

Assessment Report on 2018 Surface Work

On the

Sixtymile Property

Dawson Mining District, Yukon

NTS Sheet 116C02

64°2'N Latitude and 140°57' West Latitude

YD20151-154	Ali	15 to 18	YB67514-517	Cici	3 to 6	YB67502	Uni	4
YD20169-170	Ali	33 to 34	YB67525-527	Cici	14 to 16	YB67504	Uni	6
YD20183	Ali	47	YB67529	Cici	18	YB67508	Uni	10
YD20199-200	Ali	63 to 64	YB67536	Cici	25	YB67510	Uni	12
YD20233-238	Ali	65 to 70	YB67538	Cici	27	YC07375-376	Uni	46 to 47
YD17001-008	BK	1 to 8	YC07257	CICI	44	YC07378	Uni	49
YD17011-020	BK	11 to 20	YC07259-260	CICI	46 to 47	YC44635	Uni	54
YD17022-029	BK	22 to 29	YC04560-561	Creek	1 to 2	YC44637	Uni	56
YD17030-039	BK	30 to 39	YC03742-749	Creek	7 to 14	YC44639	Uni	58
YD17041-050	BK	41 to 50	YC03754 - 758	Creek	19 to 23	YC44690	Uni	60
YD17074-081	BK	74 to 77	YC03760-761	Creek	25 to 26	YC44685-689	Uni	61 to 65
YD17093-102	BK	97 to 99	YC07263-270	Creek	31 to 38	YE90317 - 323	SXY	1 to 7
YD17010	BK F	10	YB67500	Uni	2			

Operated and recorded to

BERNIE KREFT

By

Marty Huber, P.Geo.

December 12, 2018

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Introduction and Terms of Reference

The Sixtymile Property (“Sixtymile” or the “Property”) is a contiguous claim block consisting of the Ali, BK, BK F, Cici, CICI, Creek, Uni and SXY claims totalling 133 claims. The claims are held 100% by Bernie Kreft (“Kreft”) who carried out surface exploration on the Property in 2018. This report (the “Report”) describes the 2018 work, which consisted of soil and rock sampling. The goal of the work was to identify anomalous gold trends that may lead to the discovery of gold bearing structures or zones. This report is not intended to and does not fully comply with National Instrument 43-101.

The Author may have relied on technical data and interpretations found in various sources cited throughout the Report. The Author may not have verified this information and takes no responsibility for its accuracy or completeness.

Property Location and Description

The Sixtymile Project is located approximately 80km due west of Dawson City (Figure 1) in the Sixty Mile placer district, at the headwaters of significant placer gold producers Glacier, Miller and Little Gold Creeks on the Yukon side of the border as well as Poker and Younger/Walker Creeks that head on the Yukon side of the border but have their most productive portions downstream in Alaska. The approximate centre of the Property is at 64° 2’ North Latitude and 140° 57’ West Longitude on N.T.S sheet 116C-02. The Property covers an approximate area of 2,580 hectares within the Dawson Mining District and includes 133 contiguous, un-surveyed mineral titles (Figure 2) listed in Table 1 below. The project is located within Trondek Hwichin (Dawson) traditional territory.

Table 1 - List of Claims

Grant	Name	Number	Owner Name	Expiry Date	Grant	Name	Number	Owner Name	Expiry Date
YD20151-	Ali	15 to 18	Bernie Kreft	2019\09\30	YC03754	Creek	19	Bernie Kreft	2020\09\30
YD20169-	Ali	33 to 34	Bernie Kreft	2019\09\30	YC03755	Creek	20	Bernie Kreft	2019\09\30
YD20183	Ali	47	Bernie Kreft	2019\09\30	YC03756	Creek	21	Bernie Kreft	2020\09\30
YD20199-	Ali	63 to 64	Bernie Kreft	2019\09\30	YC03757	Creek	22	Bernie Kreft	2019\09\30
YD20233-	Ali	65 to 70	Bernie Kreft	2019\09\30	YC03758	Creek	23	Bernie Kreft	2020\09\30
YD17001-	BK	1 to 8	Bernie Kreft	2020\09\30	YC03760-761	Creek	25 to 26	Bernie Kreft	2020\09\30
YD17011-	BK	11 to 20	Bernie Kreft	2020\09\30	YC07263-264	Creek	31 to 32	Bernie Kreft	2020\09\30
YD17022-	BK	22 to 29	Bernie Kreft	2020\09\30	YC07265-266	Creek	33 to 34	Bernie Kreft	2019\09\30
YD17030-	BK	30 to 32	Bernie Kreft	2019\09\30	YC07267-268	Creek	35 to 36	Bernie Kreft	2020\09\30
YD17033-	BK	33 to 39	Bernie Kreft	2020\09\30	YC07269-270	Creek	37 to 38	Bernie Kreft	2019\09\30
YD17041-	BK	41 to 50	Bernie Kreft	2020\09\30	YB67500	Uni	2	Bernie Kreft	2020\09\30
YD17074-	BK	74 to 77	Bernie Kreft	2019\09\30	YB67502	Uni	4	Bernie Kreft	2020\09\30
YD17093-	BK	97 to 99	Bernie Kreft	2019\09\30	YB67504	Uni	6	Bernie Kreft	2020\09\30
YD17010	BK F	10	Bernie Kreft	2020\09\30	YB67508	Uni	10	Bernie Kreft	2020\09\30
YB67514-517	Cici	3 to 6	Bernie Kreft	2019\09\30	YB67510	Uni	12	Bernie Kreft	2020\09\30
YB67525-527	Cici	14 to 16	Bernie Kreft	2019\09\30	YC07375-376	Uni	46 to 47	Bernie Kreft	2020\09\30
YB67529	Cici	18	Bernie Kreft	2019\09\30	YC07378	Uni	49	Bernie Kreft	2020\09\30
YB67536	Cici	25	Bernie Kreft	2019\09\30	YC44635	Uni	54	Bernie Kreft	2020\09\30
YB67538	Cici	27	Bernie Kreft	2019\09\30	YC44637	Uni	56	Bernie Kreft	2020\09\30
YC07257	CICI	44	Bernie Kreft	2019\09\30	YC44639	Uni	58	Bernie Kreft	2020\09\30
YC07259-260	CICI	46 to 47	Bernie Kreft	2020\09\30	YC44690	Uni	60	Bernie Kreft	2020\09\30
YC04560-561	Creek	1 to 2	Bernie Kreft	2019\09\30	YC44685-689	Uni	61 to 65	Bernie Kreft	2020\09\30
YC03742-749	Creek	7 to 14	Bernie Kreft	2020\09\30	YE90317-323	SXY	1 to 7	Bernard Kreft	2020\09\30*

Access, Infrastructure, Climate and Physiography

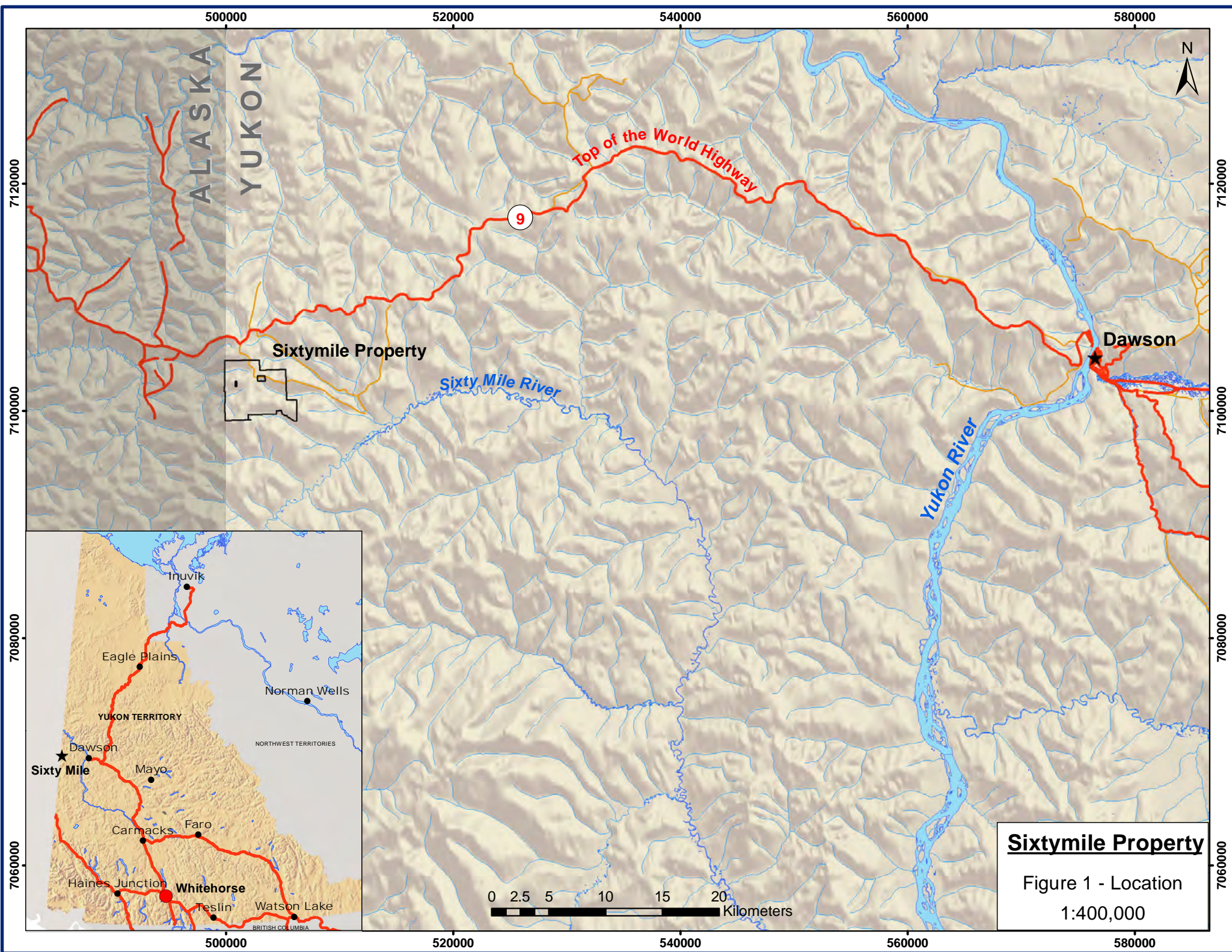
Access is via Highway 9, (Top of The World Highway) for approximately 104 kilometres to a turn-off on the south side of the highway. Numerous roads extend south from the Top of The World Highway to various placer mines in the area. These roads are generally usable by 2WD truck from early June to late September and provide excellent access to most target areas. The Top of the World Highway is not maintained during winter months and the George Black ferry crossing the Yukon River at Dawson City operates seasonally between mid-May and mid-October.

