	2.61	136	0.044	<20	2.36	<0.01	0.10	<2	<0.05	<1	<5	7	<5
BUND-12	Soil	153	2.32	139	0.056	<20	2.16	<0.01	0.07	<2	<0.05	<1	<5	<5	<5
BUND-13	Soil	237	3.05	117	0.083	<20	2.54	<0.01	0.07	<2	<0.05	<1	<5	<5	12
BUND-14	Soil	190	2.62	86	0.066	<20	2.52	<0.01	0.03	<2	<0.05	<1	<5	<5	7
BUND-15	Soil	375	3.70	82	0.079	<20	2.77	<0.01	0.05	<2	<0.05	<1	<5	<5	12
BUND-16	Soil	270	2.49	63	0.049	<20	1.95	<0.01	0.02	<2	<0.05	<1	<5	<5	<5
BUND-17	Soil	187	2.36	77	0.069	<20	2.04	<0.01	0.03	<2	<0.05	<1	<5	<5	<5
BUND-18	Soil	64	2.23	198	0.030	<20	2.77	<0.01	0.10	<2	<0.05	<1	<5	6	10
BUND-19	Soil	73	3.23	251	0.122	<20	2.96	<0.01	0.03	<2	<0.05	<1	<5	<5	17
BUND-20	Soil	52	1.37	121	0.048	<20	1.62	<0.01	0.03	<2	<0.05	<1	<5	<5	<5
BUND-21	Soil	26	1.85	201	0.089	<20	2.13	<0.01	0.11	<2	<0.05	<1	<5	<5	<5
BUND-22	Soil	41	1.86	135	0.088	<20	2.04	<0.01	0.17	<2	<0.05	<1	<5	<5	<5
BUND-23	Soil	4	1.37	407	0.132	<20	1.57	<0.01	0.58	<2	<0.05	<1	<5	<5	<5
BUND-24	Soil	12	1.19	194	0.089	<20	1.53	<0.01	0.31	<2	<0.05	<1	<5	<5	<5
BUND-25	Soil	36	1.93	178	0.104	<20	2.04	<0.01	0.21	<2	<0.05	<1	<5	<5	<5
BUND-26	Soil	62	1.94	191	0.102	<20	2.13	<0.01	0.13	<2	<0.05	<1	<5	<5	6
BUND-27	Soil	43	1.85	307	0.126	<20	2.08	<0.01	0.35	<2	<0.05	<1	<5	<5	7
IOSD-01	Soil	51	0.99	96	0.020	<20	1.52	<0.01	0.02	<2	<0.05	<1	<5	<5	<5
IOSD-02	Soil	83	1.37	150	0.020	<20	1.93	<0.01	0.02	<2	<0.05	<1	<5	<5	12
IOSD-03	Soil	138	1.59	153	0.034	<20	2.18	<0.01	0.02	<2	<0.05	<1	<5	<5	9



Bureau Veritas Commodities Canada Ltd.

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Project: None Given
Report Date: September 11, 2018

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CERTIFICATE OF ANALYSIS

WHI18000678.1

Method	Analyte	Unit	MDL	FA430	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	
				Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
				0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01	0.001	
IOSD-04	Soil			0.006	<1	91	23	362	0.7	34	15	658	2.94	11	<2	10	1.1	<3	<3	50	0.18	0.038	8
IOSD-05	Soil			0.005	<1	80	16	123	<0.3	32	20	1152	3.55	6	<2	6	<0.5	<3	<3	64	0.11	0.038	8
IOSD-06	Soil			<0.005	<1	142	8	99	0.3	62	21	1013	3.49	<2	<2	6	<0.5	<3	<3	107	0.19	0.058	7
IOSD-07	Soil			0.007	<1	67	13	159	0.3	32	17	1467	3.28	5	<2	11	<0.5	<3	<3	58	0.23	0.063	8
IOSD-08	Soil			0.014	<1	119	13	113	<0.3	44	28	1754	3.74	4	<2	5	0.6	<3	<3	93	0.17	0.073	4
IOSD-09	Soil			0.032	2	139	15	157	<0.3	17	25	992	5.33	6	<2	4	1.1	<3	<3	41	0.06	0.043	8
IOSD-10	Soil			0.066	4	229	53	516	0.7	13	17	785	5.47	6	<2	4	0.9	<3	<3	39	0.03	0.052	7
IOSD-11	Soil			0.079	5	342	41	1042	0.6	16	33	2272	6.45	7	<2	4	6.7	<3	<3	36	0.04	0.061	9
IOSD-12	Soil			0.059	3	271	23	500	0.5	17	37	1700	5.75	8	<2	2	3.2	<3	<3	27	0.04	0.057	5
IOSD-13	Soil			0.029	1	148	17	231	<0.3	13	31	1496	4.01	5	<2	5	<0.5	<3	<3	37	0.14	0.038	5
IOSD-14	Soil			0.034	4	91	18	137	0.5	20	25	796	4.78	8	<2	8	<0.5	<3	<3	42	0.06	0.044	7
IOSD-15	Soil			0.062	1	117	18	162	<0.3	19	26	1044	3.87	5	<2	4	<0.5	<3	<3	49	0.08	0.028	6
IOSD-16	Soil			0.023	2	100	18	97	<0.3	55	35	2095	4.22	4	<2	6	<0.5	<3	<3	48	0.28	0.052	7
IOSD-17	Soil			0.030	1	70	10	93	<0.3	15	23	1161	3.86	4	<2	4	<0.5	<3	<3	47	0.07	0.039	5
KID-31	Soil			0.010	<1	109	4	70	<0.3	13	28	750	4.32	4	<2	7	<0.5	<3	<3	80	0.19	0.034	3
KID-32	Soil			0.009	<1	91	4	70	<0.3	18	27	865	4.35	3	<2	10	<0.5	<3	<3	80	0.26	0.039	2
KID-33	Soil			<0.005	<1	54	4	56	<0.3	22	17	724	3.47	4	<2	6	<0.5	<3	<3	63	0.12	0.035	2
KID-34	Soil			0.008	<1	45	5	70	<0.3	21	17	531	3.99	9	<2	8	<0.5	<3	<3	54	0.13	0.037	5
KID-35	Soil			0.007	<1	89	5	59	<0.3	17	21	715	4.29	6	<2	6	<0.5	<3	<3	47	0.11	0.026	4
KID-36	Soil			0.008	<1	74	4	65	<0.3	10	23	1069	4.91	6	<2	6	<0.5	<3	<3	80	0.26	0.061	5
KID-37	Soil			<0.005	<1	45	<3	51	<0.3	5	12	431	2.80	<2	<2	9	<0.5	<3	<3	36	0.23	0.059	1
KID-38	Soil			0.007	<1	65	5	53	<0.3	19	14	566	3.66	4	<2	7	<0.5	<3	<3	62	0.14	0.022	4
KID-39	Soil			0.007	<1	83	5	56	<0.3	14	16	885	4.12	4	<2	7	<0.5	<3	<3	73	0.23	0.037	6
KID-40	Soil			0.006	<1	90	3	61	<0.3	15	26	659	4.03	3	<2	11	<0.5	<3	<3	69	0.24	0.034	3
KID-41	Soil			0.007	<1	42	6	50	<0.3	16	12	400	3.07	5	<2	8	<0.5	<3	<3	58	0.13	0.031	6
KID-42	Soil			0.008	<1	82	<3	66	<0.3	17	25	890	4.75	4	<2	9	<0.5	<3	<3	88	0.29	0.047	3
KID-43	Soil			<0.005	<1	61	3	66	<0.3	14	25	705	4.54	<2	<2	10	<0.5	<3	<3	69	0.27	0.031	3
KID-44	Soil			0.010	<1	84	5	63	<0.3	16	23	680	3.96	6	<2	9	<0.5	<3	<3	61	0.18	0.044	7
KID-45	Soil			0.012	<1	56	7	66	<0.3	32	21	833	4.39	6	<2	8	<0.5	<3	<3	100	0.24	0.069	5
KID-46	Soil			0.009	<1	72	5	55	<0.3	82	26	842	4.10	<2	<2	6	<0.5	<3	<3	81	0.22	0.043	3



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Method	Analyte	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
MDL		1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
IOSD-04	Soil	78	1.14	148	0.035	<20	1.77	<0.01	0.03	<2	<0.05	<1	<5	<5	<5
IOSD-05	Soil	62	1.43	138	0.027	<20	2.21	<0.01	0.02	<2	<0.05	<1	<5	5	9
IOSD-06	Soil	190	2.88	43	0.009	<20	2.64	<0.01	<0.01	<2	<0.05	<1	<5	6	19
IOSD-07	Soil	58	1.42	169	0.023	<20	2.05	<0.01	0.02	<2	<0.05	<1	<5	<5	7
IOSD-08	Soil	106	2.21	96	0.011	<20	2.31	<0.01	0.01	<2	<0.05	<1	<5	<5	15
IOSD-09	Soil	18	1.00	92	0.010	<20	1.54	<0.01	0.02	<2	<0.05	<1	<5	<5	6
IOSD-10	Soil	14	1.05	74	0.007	<20	1.57	<0.01	0.02	<2	<0.05	<1	<5	<5	6
IOSD-11	Soil	7	1.10	88	0.003	<20	1.52	<0.01	0.02	<2	<0.05	2	<5	<5	8
IOSD-12	Soil	10	1.08	68	0.004	<20	1.62	<0.01	0.01	<2	<0.05	<1	<5	<5	<5
IOSD-13	Soil	11	1.24	79	0.001	<20	1.84	<0.01	0.01	<2	0.06	<1	<5	<5	6
IOSD-14	Soil	22	0.87	118	0.020	<20	1.82	<0.01	0.03	<2	<0.05	<1	<5	<5	<5
IOSD-15	Soil	21	1.29	53	0.003	<20	1.92	<0.01	0.01	<2	<0.05	<1	<5	<5	8
IOSD-16	Soil	90	1.17	97	0.002	<20	1.72	<0.01	0.01	<2	<0.05	<1	<5	<5	9
IOSD-17	Soil	25	1.27	40	0.002	<20	1.85	<0.01	<0.01	<2	<0.05	<1	<5	<5	6
KID-31	Soil	10	1.71	102	0.044	<20	2.24	<0.01	0.03	<2	<0.05	<1	<5	<5	<5
KID-32	Soil	24	1.88	138	0.057	<20	2.25	<0.01	0.04	<2	<0.05	<1	<5	<5	5
KID-33	Soil	57	1.38	64	0.048	<20	1.83	<0.01	0.06	<2	<0.05	<1	<5	<5	<5
KID-34	Soil	25	1.14	86	0.050	<20	2.20	<0.01	0.03	<2	<0.05	<1	<5	<5	<5
KID-35	Soil	14	1.32	97	0.053	<20	2.59	<0.01	0.05	<2	<0.05	<1	<5	<5	<5
KID-36	Soil	8	1.84	110	0.024	<20	2.62	<0.01	0.05	<2	<0.05	<1	<5	<5	6
KID-37	Soil	4	1.28	19	0.053	<20	1.72	<0.01	0.01	<2	<0.05	<1	<5	<5	<5
KID-38	Soil	29	1.58	95	0.045	<20	2.48	<0.01	0.03	<2	<0.05	<1	<5	<5	<5
KID-39	Soil	21	1.47	138	0.015	<20	2.35	<0.01	0.04	<2	<0.05	<1	<5	<5	9
KID-40	Soil	9	1.69	111	0.068	<20	2.11	<0.01	0.04	<2	<0.05	<1	<5	<5	<5
KID-41	Soil	26	1.12	117	0.045	<20	2.02	<0.01	0.03	<2	<0.05	<1	<5	<5	<5
KID-42	Soil	12	1.92	150	0.035	<20	2.47	<0.01	0.03	<2	<0.05	<1	<5	<5	7
KID-43	Soil	9	1.99	122	0.058	<20	2.56	<0.01	0.06	<2	<0.05	<1	<5	<5	<5
KID-44	Soil	17	1.32	146	0.042	<20	2.13	<0.01	0.04	<2	<0.05	<1	<5	<5	<5
KID-45	Soil	74	1.91	149	0.049	<20	2.42	<0.01	0.13	<2	<0.05	<1	<5	5	8
KID-46	Soil	202	2.93	114	0.051	<20	2.59	<0.01	0.08	<2	<0.05	<1	<5	<5	7



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Method	Analyte	FA430	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit	MDL	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm
KID-47	Soil	0.005	<1	58	4	43	<0.3	86	19	669	3.04	<2	<2	6	<0.5	<3	<3	52	0.21	0.041	4
KID-48	Soil	0.015	<1	51	6	41	<0.3	57	14	429	2.58	4	<2	10	<0.5	<3	<3	49	0.18	0.036	8
KID-49	Soil	0.007	<1	85	4	51	<0.3	32	22	534	3.14	5	<2	13	<0.5	<3	<3	59	0.22	0.045	5
KID-50	Soil	0.013	<1	92	4	56	<0.3	30	27	634	3.47	4	<2	14	<0.5	<3	<3	61	0.22	0.038	3
KID-51	Soil	0.016	<1	66	5	57	<0.3	25	25	771	3.90	4	<2	10	<0.5	<3	<3	71	0.20	0.054	3
KID-52	Soil	0.008	<1	51	5	50	<0.3	20	17	574	3.12	3	<2	11	<0.5	<3	<3	54	0.19	0.044	4
KID-53	Soil	0.013	<1	66	6	64	<0.3	29	18	699	4.16	6	3	10	<0.5	<3	<3	79	0.14	0.035	9
KID-54	Soil	0.007	<1	100	3	54	<0.3	22	30	637	3.50	4	<2	17	<0.5	<3	<3	67	0.27	0.033	5
KID-55	Soil	0.016	<1	108	<3	57	<0.3	23	28	550	3.59	4	<2	14	<0.5	<3	<3	98	0.39	0.050	4
KID-56	Soil	<0.005	<1	111	4	61	0.7	19	35	774	3.90	4	<2	9	<0.5	<3	<3	115	0.22	0.050	2
KID-57	Soil	0.015	<1	84	5	63	0.6	26	27	621	3.69	5	<2	11	<0.5	<3	<3	101	0.21	0.037	4
KID-58	Soil	0.031	<1	102	4	65	0.5	22	31	658	4.07	5	<2	8	<0.5	<3	<3	117	0.16	0.034	3
KID-59	Soil	0.016	<1	89	4	49	0.6	35	24	1379	4.26	2	<2	8	<0.5	<3	<3	126	0.27	0.040	5
KID-60	Soil	0.007	<1	63	5	48	0.5	21	15	513	3.12	6	2	10	<0.5	<3	<3	78	0.17	0.025	9
KID-61	Soil	0.007	<1	82	3	59	0.6	23	22	695	3.93	3	<2	15	<0.5	<3	<3	112	0.37	0.043	4
KID-62	Soil	0.007	<1	86	4	64	0.7	20	23	801	4.00	5	<2	11	<0.5	<3	<3	118	0.25	0.048	5
KID-63	Soil	<0.005	<1	66	5	60	0.6	21	20	636	3.70	8	<2	12	<0.5	<3	<3	98	0.21	0.041	8
KID-64	Soil	0.038	<1	51	3	63	0.5	14	19	1042	3.95	9	<2	5	<0.5	<3	<3	90	0.13	0.058	5
KID-65	Soil	0.005	<1	59	<3	67	0.6	14	20	1008	4.06	2	<2	10	<0.5	<3	<3	107	0.24	0.061	5
KID-66	Soil	0.048	<1	57	8	54	0.4	17	14	630	3.36	20	3	11	<0.5	<3	<3	76	0.18	0.046	10
KID-67	Soil	0.012	<1	115	<3	70	0.7	22	29	829	4.61	5	<2	9	<0.5	<3	<3	132	0.21	0.043	5
KID-68	Soil	0.029	<1	91	5	68	0.7	23	24	867	4.29	25	<2	9	<0.5	<3	<3	117	0.23	0.054	5
KID-69	Soil	0.006	<1	126	<3	80	0.7	23	30	850	4.72	4	<2	13	<0.5	<3	<3	142	0.33	0.067	3
KID-70	Soil	<0.005	<1	60	<3	40	<0.3	27	22	505	2.65	4	<2	10	<0.5	<3	<3	47	0.20	0.042	3
KID-71	Soil	0.012	<1	97	21	262	0.6	54	16	734	2.99	7	<2	9	1.3	<3	<3	63	0.24	0.039	8
KID-72	Soil	<0.005	<1	80	17	175	0.4	49	20	1052	3.32	10	<2	7	1.4	<3	<3	62	0.19	0.039	8
KID-73	Soil	0.006	<1	58	11	139	<0.3	41	12	570	2.62	7	3	8	<0.5	<3	<3	49	0.17	0.038	11
KID-74	Soil	0.005	<1	45	13	125	<0.3	28	12	670	2.64	8	<2	17	0.9	<3	<3	42	0.39	0.061	15
KID-75	Soil	0.043	1	102	20	252	1.0	24	24	1464	4.13	8	2	7	1.9	<3	<3	56	0.27	0.066	12
KID-76	Soil	0.022	1	102	21	178	0.7	22	28	1665	4.75	9	<2	7	1.4	<3	<3	65	0.27	0.073	10



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Method	Analyte	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
MDL		1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
KID-47	Soil	216	2.30	103	0.040	<20	2.04	<0.01	0.03	<2	<0.05	<1	<5	<5	<5
KID-48	Soil	126	1.52	133	0.045	<20	1.74	<0.01	0.03	<2	<0.05	<1	<5	<5	<5
KID-49	Soil	63	1.44	172	0.061	<20	1.75	<0.01	0.10	<2	<0.05	<1	<5	<5	<5
KID-50	Soil	55	1.74	145	0.068	<20	1.97	<0.01	0.10	<2	<0.05	<1	<5	<5	<5
KID-51	Soil	38	1.72	93	0.095	<20	2.13	<0.01	0.09	<2	<0.05	<1	<5	<5	<5
KID-52	Soil	26	1.39	117	0.077	<20	1.78	<0.01	0.07	<2	<0.05	<1	<5	<5	<5
KID-53	Soil	39	1.23	168	0.022	<20	2.39	<0.01	0.06	<2	<0.05	<1	<5	<5	8
KID-54	Soil	36	1.71	119	0.098	<20	1.98	<0.01	0.04	<2	<0.05	<1	<5	<5	<5
KID-55	Soil	31	1.48	367	0.107	<20	1.88	<0.01	0.26	<2	<0.05	<1	<5	<5	6
KID-56	Soil	21	1.63	221	0.138	<20	2.05	<0.01	0.45	<2	<0.05	<1	<5	<5	<5
KID-57	Soil	40	1.51	282	0.113	<20	2.10	<0.01	0.25	<2	<0.05	<1	<5	<5	<5
KID-58	Soil	28	1.65	166	0.138	<20	2.31	<0.01	0.17	<2	<0.05	<1	<5	<5	<5
KID-59	Soil	102	3.03	255	0.065	<20	2.75	<0.01	0.13	<2	<0.05	<1	<5	<5	25
KID-60	Soil	38	1.16	175	0.080	<20	1.90	<0.01	0.05	<2	<0.05	<1	<5	<5	6
KID-61	Soil	36	1.98	296	0.123	<20	2.33	<0.01	0.27	<2	<0.05	<1	<5	<5	6
KID-62	Soil	30	1.70	253	0.125	<20	2.36	<0.01	0.28	<2	<0.05	<1	<5	<5	7
KID-63	Soil	29	1.32	207	0.099	<20	2.17	<0.01	0.14	<2	<0.05	<1	<5	<5	7
KID-64	Soil	20	1.43	127	0.070	<20	1.95	<0.01	0.22	<2	<0.05	<1	<5	<5	6
KID-65	Soil	25	1.72	328	0.101	<20	2.21	<0.01	0.37	<2	<0.05	<1	<5	<5	6
KID-66	Soil	25	1.04	229	0.063	<20	1.79	<0.01	0.11	<2	<0.05	<1	<5	<5	6
KID-67	Soil	23	2.12	271	0.111	<20	2.64	<0.01	0.19	<2	<0.05	<1	<5	<5	6
KID-68	Soil	26	1.73	316	0.092	<20	2.35	<0.01	0.32	<2	<0.05	<1	<5	<5	7
KID-69	Soil	28	2.25	419	0.137	<20	2.55	<0.01	0.63	<2	<0.05	<1	<5	<5	5
KID-70	Soil	66	1.45	98	0.049	<20	1.69	<0.01	0.04	<2	<0.05	<1	<5	<5	<5
KID-71	Soil	179	1.78	133	0.025	<20	2.18	<0.01	0.02	<2	<0.05	<1	<5	<5	6
KID-72	Soil	135	1.75	160	0.019	<20	2.20	<0.01	0.02	<2	<0.05	<1	<5	<5	7
KID-73	Soil	121	1.25	164	0.027	<20	1.91	<0.01	0.02	<2	<0.05	<1	<5	<5	5
KID-74	Soil	65	0.92	261	0.024	<20	1.60	<0.01	0.03	<2	<0.05	<1	<5	<5	<5
KID-75	Soil	44	1.23	132	0.008	<20	1.79	<0.01	0.01	<2	<0.05	<1	<5	<5	12
KID-76	Soil	34	1.21	140	0.008	<20	1.72	<0.01	0.01	<2	<0.05	<1	<5	<5	14



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		Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
MDL		0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01	0.001	1
KID-77	Soil	0.009	<1	103	14	161	0.6	28	15	671	2.93	5	<2	13	1.4	<3	<3	63	0.43	0.041	8
KID-78	Soil	0.007	<1	102	10	145	0.5	32	17	895	3.03	4	<2	7	0.7	<3	<3	68	0.24	0.050	10
KID-79	Soil	<0.005	<1	99	<3	53	0.3	13	20	1223	3.42	<2	<2	4	<0.5	<3	<3	63	0.16	0.043	6
KID-80	Soil	0.006	<1	84	3	64	<0.3	16	16	1153	3.50	4	<2	3	0.9	<3	<3	51	0.07	0.033	5
KID-81	Soil	0.006	1	83	5	39	<0.3	11	19	676	3.47	4	<2	6	<0.5	<3	<3	56	0.06	0.037	5
KID-82	Soil	<0.005	<1	49	4	57	<0.3	6	17	1227	4.05	3	<2	2	<0.5	<3	<3	59	0.08	0.050	1
KID-83	Soil	0.007	<1	38	6	58	<0.3	11	13	621	3.11	4	<2	6	<0.5	<3	<3	44	0.14	0.040	7
KID-84	Soil	0.008	<1	62	6	47	<0.3	14	18	699	3.15	4	<2	2	<0.5	<3	<3	53	0.07	0.033	2
KID-85	Soil	0.008	<1	65	9	54	<0.3	18	20	713	3.34	9	3	6	<0.5	<3	<3	50	0.07	0.022	9
KID-86	Soil	0.015	1	116	11	80	<0.3	14	24	717	3.73	5	<2	5	0.6	<3	<3	47	0.10	0.038	5
KID-87	Soil	<0.005	<1	78	5	43	<0.3	11	15	477	3.26	6	<2	3	<0.5	<3	<3	41	0.06	0.025	3
KID-88	Soil	<0.005	<1	91	<3	42	<0.3	10	18	760	3.14	5	<2	4	<0.5	<3	<3	35	0.11	0.047	3
KID-89	Soil	0.020	<1	73	19	201	<0.3	12	26	1339	4.04	5	<2	5	0.7	<3	<3	48	0.11	0.048	9



Bureau Veritas Commodities Canada Ltd.

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Client: **Kreft, Bernie**
1 Locust Place
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Project: None Given
Report Date: September 11, 2018

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CERTIFICATE OF ANALYSIS

WHI18000678.1

Method	Analyte	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
Unit		ppm	%	ppm	%	ppm	%	%	ppm	%	ppm	ppm	ppm	ppm	ppm
MDL		1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
KID-77	Soil	65	1.35	152	0.013	<20	1.93	<0.01	0.02	<2	<0.05	<1	<5	<5	8
KID-78	Soil	76	1.68	133	0.013	<20	2.07	<0.01	0.01	<2	<0.05	<1	<5	<5	11
KID-79	Soil	13	1.60	69	0.004	<20	2.06	<0.01	0.01	<2	<0.05	<1	<5	<5	10
KID-80	Soil	17	1.64	74	0.015	<20	2.23	<0.01	0.02	<2	<0.05	<1	<5	<5	7
KID-81	Soil	12	1.73	62	0.041	<20	2.11	<0.01	0.01	<2	<0.05	<1	<5	<5	6
KID-82	Soil	8	1.23	24	0.006	<20	2.17	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5
KID-83	Soil	15	1.01	105	0.017	<20	1.70	<0.01	0.02	<2	<0.05	<1	<5	<5	<5
KID-84	Soil	16	1.46	26	0.015	<20	2.04	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5
KID-85	Soil	22	1.07	142	0.028	<20	2.10	<0.01	0.02	<2	<0.05	<1	<5	<5	6
KID-86	Soil	17	1.20	101	0.014	<20	1.99	<0.01	0.01	<2	<0.05	<1	<5	<5	5
KID-87	Soil	15	1.09	44	0.033	<20	1.94	<0.01	0.01	<2	<0.05	<1	<5	<5	<5
KID-88	Soil	12	0.95	44	0.035	<20	1.58	<0.01	0.01	<2	<0.05	<1	<5	<5	<5
KID-89	Soil	12	1.12	88	0.005	<20	1.91	<0.01	0.02	<2	<0.05	<1	<5	<5	8



QUALITY CONTROL REPORT

WHI18000678.1

Method	FA430	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	
Analyte	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
MDL	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01	0.001	1	
Pulp Duplicates																					
BUND-19	Soil	0.007	<1	50	8	70	0.7	36	29	1038	5.08	3	<2	17	<0.5	<3	<3	118	0.42	0.044	4
REP BUND-19	QC	0.006																			
IOSD-02	Soil	0.015	<1	258	47	613	1.7	36	21	1864	3.23	15	<2	8	6.9	<3	<3	55	0.21	0.060	12
REP IOSD-02	QC		<1	262	47	625	1.5	36	21	1925	3.34	15	2	8	6.8	<3	<3	55	0.22	0.065	12
KID-51	Soil	0.016	<1	66	5	57	<0.3	25	25	771	3.90	4	<2	10	<0.5	<3	<3	71	0.20	0.054	3
REP KID-51	QC	0.020	<1	67	4	57	<0.3	25	25	786	3.96	5	<2	10	<0.5	<3	<3	71	0.20	0.055	3
KID-80	Soil	0.006	<1	84	3	64	<0.3	16	16	1153	3.50	4	<2	3	0.9	<3	<3	51	0.07	0.033	5
REP KID-80	QC	0.006																			
KID-83	Soil	0.007	<1	38	6	58	<0.3	11	13	621	3.11	4	<2	6	<0.5	<3	<3	44	0.14	0.040	7
REP KID-83	QC		<1	37	7	58	<0.3	11	13	616	3.07	4	2	6	<0.5	<3	<3	43	0.14	0.041	7
Reference Materials																					
STD DS11	Standard		14	143	132	331	1.7	71	12	992	3.01	43	6	66	2.0	6	10	47	1.01	0.067	16
STD DS11	Standard		13	145	131	341	1.6	72	12	993	3.03	42	6	65	2.1	6	9	47	1.01	0.068	16
STD DS11	Standard		13	143	128	334	2.1	72	12	972	2.98	40	7	62	2.0	6	11	46	1.01	0.065	15
STD OREAS45EA	Standard		3	689	12	32	0.5	405	49	394	24.75	12	7	4	<0.5	<3	<3	305	0.04	0.030	7
STD OREAS45EA	Standard		3	707	13	32	0.6	409	50	403	25.05	12	7	4	<0.5	3	<3	309	0.04	0.031	7
STD OREAS45EA	Standard		2	696	11	29	1.2	375	47	404	22.79	10	9	3	<0.5	<3	<3	304	0.03	0.029	7
STD OXC145	Standard	0.208																			
STD OXC145	Standard	0.210																			
STD OXH139	Standard	1.338																			
STD OXH139	Standard	1.321																			
STD OXN134	Standard	7.774																			
STD OXN134	Standard	7.862																			
STD OXN134 Expected		7.667																			
STD OXC145 Expected		0.212																			
STD OXH139 Expected		1.312																			
STD OREAS45EA Expected			1.6	709	14.3	31.4	0.26	381	52	400	22.65	11	10.7	4.05				303	0.036	0.029	7.06
STD DS11 Expected			13.9	156	138	345	1.71	81.9	14.2	1055	3.2082	42.8	7.65	67.3	2.37	7.2	12.2	50	1.063	0.0701	18.6



Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
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Client: **Kreft, Bernie**
1 Locust Place
Whitehorse Yukon Y1A 5G9 Canada

Project: None Given
Report Date: September 11, 2018

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QUALITY CONTROL REPORT

WHI18000678.1

Method	Analyte	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
MDL		1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
Pulp Duplicates															
BUND-19	Soil	73	3.23	251	0.122	<20	2.96	<0.01	0.03	<2	<0.05	<1	<5	<5	17
REP BUND-19	QC														
IOSD-02	Soil	83	1.37	150	0.020	<20	1.93	<0.01	0.02	<2	<0.05	<1	<5	<5	12
REP IOSD-02	QC	85	1.42	152	0.020	<20	1.99	<0.01	0.02	<2	<0.05	<1	<5	<5	12
KID-51	Soil	38	1.72	93	0.095	<20	2.13	<0.01	0.09	<2	<0.05	<1	<5	<5	<5
REP KID-51	QC	38	1.74	93	0.095	<20	2.17	<0.01	0.09	<2	<0.05	<1	<5	5	<5
KID-80	Soil	17	1.64	74	0.015	<20	2.23	<0.01	0.02	<2	<0.05	<1	<5	<5	7
REP KID-80	QC														
KID-83	Soil	15	1.01	105	0.017	<20	1.70	<0.01	0.02	<2	<0.05	<1	<5	<5	<5
REP KID-83	QC	17	0.99	105	0.017	<20	1.69	<0.01	0.02	<2	<0.05	<1	<5	<5	<5
Reference Materials															
STD DS11	Standard	56	0.79	371	0.091	<20	1.11	0.07	0.38	2	0.24	<1	6	<5	<5
STD DS11	Standard	56	0.80	389	0.089	<20	1.10	0.07	0.38	2	0.25	<1	5	<5	<5
STD DS11	Standard	59	0.80	400	0.085	<20	1.08	0.07	0.38	<2	0.24	<1	5	<5	<5
STD OREAS45EA	Standard	868	0.10	149	0.105	<20	3.31	0.02	0.05	<2	<0.05	<1	13	<5	80
STD OREAS45EA	Standard	879	0.10	151	0.106	<20	3.37	0.02	0.06	<2	<0.05	<1	13	<5	83
STD OREAS45EA	Standard	938	0.09	146	0.103	<20	3.44	0.02	0.06	<2	<0.05	<1	<5	<5	84
STD OXC145	Standard														
STD OXC145	Standard														
STD OXH139	Standard														
STD OXH139	Standard														
STD OXN134	Standard														
STD OXN134	Standard														
STD OXN134 Expected															
STD OXC145 Expected															
STD OXH139 Expected															
STD OREAS45EA Expected		849	0.095	148	0.0984		3.32	0.02	0.053		0.036			12.4	78
STD DS11 Expected		61.5	0.85	417	0.0976	6	1.129	0.0694	0.4	2.9	0.2835	0.3	4.9	4.7	3.1



Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
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1 Locust Place
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Project: None Given
Report Date: September 11, 2018