Topography typically consists of steep hillsides with rounded crests. The area was beyond the limits of the last two continental glacial events and minor evidence of glaciation in the area is a result of localized alpine glaciers. Alluvium in the valleys is locally derived. Hillsides are covered with a veneer of colluvium also locally derived. Elevation ranges from approximately 2,300 feet (700 m) in the valley bottoms to approximately 3,800 feet (1160 m) on peaks. On hillsides and ridge spurs, particularly northerly facing slopes and poorly drained areas, permafrost is a serious hindrance to exploration. These areas should be explored late in the season when the thaw is at its maximum extent. Rock outcrop is restricted to ridges, small cliffs, creek bottoms and along road cuts.

Vegetation in the valley bottoms consists of alder, dwarf birch, balsam fir, white and black spruce. Hillsides and ridges are covered with pine, spruce, birch and poplar on well-drained slopes and stunted black spruce in areas of permafrost and at higher elevations. Treeline is at approximately 3,500 feet (1070 m). Vegetation is generally more abundant on east and south facing slopes. Black bears as well as moose frequent the valley bottoms, attracted by young vegetation on the placer tailings.

Climate is characterized by low precipitation and a wide temperature range. Winters are cold and temperatures of -30° Celsius are common. Summers are moderately cool with daily highs commonly in the 14° to 20° Celsius range. Thunders showers are a common occurrence. The seasonal window for prospecting and exploration is typically from late May to late September.

The Property can be worked from Dawson City by truck or from an exploration camp set up on or near the Property. A camp can be supported from Dawson City or from Whitehorse where a full range of services are available including line-cutting, geophysics, drilling, assaying, aircraft charters etc.



ALASKA
YUKON

Top of the World Highway

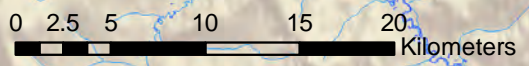
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Sixtymile Property

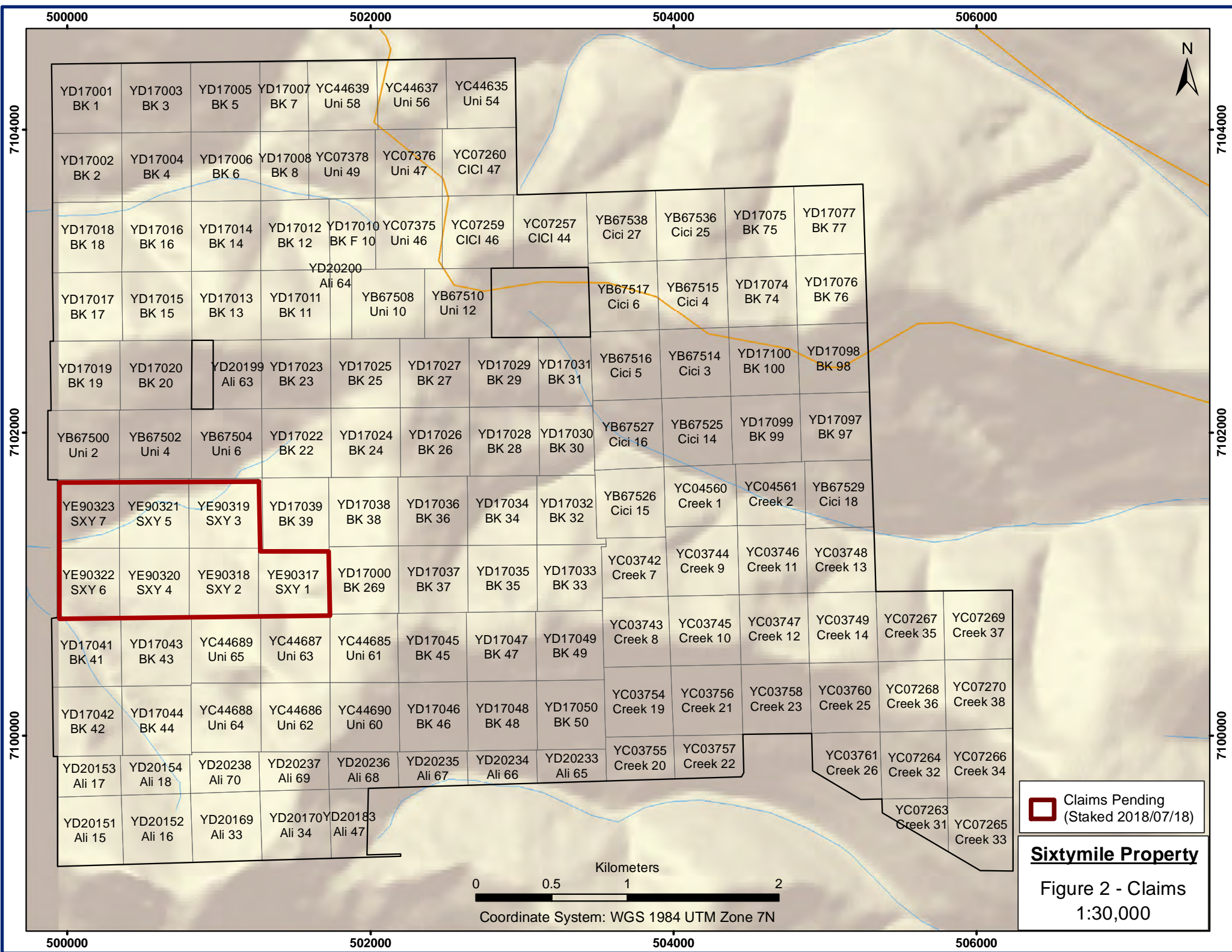
Sixty Mile River


Yukon River

Dawson



Sixtymile Property
Figure 1 - Location
1:400,000



 Claims Pending
(Staked 2018/07/18)

Sixtymile Property
Figure 2 - Claims
1:30,000

Kilometers
0 0.5 1 2
Coordinate System: WGS 1984 UTM Zone 7N

Previous Work

Significant placer gold producers which have their paystreaks begin within property boundaries include Little Gold, Glacier and Miller Creeks on the Yukon side of the border as well as Poker and Walker/Younger Creeks (Walker Fork tributaries) which headwater on the Yukon side of the border but have their most productive portions located downstream in Alaska. Combined, these creeks have likely produced well in excess of 600,000 ounces of placer gold since discovery in 1892 and are a significant stream geochemical anomaly (Kreft, unpublished). Numerous hardrock exploration programs have been conducted within Sixtymile Property environs in efforts to locate a source, or sources, for the placer gold found within creeks emanating from the property.

A total of 10 publicly available assessment reports pertaining to work completed within property environs exist within the public domain, short chronologically ordered summaries are as follows:

AR091797 – Noranda Exploration – 1985 – Noranda staked and sampled several claim blocks within the Sixtymile area in an effort to follow up various geochemical anomalies reported by Ulrich Glasmacher who was doing thesis work at the University of Aachen in Germany. Although Noranda failed to reproduce the Glasmacher anomalies, values of up to 160 ppb Au in silt from streams draining the northwest edge of the Madrona anomaly, 180 ppb Au in soil near the headwaters of Miller Creek and 720 ppb Au from banded and vuggy quartz veins at the Glac Showing and up to 44.0 ppm Ag from samples of banded and vuggy quartz galena veining at the Walker South anomaly were deemed worthy of follow-up.

AR092721 – Dawson Eldorado Mines – 1988 – Dawson Eldorado staked and sampled a large claim block at the headwaters of Glacier and Miller Creeks in an effort to locate a source for the placer gold found within them. Values of up to 326 ppb Au in soil were found at the Madrona anomaly, silt samples with up to 37 ppb Au were found in a small creeks tributary to Glacier and draining the area of the Ferkel anomaly while up to 27.4 ppm Ag and 9,100 ppm Pb were returned from samples of dolomite hosted quartz-galena veins at the Miller Showing. Soil sampling at the MC anomaly returned up to 165 ppb Au.

AR093559 – Madrona Mining – 1988 – Madrona completed a combined magnetic, radiometric and electro-magnetic heli-borne geophysical survey in an effort to locate VHMS base metal targets similar to those found in the Finlayson Lake District of southeast Yukon.

AR093792 – Madrona Mining – 1998 – Madrona followed up airborne geophysical anomalies with a program of soil sampling and prospecting. Although numerous silver in soil anomalies with up to 9.9 ppm Ag were located (just south of Ferkel), the geochemical package used had a 1ppm gold lower detection limit and the sampling was poorly conducted with many samples consisting predominantly of A horizon material (Roger Hulstein pers. comm.).

AR094046 – Kennecott Canada – 1999 – Kennecott conducted rock, soil and silt sampling within various property areas. Work at Poker West encountered quartz veined quartzite a grab sample of which returned 270 ppb Au while work at Poker East encountered a sample of brecciated quartzite returning 105 ppb Au and nearby soil samples with up to 105 ppb Au. Silt sampling highlighted the following creeks: Glacier, Miller and Walker Fork/Younger as being highly anomalous in gold and moderate to highly anomalous in arsenic. Rock sampling at the Glac showing returned up to 93.0 ppm Ag and 1.9% Pb from samples of quartz galena veining.

AR094055 – Kennecott Canada – 1999 – Work consisted of broad spaced soil, silt and rock sampling. Silt sampling confirmed and expanded upon the gold-in-silt anomalies in the Walker Fork/Younger Creek drainage basin. Work at Walker North encountered samples of veined and brecciated quartzite with values of up to 450 ppb Au while recce work at Walker South identified a soil anomaly strongly open in two directions with up to 920 ppb Au. Work at the Ferkel Anomaly returned up to 2,260 ppb Au from a sample of quartzite with bedding parallel quartz veins and nearby soil anomalies of up to 135 ppb Au. Work approximately 900 metres south of the Madrona anomaly encountered a soil sample with 125 ppb Au. Work at the Miller Showing encountered sporadic gold in soil values of up to 93 ppb Au.

AR094424 – JP Ross – 2003 – During the 2003 field season JP Ross conducted prospecting and soil sampling at the Madrona and Glac North anomalies. Work at Madrona yielded up to 165 ppb Au in soil which confirmed and expanded on the previous Au soil anomaly while work at Glac North encountered up to 282 ppb Au from samples of limonitic schist and nearby soil samples with up to 226 ppb Au.

AR094823 – JP Ross – 2006 – During 2006 JP Ross conducted exploration at the Poker East, Walker South and Ferkel anomalies. Work at Poker East consisted of prospecting and soil sampling on a 100m x 200m grid. Although no significantly anomalous soil samples were encountered, rock values of up to 436.5 ppb Au were reported from samples of quartz veined quartzite. Work at Walker South consisted of a single contour soil line which yielded a peak value 330 ppb Au confirming the presence of historical gold in soil values in this area. Work at Ferkel returned up to 70 ppb Au in soil from the showing area while nearby samples returned up to 46.9 ppb Au in soil.

AR096208 – Radius Gold – 2010 – Work consisted of a single drill hole at Walker South which returned no anomalous values as well as 1 RAB hole and limited auger drilling in the Poker East area which returned >500 ppb Au.

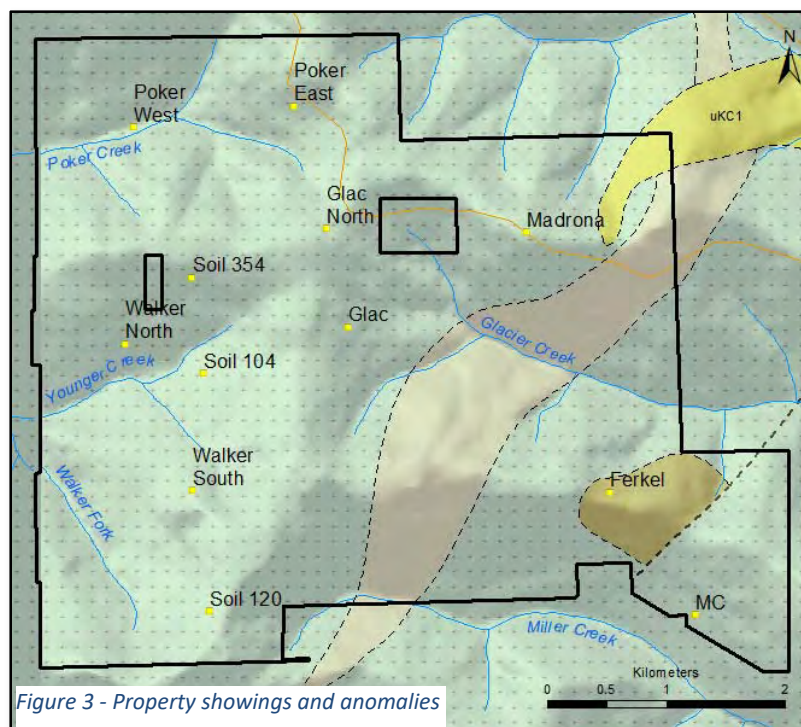


Table 2 - Showings and Anomalies

Anomaly	Reports	Best Values	Structure	Notes on Previous Work	Location
Poker West	094046	270 ppb Au from quartz veined quartzite	unknown	no soils or trenches completed, open in all directions	500747E 7103701N
Poker East	094046 094823 096208	716 ppb Au in dark qtz augen schist from auger hole, 105 ppb Au soil	NW trending	limited 100m x 200m soils, no trenches, gaps in soil coverage	502008E 7103902N
Walker North	094055	450 ppb Au in qtz veined quartzite, 44 ppb Au soil	north	50m x 200m soils, 0 trenches soil anomalies require follow up	500591E 7101918N
Walker South	094055 091797	920 ppb Au soil, 91.7 ppm Ag qtz-galena vein	N to NE	No grid soils or trenches, open in all directions	501166E 7100615N
Glac	091797 094046	720 ppb Au banded vuggy qtz vn, 217 soil	unknown	No soils or trenches completed, open in all directions	502530E 7102000N
Glac North	094424 092721	226 ppb Au soil, 282 ppb Au limonitic schist	unknown	limited 100m x 200m soils, open all directions, no trenches	502393E 7102816N
Madrona	092721 094055	326 ppb Au soil, no known rocks	NNE	50m x 50m soils, no trenches, open north and south	504155E 7102850N
Ferkel	094055 094823	2260 ppb Au qtz with bedding parallel qtz vns	NNE	No grid soils or trenches, open to north and SW	504747E 7100520N
MC	092721 094055	Up to 165 ppb Au soil as part of a cluster	unknown	No grid soils or trenches, open in all directions	505477E 7099587N
Soil 120.6	096208	120.6 ppb Au at end of 200m space contour line	unknown	No grid soils or trenches, open in all directions	501325E 7099315N
Soil 104	096208	104 ppb Au soil is part of a 50m x 200m grid	north	No detailed soils or trenches, open to the south	501319E 7101641N
Soil 354.9	096208	354.9 ppb Au soil is part of a 50m x 200m grid	unknown	Open to north and south and no trenching completed	501317E 7102438N
Miller (off property)	092721 094055	27.4 ppm Ag, 0.9% Pb qtz veined dolomite	NE	No trenches	503684E 7099407N

Regional Geology

The Sixtymile property is located on the southwest side of the Tintina fault, a large dextral fault with an estimated 450 kilometres of offset. The property is underlain by deformed metamorphic rocks of slide Mountain Terrane (YTa) and metamorphic rocks of the northwestern portion of the allochthonous Yukon-Tanana Terrane ("YTT"; Figure 5) and which can be divided into two main assemblages: metasedimentary rocks with ductile deformation and metavolcanic rocks with brittle shearing and deformation.

The YTT in the project location consists of two main assemblages of supercrustal rocks, the Late Devonian (?) to mid-Mississippian Nasina assemblage and the mid-Permian Klondike Schist assemblage (Hulstein, 2011 after Mortensen, 1996). The Nasina consists of metamorphosed psammites, mainly quartz-muscovite-chlorite schist and quartzite, +/- carbonaceous material, interlayered mafic schist and amphibolite and volumetrically minor amounts of marble, conglomerate and felsic schist. The Klondike Schist assemblage is comprised mainly of a variety of felsic schists interlayered with non-carbonaceous fine-grained micaceous quartzite and quartz-feldspar-muscovite-biotite (+/- chlorite) schist. Local layers of chlorite schist, metagabbro, and rare bands of marble and carbonaceous quartz-muscovite schist are found within the felsic schists (Hulstein, 2011).

Property Geology

The Sixtymile Property is predominantly underlain by Devono-Missippian Nasina Series quartzite (occasionally graphitic) and quartz-mica schist, as well as lesser metasedimentary rocks of the Permian Klondike Schist assemblage and Middle to Upper Paleozoic Slide Mountain Terrane ultramafic rocks (generally occurring as elongated slices along the surface trace of thrust faults; Figure 6).

Two ages of intrusive activity have been noted in the area, early Jurassic (183ma) quartz monzonite and late Cretaceous granodiorite. An area of Late Cretaceous Carmacks Group high level intrusive and associated extrusive volcanics is located in the northeast corner of the property.

The area is structurally complex. An arcuate thrust fault has been dissected and offset by normal faults paralleling and likely related to the northeast trending Sixtymile-Pika Fault system which was reportedly particularly prolific for mineralization between 70 and 68 Ma. Later north to northwest trending faults and structural corridors possibly related to the Tintina Fault Zone have been mapped as dissecting and slightly offsetting both of these fault systems. This structural setting would produce numerous dilatant zones favorable for orogenic type gold deposits, and is similar to the structural regime in the Klondike Goldfields as well as that which occurs at the Golden Saddle deposit.