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QUALITY CONTROL REPORT

WHI18000678.1

		FA430	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
BLK	Blank	<0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01	0.001	1
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
BLK	Blank		<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<1	<0.5	<3	<3	<1	<0.01	<0.001	<1
BLK	Blank		<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<1	<0.5	<3	<3	<1	<0.01	<0.001	<1
BLK	Blank		<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<1	<0.5	<3	<3	<1	<0.01	<0.001	<1



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QUALITY CONTROL REPORT

WHI18000678.1

		AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
		ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
		1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
BLK	Blank														
BLK	Blank														
BLK	Blank														
BLK	Blank														
BLK	Blank	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5
BLK	Blank	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5
BLK	Blank	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5



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

Submitted By: Bernie Kreft
Receiving Lab: Canada-Whitehorse
Received: July 20, 2018
Report Date: August 11, 2018
Page: 1 of 5

CERTIFICATE OF ANALYSIS

WHI18000406.1

CLIENT JOB INFORMATION

Project: None Given
Shipment ID:
P.O. Number
Number of Samples: 102

SAMPLE DISPOSAL

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

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

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

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
DY060	102	Dry at 60C			WHI
SS80	102	Dry at 60C sieve 100g to -80 mesh			WHI
SVRJT	102	Save all or part of Soil Reject			WHI
FA430	102	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
EN002	102	Environmental disposal charge-Fire assay lead waste			VAN
AQ300	102	1:1:1 Aqua Regia digestion ICP-ES analysis	0.5	Completed	VAN
SHP01	102	Per sample shipping charges for branch shipments			VAN

ADDITIONAL COMMENTS


JEFFREY CANNON
Geochemistry Department Supervisor

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



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Project: None Given
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CERTIFICATE OF ANALYSIS

WHI18000406.1

Method	Analyte	FA430	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm
MDL		0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01	0.001	1
XMD-01	Soil	0.017	2	33	18	86	0.7	25	8	333	3.33	36	<2	23	<0.5	<3	<3	59	0.23	0.104	13
XMD-02	Soil	0.007	2	26	23	66	0.4	20	8	409	2.93	37	<2	19	<0.5	<3	<3	61	0.16	0.053	13
XMD-03	Soil	0.025	2	26	16	62	0.4	21	8	272	2.95	40	<2	18	<0.5	<3	<3	62	0.15	0.057	13
XMD-04	Soil	0.012	2	25	19	64	<0.3	22	7	248	2.97	34	<2	19	<0.5	<3	<3	62	0.19	0.060	14
XMD-05	Soil	0.010	2	25	17	70	0.4	21	8	343	2.92	38	<2	17	<0.5	<3	<3	60	0.18	0.061	13
XMD-06	Soil	0.008	1	32	11	92	<0.3	34	10	532	3.17	114	3	19	<0.5	<3	<3	59	0.25	0.078	14
XMD-07	Soil	0.014	2	39	14	115	<0.3	43	12	636	3.59	197	<2	20	<0.5	<3	<3	63	0.25	0.089	15
XMD-08	Soil	0.009	1	28	14	78	<0.3	24	8	319	2.88	61	<2	21	<0.5	<3	<3	57	0.23	0.066	15
XMD-09	Soil	0.017	2	21	16	67	<0.3	21	14	809	3.03	79	<2	22	<0.5	<3	<3	66	0.21	0.055	12
CIOD-01	Soil	0.007	<1	64	<3	53	<0.3	39	29	950	3.90	<2	<2	12	<0.5	<3	<3	74	0.28	0.038	1
CIOD-02	Soil	<0.005	<1	56	4	69	<0.3	26	26	1183	4.70	6	<2	7	<0.5	<3	<3	67	0.21	0.053	5
CIOD-03	Soil	0.006	<1	68	3	91	<0.3	38	27	1327	5.62	4	<2	5	<0.5	<3	<3	85	0.19	0.041	4
CIOD-04	Soil	0.012	<1	57	<3	81	<0.3	13	16	1343	4.21	3	<2	5	<0.5	<3	<3	32	0.20	0.060	4
CIOD-05	Soil	0.006	<1	62	<3	59	<0.3	34	23	1298	4.32	3	<2	6	<0.5	<3	<3	100	0.16	0.049	2
CIOD-06	Soil	<0.005	<1	55	<3	46	<0.3	34	22	1316	3.96	<2	<2	5	<0.5	<3	<3	103	0.16	0.053	1
CIOD-07	Soil	0.021	<1	43	<3	42	<0.3	32	20	1438	3.56	<2	<2	5	<0.5	<3	<3	89	0.18	0.070	1
CIOD-08	Soil	<0.005	<1	34	3	38	<0.3	30	17	1341	3.40	<2	<2	5	<0.5	<3	<3	96	0.17	0.062	2
CIOD-09	Soil	<0.005	<1	47	6	51	<0.3	29	18	1743	3.35	<2	<2	3	<0.5	<3	<3	95	0.19	0.083	2
CIOD-10	Soil	0.039	<1	123	12	183	0.5	24	21	1807	4.46	3	<2	3	1.3	<3	<3	54	0.13	0.072	5
CIOD-11	Soil	0.044	1	43	15	204	<0.3	19	12	647	3.70	9	4	6	<0.5	<3	<3	36	0.07	0.029	13
CIOD-12	Soil	0.005	<1	50	55	129	<0.3	37	19	1773	3.95	<2	<2	2	1.0	<3	<3	70	0.12	0.065	5
CIOD-13	Soil	<0.005	<1	39	14	118	<0.3	20	16	1046	3.80	5	2	4	<0.5	<3	<3	57	0.08	0.044	5
CIOD-14	Soil	0.043	<1	88	26	83	0.3	13	20	1396	4.55	<2	<2	4	<0.5	<3	<3	67	0.14	0.058	6
CIOD-15	Soil	0.044	<1	63	17	88	<0.3	21	18	1376	4.07	8	<2	7	<0.5	<3	<3	58	0.23	0.052	8
CIOD-16	Soil	0.015	<1	69	12	65	0.4	15	26	1226	4.57	4	<2	6	<0.5	<3	<3	67	0.15	0.043	6
CIOD-17	Soil	0.009	<1	73	<3	54	<0.3	11	25	1450	4.69	3	<2	3	<0.5	<3	<3	80	0.12	0.055	2
CIOD-18	Soil	0.012	<1	95	6	62	<0.3	16	24	2184	4.98	3	<2	4	<0.5	<3	<3	85	0.13	0.063	4
CIOD-19	Soil	0.015	<1	70	<3	62	<0.3	12	21	1404	5.24	3	<2	5	<0.5	<3	<3	153	0.19	0.074	4
CIOD-20	Soil	0.023	<1	98	3	77	0.3	14	27	1482	4.95	5	<2	6	<0.5	<3	<3	73	0.21	0.069	7
CIOD-21	Soil	0.012	<1	48	7	54	<0.3	13	15	787	3.72	7	<2	10	<0.5	<3	<3	69	0.23	0.053	7



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Project: None Given
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Method	Analyte	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
MDL		1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
XMD-01	Soil	31	0.44	196	0.060	<20	1.65	<0.01	0.09	<2	<0.05	<1	<5	<5	<5
XMD-02	Soil	32	0.43	170	0.066	<20	1.64	<0.01	0.08	<2	<0.05	<1	<5	6	<5
XMD-03	Soil	36	0.51	196	0.055	<20	1.82	<0.01	0.07	<2	<0.05	<1	<5	6	<5
XMD-04	Soil	35	0.51	185	0.065	<20	1.88	<0.01	0.07	<2	<0.05	<1	<5	6	<5
XMD-05	Soil	35	0.52	187	0.063	<20	1.81	<0.01	0.07	<2	<0.05	<1	<5	<5	<5
XMD-06	Soil	38	0.54	202	0.068	<20	1.69	<0.01	0.07	<2	<0.05	<1	<5	<5	<5
XMD-07	Soil	44	0.57	207	0.068	<20	1.75	<0.01	0.07	<2	<0.05	<1	<5	<5	5
XMD-08	Soil	38	0.53	227	0.060	<20	1.83	<0.01	0.07	<2	<0.05	<1	<5	5	<5
XMD-09	Soil	35	0.44	212	0.056	<20	1.68	<0.01	0.07	<2	<0.05	<1	<5	8	<5
CIOD-01	Soil	69	2.55	44	0.072	<20	2.44	<0.01	<0.01	<2	<0.05	<1	<5	7	<5
CIOD-02	Soil	38	2.41	65	0.071	<20	2.72	<0.01	0.02	<2	<0.05	<1	<5	8	5
CIOD-03	Soil	66	3.05	95	0.052	<20	3.39	<0.01	0.03	<2	<0.05	<1	<5	10	8
CIOD-04	Soil	11	1.89	67	0.043	<20	2.24	<0.01	0.03	<2	<0.05	<1	<5	5	<5
CIOD-05	Soil	75	2.88	27	0.047	<20	3.20	<0.01	<0.01	<2	<0.05	<1	<5	7	8
CIOD-06	Soil	76	2.79	19	0.042	<20	2.99	<0.01	<0.01	<2	<0.05	<1	<5	7	8
CIOD-07	Soil	71	2.53	19	0.032	<20	2.70	<0.01	<0.01	<2	<0.05	<1	<5	6	7
CIOD-08	Soil	70	2.52	29	0.036	<20	2.63	<0.01	<0.01	<2	<0.05	<1	<5	<5	8
CIOD-09	Soil	67	2.29	39	0.029	<20	2.52	<0.01	<0.01	<2	<0.05	<1	<5	7	10
CIOD-10	Soil	30	1.68	53	0.006	<20	2.42	<0.01	0.02	<2	<0.05	<1	<5	8	10
CIOD-11	Soil	30	1.05	97	0.021	<20	2.17	<0.01	0.03	<2	<0.05	<1	<5	7	<5
CIOD-12	Soil	73	2.17	32	0.008	<20	2.88	<0.01	0.01	<2	<0.05	<1	<5	9	10
CIOD-13	Soil	21	1.65	60	0.018	<20	2.67	<0.01	0.02	<2	<0.05	<1	<5	7	6
CIOD-14	Soil	17	1.79	85	0.006	<20	2.56	<0.01	0.02	<2	<0.05	<1	<5	7	12
CIOD-15	Soil	19	1.63	111	0.016	<20	2.34	<0.01	0.02	<2	<0.05	<1	<5	6	8
CIOD-16	Soil	20	1.50	82	0.015	<20	2.41	<0.01	0.02	<2	<0.05	<1	<5	7	10
CIOD-17	Soil	14	1.67	36	0.008	<20	2.52	<0.01	0.01	<2	<0.05	<1	<5	9	7
CIOD-18	Soil	18	1.83	97	0.006	<20	2.83	<0.01	0.02	<2	<0.05	<1	<5	9	12
CIOD-19	Soil	18	1.98	57	0.013	<20	3.02	<0.01	0.01	<2	<0.05	<1	<5	8	12
CIOD-20	Soil	15	1.56	120	0.011	<20	2.58	<0.01	0.02	<2	<0.05	<1	<5	8	9
CIOD-21	Soil	21	1.04	111	0.025	<20	2.13	<0.01	0.02	<2	<0.05	<1	<5	9	<5



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Method Analyte Unit MDL	FA430	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	
	Au ppm	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	
CIOD-22	Soil	0.044	<1	115	4	58	<0.3	10	19	931	4.66	3	<2	10	<0.5	<3	<3	128	0.40	0.070	5
CIOD-23	Soil	0.039	<1	82	<3	67	<0.3	12	20	665	4.61	3	<2	8	<0.5	<3	<3	106	0.31	0.063	5
CIOD-24	Soil	0.019	<1	81	<3	70	<0.3	27	24	939	5.64	2	<2	7	<0.5	<3	<3	117	0.26	0.053	5
CIOD-25	Soil	0.026	<1	72	3	63	<0.3	20	17	786	4.13	5	<2	11	<0.5	<3	<3	79	0.33	0.058	7
CIOD-26	Soil	0.020	<1	80	<3	60	<0.3	16	17	576	4.05	4	<2	9	<0.5	<3	<3	80	0.28	0.052	7
CIOD-27	Soil	0.016	<1	65	5	66	<0.3	19	16	565	3.61	6	<2	11	<0.5	<3	<3	68	0.29	0.052	8
CIOD-28	Soil	0.012	<1	76	7	69	<0.3	17	20	770	4.59	4	<2	10	<0.5	<3	<3	92	0.32	0.048	5
CIOD-29	Soil	0.020	<1	69	4	65	<0.3	19	21	1417	4.06	5	<2	14	<0.5	<3	<3	79	0.42	0.051	7
CIOD-30	Soil	0.016	<1	71	8	68	<0.3	18	20	934	3.83	5	3	11	<0.5	<3	<3	77	0.33	0.056	7
JAS-01	Soil	0.011	<1	46	8	70	<0.3	20	18	952	3.47	7	<2	6	<0.5	<3	<3	69	0.14	0.050	5
JAS-02	Soil	0.007	<1	44	7	90	<0.3	21	16	801	3.62	7	4	11	<0.5	<3	<3	62	0.17	0.038	8
JAS-03	Soil	0.008	<1	41	7	231	<0.3	14	14	744	2.75	5	<2	11	<0.5	<3	<3	29	0.21	0.052	5
JAS-04	Soil	0.007	<1	61	4	246	<0.3	20	20	852	3.96	4	<2	10	<0.5	<3	<3	56	0.17	0.032	3
JAS-05	Soil	0.014	<1	65	7	87	<0.3	29	21	1004	3.93	4	2	7	<0.5	<3	<3	74	0.14	0.035	6
JAS-06	Soil	0.018	<1	45	8	62	<0.3	24	16	743	3.46	5	2	10	<0.5	<3	<3	68	0.17	0.034	10
JAS-07	Soil	<0.005	<1	55	3	60	<0.3	25	21	944	3.84	2	<2	6	<0.5	<3	<3	74	0.14	0.036	2
JAS-08	Soil	0.006	<1	48	5	61	<0.3	23	19	995	3.55	2	<2	8	<0.5	<3	<3	63	0.16	0.039	4
JAS-09	Soil	0.007	<1	72	4	61	<0.3	23	19	925	3.54	4	<2	7	<0.5	<3	<3	62	0.14	0.033	4
JAS-10	Soil	<0.005	<1	101	4	51	<0.3	24	24	1340	3.58	<2	<2	4	<0.5	<3	<3	67	0.13	0.045	4
JAS-11	Soil	0.008	<1	72	9	213	<0.3	21	23	976	3.73	6	<2	4	<0.5	<3	<3	50	0.11	0.043	1
JAS-12	Soil	0.011	<1	53	7	117	<0.3	27	19	1362	3.64	3	<2	7	0.8	<3	<3	86	0.11	0.046	4
JAS-13	Soil	0.019	<1	39	5	50	<0.3	33	18	846	3.93	4	<2	5	<0.5	<3	<3	108	0.08	0.031	3
JAS-14	Soil	0.009	<1	93	7	158	<0.3	30	21	1007	4.29	3	<2	7	<0.5	<3	<3	108	0.18	0.018	10
JAS-15	Soil	0.007	<1	22	8	49	<0.3	15	11	321	3.15	4	<2	12	<0.5	<3	<3	93	0.21	0.024	8
JAS-16	Soil	<0.005	<1	46	6	242	0.3	29	19	726	4.69	4	<2	5	<0.5	<3	<3	141	0.08	0.026	3
JAS-17	Soil	0.033	<1	52	14	124	0.6	26	20	1048	4.71	5	<2	4	<0.5	<3	<3	113	0.07	0.034	3
JAS-18	Soil	0.017	<1	117	51	716	0.4	32	20	1254	4.33	22	3	7	1.4	<3	<3	49	0.13	0.066	8
JAS-19	Soil	0.042	<1	158	37	313	<0.3	38	25	1929	4.85	6	3	5	2.2	<3	<3	71	0.10	0.049	9
JAS-20	Soil	0.059	<1	137	58	483	0.7	16	19	1856	4.07	7	<2	5	3.4	<3	<3	42	0.21	0.083	15
JAS-21	Soil	0.020	<1	56	24	201	<0.3	19	15	1446	3.66	4	3	5	0.7	<3	<3	39	0.15	0.062	9