Table 3 - Property Geology Descriptions (Mortensen, 1996)

Suite	Age	Description
Carmacks Group	Upper Cretaceous	uKC1: vesicular augite olivine basalt and breccia; hornblende feldspar porphyric andesite and dacite flows; andesite and trachyte tuff, lapilli tuff and welded tuff; includes feeder plugs, necks, associated epiclastic rocks
Slide Mountain Terrane	Devonian to Mississippian	Ppa: amphibolite schist and gneiss; metabasite; likely derived from mafic volcanic rocks; commonly interlayered with orthogneiss; equivalent to Finlayson Assemblage
Nasina Assemblage	Devonian to Mississippian	quartzite, quartz-mica schist, carbonaceous quartzite and schist; locally includes amphibolite and marble
Klondike Schist	Carboniferous to Permian	CPK1: muscovitic and/or chloritic quartzite and quartz-muscovite-chlorite schist; quartz and/or feldspar augen-bearing quartz-muscovite (chlorite) schist; augen gneiss and amphibolite; chlorite quartz phyllite; chlorite-altered metamorphics of SE Alaska

Mineralization and Deposit Model

The Property lies in an underexplored part of the loosely defined Tintina Gold Belt (Figure 4). The Sixtymile Property shares numerous geological, structural and geomorphological similarities with the Klondike Goldfields located approximately 80km to the southeast. Within the Klondike Goldfields the most significant auriferous bedrock showings are orogenic style targets, located in dilatant zones formed in the hanging-wall of a series 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 at the headwaters of significant placer gold producers Eldorado Creek and Victoria Gulch.

Both the Sixtymile and Klondike Goldfields 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 proponent in the Dawson area has shown that soil anomalies of 40 ppb Au and greater potentially represent significant bedrock mineralization.

In the Connaught area approximately 15km south of the Sixtymile Project, and in nearby areas of Alaska's southern Fortymile district, northeast-trending arrays of mutually cross-cutting faults, veins, alteration zones, breccias, and dikes suggest that faulting, magmatism, hydrothermal fluid activity, and mineralization were broadly synchronous processes. Mineralization on the Sixtymile Property predominantly consists of structurally controlled gold and silver bearing quartz veins, stockworks and breccia zones with limited amounts of pyrite, galena and arsenopyrite occasionally associated. Mineralization at the Ferkel Anomaly reportedly consists of low-sulphide bedding parallel gold bearing quartz veins which may represent a mineralizing system distinct to the more common orogenic targets

Ultimately the orogenic gold deposit model should be used when exploring the Sixtymile Property and soil samples with greater than 40ppb Au should be considered potentially significant with excavator trenching being the preferred method to follow up soil geochemical anomalies.

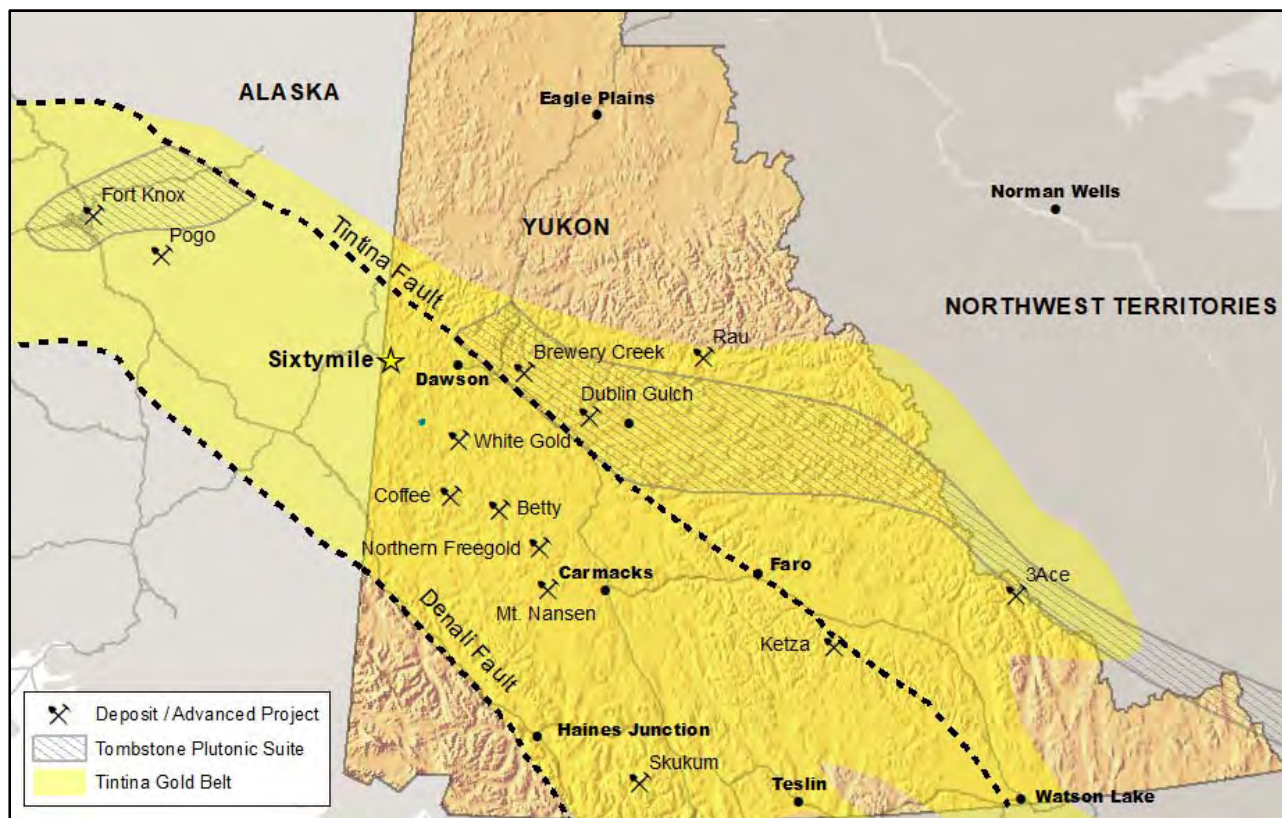


Figure 4 - Tintina Gold Belt

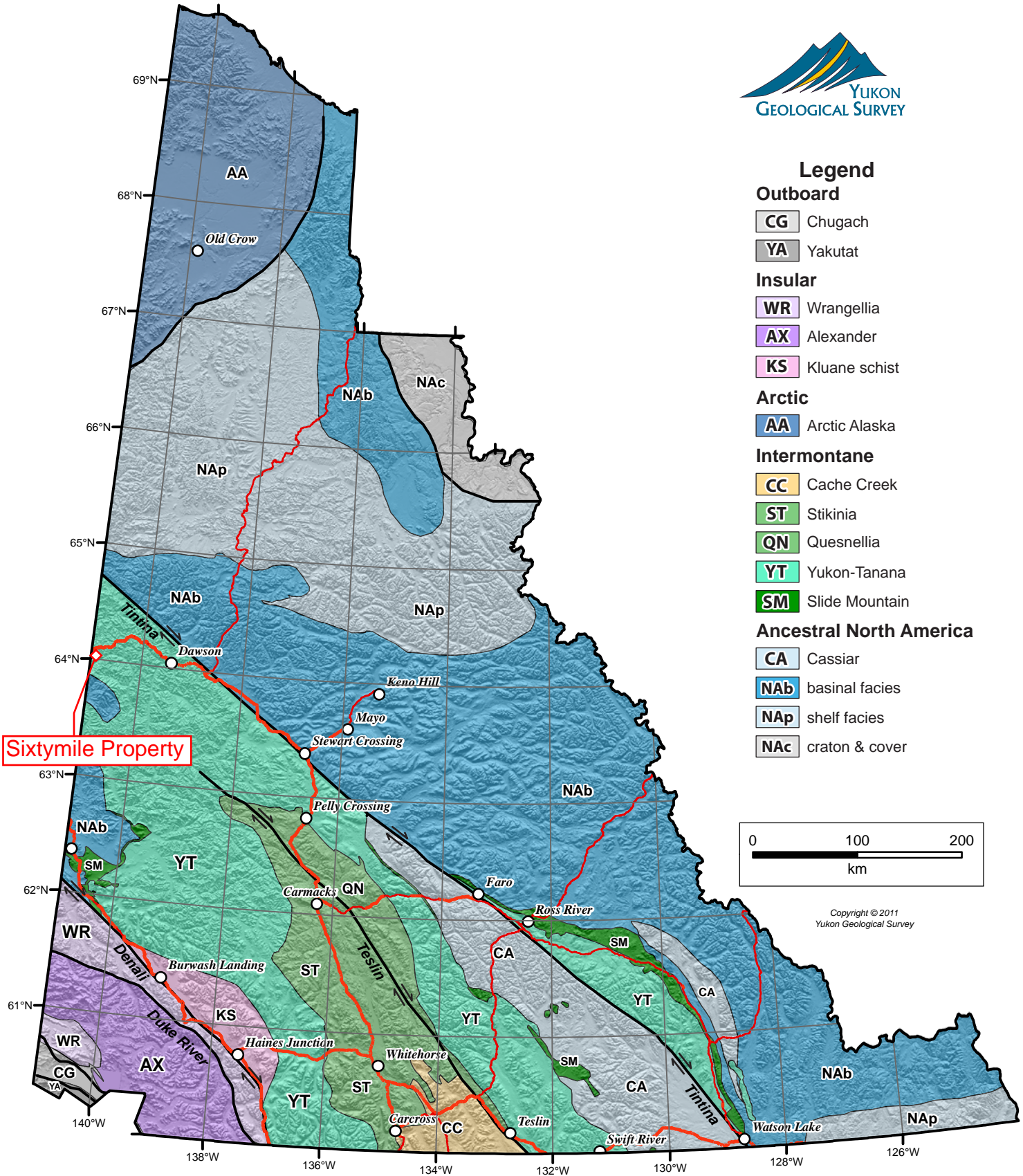
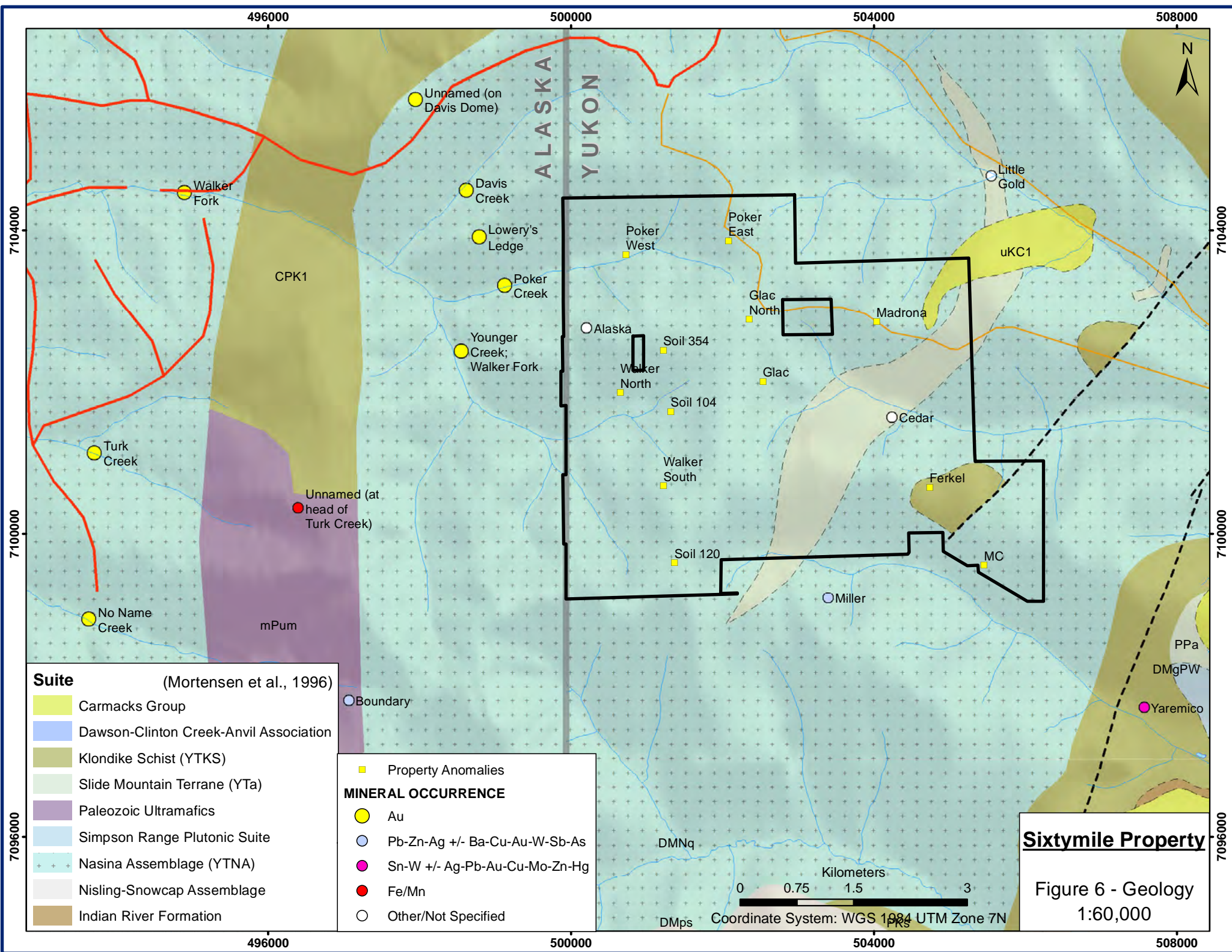


Figure 5 - Yukon Tectonic Map



Exploration

Surface exploration on the Property, including travel to and from Whitehorse, Yukon, was completed between June 11th to September 9th with a total of 27-man days on the project. The crew included three Whitehorse based prospectors: Bernie Kreft, Jarret Kreft, and Justin Kreft. The crew was set up at the Bonanza Creek Campground in Dawson City with travel to and from the Property by truck, approximately 210 km round trip. Analytical work was completed by Bureau Veritas Laboratories (“BV”), final analytical results were received on October 30th, 2018. The Author compiled the field data into digital maps and wrote this Report up to December 12, 2018. A detailed Statement of Work is included herein as Appendix A.

Mapping

Structural observations of faults and vein systems were recorded at Poker East. Near vertical silicified fault zones and narrow veins trending north-northwest were noted and contain anomalous gold. Later northeast trending veins within the same outcrop contained only background gold values.

Rock Sampling

A total of 63 rocks were collected over the Property during the 2018 field season. Sample locations were tagged in field using flagging inscribed with the sample code. Sample descriptions were recorded in field with hand written notes and locations recorded with Garmin GPS receivers in map datum UTM Nad83 Zone 7N. Sample Locations (Figures 8 – 11) and descriptions are included as Appendix B. Rock samples were placed in industry standard poly rock bags with the appropriate sample numbers marked in indelible ink. Samples were then sealed in rice bags and taken to Bureau Veritas in Whitehorse for preparation and subsequently to Vancouver for analysis. Samples were crushed, split, and pulverized to $\geq 85\%$ passing 200 mesh (BV Code PRP70-250) and analyzed for gold by 30 g lead collection fire assay fusion with AAS finish (BV code FA430) samples were also analyzed for 33 elements by 0.5 gram Aqua Regia digestion, ICP-ES finish (BV code AQ300; Appendix C).

Rock Results

Rock results ranged from below detection (i.e. < 0.005 ppm Au) up to a maximum of 1.679 ppm Au (BSMR-08; Figure 8). This sample was taken from Poker East and consists of a weakly limonitic and weakly brecciated silicified quartzite with quartz stockwork. Another sample from this same location assayed 0.832 ppm Au (TSR-17) was described as a silicified, limonitic and graphitic quartzite with minor quartz stockwork and brecciation. Sample TSR-18 was described similarly to TSR-17 was located approximately 40 m to the northeast and assayed 0.400 ppm Au. Sample XMR-03 taken at Walker North assayed 0.845 ppm Au and was described as a limonitic and weakly brecciated bleached quartzite with a few vuggy areas. Sample XLR-03 assayed 0.438 ppm Au and was taken adjacent to XMR-03 and is described similarly. Many of the samples exhibited strong silicification (Figure 7) along with zones of quartz healed breccias and quartz stockworks. Samples are more fully described in Appendix B, gold results are represented in Figures 12 – 15 and arsenic results in Figures 16 - 19.

Rock results greater than 30 ppb were evaluated with a Pearson product-moment correlation to determine relationships between various elements. Gold shows moderate correlations with Cu and Zn and a weak correlation with Ni, Fe and As. Strong correlations exist between As and Ag; As and Ni; and Zn and Cu Table 4 below.

Table 4 - 2018 Rock correlations geochemistry

	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As
Au	1.00	-0.10	0.56	-0.07	0.58	0.09	0.27	-0.14	-0.11	0.34	0.18
Mo	-0.10	1.00	0.22	-0.06	-0.06	-0.13	-0.10	0.18	-0.06	-0.09	-0.09
Cu	0.56	0.22	1.00	0.26	0.72	-0.17	0.11	0.01	-0.21	0.55	-0.10
Pb	-0.07	-0.06	0.26	1.00	0.39	0.00	0.22	-0.11	-0.07	0.00	-0.14
Zn	0.58	-0.06	0.72	0.39	1.00	0.06	0.43	0.20	-0.21	0.41	0.06
Ag	0.09	-0.13	-0.17	0.00	0.06	1.00	0.70	0.49	0.42	0.27	0.76
Ni	0.27	-0.10	0.11	0.22	0.43	0.70	1.00	0.37	0.07	0.42	0.74
Co	-0.14	0.18	0.01	-0.11	0.20	0.49	0.37	1.00	0.35	0.12	0.38
Mn	-0.11	-0.06	-0.21	-0.07	-0.21	0.42	0.07	0.35	1.00	0.06	0.22
Fe	0.34	-0.09	0.55	0.00	0.41	0.27	0.42	0.12	0.06	1.00	0.23
As	0.18	-0.09	-0.10	-0.14	0.06	0.76	0.74	0.38	0.22	0.23	1.00