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Method	Analyte	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
MDL		1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
CIOD-22	Soil	13	1.47	65	0.009	<20	2.25	<0.01	0.02	<2	<0.05	<1	<5	8	15
CIOD-23	Soil	18	1.46	77	0.015	<20	2.27	<0.01	0.01	<2	<0.05	<1	<5	5	11
CIOD-24	Soil	25	0.80	130	0.015	<20	1.42	<0.01	0.03	<2	<0.05	<1	<5	<5	20
CIOD-25	Soil	20	1.02	154	0.020	<20	1.98	<0.01	0.03	<2	<0.05	<1	<5	7	9
CIOD-26	Soil	18	1.19	119	0.023	<20	2.28	<0.01	0.02	<2	<0.05	<1	<5	8	8
CIOD-27	Soil	23	1.24	149	0.034	<20	2.12	<0.01	0.03	<2	<0.05	<1	<5	6	6
CIOD-28	Soil	18	1.26	119	0.014	<20	2.24	<0.01	0.02	<2	<0.05	<1	<5	9	9
CIOD-29	Soil	20	1.30	183	0.025	<20	2.41	<0.01	0.03	<2	<0.05	<1	<5	6	8
CIOD-30	Soil	21	1.32	162	0.023	<20	2.35	<0.01	0.03	<2	<0.05	<1	<5	6	7
JAS-01	Soil	27	1.91	93	0.041	<20	2.38	<0.01	0.02	<2	<0.05	<1	<5	7	6
JAS-02	Soil	30	1.68	154	0.062	<20	2.41	<0.01	0.03	<2	<0.05	<1	<5	5	<5
JAS-03	Soil	13	1.29	116	0.045	<20	1.62	<0.01	0.04	<2	<0.05	<1	<5	<5	<5
JAS-04	Soil	21	2.33	81	0.066	<20	2.54	<0.01	0.02	<2	<0.05	<1	<5	6	<5
JAS-05	Soil	47	2.28	81	0.053	<20	2.82	<0.01	0.02	<2	<0.05	<1	<5	5	7
JAS-06	Soil	39	1.65	120	0.059	<20	2.50	<0.01	0.03	<2	<0.05	<1	<5	7	7
JAS-07	Soil	36	2.42	43	0.055	<20	2.92	<0.01	0.02	<2	<0.05	<1	<5	7	6
JAS-08	Soil	40	2.16	47	0.066	<20	2.53	<0.01	0.02	<2	<0.05	<1	<5	<5	6
JAS-09	Soil	38	2.09	54	0.086	<20	2.54	<0.01	0.02	<2	<0.05	<1	<5	<5	6
JAS-10	Soil	34	2.31	30	0.043	<20	2.50	<0.01	0.01	<2	<0.05	<1	<5	5	6
JAS-11	Soil	22	2.12	35	0.034	<20	2.65	<0.01	0.02	<2	<0.05	<1	<5	6	<5
JAS-12	Soil	46	1.92	91	0.025	<20	2.74	<0.01	0.02	<2	<0.05	<1	<5	7	8
JAS-13	Soil	65	2.40	66	0.019	<20	3.10	<0.01	0.01	<2	<0.05	<1	<5	10	11
JAS-14	Soil	52	2.31	142	0.011	<20	2.92	<0.01	0.02	<2	<0.05	<1	<5	8	19
JAS-15	Soil	29	1.17	152	0.040	<20	2.37	<0.01	0.02	<2	<0.05	<1	<5	7	6
JAS-16	Soil	65	2.17	56	0.032	<20	3.17	<0.01	0.01	<2	<0.05	<1	<5	11	12
JAS-17	Soil	55	1.65	58	0.046	<20	2.66	<0.01	0.02	<2	<0.05	<1	<5	8	9
JAS-18	Soil	61	1.60	74	0.010	<20	2.74	<0.01	0.02	<2	<0.05	<1	<5	5	8
JAS-19	Soil	53	1.79	121	0.008	<20	3.02	<0.01	0.02	<2	<0.05	<1	<5	6	13
JAS-20	Soil	20	1.50	88	0.008	<20	2.20	<0.01	0.02	<2	<0.05	<1	<5	5	11
JAS-21	Soil	31	1.33	88	0.020	<20	2.18	<0.01	0.02	<2	<0.05	<1	<5	7	7



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Method Analyte Unit MDL	FA430	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
	Au ppm	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm
JAS-22 Soil	0.032	<1	78	25	126	<0.3	9	15	1448	3.31	4	<2	6	0.8	<3	<3	34	0.22	0.081	8
JAS-23 Soil	0.016	<1	101	22	170	0.5	33	26	1945	4.71	2	<2	6	1.3	<3	<3	65	0.34	0.105	10
JAS-24 Soil	0.011	<1	71	20	119	0.4	20	20	1439	4.51	2	2	7	<0.5	<3	<3	66	0.34	0.104	8
JAS-25 Soil	0.009	<1	62	8	70	<0.3	15	20	1283	4.31	5	<2	8	<0.5	<3	<3	81	0.30	0.075	7
JAS-26 Soil	0.009	<1	63	21	121	0.3	18	19	1326	4.34	3	<2	7	0.5	<3	<3	65	0.34	0.100	8
JAS-27 Soil	0.009	<1	46	9	69	<0.3	14	15	412	3.42	4	<2	13	<0.5	<3	<3	74	0.39	0.048	6
JAS-28 Soil	0.008	<1	56	9	76	<0.3	16	18	725	3.89	4	<2	11	<0.5	<3	<3	77	0.37	0.064	6
JAS-29 Soil	0.010	<1	71	4	74	<0.3	31	27	1214	5.40	<2	<2	29	<0.5	<3	<3	97	1.63	0.064	3
JAS-30 Soil	<0.005	<1	28	<3	70	<0.3	18	13	520	2.69	5	<2	6	<0.5	<3	<3	46	0.29	0.079	5
JAS-31 Soil	0.006	<1	61	4	72	<0.3	21	19	655	3.98	3	<2	9	<0.5	<3	<3	84	0.33	0.054	6
JAS-32 Soil	0.016	<1	80	5	69	<0.3	15	20	844	4.43	3	<2	15	<0.5	<3	<3	88	0.68	0.065	4
JAS-33 Soil	0.013	<1	57	7	73	0.3	16	17	915	3.61	5	<2	16	<0.5	<3	<3	70	0.61	0.056	7
KID-01 Soil	0.016	<1	41	4	78	<0.3	22	14	564	3.26	6	2	9	<0.5	<3	<3	60	0.14	0.040	9
KID-02 Soil	0.006	<1	36	6	74	<0.3	19	12	520	3.11	5	<2	11	<0.5	<3	<3	56	0.18	0.046	9
KID-03 Soil	0.006	<1	41	5	68	1.2	22	14	566	3.24	6	2	11	<0.5	<3	<3	61	0.16	0.038	9
KID-04 Soil	0.008	<1	45	6	89	<0.3	23	15	680	3.43	7	3	13	<0.5	<3	<3	63	0.18	0.038	10
KID-05 Soil	0.007	<1	71	<3	140	<0.3	20	21	899	3.77	4	<2	11	<0.5	<3	<3	63	0.21	0.042	7
KID-06 Soil	0.010	<1	53	9	119	<0.3	19	14	605	3.36	6	3	9	<0.5	<3	<3	63	0.13	0.045	11
KID-07 Soil	0.013	<1	61	11	97	<0.3	21	12	598	3.23	8	3	16	<0.5	<3	<3	61	0.19	0.039	17
KID-08 Soil	0.016	<1	102	8	198	<0.3	23	22	1041	4.18	4	2	6	0.5	<3	<3	84	0.15	0.049	10
KID-09 Soil	0.035	<1	128	11	222	<0.3	25	20	1223	4.32	5	4	5	0.9	<3	<3	84	0.10	0.038	15
KID-10 Soil	0.011	<1	46	15	108	<0.3	19	13	780	3.56	7	3	9	<0.5	<3	<3	65	0.16	0.034	9
KID-11 Soil	0.068	<1	114	12	143	0.3	27	22	1357	4.05	4	<2	3	0.8	<3	<3	82	0.13	0.062	6
KID-12 Soil	0.023	<1	102	25	225	0.3	39	22	1524	4.68	2	<2	3	0.5	<3	<3	85	0.10	0.051	8
KID-13 Soil	0.007	<1	116	12	129	<0.3	29	23	1518	4.30	<2	2	3	0.9	<3	<3	89	0.12	0.060	6
KID-14 Soil	0.007	<1	103	18	115	0.3	19	19	1832	4.35	3	<2	5	0.7	<3	<3	54	0.17	0.070	12
KID-15 Soil	0.014	<1	77	12	101	<0.3	12	15	1426	4.22	3	<2	5	<0.5	<3	<3	54	0.17	0.072	13
KID-16 Soil	<0.005	<1	40	12	60	<0.3	5	11	795	3.41	2	2	5	<0.5	<3	<3	56	0.20	0.098	3
KID-17 Soil	<0.005	<1	53	10	99	<0.3	20	12	1246	3.85	3	7	7	<0.5	<3	<3	50	0.14	0.047	19
KID-18 Soil	<0.005	<1	63	13	65	<0.3	24	19	856	4.92	6	<2	3	<0.5	<3	<3	125	0.04	0.030	4



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Project: None Given
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CERTIFICATE OF ANALYSIS

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Method	Analyte	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
MDL		1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
JAS-22	Soil	13	1.16	85	0.017	<20	1.78	<0.01	0.02	<2	<0.05	<1	<5	5	6
JAS-23	Soil	51	2.25	86	0.005	<20	3.01	<0.01	0.02	<2	<0.05	<1	<5	8	14
JAS-24	Soil	29	2.01	74	0.005	<20	2.82	<0.01	0.02	<2	<0.05	<1	<5	8	11
JAS-25	Soil	19	1.75	100	0.014	<20	2.60	<0.01	0.02	<2	<0.05	<1	<5	8	10
JAS-26	Soil	25	1.96	88	0.006	<20	2.76	<0.01	0.02	<2	<0.05	<1	<5	8	11
JAS-27	Soil	22	1.36	108	0.023	<20	2.37	<0.01	0.02	<2	<0.05	<1	<5	<5	6
JAS-28	Soil	23	1.46	102	0.023	<20	2.41	<0.01	0.02	<2	<0.05	<1	<5	6	7
JAS-29	Soil	20	0.42	202	0.002	<20	0.88	<0.01	0.04	<2	<0.05	<1	<5	<5	22
JAS-30	Soil	17	1.11	157	0.053	<20	1.27	<0.01	0.26	<2	<0.05	<1	<5	<5	<5
JAS-31	Soil	27	1.86	144	0.056	<20	2.17	<0.01	0.08	<2	<0.05	<1	<5	<5	8
JAS-32	Soil	15	1.08	180	0.009	<20	1.73	<0.01	0.02	<2	<0.05	<1	<5	5	11
JAS-33	Soil	22	1.17	166	0.021	<20	2.06	<0.01	0.02	<2	<0.05	<1	<5	6	7
KID-01	Soil	31	1.37	142	0.054	<20	2.24	<0.01	0.03	<2	<0.05	<1	<5	<5	5
KID-02	Soil	28	1.35	146	0.049	<20	2.10	<0.01	0.03	<2	<0.05	<1	<5	<5	<5
KID-03	Soil	33	1.42	130	0.058	<20	2.16	<0.01	0.03	<2	<0.05	<1	<5	<5	<5
KID-04	Soil	34	1.45	205	0.054	<20	2.25	<0.01	0.03	<2	<0.05	<1	<5	<5	5
KID-05	Soil	27	2.17	105	0.063	<20	2.47	<0.01	0.02	<2	<0.05	<1	<5	<5	<5
KID-06	Soil	30	1.21	158	0.036	<20	2.21	<0.01	0.03	<2	<0.05	<1	<5	<5	7
KID-07	Soil	29	1.02	257	0.044	<20	2.00	<0.01	0.04	<2	<0.05	<1	<5	<5	8
KID-08	Soil	34	2.10	87	0.029	<20	2.63	<0.01	0.02	<2	<0.05	<1	<5	7	10
KID-09	Soil	34	1.97	102	0.020	<20	2.81	<0.01	0.03	<2	<0.05	<1	<5	7	13
KID-10	Soil	33	1.14	143	0.038	<20	2.27	<0.01	0.03	<2	<0.05	<1	<5	5	6
KID-11	Soil	44	2.24	57	0.016	<20	2.76	<0.01	0.02	<2	<0.05	<1	<5	6	11
KID-12	Soil	82	2.62	44	0.008	<20	3.30	<0.01	0.02	<2	<0.05	<1	<5	7	15
KID-13	Soil	56	2.51	48	0.013	<20	3.01	<0.01	0.01	<2	<0.05	<1	<5	6	15
KID-14	Soil	29	1.83	94	0.004	<20	2.39	<0.01	0.02	<2	<0.05	<1	<5	7	13
KID-15	Soil	14	1.63	64	0.007	<20	2.44	<0.01	0.02	<2	<0.05	<1	<5	5	15
KID-16	Soil	5	1.21	39	0.010	<20	1.90	<0.01	0.01	<2	<0.05	<1	<5	7	7
KID-17	Soil	28	1.61	158	0.005	<20	2.44	<0.01	0.04	<2	<0.05	<1	<5	7	9
KID-18	Soil	51	2.02	81	0.017	<20	3.22	<0.01	0.02	<2	<0.05	<1	<5	7	16



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Method	Analyte	FA430	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
MDL		0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01	0.001	1
KID-19	Soil	<0.005	<1	70	6	77	<0.3	31	23	1594	4.68	<2	<2	5	<0.5	<3	<3	122	0.13	0.048	4
KID-20	Soil	0.007	<1	85	5	115	<0.3	14	19	1307	4.13	6	<2	5	<0.5	<3	<3	54	0.15	0.057	5
KID-21	Soil	0.016	<1	114	6	278	2.0	20	40	1930	4.76	31	<2	4	1.1	<3	<3	67	0.13	0.088	3
KID-22	Soil	0.010	<1	161	8	325	0.4	29	27	1587	4.54	8	2	4	0.9	<3	<3	71	0.19	0.086	4
KID-23	Soil	0.008	<1	92	7	105	<0.3	17	19	1424	3.76	4	<2	5	0.5	<3	<3	41	0.20	0.078	5
KID-24	Soil	0.007	<1	191	16	133	0.7	24	20	1699	3.79	3	<2	5	1.1	<3	<3	70	0.16	0.070	6
KID-25	Soil	0.010	<1	138	22	143	0.6	25	21	1699	3.92	3	<2	4	1.0	<3	<3	70	0.17	0.064	5
KID-26	Soil	0.014	<1	128	83	234	0.5	22	21	1815	3.79	5	<2	4	1.5	<3	<3	49	0.20	0.088	4
KID-27	Soil	0.012	<1	90	10	92	<0.3	14	19	1165	3.44	5	<2	6	0.9	<3	<3	45	0.18	0.070	6
KID-28	Soil	0.035	<1	94	<3	57	<0.3	12	22	1046	3.87	2	<2	4	<0.5	<3	<3	70	0.17	0.075	2
KID-29	Soil	0.011	<1	64	7	76	<0.3	14	16	753	3.52	4	3	6	<0.5	<3	<3	59	0.17	0.065	4
KID-30	Soil	0.007	<1	62	12	69	<0.3	16	13	683	3.04	5	<2	10	<0.5	<3	<3	50	0.29	0.053	8