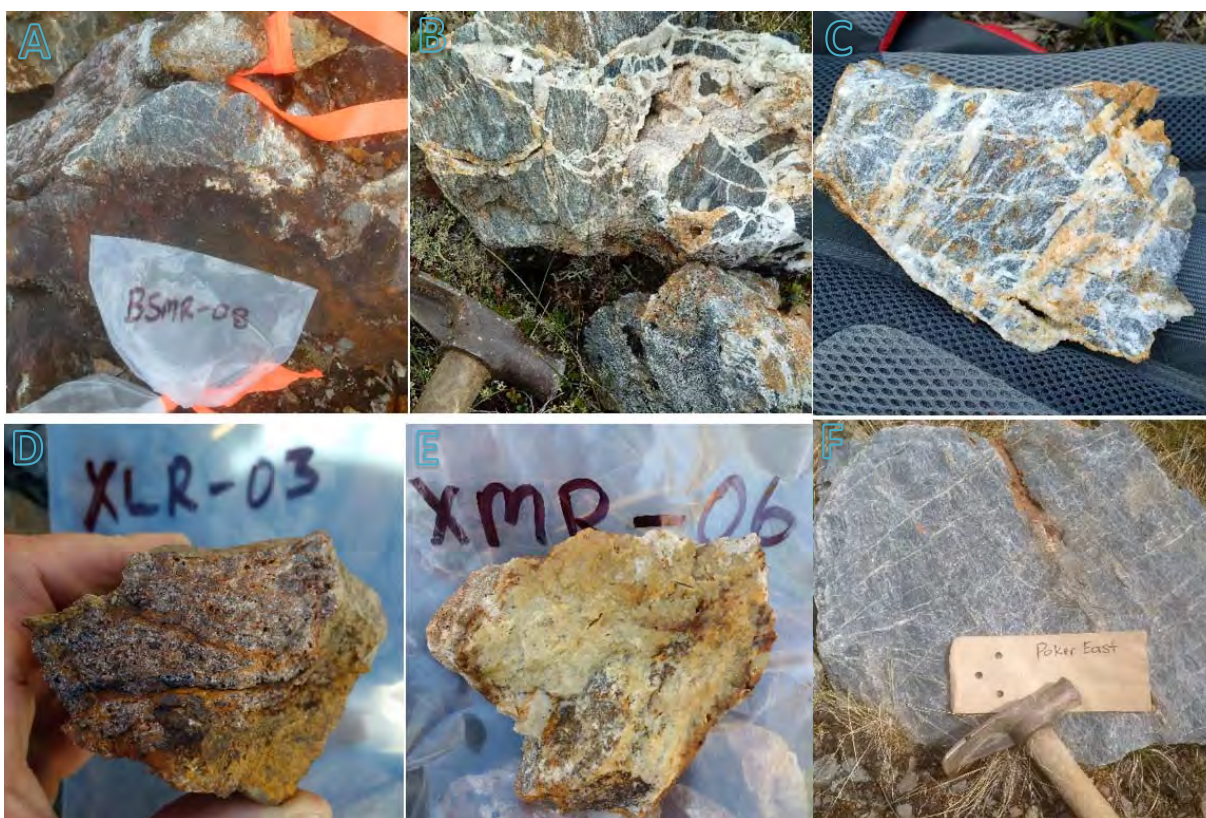


Figure 7 - Rock samples Photos: a) sample BSMR-08 (1.68 ppm Au) silicified quartzite, b) healed breccia zone and stockwork, c) quartz stockwork, highly silicified, d) sample XLR-03 (0.44 ppm Au), e) sample XMR-06 (0.135 ppm Au) bleached limonitic quartzite, f) silicified quartzite with quartz stockwork.

Soil Sampling

A total of 202 soil samples were collected over the Property in 2018. Sample locations were tagged in field using flagging inscribed with the sample code. Sample locations were recorded using Garmin GPS receivers in map datum UTM Nad83 Zone 7N. Samples were taken over several grids and reconnaissance line on the northern portion of the property to confirm and better define anomalous results exposed by previous operators. Sample locations are portrayed in Figures 8 – 11, Sample Locations I to IV:

- Sample Locations I (Poker East; Figure 8) contains a detailed (3x3) grid with 12.5 m sample intervals with a reconnaissance line running through northwest to southeast; 150 m east of this, another detailed grid with three east-west lines spaced 50 m and 25 m sample intervals was completed; several additional spot samples were also taken in and around this grid;
- Sample Locations II (Walker North; Figure 9) contains a detailed grid with four east-west lines spaced 50 m and 25 m sample intervals, the two centre lines extend 220 m further to the west, several spot samples were taken over this location as well as a northeast-southwest reconnaissance line southwest of the grid.
- Sample Location III (Glac North; Figure 10) contains a detailed (3x3) grid with 12.5 m sample intervals, another detailed grid to the southwest with four east-west lines spaced 50 m and 25 m sample intervals with several infill lines adjacent to it, and a detailed east-west reconnaissance line 700 m to the south with 25 m sample intervals.
- Sample Location IV (Madrona East; Figure 11) contain two east-west grid lines spaced 70 m with 25 m intervals and a northeast-southwest reconnaissance line with 25 m intervals intersecting the grid; several spot samples were also taken in this area.

The tight intervals on the various grids was designed to generate confident trench targets. Sample material consisted primarily of a rocky B and C-horizon colluvium, taken from depths typically varying between 30 and 50 cm using hand held augers and GeoTools. Sample locations and descriptions are included as appendix B. Soil samples were placed in Kraft-type paper bags with the appropriate sample numbers marked with indelible ink. Samples were dried, then sealed in rice bags and taken to Whitehorse for preparation where samples are dried at a temperature of 60°C, then sieved for a 100-gram pulp at 80 mesh (BV Code SS80). Samples were then sent to BV in Vancouver and analyzed for 33 elements, sample splits of 0.5-gram are leached in hot modified Aqua Regia then analyzed by ICP-ES (BV code AQ300; Appendix C) samples were also analyzed for gold by 30 g lead collection fire assay fusion with AAS finish (BV code FA430).

Soil Results

Samples from the soil survey returned gold values ranging from below detection (i.e. < 0.005 ppm Au) to a maximum of 0.305 ppm Au, this sample was taken from a reconnaissance line at Poker East (Figure 12). Samples XTBD-08 and CSMD-14 were taken at nearly the same location and assayed 0.199 and 0.012 ppm Au respectively; this discrepancy may be attributed to the nugget effect. Gold, silver, and arsenic results from 2018 were evaluated as calculated percentiles (Table 5) and gold and arsenic were plotted as thematic maps (gold Figures 12 – 15 and arsenic Figures 16 – 19).

Table 5 - Soil Results

	Max	50th%ile	70th%ile	80th%ile	90th%ile	99th%ile
Au_ppm	0.305	0.012	0.018	0.0258	0.04	0.15
Ag_ppm	1.7	0.3	0.3	0.4	0.5	0.9
As_ppm	917	30.5	42.6	61	148.4	364.29

Soil results from the various zones sampled in 2018 were also evaluated with a Pearson product-moment correlation to determine relationships between various elements. The samples were grouped and evaluated based on location of sampling (Sample Locations I to IV and III south). Varying degrees of correlations were observed over the five zones (*Table 6*):

- Poker East, Sample Location I: Negative correlations between Au and all elements. Moderate to strong correlations between base metals Fe, Mn, Co, Ni, Zn, Cu;

- Walker North, Sample Location II: Moderate correlations between Au and Cu, Pb, Ag and As. Moderate to strong correlations between base metals;
- Glac North, Sample Location III: Moderate correlation between Au and As. Moderate to strong correlations between base metals;
- Glac North, Sample Location III (South): Negative correlation between Au and As, moderate correlations between Au and Mo, Cu, Zn, Ni, and Co. Strong correlation between Cu and Zn;
- Madrona, Sample Location IV: Moderate correlation between Au and As. Strong correlation between Ni and Cu, Zn and Co and strong correlations between Cu and Zn and Co.

Table 6 – Soil correlation geochemistry

Poker East, Sample Location I

	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As
Au	1.00	0.13	0.05	-0.17	-0.13	-0.08	-0.13	-0.16	-0.16	-0.10	0.22
Mo	0.13	1.00	0.38	0.42	0.33	0.44	0.26	0.23	0.28	0.53	0.27
Cu	0.05	0.38	1.00	0.06	0.70	0.61	0.79	0.58	0.47	0.47	0.02
Pb	-0.17	0.42	0.06	1.00	0.23	0.19	0.17	0.32	0.42	0.71	0.37
Zn	-0.13	0.33	0.70	0.23	1.00	0.31	0.92	0.87	0.79	0.67	0.00
Ag	-0.08	0.44	0.61	0.19	0.31	1.00	0.42	0.32	0.27	0.43	0.05
Ni	-0.13	0.26	0.79	0.17	0.92	0.42	1.00	0.88	0.78	0.61	-0.12
Co	-0.16	0.23	0.58	0.32	0.87	0.32	0.88	1.00	0.92	0.72	0.01
Mn	-0.16	0.28	0.47	0.42	0.79	0.27	0.78	0.92	1.00	0.71	0.03
Fe	-0.10	0.53	0.47	0.71	0.67	0.43	0.61	0.72	0.71	1.00	0.39
As	0.22	0.27	0.02	0.37	0.00	0.05	-0.12	0.01	0.03	0.39	1.00

Madrona, Sample Location IV

	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As
Au	1.00	0.41	0.44	0.18	0.36	0.47	0.45	0.39	0.33	0.08	0.60
Mo	0.41	1.00	0.52	0.48	0.61	0.42	0.35	0.30	0.13	0.38	0.65
Cu	0.44	0.52	1.00	0.31	0.69	0.35	0.89	0.73	0.25	0.33	0.54
Pb	0.18	0.48	0.31	1.00	0.37	0.17	0.19	0.11	0.27	0.29	0.07
Zn	0.36	0.61	0.69	0.37	1.00	0.30	0.76	0.81	0.62	0.61	0.51
Ag	0.47	0.42	0.35	0.17	0.30	1.00	0.19	0.11	0.13	0.35	0.62
Ni	0.45	0.35	0.89	0.19	0.76	0.19	1.00	0.88	0.50	0.35	0.50
Co	0.39	0.30	0.73	0.11	0.81	0.11	0.88	1.00	0.63	0.53	0.40
Mn	0.33	0.13	0.25	0.27	0.62	0.13	0.50	0.63	1.00	0.44	0.23
Fe	0.08	0.38	0.33	0.29	0.61	0.35	0.35	0.53	0.44	1.00	0.50
As	0.60	0.65	0.54	0.07	0.51	0.62	0.50	0.40	0.23	0.50	1.00

Walker North, Sample Location II

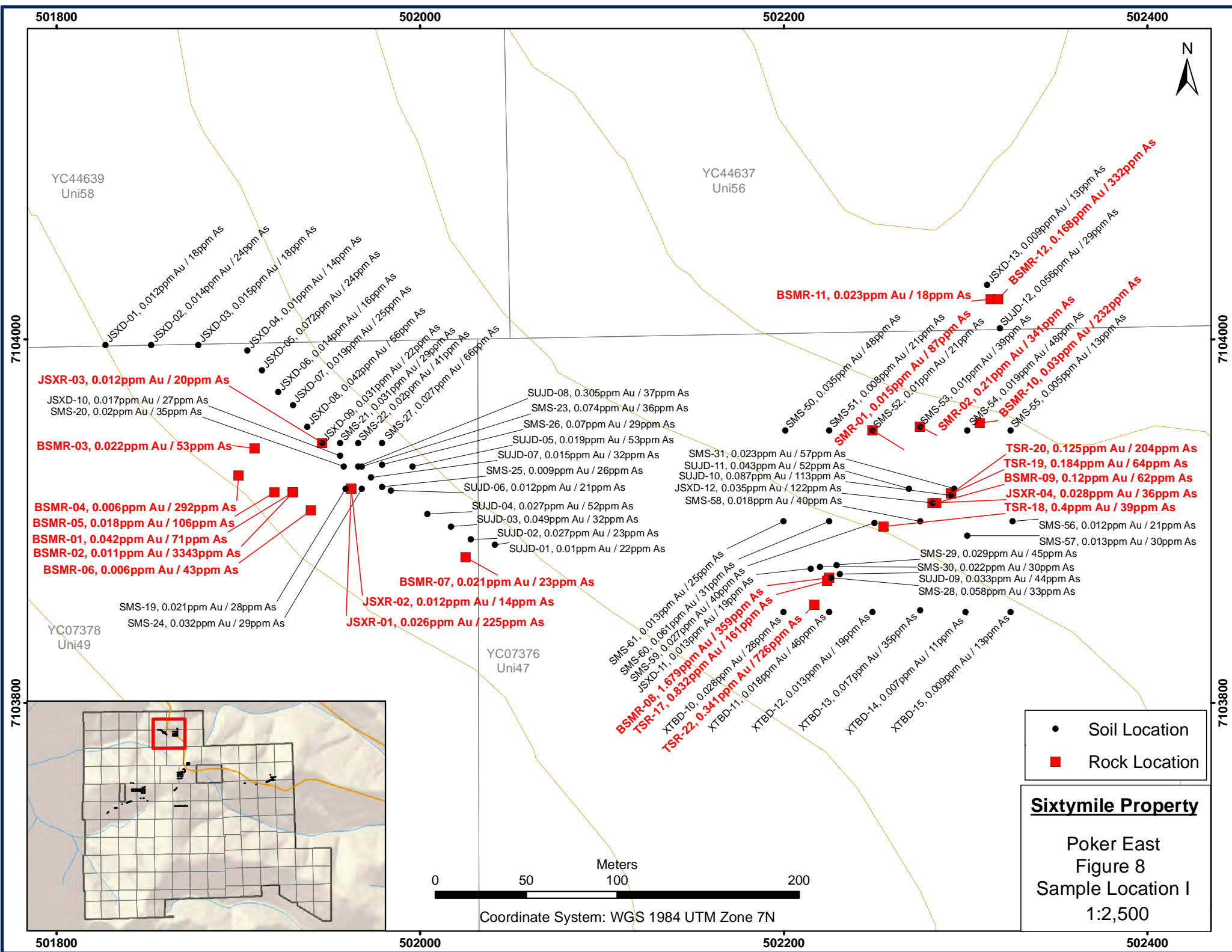
	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As
Au	1.00	0.23	0.43	0.48	0.10	0.46	-0.07	-0.22	-0.22	0.06	0.46
Mo	0.23	1.00	0.38	0.32	0.33	0.05	0.05	0.01	0.20	0.34	0.52
Cu	0.43	0.38	1.00	0.08	0.65	0.35	0.52	0.07	-0.09	0.40	0.62
Pb	0.48	0.32	0.08	1.00	-0.20	0.21	-0.40	-0.28	-0.16	-0.17	0.38
Zn	0.10	0.33	0.65	-0.20	1.00	0.21	0.77	0.42	0.34	0.64	0.22
Ag	0.46	0.05	0.35	0.21	0.21	1.00	0.01	-0.20	-0.09	0.06	0.16
Ni	-0.07	0.05	0.52	-0.40	0.77	0.01	1.00	0.61	0.25	0.68	-0.01
Co	-0.22	0.01	0.07	-0.28	0.42	-0.20	0.61	1.00	0.80	0.72	-0.24
Mn	-0.22	0.20	-0.09	-0.16	0.34	-0.09	0.25	0.80	1.00	0.51	-0.16
Fe	0.06	0.34	0.40	-0.17	0.64	0.06	0.68	0.72	0.51	1.00	0.02
As	0.46	0.52	0.62	0.38	0.22	0.16	-0.01	-0.24	-0.16	0.02	1.00

Glac North, Sample Location III (South)

	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As
Au	1.00	0.34	0.52	-0.09	0.59	0.20	0.55	0.34	0.17	-0.05	-0.19
Mo	0.34	1.00	0.84	-0.18	0.76	0.26	0.35	-0.20	0.00	0.37	-0.37
Cu	0.52	0.84	1.00	-0.13	0.88	0.19	0.65	0.05	0.18	0.27	-0.31
Pb	-0.09	-0.18	-0.13	1.00	-0.40	-0.16	0.05	0.61	0.35	-0.31	0.84
Zn	0.59	0.76	0.88	-0.40	1.00	0.31	0.46	-0.21	-0.05	0.27	-0.54
Ag	0.20	0.26	0.19	-0.18	0.31	1.00	-0.06	-0.33	-0.10	-0.35	-0.33
Ni	0.55	0.35	0.65	0.05	0.46	-0.06	1.00	0.49	0.76	-0.04	0.19
Co	0.34	-0.20	0.05	0.61	-0.21	-0.35	0.49	1.00	0.64	0.01	0.62
Mn	0.17	0.00	0.18	0.35	-0.05	-0.10	0.76	0.64	1.00	-0.11	0.62
Fe	-0.05	0.37	0.27	-0.31	0.27	-0.35	-0.04	0.01	-0.11	1.00	-0.24
As	-0.19	-0.37	-0.31	0.84	-0.54	-0.35	0.19	0.62	0.62	-0.24	1.00

Glac North, Sample Location III

	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As
Au	1.00	0.08	-0.05	-0.25	0.26	0.23	0.00	0.01	0.19	0.17	0.43
Mo	0.08	1.00	0.04	0.07	0.34	0.07	-0.06	0.01	0.05	0.03	0.06
Cu	-0.05	0.04	1.00	0.08	0.28	0.05	0.13	0.35	0.32	0.44	0.33
Pb	-0.25	0.07	0.08	1.00	0.03	0.01	-0.05	0.01	0.09	0.01	-0.15
Zn	0.26	0.34	0.28	0.03	1.00	0.73	0.09	0.41	0.72	0.57	0.76
Ag	0.23	0.07	0.05	0.01	0.73	1.00	-0.08	0.08	0.61	0.24	0.64
Ni	0.00	-0.06	0.13	-0.05	0.09	-0.08	1.00	0.84	0.47	0.61	0.11
Co	0.01	0.01	0.35	0.01	0.41	0.08	0.84	1.00	0.70	0.78	0.33
Mn	0.19	0.05	0.32	0.09	0.72	0.61	0.47	0.70	1.00	0.72	0.63
Fe	0.17	0.03	0.44	0.01	0.57	0.24	0.61	0.78	0.72	1.00	0.50
As	0.43	0.06	0.33	-0.15	0.76	0.64	0.11	0.33	0.63	0.50	1.00



501800 502000 502200 502400



YC44639
Uni58

YC44637
Uni56

7104000

7104000

JSXR-03, 0.012ppm Au / 20ppm As

JSXD-10, 0.017ppm Au / 27ppm As
 SMS-20, 0.02ppm Au / 35ppm As

BSMR-03, 0.022ppm Au / 53ppm As

BSMR-04, 0.006ppm Au / 292ppm As
BSMR-05, 0.018ppm Au / 106ppm As
BSMR-01, 0.042ppm Au / 71ppm As
BSMR-02, 0.011ppm Au / 3343ppm As
BSMR-06, 0.006ppm Au / 43ppm As

SMS-19, 0.021ppm Au / 28ppm As
 SMS-24, 0.032ppm Au / 29ppm As

YC07378
Uni49

SUJD-08, 0.305ppm Au / 37ppm As
 SMS-23, 0.074ppm Au / 36ppm As
 SMS-26, 0.07ppm Au / 29ppm As
 SUJD-05, 0.019ppm Au / 53ppm As
 SUJD-07, 0.015ppm Au / 32ppm As
 SMS-25, 0.009ppm Au / 26ppm As
 SUJD-06, 0.012ppm Au / 21ppm As
 SUJD-04, 0.027ppm Au / 52ppm As
 SUJD-03, 0.049ppm Au / 32ppm As
 SUJD-02, 0.027ppm Au / 23ppm As
 SUJD-01, 0.01ppm Au / 22ppm As

BSMR-07, 0.021ppm Au / 23ppm As

JSXR-02, 0.012ppm Au / 14ppm As
JSXR-01, 0.026ppm Au / 225ppm As

YC07376
Uni47

BSMR-11, 0.023ppm Au / 18ppm As

SMS-50, 0.035ppm Au / 48ppm As
 SMS-51, 0.008ppm Au / 21ppm As
 SMS-52, 0.01ppm Au / 21ppm As
 SMS-53, 0.01ppm Au / 39ppm As
 SMS-54, 0.019ppm Au / 48ppm As
 SMS-55, 0.005ppm Au / 13ppm As

SMR-01, 0.015ppm Au / 87ppm As
SMR-02, 0.21ppm Au / 341ppm As
BSMR-10, 0.03ppm Au / 232ppm As