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Method	Analyte	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
Unit		ppm	%	ppm	%	ppm	%	%	ppm	%	ppm	ppm	ppm	ppm	ppm
MDL		1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
KID-19	Soil	72	2.63	72	0.031	<20	3.25	<0.01	0.01	<2	<0.05	<1	<5	8	13
KID-20	Soil	17	1.63	81	0.023	<20	2.40	<0.01	0.03	<2	<0.05	<1	<5	5	6
KID-21	Soil	35	1.75	41	0.033	<20	2.36	<0.01	0.01	<2	<0.05	1	<5	<5	<5
KID-22	Soil	46	2.14	55	0.028	<20	2.89	<0.01	0.02	<2	<0.05	<1	<5	<5	7
KID-23	Soil	23	1.64	66	0.038	<20	2.20	<0.01	0.02	<2	<0.05	<1	<5	<5	5
KID-24	Soil	39	1.85	59	0.026	<20	2.45	<0.01	0.01	<2	<0.05	<1	<5	6	9
KID-25	Soil	48	1.93	69	0.038	<20	2.49	<0.01	0.01	<2	<0.05	<1	<5	6	9
KID-26	Soil	28	1.61	65	0.029	<20	2.29	<0.01	0.01	<2	<0.05	<1	<5	6	6
KID-27	Soil	18	1.41	73	0.033	<20	2.03	<0.01	0.01	<2	<0.05	<1	<5	<5	<5
KID-28	Soil	18	1.47	31	0.025	<20	2.14	<0.01	0.01	<2	<0.05	<1	<5	7	6
KID-29	Soil	20	1.33	64	0.031	<20	2.09	<0.01	0.02	<2	<0.05	<1	<5	<5	<5
KID-30	Soil	27	1.06	113	0.028	<20	1.90	<0.01	0.02	<2	<0.05	<1	<5	<5	<5



QUALITY CONTROL REPORT

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Method	FA430	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	
Analyte	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
MDL	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01	0.001	1	
Pulp Duplicates																					
XMD-07	Soil	0.014	2	39	14	115	<0.3	43	12	636	3.59	197	<2	20	<0.5	<3	<3	63	0.25	0.089	15
REP XMD-07	QC		1	39	13	113	<0.3	41	12	634	3.54	194	3	19	<0.5	<3	<3	62	0.25	0.091	14
CIOD-23	Soil	0.039	<1	82	<3	67	<0.3	12	20	665	4.61	3	<2	8	<0.5	<3	<3	106	0.31	0.063	5
REP CIOD-23	QC	0.038																			
CIOD-26	Soil	0.020	<1	80	<3	60	<0.3	16	17	576	4.05	4	<2	9	<0.5	<3	<3	80	0.28	0.052	7
REP CIOD-26	QC	0.028																			
JAS-04	Soil	0.007	<1	61	4	246	<0.3	20	20	852	3.96	4	<2	10	<0.5	<3	<3	56	0.17	0.032	3
REP JAS-04	QC		<1	62	<3	252	<0.3	20	20	858	4.01	4	<2	10	<0.5	<3	<3	57	0.18	0.036	3
KID-06	Soil	0.010	<1	53	9	119	<0.3	19	14	605	3.36	6	3	9	<0.5	<3	<3	63	0.13	0.045	11
REP KID-06	QC		<1	52	9	116	<0.3	18	13	596	3.34	6	2	9	<0.5	<3	<3	61	0.13	0.044	11
KID-20	Soil	0.007	<1	85	5	115	<0.3	14	19	1307	4.13	6	<2	5	<0.5	<3	<3	54	0.15	0.057	5
REP KID-20	QC	0.009																			
KID-22	Soil	0.010	<1	161	8	325	0.4	29	27	1587	4.54	8	2	4	0.9	<3	<3	71	0.19	0.086	4
REP KID-22	QC	0.011																			
Reference Materials																					
STD DS11	Standard		13	145	128	346	1.5	77	12	1037	3.28	43	6	68	2.2	8	11	49	1.06	0.070	17
STD DS11	Standard		14	144	155	336	1.3	76	12	1029	3.10	42	8	69	2.1	6	12	48	1.07	0.072	18
STD DS11	Standard		14	149	143	352	1.6	79	13	1057	3.16	44	8	69	2.2	7	10	49	1.06	0.071	18
STD OREAS45EA	Standard		2	731	13	34	<0.3	415	54	424	23.33	5	5	4	<0.5	<3	<3	322	0.04	0.031	9
STD OREAS45EA	Standard		2	731	13	35	<0.3	421	55	426	24.38	6	6	4	0.7	<3	<3	328	0.04	0.032	9
STD OREAS45EA	Standard		2	731	14	35	<0.3	406	53	422	23.49	6	8	4	<0.5	<3	<3	318	0.04	0.031	9
STD OXC145	Standard	0.221																			
STD OXC145	Standard	0.208																			
STD OXH139	Standard	1.351																			
STD OXH139	Standard	1.283																			
STD OXN134	Standard	8.033																			
STD OXN134	Standard	7.799																			
STD OXN134 Expected		7.667																			



QUALITY CONTROL REPORT

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Method	Analyte	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
MDL		1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
Pulp Duplicates															
XMD-07	Soil	44	0.57	207	0.068	<20	1.75	<0.01	0.07	<2	<0.05	<1	<5	<5	5
REP XMD-07	QC	44	0.56	204	0.067	<20	1.73	<0.01	0.07	<2	<0.05	<1	<5	<5	5
CIOD-23	Soil	18	1.46	77	0.015	<20	2.27	<0.01	0.01	<2	<0.05	<1	<5	5	11
REP CIOD-23	QC														
CIOD-26	Soil	18	1.19	119	0.023	<20	2.28	<0.01	0.02	<2	<0.05	<1	<5	8	8
REP CIOD-26	QC														
JAS-04	Soil	21	2.33	81	0.066	<20	2.54	<0.01	0.02	<2	<0.05	<1	<5	6	<5
REP JAS-04	QC	23	2.36	83	0.065	<20	2.56	<0.01	0.02	<2	<0.05	<1	<5	7	<5
KID-06	Soil	30	1.21	158	0.036	<20	2.21	<0.01	0.03	<2	<0.05	<1	<5	<5	7
REP KID-06	QC	27	1.21	154	0.035	<20	2.20	<0.01	0.03	<2	<0.05	<1	<5	<5	7
KID-20	Soil	17	1.63	81	0.023	<20	2.40	<0.01	0.03	<2	<0.05	<1	<5	5	6
REP KID-20	QC														
KID-22	Soil	46	2.14	55	0.028	<20	2.89	<0.01	0.02	<2	<0.05	<1	<5	<5	7
REP KID-22	QC														
Reference Materials															
STD DS11	Standard	57	0.84	414	0.093	<20	1.15	0.07	0.41	3	0.28	<1	5	<5	<5
STD DS11	Standard	58	0.82	424	0.094	<20	1.17	0.07	0.41	<2	0.28	<1	6	<5	<5
STD DS11	Standard	59	0.84	429	0.094	<20	1.18	0.08	0.41	<2	0.28	<1	6	<5	<5
STD OREAS45EA	Standard	918	0.10	152	0.111	24	3.62	0.02	0.06	<2	<0.05	<1	<5	26	89
STD OREAS45EA	Standard	935	0.10	155	0.107	<20	3.64	0.02	0.06	<2	<0.05	<1	<5	11	91
STD OREAS45EA	Standard	906	0.10	152	0.105	<20	3.56	0.02	0.06	<2	<0.05	<1	<5	8	88
STD OXC145	Standard														
STD OXC145	Standard														
STD OXH139	Standard														
STD OXH139	Standard														
STD OXN134	Standard														
STD OXN134	Standard														
STD OXN134 Expected															



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	FA430	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01	0.001	1
STD OXC145 Expected	0.212																			
STD OXH139 Expected	1.312																			
STD OREAS45EA Expected		1.6	709	14.3	31.4	0.26	381	52	400	22.65	11	10.7	4.05				303	0.036	0.029	7.06
STD DS11 Expected		13.9	156	138	345	1.71	81.9	14.2	1055	3.2082	42.8	7.65	67.3	2.37	7.2	12.2	50	1.063	0.0701	18.6
BLK Blank		<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<1	<0.5	<3	<3	<1	<0.01	<0.001	<1
BLK Blank	<0.005																			
BLK Blank	<0.005																			
BLK Blank	<0.005																			
BLK Blank	0.009																			
BLK Blank		<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<1	<0.5	<3	<3	<1	<0.01	<0.001	<1
BLK Blank		<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<1	<0.5	<3	<3	<1	<0.01	<0.001	<1



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: August 11, 2018

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Part: 2 of 2

QUALITY CONTROL REPORT

WHI18000406.1

		AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc	
ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm	
1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5	
STD OXC145 Expected														
STD OXH139 Expected														
STD OREAS45EA Expected	849	0.095	148	0.0984		3.32	0.02	0.053		0.036		12.4	78	
STD DS11 Expected	61.5	0.85	417	0.0976	6	1.129	0.0694	0.4	2.9	0.2835	0.3	4.9	4.7	3.1
BLK	Blank	1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5
BLK	Blank													
BLK	Blank													
BLK	Blank													
BLK	Blank													
BLK	Blank	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5
BLK	Blank	1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5



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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: Kreft, Bernie

1 Locust Place

Whitehorse Yukon Y1A 5G9 Canada

Submitted By: Bernie Kreft

Receiving Lab: Canada-Whitehorse

Received: June 15, 2018

Report Date: June 28, 2018

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CERTIFICATE OF ANALYSIS

WHI18000109.1

CLIENT JOB INFORMATION

Project: None Given
Shipment ID:
P.O. Number
Number of Samples: 45

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp 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.

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

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
DY060	45	Dry at 60C			WHI
SS80	45	Dry at 60C sieve 100g to -80 mesh			WHI
FA430	45	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
EN002	45	Environmental disposal charge-Fire assay lead waste			VAN
AQ300	45	1:1:1 Aqua Regia digestion ICP-ES analysis	0.5	Completed	VAN
DISPL	45	Disposal of pulps			VAN
SHP01	45	Per sample shipping charges for branch shipments			VAN

ADDITIONAL COMMENTS



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 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: June 28, 2018

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Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI18000109.1

Method Analyte Unit MDL	FA430	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	
	Au ppm	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	
SUJD-01	Soil	0.010	1	30	9	77	<0.3	27	10	392	3.12	22	3	17	<0.5	<3	<3	60	0.18	0.067	13
SUJD-02	Soil	0.027	2	39	9	86	<0.3	29	10	350	3.24	23	4	18	<0.5	<3	<3	61	0.17	0.072	14
SUJD-03	Soil	0.049	2	37	8	82	<0.3	28	9	306	3.04	32	4	19	<0.5	<3	<3	54	0.18	0.080	14
SUJD-04	Soil	0.027	2	37	8	81	<0.3	26	8	260	2.86	52	5	23	<0.5	<3	<3	48	0.18	0.076	14
SUJD-05	Soil	0.019	2	35	12	81	0.4	25	10	475	3.45	53	3	26	<0.5	<3	<3	64	0.18	0.087	12
SUJD-06	Soil	0.012	1	33	8	68	<0.3	25	9	290	2.92	21	5	14	<0.5	<3	<3	55	0.15	0.062	14
SUJD-07	Soil	0.015	2	32	9	63	<0.3	24	8	256	2.97	32	3	16	<0.5	<3	<3	55	0.16	0.064	13
SUJD-08	Soil	0.305	2	40	7	60	<0.3	24	7	256	2.82	37	3	17	<0.5	<3	<3	53	0.19	0.093	14
SUJD-09	Soil	0.033	1	40	10	80	<0.3	30	8	290	2.88	44	3	30	<0.5	<3	<3	53	0.20	0.084	13
SUJD-10	Soil	0.087	2	35	11	87	0.4	30	12	552	3.54	113	4	39	<0.5	<3	<3	68	0.21	0.148	16
SUJD-11	Soil	0.043	1	38	9	85	<0.3	31	10	335	3.08	52	4	28	<0.5	<3	<3	51	0.19	0.085	14
SUJD-12	Soil	0.056	1	27	10	65	<0.3	30	10	361	3.18	29	<2	17	<0.5	<3	<3	67	0.17	0.064	13
JSXD-01	Soil	0.012	1	28	10	67	<0.3	22	8	297	3.03	18	2	13	<0.5	<3	<3	60	0.15	0.065	14
JSXD-02	Soil	0.014	1	26	8	60	<0.3	20	7	250	2.68	24	3	13	<0.5	<3	<3	52	0.15	0.069	13
JSXD-03	Soil	0.015	1	29	9	66	0.4	23	7	269	3.04	18	3	13	<0.5	<3	<3	54	0.13	0.063	13
JSXD-04	Soil	0.010	1	20	8	54	<0.3	18	9	353	2.61	14	4	11	<0.5	<3	<3	49	0.11	0.040	11
JSXD-05	Soil	0.072	2	40	7	65	0.4	25	7	246	3.11	24	5	13	<0.5	<3	<3	42	0.11	0.073	14
JSXD-06	Soil	0.014	1	27	9	46	0.3	18	6	184	2.46	16	3	12	<0.5	<3	<3	50	0.11	0.044	13
JSXD-07	Soil	0.019	1	31	10	73	0.3	25	9	377	3.19	25	3	16	<0.5	<3	<3	61	0.17	0.078	14
JSXD-08	Soil	0.042	2	29	9	61	0.3	22	8	275	3.12	56	3	18	<0.5	<3	<3	55	0.20	0.087	13
JSXD-09	Soil	0.031	2	28	10	51	0.4	17	6	259	3.02	22	<2	17	<0.5	<3	<3	55	0.14	0.087	12
JSXD-10	Soil	0.017	2	27	11	45	0.4	16	5	155	2.66	27	3	20	<0.5	<3	<3	53	0.12	0.086	11
JSXD-11	Soil	0.013	1	44	8	102	<0.3	38	10	448	2.89	19	5	30	<0.5	<3	<3	51	0.24	0.086	17
JSXD-12	Soil	0.035	2	31	14	80	0.3	27	8	357	4.61	122	4	19	<0.5	<3	<3	87	0.10	0.079	13
JSXD-13	Soil	0.009	1	52	7	113	<0.3	56	16	1051	3.24	13	3	14	<0.5	<3	<3	36	0.07	0.051	17
TID-15	Soil	0.006	<1	65	11	78	<0.3	36	19	649	3.60	6	<2	10	<0.5	<3	<3	95	0.20	0.030	5
TID-16	Soil	0.026	<1	106	10	69	<0.3	40	19	921	3.39	5	<2	8	<0.5	<3	<3	78	0.20	0.032	10
TID-17	Soil	0.029	<1	135	43	307	0.6	45	19	986	4.11	4	<2	11	1.4	<3	<3	56	0.38	0.052	8
TID-18	Soil	0.024	1	101	14	191	0.5	38	20	749	4.33	4	<2	14	0.5	<3	<3	55	0.35	0.061	8
TID-19	Soil	0.023	1	88	11	142	0.6	50	15	628	4.40	4	<2	16	<0.5	<3	<3	72	0.27	0.058	10



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: June 28, 2018

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Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI18000109.1

Method	Analyte	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
MDL		1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
SUJD-01	Soil	32	0.49	145	0.061	<20	1.76	<0.01	0.07	<2	<0.05	<1	<5	<5	<5
SUJD-02	Soil	31	0.49	139	0.060	<20	1.79	<0.01	0.07	<2	<0.05	<1	<5	6	<5
SUJD-03	Soil	28	0.42	132	0.059	<20	1.49	<0.01	0.07	<2	<0.05	<1	<5	<5	<5
SUJD-04	Soil	25	0.35	119	0.055	<20	1.06	<0.01	0.07	<2	0.06	<1	<5	<5	<5
SUJD-05	Soil	34	0.45	174	0.049	<20	1.74	<0.01	0.09	<2	0.05	<1	<5	5	<5
SUJD-06	Soil	30	0.48	148	0.056	<20	1.88	<0.01	0.07	<2	<0.05	<1	<5	<5	<5
SUJD-07	Soil	28	0.42	126	0.059	<20	1.58	<0.01	0.06	<2	<0.05	<1	<5	<5	<5
SUJD-08	Soil	28	0.39	118	0.054	<20	1.50	<0.01	0.06	<2	<0.05	<1	<5	<5	<5
SUJD-09	Soil	29	0.41	130	0.049	<20	1.45	<0.01	0.06	<2	<0.05	<1	<5	<5	<5
SUJD-10	Soil	33	0.46	201	0.059	<20	2.01	<0.01	0.08	<2	<0.05	<1	<5	<5	<5
SUJD-11	Soil	28	0.39	110	0.060	<20	1.60	<0.01	0.06	<2	<0.05	<1	<5	<5	<5
SUJD-12	Soil	32	0.48	142	0.066	<20	2.28	<0.01	0.07	<2	<0.05	<1	<5	<5	<5
JSXD-01	Soil	31	0.48	122	0.061	<20	1.90	<0.01	0.07	<2	<0.05	<1	<5	<5	<5
JSXD-02	Soil	25	0.40	106	0.053	<20	1.63	<0.01	0.06	<2	<0.05	<1	<5	<5	<5
JSXD-03	Soil	29	0.41	122	0.047	<20	1.67	<0.01	0.07	<2	<0.05	<1	<5	6	<5
JSXD-04	Soil	22	0.30	87	0.054	<20	1.25	<0.01	0.05	<2	<0.05	<1	<5	<5	<5
JSXD-05	Soil	23	0.26	91	0.043	<20	1.05	<0.01	0.06	<2	<0.05	<1	<5	<5	<5
JSXD-06	Soil	22	0.26	130	0.041	<20	1.44	<0.01	0.05	<2	<0.05	<1	<5	<5	<5
JSXD-07	Soil	32	0.49	135	0.059	<20	1.95	<0.01	0.08	<2	<0.05	<1	<5	<5	<5
JSXD-08	Soil	29	0.46	128	0.057	<20	1.61	<0.01	0.07	<2	<0.05	<1	<5	<5	<5
JSXD-09	Soil	29	0.37	110	0.045	<20	1.58	<0.01	0.07	<2	<0.05	<1	<5	6	<5
JSXD-10	Soil	29	0.32	141	0.032	<20	1.48	<0.01	0.06	<2	0.05	<1	<5	8	<5
JSXD-11	Soil	26	0.35	133	0.061	<20	1.09	<0.01	0.06	<2	<0.05	<1	<5	<5	<5
JSXD-12	Soil	34	0.36	83	0.089	<20	1.58	<0.01	0.07	<2	<0.05	<1	<5	8	<5
JSXD-13	Soil	20	0.18	75	0.027	<20	1.14	<0.01	0.05	<2	<0.05	<1	<5	<5	<5
TID-15	Soil	91	1.61	130	0.028	<20	2.56	<0.01	0.02	<2	<0.05	<1	<5	8	9
TID-16	Soil	85	1.54	154	0.020	<20	2.24	<0.01	0.02	<2	<0.05	<1	<5	5	12
TID-17	Soil	77	1.33	141	0.011	<20	2.05	<0.01	0.02	<2	<0.05	<1	<5	<5	8
TID-18	Soil	57	1.30	166	0.010	<20	1.99	<0.01	0.03	<2	<0.05	<1	<5	<5	7
TID-19	Soil	93	1.41	234	0.012	<20	2.35	<0.01	0.02	<2	<0.05	<1	<5	6	9



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: June 28, 2018

Page: 3 of 3

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI18000109.1

Method	Analyte	FA430	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
MDL		0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01	0.001	
TID-20	Soil	0.017	1	97	11	162	0.5	36	21	715	4.86	4	<2	10	0.7	<3	<3	66	0.26	0.056	6
TID-21	Soil	0.043	2	116	9	296	1.2	75	12	310	5.52	<2	<2	46	0.7	<3	<3	57	0.19	0.061	8
TID-22	Soil	0.027	<1	230	13	198	0.5	59	41	1496	4.80	4	<2	6	1.5	<3	<3	70	0.20	0.053	7
TID-23	Soil	0.021	<1	116	12	135	<0.3	42	24	1101	3.78	7	2	8	0.9	<3	<3	75	0.16	0.037	8
TID-24	Soil	0.036	<1	183	14	218	0.7	42	37	1559	5.89	4	<2	14	1.0	<3	<3	41	0.17	0.061	7
TID-25	Soil	0.018	<1	32	13	68	<0.3	15	9	452	2.76	7	<2	12	<0.5	<3	<3	54	0.18	0.063	10
TID-26	Soil	0.010	<1	61	25	177	<0.3	12	21	1868	3.99	6	<2	4	0.7	<3	<3	73	0.06	0.067	8
TID-27	Soil	0.011	<1	86	30	334	<0.3	15	13	758	3.37	8	<2	8	0.8	<3	<3	58	0.11	0.046	10
TID-28	Soil	0.012	<1	54	11	78	<0.3	20	11	654	2.91	7	<2	10	<0.5	<3	<3	54	0.17	0.039	17
TID-29	Soil	0.018	<1	96	17	138	<0.3	21	18	1122	4.05	6	<2	8	0.7	<3	<3	78	0.14	0.038	15
TID-30	Soil	0.012	<1	54	11	80	<0.3	20	15	914	3.33	7	<2	9	<0.5	<3	<3	59	0.18	0.057	10
TID-31	Soil	0.011	<1	115	9	89	0.4	10	20	1340	4.75	<2	<2	5	<0.5	<3	<3	97	0.24	0.072	10
TID-32	Soil	0.008	<1	81	7	83	<0.3	19	16	748	3.49	4	<2	6	<0.5	<3	<3	63	0.15	0.053	11
TID-33	Soil	0.009	<1	53	7	113	<0.3	12	17	998	4.05	<2	<2	10	<0.5	<3	<3	87	0.28	0.087	7
TID-34	Soil	0.015	<1	97	44	256	<0.3	20	14	685	3.28	8	2	9	<0.5	<3	<3	56	0.12	0.046	14



Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

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

Project: None Given
Report Date: June 28, 2018

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Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI18000109.1

Method	Analyte	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
MDL		1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
TID-20	Soil	50	1.48	82	0.017	<20	2.17	<0.01	0.02	<2	<0.05	<1	<5	<5	9
TID-21	Soil	168	1.54	95	0.003	<20	1.86	0.02	0.04	<2	0.12	<1	<5	<5	11
TID-22	Soil	97	2.02	80	0.012	<20	2.49	<0.01	0.01	<2	<0.05	<1	<5	6	12
TID-23	Soil	79	1.57	121	0.025	<20	2.53	<0.01	0.03	<2	<0.05	<1	<5	7	10
TID-24	Soil	38	1.17	148	0.007	<20	1.65	<0.01	0.02	<2	<0.05	<1	<5	<5	9
TID-25	Soil	27	0.69	159	0.013	<20	1.68	<0.01	0.03	<2	<0.05	<1	<5	7	<5
TID-26	Soil	18	0.98	81	0.020	<20	1.56	<0.01	0.02	<2	<0.05	<1	<5	6	5
TID-27	Soil	23	0.84	150	0.024	<20	1.93	<0.01	0.03	<2	<0.05	<1	<5	6	<5
TID-28	Soil	24	0.90	151	0.044	<20	1.65	<0.01	0.04	<2	<0.05	<1	<5	<5	8
TID-29	Soil	25	0.94	200	0.022	<20	1.82	<0.01	0.03	<2	<0.05	<1	<5	<5	11
TID-30	Soil	26	1.10	146	0.028	<20	1.93	<0.01	0.03	<2	<0.05	<1	<5	<5	5
TID-31	Soil	3	1.66	104	0.005	<20	2.43	<0.01	0.02	<2	<0.05	<1	<5	8	18
TID-32	Soil	27	1.49	127	0.018	<20	2.00	<0.01	0.02	<2	<0.05	<1	<5	<5	8
TID-33	Soil	8	1.38	87	0.010	<20	2.07	<0.01	0.02	<2	<0.05	<1	<5	6	12
TID-34	Soil	25	0.85	143	0.033	<20	1.76	<0.01	0.04	<2	<0.05	<1	<5	<5	7



QUALITY CONTROL REPORT

WHI18000109.1

Method	FA430	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	
Analyte	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
MDL	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01	0.001	1	
Pulp Duplicates																					
TID-23	Soil	0.021	<1	116	12	135	<0.3	42	24	1101	3.78	7	2	8	0.9	<3	<3	75	0.16	0.037	8
REP TID-23	QC		<1	114	13	131	<0.3	40	23	1064	3.68	6	2	8	0.8	<3	<3	72	0.16	0.036	8
TID-29	Soil	0.018	<1	96	17	138	<0.3	21	18	1122	4.05	6	<2	8	0.7	<3	<3	78	0.14	0.038	15
REP TID-29	QC	0.027																			
TID-34	Soil	0.015	<1	97	44	256	<0.3	20	14	685	3.28	8	2	9	<0.5	<3	<3	56	0.12	0.046	14
REP TID-34	QC		<1	97	51	254	<0.3	20	14	674	3.26	9	<2	9	<0.5	<3	<3	55	0.12	0.047	14
Reference Materials																					
STD DS11	Standard		14	155	140	360	1.8	81	14	1053	3.17	43	7	67	2.2	6	10	52	1.09	0.073	18
STD DS11	Standard		14	150	139	352	1.9	79	13	1031	3.18	45	6	65	2.3	5	10	51	1.07	0.072	17
STD OREAS45EA	Standard		2	725	16	34	0.5	405	54	418	22.49	6	7	4	<0.5	<3	<3	321	0.04	0.031	8
STD OREAS45EA	Standard		2	723	15	34	0.5	407	54	419	23.05	5	7	4	<0.5	<3	<3	324	0.04	0.031	8
STD OXC145	Standard	0.211																			
STD OXH139	Standard	1.310																			
STD OXN134	Standard	7.824																			
STD OXN134 Expected		7.667																			
STD OXC145 Expected		0.212																			
STD OXH139 Expected		1.312																			
STD OREAS45EA Expected			1.6	709	14.3	31.4	0.26	381	52	400	22.65	11	10.7	4.05				303	0.036	0.029	7.06
STD DS11 Expected			13.9	156	138	345	1.71	81.9	14.2	1055	3.2082	42.8	7.65	67.3	2.37	7.2	12.2	50	1.063	0.0701	18.6
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
BLK	Blank		<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<1	<0.5	<3	<3	<1	<0.01	<0.001	<1
BLK	Blank		<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<1	<0.5	<3	<3	<1	<0.01	<0.001	<1



QUALITY CONTROL REPORT

WHI18000109.1

Method	Analyte	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
MDL		1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
Pulp Duplicates															
TID-23	Soil	79	1.57	121	0.025	<20	2.53	<0.01	0.03	<2	<0.05	<1	<5	7	10
REP TID-23	QC	77	1.52	116	0.024	<20	2.44	<0.01	0.03	<2	<0.05	<1	<5	5	9
TID-29	Soil	25	0.94	200	0.022	<20	1.82	<0.01	0.03	<2	<0.05	<1	<5	<5	11
REP TID-29	QC														
TID-34	Soil	25	0.85	143	0.033	<20	1.76	<0.01	0.04	<2	<0.05	<1	<5	<5	7
REP TID-34	QC	25	0.84	143	0.032	<20	1.74	<0.01	0.04	<2	<0.05	<1	<5	6	7
Reference Materials															
STD DS11	Standard	61	0.86	381	0.092	<20	1.18	0.07	0.41	2	0.29	<1	6	<5	<5
STD DS11	Standard	58	0.84	378	0.088	<20	1.11	0.07	0.40	3	0.29	<1	7	6	<5
STD OREAS45EA	Standard	922	0.10	152	0.102	<20	3.39	0.02	0.06	<2	<0.05	<1	<5	15	85
STD OREAS45EA	Standard	925	0.10	154	0.103	<20	3.43	0.02	0.06	<2	<0.05	<1	<5	16	87
STD OXC145	Standard														
STD OXH139	Standard														
STD OXN134	Standard														
STD OXN134 Expected															
STD OXC145 Expected															
STD OXH139 Expected															
STD OREAS45EA Expected		849	0.095	148	0.0984		3.32	0.02	0.053		0.036			12.4	78
STD DS11 Expected		61.5	0.85	417	0.0976	6	1.129	0.0694	0.4	2.9	0.2835	0.3	4.9	4.7	3.1
BLK	Blank														
BLK	Blank														
BLK	Blank	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5
BLK	Blank	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5



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-Whitehorse
Received: May 28, 2018
Report Date: June 08, 2018
Page: 1 of 2

CERTIFICATE OF ANALYSIS

WHI18000067.1

CLIENT JOB INFORMATION

Project: None Given
Shipment ID:
P.O. Number
Number of Samples: 14

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp 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.

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

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
DY060	14	Dry at 60C			WHI
SS80	14	Dry at 60C sieve 100g to -80 mesh			WHI
FA430	14	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
EN002	14	Environmental disposal charge-Fire assay lead waste			VAN
AQ300	14	1:1:1 Aqua Regia digestion ICP-ES analysis	0.5	Completed	VAN
DISPL	14	Disposal of pulps			VAN
SHP01	14	Per sample shipping charges for branch shipments			VAN

ADDITIONAL COMMENTS



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 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: June 08, 2018

Page: 2 of 2

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI18000067.1

Method	Analyte	FA430	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
MDL		0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01	0.001	1
TID-01	Soil	<0.005	<1	51	<3	57	<0.3	14	17	778	3.65	5	<2	8	<0.5	<3	<3	84	0.21	0.045	6
TID-02	Soil	<0.005	<1	68	<3	61	<0.3	20	22	1099	4.50	5	<2	7	<0.5	<3	<3	136	0.31	0.069	7
TID-03	Soil	0.006	<1	70	<3	59	<0.3	14	21	788	4.12	4	<2	8	<0.5	<3	<3	105	0.19	0.042	6
TID-04	Soil	0.013	<1	93	6	96	0.3	20	30	1563	5.07	4	2	5	<0.5	<3	<3	98	0.11	0.045	9
TID-05	Soil	0.008	<1	101	<3	102	0.4	21	24	1425	5.17	5	<2	6	<0.5	<3	<3	106	0.08	0.038	10
TID-06	Soil	0.006	<1	107	3	115	0.5	26	42	2730	7.37	3	<2	5	<0.5	<3	<3	123	0.13	0.043	9
TID-07	Soil	0.005	<1	117	8	70	<0.3	16	27	1114	4.83	3	<2	3	<0.5	<3	<3	118	0.04	0.033	11
TID-08	Soil	0.008	<1	83	<3	85	<0.3	24	34	1643	5.90	3	<2	6	<0.5	<3	<3	126	0.75	0.039	7
TID-09	Soil	0.012	<1	84	<3	72	<0.3	12	20	1598	4.57	<2	4	6	<0.5	<3	<3	98	0.13	0.055	16
TID-10	Soil	<0.005	<1	55	<3	71	<0.3	12	17	632	4.97	2	<2	2	<0.5	<3	<3	93	0.05	0.022	5
TID-11	Soil	0.019	<1	54	3	87	<0.3	15	12	338	3.96	4	2	19	<0.5	<3	<3	58	0.07	0.044	10
TID-12	Soil	0.023	4	104	<3	34	<0.3	8	13	148	4.86	4	2	16	<0.5	<3	<3	43	0.04	0.058	8
TID-13	Soil	0.045	3	104	4	243	1.4	76	14	317	5.97	4	3	18	0.8	<3	<3	54	0.16	0.068	7
TID-14	Soil	0.066	<1	86	<3	60	<0.3	8	16	1394	4.03	<2	<2	4	<0.5	<3	<3	87	0.21	0.075	9



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: June 08, 2018

Page: 2 of 2

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI1800067.1

Method	Analyte	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
Unit		ppm	%	ppm	%	ppm	%	%	ppm	%	ppm	ppm	ppm	ppm	
MDL		1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	
TID-01	Soil	15	1.06	125	0.026	<20	1.78	<0.01	0.03	<2	<0.05	<1	<5	6	8
TID-02	Soil	11	1.05	149	0.014	<20	1.74	<0.01	0.02	<2	<0.05	<1	<5	<5	18
TID-03	Soil	13	1.83	97	0.032	<20	2.33	<0.01	0.02	<2	<0.05	<1	<5	6	10
TID-04	Soil	16	0.91	76	0.009	<20	1.44	<0.01	0.01	<2	<0.05	<1	<5	<5	17
TID-05	Soil	17	1.03	51	0.009	<20	1.60	<0.01	0.01	<2	<0.05	<1	<5	<5	19
TID-06	Soil	14	0.88	58	0.004	<20	1.24	<0.01	0.01	<2	<0.05	<1	<5	<5	31
TID-07	Soil	15	1.37	42	0.005	<20	1.85	<0.01	<0.01	<2	<0.05	<1	<5	6	23
TID-08	Soil	9	0.48	110	0.012	<20	1.04	<0.01	0.02	<2	<0.05	<1	<5	<5	22
TID-09	Soil	10	1.07	171	0.007	<20	1.72	<0.01	0.01	<2	<0.05	<1	<5	<5	15
TID-10	Soil	12	0.75	64	0.002	<20	1.60	<0.01	0.01	<2	<0.05	<1	<5	<5	14
TID-11	Soil	18	1.32	139	0.012	<20	1.99	<0.01	0.03	<2	<0.05	<1	<5	<5	7
TID-12	Soil	14	0.54	91	0.034	<20	0.93	<0.01	0.02	<2	<0.05	<1	<5	<5	5
TID-13	Soil	163	1.44	84	0.007	<20	1.59	<0.01	0.02	<2	<0.05	<1	<5	<5	8
TID-14	Soil	7	1.52	84	0.005	<20	2.14	<0.01	0.01	<2	<0.05	<1	<5	6	13



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: June 08, 2018

Page: 1 of 1

Part: 1 of 2

QUALITY CONTROL REPORT

WHI18000067.1

Method	FA430	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	
Analyte	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
MDL	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01	0.001	1	
Pulp Duplicates																					
TID-10	Soil	<0.005	<1	55	<3	71	<0.3	12	17	632	4.97	2	<2	2	<0.5	<3	<3	93	0.05	0.022	5
REP TID-10	QC		<1	57	<3	72	<0.3	12	17	649	5.09	2	2	2	<0.5	<3	<3	95	0.05	0.023	5
Reference Materials																					
STD DS11	Standard		13	140	115	324	1.6	74	13	952	2.95	39	6	59	2.2	8	10	48	0.99	0.068	16
STD OREAS45EA	Standard		<1	670	20	31	0.4	379	55	388	20.66	10	8	3	0.9	<3	3	301	0.03	0.031	8
STD OXC145	Standard	0.210																			
STD OXH139	Standard	1.329																			
STD OXN134	Standard	7.791																			
STD OXN134 Expected		7.667																			
STD OXC145 Expected		0.212																			
STD OXH139 Expected		1.312																			
STD OREAS45EA Expected			1.6	709	14.3	31.4	0.26	381	52	400	22.65	11	10.7	4.05				303	0.036	0.029	7.06
STD DS11 Expected			13.9	156	138	345	1.71	81.9	14.2	1055	3.2082	42.8	7.65	67.3	2.37	7.2	12.2	50	1.063	0.0701	18.6
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
BLK	Blank		<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<1	<0.5	<3	<3	<1	<0.01	<0.001	<1



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: June 08, 2018

Page: 1 of 1

Part: 2 of 2

QUALITY CONTROL REPORT

WHI1800067.1

Method	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc	
Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm	
MDL	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5	
Pulp Duplicates															
TID-10	Soil	12	0.75	64	0.002	<20	1.60	<0.01	0.01	<2	<0.05	<1	<5	<5	14
REP TID-10	QC	12	0.77	66	0.002	<20	1.63	<0.01	0.01	<2	<0.05	<1	<5	<5	15
Reference Materials															
STD DS11	Standard	56	0.78	403	0.081	<20	1.03	0.07	0.38	<2	0.27	<1	<5	6	<5
STD OREAS45EA	Standard	874	0.09	146	0.095	<20	3.14	0.02	0.06	<2	<0.05	<1	<5	23	81
STD OXC145	Standard														
STD OXH139	Standard														
STD OXN134	Standard														
STD OXN134 Expected															
STD OXC145 Expected															
STD OXH139 Expected															
STD OREAS45EA Expected		849	0.095	148	0.0984		3.32	0.02	0.053		0.036		12.4	78	
STD DS11 Expected		61.5	0.85	417	0.0976	6	1.129	0.0694	0.4	2.9	0.2835	0.3	4.9	4.7	3.1
BLK	Blank														
BLK	Blank														
BLK	Blank	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5



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Canada

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: Kreft, Bernie

1 Locust Place

Whitehorse Yukon Y1A 5G9 Canada

Submitted By: Bernie Kreft

Receiving Lab: Canada-Whitehorse

Received: July 03, 2018

Report Date: July 25, 2018

Page: 1 of 2

CERTIFICATE OF ANALYSIS

WHI18000231.1

CLIENT JOB INFORMATION

Project: None Given
Shipment ID:
P.O. Number
Number of Samples: 12

SAMPLE DISPOSAL

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

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

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

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	12	Crush, split and pulverize 250 g rock to 200 mesh			WHI
FA430	12	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
EN002	12	Environmental disposal charge-Fire assay lead waste			VAN
AQ300	12	1:1:1 Aqua Regia digestion ICP-ES analysis	0.5	Completed	VAN
SHP01	12	Per sample shipping charges for branch shipments			VAN

ADDITIONAL COMMENTS



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 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: July 25, 2018

Page: 2 of 2

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI18000231.1

Method	WGHT	FA430	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01	0.001	
DIDR-01	Rock	0.54	0.016	1	48	<3	82	<0.3	5	15	666	3.72	5	2	7	1.2	<3	<3	19	1.02	0.069
DIDR-02	Rock	0.48	0.581	<1	118	6	103	0.6	16	31	1305	6.00	9	<2	65	1.0	<3	<3	65	4.36	0.050
DIDR-03	Rock	0.22	0.009	<1	69	11	55	<0.3	5	13	6938	6.48	<2	<2	299	1.5	<3	<3	34	21.52	0.013
DIDR-04	Rock	0.76	0.025	<1	129	3	61	0.4	9	21	1537	4.51	8	<2	18	0.6	<3	<3	39	2.40	0.061
DIDR-05	Rock	0.38	0.010	<1	212	16	196	0.4	10	15	837	11.57	3	<2	4	0.8	<3	<3	44	0.06	0.072
DIDR-06	Rock	0.21	<0.005	<1	14	<3	49	<0.3	2	<1	117	0.98	<2	<2	1	<0.5	<3	<3	8	0.06	0.015
DIDR-07	Rock	0.13	<0.005	<1	53	14	295	<0.3	6	10	411	4.44	<2	<2	5	<0.5	<3	<3	33	0.05	0.041
DDR-01	Rock	0.20	<0.005	<1	22	9	11	<0.3	5	5	502	1.76	13	<2	2	<0.5	<3	<3	9	0.07	0.023
DDR-02	Rock	0.50	0.049	<1	78	8	115	<0.3	12	16	1043	2.28	4	<2	6	2.7	<3	<3	20	0.86	0.046
DDR-03	Rock	0.61	0.066	5	60	15	36	1.3	15	15	483	5.56	17	<2	35	<0.5	<3	<3	81	0.35	0.029
BKNR-01	Rock	0.75	<0.005	<1	53	8	165	<0.3	26	29	991	4.17	<2	<2	31	0.9	<3	<3	67	3.76	0.050
BKNR-02	Rock	0.35	0.013	<1	100	11	191	0.4	58	20	1416	3.07	<2	<2	43	2.2	<3	<3	50	5.83	0.035



Bureau Veritas Commodities Canada Ltd.

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PHONE (604) 253-3158

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

Project: None Given
Report Date: July 25, 2018

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Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI18000231.1

Method	Analyte	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	%	ppm	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	
DIDR-01	Rock	17	5	0.87	130	0.003	<20	1.46	0.02	0.16	<2	<0.05	<1	<5	<5	6
DIDR-02	Rock	4	14	1.54	107	0.005	<20	2.30	0.02	0.12	<2	0.11	<1	<5	5	12
DIDR-03	Rock	1	10	2.09	12	0.017	<20	1.52	<0.01	<0.01	<2	<0.05	<1	7	<5	8
DIDR-04	Rock	5	7	0.80	140	0.002	<20	1.41	0.02	0.09	<2	<0.05	<1	<5	<5	9
DIDR-05	Rock	3	12	1.23	90	0.004	<20	1.79	0.02	0.11	<2	0.06	<1	<5	<5	<5
DIDR-06	Rock	<1	3	0.31	14	0.001	<20	0.37	0.01	0.02	<2	<0.05	<1	<5	<5	<5
DIDR-07	Rock	2	10	0.92	83	0.004	<20	1.22	0.03	0.14	<2	0.06	<1	<5	<5	<5
DDR-01	Rock	1	8	0.14	46	0.002	<20	0.30	<0.01	0.05	<2	<0.05	<1	<5	<5	<5
DDR-02	Rock	3	9	0.63	81	0.002	<20	0.89	0.02	0.12	<2	0.08	<1	<5	<5	<5
DDR-03	Rock	<1	24	1.51	593	0.324	<20	1.90	0.02	0.01	<2	<0.05	<1	<5	<5	<5
BKNR-01	Rock	3	35	2.28	39	0.006	<20	2.63	<0.01	0.07	<2	0.74	<1	<5	6	7
BKNR-02	Rock	2	83	2.09	44	0.004	<20	2.07	0.02	0.07	<2	0.59	<1	<5	<5	9



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

Project: None Given
Report Date: July 25, 2018

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Part: 1 of 2

QUALITY CONTROL REPORT

WHI18000231.1

Method	WGHT	FA430	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01	0.001	
Reference Materials																					
STD DS11 Standard			16	159	143	358	1.7	83	14	1097	3.39	46	8	70	2.3	6	11	52	1.11	0.075	
STD OREAS45EA Standard			2	737	25	35	0.4	421	56	433	24.77	5	7	4	<0.5	<3	<3	336	0.04	0.034	
STD OXC145 Standard		0.215																			
STD OXH139 Standard		1.321																			
STD OXN134 Standard		7.676																			
STD OXN134 Expected		7.667																			
STD OXC145 Expected		0.212																			
STD OXH139 Expected		1.312																			
STD OREAS45EA Expected			1.6	709	14.3	31.4	0.26	381	52	400	22.65	11	10.7	4.05				303	0.036	0.029	
STD DS11 Expected			13.9	156	138	345	1.71	81.9	14.2	1055	3.2082	42.8	7.65	67.3	2.37	7.2	12.2	50	1.063	0.0701	
BLK Blank		<0.005																			
BLK Blank		<0.005																			
BLK Blank			<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<1	<0.5	<3	<3	<1	<0.01	<0.001	
Prep Wash																					
ROCK-WHI Prep Blank		<0.005	1	3	<3	34	<0.3	<1	3	528	1.81	<2	<2	22	<0.5	<3	<3	21	0.58	0.039	
ROCK-WHI Prep Blank		<0.005	1	2	<3	33	<0.3	<1	3	512	1.69	<2	<2	30	<0.5	<3	<3	21	0.67	0.039	



QUALITY CONTROL REPORT

WHI18000231.1

Method	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
MDL	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
Reference Materials															
STD DS11 Standard	18	62	0.88	452	0.095	<20	1.22	0.07	0.42	3	0.30	<1	6	<5	<5
STD OREAS45EA Standard	9	948	0.10	162	0.105	<20	3.62	0.02	0.06	<2	<0.05	<1	<5	16	91
STD OXC145 Standard															
STD OXH139 Standard															
STD OXN134 Standard															
STD OXN134 Expected															
STD OXC145 Expected															
STD OXH139 Expected															
STD OREAS45EA Expected	7.06	849	0.095	148	0.0984		3.32	0.02	0.053		0.036			12.4	78
STD DS11 Expected	18.6	61.5	0.85	417	0.0976	6	1.129	0.0694	0.4	2.9	0.2835	0.3	4.9	4.7	3.1
BLK Blank															
BLK Blank															
BLK Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5
Prep Wash															
ROCK-WHI Prep Blank	5	3	0.49	66	0.070	<20	0.92	0.09	0.11	<2	<0.05	<1	<5	<5	<5
ROCK-WHI Prep Blank	5	3	0.49	58	0.066	<20	0.93	0.07	0.09	<2	<0.05	<1	<5	<5	<5



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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

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

Submitted By: Bernie Kreft
Receiving Lab: Canada-Whitehorse
Received: August 20, 2018
Report Date: September 26, 2018
Page: 1 of 2

CERTIFICATE OF ANALYSIS

WHI18000679.1

CLIENT JOB INFORMATION

Project: None Given
Shipment ID:
P.O. Number
Number of Samples: 1

SAMPLE DISPOSAL

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

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

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

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	1	Crush, split and pulverize 250 g rock to 200 mesh			WHI
FA430	1	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
EN002	1	Environmental disposal charge-Fire assay lead waste			VAN
AQ300	1	1:1:1 Aqua Regia digestion ICP-ES analysis	0.5	Completed	VAN
SHP01	1	Per sample shipping charges for branch shipments			VAN

ADDITIONAL COMMENTS


JEFFREY CANNON
Geochemistry Department Supervisor

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



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PHONE (604) 253-3158

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

Project: None Given
Report Date: September 26, 2018

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Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI18000679.1

Method	WGHT	FA430	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01	0.001	
KIR-01	Rock	0.71	0.007	<1	38	13	194	0.4	5	7	796	2.07	12	<2	25	4.3	<3	<3	15	1.32	0.053



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

Project: None Given
Report Date: September 26, 2018

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CERTIFICATE OF ANALYSIS

WHI18000679.1

Method	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
MDL	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
KIR-01	Rock	7	5	0.64	127	0.003	<20	0.92	0.02	0.13	<2	0.27	<1	<5	<5



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: September 26, 2018

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Part: 1 of 2

QUALITY CONTROL REPORT

WHI18000679.1

Method	WGHT	FA430	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01	0.001	
Reference Materials																					
STD DS11 Standard			13	148	124	342	1.1	75	13	1000	3.10	43	7	63	2.4	7	9	49	1.02	0.071	
STD OREAS45EA Standard			1	664	13	32	<0.3	359	48	382	19.83	4	7	3	1.0	<3	<3	291	0.04	0.029	
STD OXC145 Standard		0.204																			
STD OXH139 Standard		1.273																			
STD OXN134 Standard		7.566																			
STD OXN134 Expected		7.667																			
STD OXC145 Expected		0.212																			
STD OXH139 Expected		1.312																			
STD OREAS45EA Expected			1.6	709	14.3	31.4	0.26	381	52	400	22.65	11	10.7	4.05				303	0.036	0.029	
STD DS11 Expected			13.9	156	138	345	1.71	81.9	14.2	1055	3.2082	42.8	7.65	67.3	2.37	7.2	12.2	50	1.063	0.0701	
BLK Blank		<0.005																			
BLK Blank		<0.005																			
BLK Blank			<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<1	<0.5	<3	<3	<1	<0.01	<0.001	
Prep Wash																					
ROCK-WHI Prep Blank		<0.005	<1	3	<3	32	<0.3	<1	3	509	1.60	<2	<2	19	<0.5	<3	<3	18	0.62	0.038	



QUALITY CONTROL REPORT

WHI18000679.1

Method	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
MDL	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
Reference Materials															
STD DS11 Standard	16	58	0.82	410	0.084	<20	1.10	0.07	0.39	3	0.29	<1	5	<5	<5
STD OREAS45EA Standard	7	842	0.09	142	0.086	<20	3.07	0.02	0.05	<2	<0.05	<1	<5	24	79
STD OXC145 Standard															
STD OXH139 Standard															
STD OXN134 Standard															
STD OXN134 Expected															
STD OXC145 Expected															
STD OXH139 Expected															
STD OREAS45EA Expected	7.06	849	0.095	148	0.0984		3.32	0.02	0.053		0.036			12.4	78
STD DS11 Expected	18.6	61.5	0.85	417	0.0976	6	1.129	0.0694	0.4	2.9	0.2835	0.3	4.9	4.7	3.1
BLK Blank															
BLK Blank															
BLK Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5
Prep Wash															
ROCK-WHI Prep Blank	4	<1	0.49	41	0.050	<20	0.87	0.05	0.06	<2	<0.05	<1	<5	<5	<5



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To: KREFT, BERNIE
#1 LOCUST PLACE
WHITEHORSE YT Y1A 5G9

Page: 1
Total # Pages: 2 (A - C)
Plus Appendix Pages
Finalized Date: 12- DEC- 2018
Account: KREBER

CERTIFICATE VAI8308636

This report is for 16 Pulp samples submitted to our lab in Vancouver, BC, Canada on 4- DEC- 2018.

The following have access to data associated with this certificate:

BERNIE KREFT

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-IC741	35 Element Aqua Regia ICP-AES	ICP-AES
Ag-OG46	Ore Grade Ag - Aqua Regia	
ME-OG46	Ore Grade Elements - AquaRegia	ICP-AES
Pb-OG46	Ore Grade Pb - Aqua Regia	

This is the final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

*** See Appendix Page for comments regarding this certificate ***

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
 Total # Pages: 2 (A - C)
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 Account: KREBER

CERTIFICATE OF ANALYSIS VA18308636

Sample Description	Method Analyte Units LOD	ME-ICP41	ME-MPA1	ME-ICP41	ME-ICP41	ME-MPA1	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-MPA1	
		Ag ug/g	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Br %	Ca ppm	Co ppm	Cr ppm	Cu ppm	Pb %	Ce ppm	Ig ppm
T118-01		0.2	0.01	2	<10	70	<0.5	<2	0.11	1.0	31	8	199	4.82	<10	<1
T118-02		0.5	2.77	10	<10	80	<0.5	<2	0.13	2.7	58	11	225	5.83	10	<1
T118-03		0.7	2.05	7	<10	80	<0.5	<2	0.07	7.0	33	9	166	5.25	<10	<1
T118-04		0.6	1.98	6	<10	70	<0.5	<2	0.09	3.2	29	12	192	5.48	<10	<1
T118-05		1.0	2.30	7	<10	70	<0.5	<2	0.09	5.4	30	13	285	5.59	<10	1
T118-06		0.5	2.43	7	<10	80	<0.5	<2	0.14	2.0	21	24	192	4.73	10	<1
T118-07		0.8	2.25	8	<10	100	<0.5	<2	0.08	1.4	20	12	155	8.06	10	1
T118-08		0.4	2.12	4	<10	80	<0.5	<2	0.12	10.4	46	6	193	4.48	<10	1
T118-09		0.4	2.84	8	<10	60	<0.5	<2	0.08	1.2	22	9	136	4.87	<10	2
T118-10		0.6	1.93	7	<10	80	<0.5	<2	0.05	1.5	14	8	154	5.57	<10	1
T118-11		0.7	1.39	6	<10	80	<0.5	2	0.03	<0.5	7	8	184	5.92	<10	1
T118-12		0.6	1.72	3	<10	80	<0.5	2	0.21	4.1	21	9	215	8.08	<10	2
T118-13		0.7	2.12	6	<10	90	<0.5	<2	0.05	6.2	19	25	255	5.27	<10	1
T118-14		0.6	4.19	<2	<10	100	<0.5	<2	0.19	10.4	81	16	346	6.32	10	1
T118-02		>100	0.26	453	<10	70	<0.5	2	0.05	15.4	4	4	933	3.02	<10	2
T118-04		>100	0.40	389	<10	110	<0.5	2	0.08	31.0	6	7	2340	4.74	<10	4



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To: KREFT, BERNIE
 #1 LOCUST PLACE
 WHITEHORSE YT Y1A 5G9

Page: 2 - B
 Total # Pages: 2 (A - C)
 Plus: Appendix Pages
 Finalized Date: 12-DEC-2018
 Account: KREBER

CERTIFICATE OF ANALYSIS VA18308636

Sample Description	Method Analyte Unit LOD	ME-ICP#1	ME-NPA#1	ME-ICP#1	ME-ICP#1	ME-ICP#1	ME-ICP#1	ME-ICP#1	ME-ICP#1	ME-ICP#1	ME-ICP#1	ME-ICP#1	ME-ICP#1	ME-ICP#1	ME-ICP#1	
		K % 0.01	Li ppm 10	Mg % 0.01	Mn ppm 3	Mo ppm 1	Na % 0.01	Ni ppm 3	P ppm 10	Pb ppm 2	S % 0.01	Se ppm 2	Si ppm 1	Str ppm 1	Ti ppm 20	Tl ppm 0.01
T1 88-01		0.06	<10	1.54	1295	1	0.03	15	578	>0	0.12	<10	5	4	<10	<0.01
T1 88-02		0.71	<10	2.24	1615	1	0.03	21	540	24	0.23	<10	7	5	<10	<0.01
T1 88-03		0.60	<10	1.75	1890	2	0.03	16	510	1.7	0.16	<10	4	7	<10	<0.01
T1 88-04		0.71	<10	1.66	1400	3	0.03	17	530	20	0.22	<10	5	5	<10	<0.01
T1 88-05		0.10	<10	2.06	1170	3	0.08	19	500	50	0.07	6	5	5	<10	<0.01
T1 88-06		0.11	<10	2.07	991	1	0.03	19	530	23	0.03	3	5	6	<10	<0.01
T1 88-07		0.71	<10	1.81	980	2	0.08	19	500	42	0.08	<10	8	5	<10	<0.01
T1 88-08		0.12	10	1.64	2980	1	0.03	17	619	29	0.21	5	6	6	<10	<0.01
T1 88-09		0.71	<10	1.51	1255	1	0.02	10	560	58	0.07	6	5	6	<10	<0.01
T1 88-10		0.09	<10	1.58	606	2	0.03	12	990	51	0.05	3	5	6	<10	<0.01
T1 88-11		0.08	<10	1.71	374	5	0.04	9	470	21	0.19	<10	5	4	<10	<0.01
T1 88-12		0.71	<10	1.38	1315	2	0.04	14	510	24	0.14	3	5	5	<10	<0.01
T1 88-13		0.09	<10	1.23	2300	2	0.04	27	490	14	0.19	<10	6	4	<10	<0.01
T1 88-14		0.71	10	2.82	3296	<1	0.03	46	520	11	0.71	3	13	8	<10	0.01
T1 88-01		0.71	<10	0.64	133	1	0.01	3	130	>10000	0.19	1070	2	4	<10	<0.01
T1 88-04		0.17	<10	0.07	151	1	0.01	7	230	>16000	0.21	1550	8	6	<10	<0.01



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CERTIFICATE OF ANALYSIS VA18308636

Sample Description	Method Analyte Units LOD	ME-ICP-A1	ME-ICP-A1	ME-ICP-A1	ME-ICP-A1	ME-ICP-A1	Ag-CCL-6	Pb-CCL-6
		Tl ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2	% com 1	% 0.001
T1 85-01		<10	<10	54	<10	209		
T1 85-02		<10	<10	49	<10	657		
T1 85-03		<10	<10	37	<10	783		
T1 85-04		<10	<10	26	<10	684		
T1 85-05		<10	<10	46	<10	830		
T1 85-06		<10	<10	47	<10	664		
T1 85-07		<10	<10	50	<10	830		
T1 85-08		<10	<10	38	<10	785		
T1 85-09		<10	<10	35	<10	821		
T1 85-10		<10	<10	57	<10	501		
T1 85-11		<10	<10	31	<10	377		
T1 85-12		<10	<10	37	<10	389		
T1 85-13		<10	<10	40	<10	677		
T1 85-14		<10	<10	60	<10	983		
T1 85-02		<10	<10	6	<10	915	435	1.565
T1 85-04		<10	<10	14	<10	2.120	389	2.47



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CERTIFICATE OF ANALYSIS VA18308636

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method: Processed at: ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada
Ag-OC46 FND-02 ME-ICP41 ME-OC46
Pb-OC46



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CERTIFICATE VA18270457

This report is for 159 Pulp samples submitted to our lab in Vancouver, BC, Canada on 26-OCT-2018.

The following have access to data associated with this certificate:

BERNIE KREFT

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-24	Pulp Login - Red w/o Barcode
SPL-34	Pulp Splitting Charge
LOG-OC	OC Test on Received Samples
BAC-01	Bulk Master for Storage

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
Au-CRA21	Au 30g FA-CRAV finish	WST-S01

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

*** See Appendix Page for comments regarding this certificate ***

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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CERTIFICATE OF ANALYSIS VA18270457

Sample Description	Method Analyte Units LOD	WD-21	21-2221	45-02221
		Reord Wt. kg 0.02	As Au ppm 0.005	As Au ppm 0.05
ROCK-WH-A		0.50		
ROCK-WH-B		0.48		
T181-01		0.30	0.019	
T181-02		0.46	<0.005	
T181-03		0.52	0.007	
T181-04		0 0.43	0.055	
T181-05		0.50	0.012	
T181-06		0.52	0.377	
T181-07		0.48	0.018	
T181-08		0.48	1.120	
T181-09		0.45	0.012	
T182-01		0.48	0.009	
T182-02		0.46	0.007	
T182-03		0.44	0.022	
T183-01		0.46	0.007	
T183-02		0.50	0.030	
T183-03		0.46	0.013	
T183-04		0.48	0.014	
T183-04D		0.50		
T183-05		0.48	0.019	
T183-06		0.42	0.007	
T183-07		0.44	0.057	
T183-08		0.48	0.025	
T183-09		0.46	0.017	
T183-10		0.48	0.016	
T184-01		0.50	0.005	
T184-02		0.06	0.202	
T184-03		0.46	0.005	
T184-04		0.48	0.030	
T184-05		0.44	0.010	
T184-06		0.52	0.065	
T184-07		0.44	0.037	
T185-01		0.44	0.023	
T185-02		0.48	0.027	
T185-03		0.48	0.019	
T185-04		0.50	0.020	
T185-05		0.44	0.031	
T185-06		0.54	0.021	
T185-07		0.44	0.016	
T185-08		0.46	0.015	



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CERTIFICATE OF ANALYSIS VA18270457

Sample Description	Method Analyte Units LOD	WB-21	AL-2A23	SC-C2A21
		Reed Wt. kg	AU g/g	Ab cc/m
		0.02	0.025	0.03
T186-01		0.46	0.014	
T186-02		0.44	0.014	
T186-03		0.52	0.009	
T187-01		0.52	0.036	
T187-02		0.56	0.094	
T187-03		0.54	0.242	
T187-04		0.55	0.044	
T187-05		0.48	0.022	
T187-06		0.54	0.031	
T187-07		0.52	0.009	
T187-08		0.55	0.048	
T188-01		0.58	0.016	
T188-02		0.54	0.027	
T188-02D		0.52		
T188-03		0.48	0.026	
T189-04		0.42	0.031	
T189-05		0.48	0.044	
T189-06		0.48	0.029	
T189-07		0.56	0.024	
T189-08		0.54	0.020	
T189-09		0.52	0.018	
T189-10		0.54	0.025	
T189-11		0.42	0.029	
T189-12		0.42	0.045	
T189-13		0.52	0.027	
T189-14		0.46	0.046	
T189-01		0.46	0.070	
T189-02		0.42	0.013	
T189-03		0.56	0.023	
T189-04		0.58	0.007	
T189-05		0.44	0.007	
T1810-01		0.44	0.008	
T1810-02		0.42	0.153	
T1810-03		0.40	0.025	
T1810-04		0.52	0.107	
T1810-05		0.52	0.04	
T1810-06		0.46	0.013	
T1810-07		0.44	0.148	
T1810-08		0.44	0.040	
T1810-09		0.52	0.040	

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Sample Description	Method Analyte Units LOD	W3-21	24-A633	As-C2A21
		Revd Wt %	%	%
		0.02	0.003	0.03
T1810-10		0.44	0.590	
T1811-01		0.44	0.101	
T1811-02		0.52	0.891	
T1811-03		0.49	0.022	
T1811-04		0.54	0.070	
T1811-05		0.42	0.103	
T1811-06		0.46	0.180	
T1811-07		0.50	0.496	
T1811-07D		0.42		
T1811-08		0.44	1.350	
T1811-09		0.48	0.557	
T1811-10		0.42	0.312	
T1811-11		0.48	0.714	
T1812-01		0.46	0.805	
T1812-02		0.52	0.113	
T1812-03		0.50	0.006	
T1812-04		0.48	0.005	
T1812-05		0.50	3.13	
T1812-06		0.58	0.807	
T1812-07		0.46	0.027	
T1812-08		0.55	0.005	
T1812-09		0.50	0.886	
T1813-01		0.58	6.311	
T1813-02		0.50	0.020	
T1813-03		0.50	0.054	
T1813-04		0.50	0.009	
T1814-01		0.46	0.022	
T1814-02		0.42	0.806	
T1814-03		0.42	0.010	
T1814-04		0.38	0.019	
T1814-05		0.48	0.168	
T1814-06		0.50	0.006	
T1814-07		0.48	0.011	
T1814-08		0.50	0.005	
T1815-01		0.52	0.019	
T1815-02		0.50	0.014	
T1815-03		0.46	0.005	
T1815-04		0.48	0.006	
T1815-05		0.52	0.013	
T1815-06		0.50	0.005	





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Sample Description	Method Analyte Units LOD	WB-21	AL-2423	SC-C2A21
		Reed Wt. kg	AU g/g	Ab g/g
		0.02	0.005	0.03
T1816-01		0.50	0.015	
T1816-02		0.44	0.339	
T1816-03		0.52	0.185	
T1816-03D		0.50		
T1816-04		0.50	0.742	
T1816-05		0.46	0.007	
T1816-06		0.44	0.012	
T1816-07		0.38	0.436	
T1816-08		0.52	<0.005	
T1817-01		0.50	<0.005	
T1817-02		0.48	0.081	
T1817-03		0.48	0.026	
T1817-04		0.48	0.123	
T1817-05		0.48	0.054	
T1817-06		0.48	0.020	
T1817-07		0.48	0.120	
T1818-01		0.50	<0.005	
T1818-02		0.50	<0.005	
T1818-03		0.48	0.034	
T1818-04		0.48	0.671	
T1818-05		0.48	0.012	
T1818-06		0.56	0.002	
T1818-07		0.54	<0.005	
T1818-08		0.44	<0.005	
T1818-09		0.52	<0.005	
T1818-10		0.34	<0.005	
T1818-11		0.50	<0.005	
T1818-12		0.58	0.008	
T1818-13		0.48	<0.005	
T1818-14		0.54	0.848	
T1818-15		0.46	0.072	
T1818-16		0.52	0.008	
T1818-17		0.46	0.047	
T1818-18		0.42	<0.005	
T1819-01		0.52	0.410	
T1819-02		0.42	>10.0	83.5
T1819-03		0.48	0.280	
T1819-04		0.46	>10.0	8.90
T1819-04D		0.42		

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CERTIFICATE OF ANALYSIS VA18270457

CERTIFICATE COMMENTS

Applies to Method:

LABORATORY ADDRESSES
Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au-AA23 Au-CRA21 BAC-01
LOC-OC SPI-34 WEJ-21

LOC-24



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