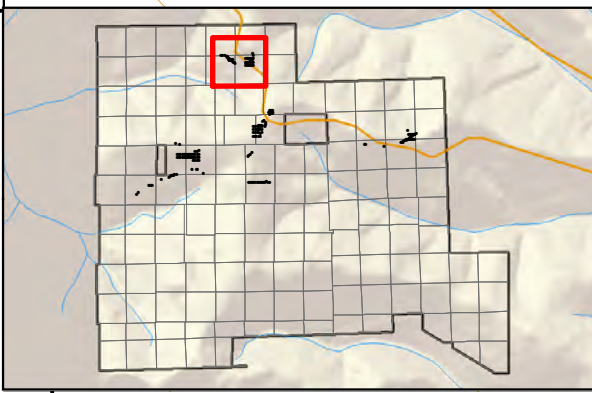
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TSR-19, 0.184ppm Au / 64ppm As
BSMR-09, 0.12ppm Au / 62ppm As
JSXR-04, 0.028ppm Au / 36ppm As
TSR-18, 0.4ppm Au / 39ppm As

SMS-56, 0.012ppm Au / 21ppm As
 SMS-57, 0.013ppm Au / 30ppm As
 SMS-29, 0.029ppm Au / 45ppm As
 SMS-30, 0.022ppm Au / 30ppm As
 SUJD-09, 0.033ppm Au / 44ppm As
 SMS-28, 0.058ppm Au / 33ppm As

SMS-61, 0.013ppm Au / 25ppm As
 SMS-60, 0.061ppm Au / 31ppm As
 SMS-59, 0.027ppm Au / 40ppm As
 JSXD-11, 0.013ppm Au / 19ppm As
BSMR-08, 1.679ppm Au / 359ppm As
TSR-17, 0.832ppm Au / 161ppm As
TSR-22, 0.341ppm Au / 726ppm As
 XTBD-10, 0.028ppm Au / 28ppm As
 XTBD-11, 0.018ppm Au / 46ppm As
 XTBD-12, 0.013ppm Au / 19ppm As
 XTBD-13, 0.017ppm Au / 35ppm As
 XTBD-14, 0.007ppm Au / 11ppm As
 XTBD-15, 0.009ppm Au / 13ppm As

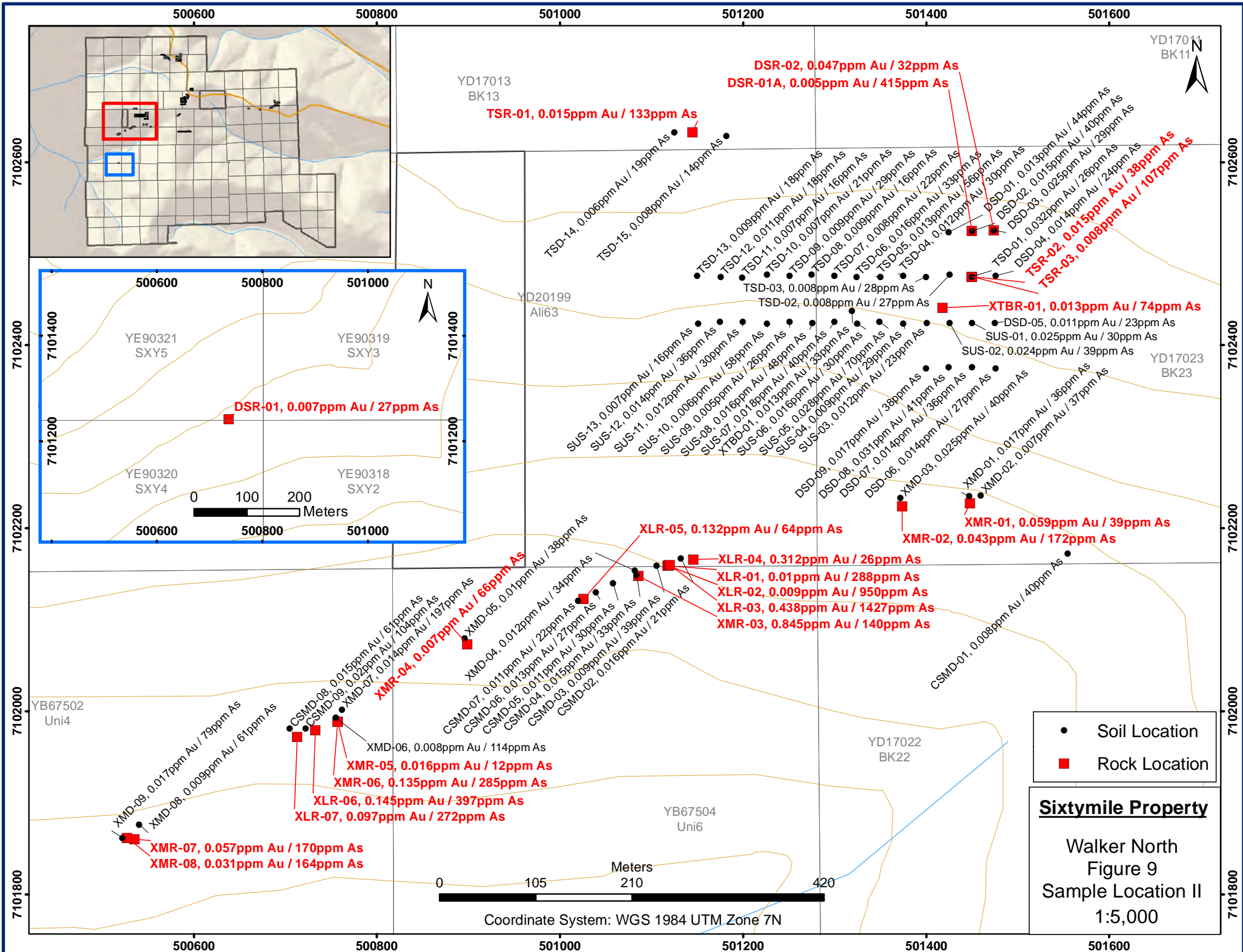
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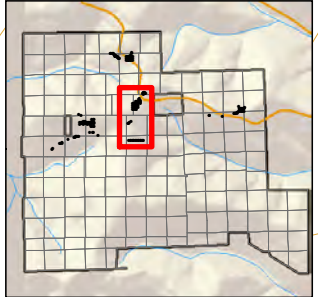
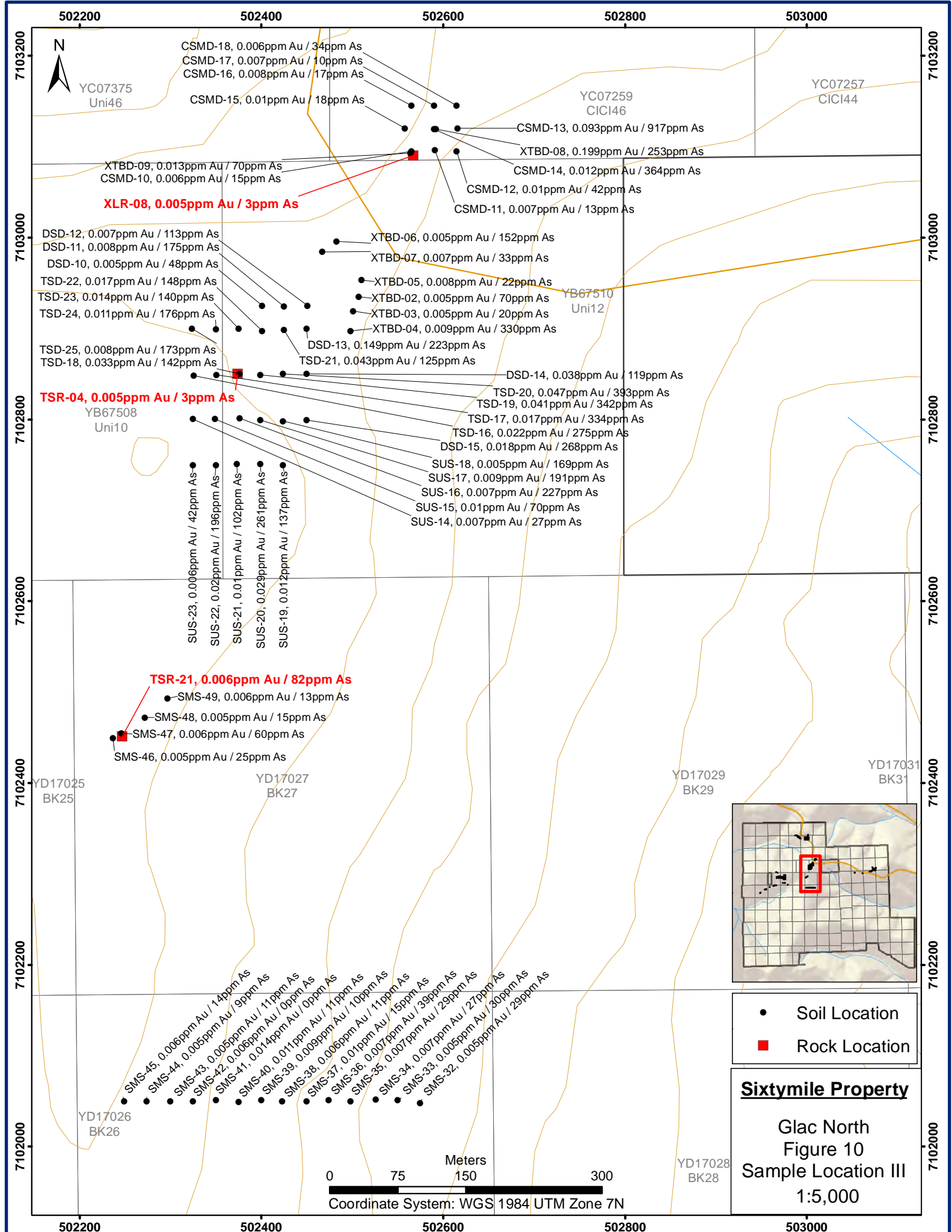
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Coordinate System: WGS 1984 UTM Zone 7N

501800 502000 502200 502400





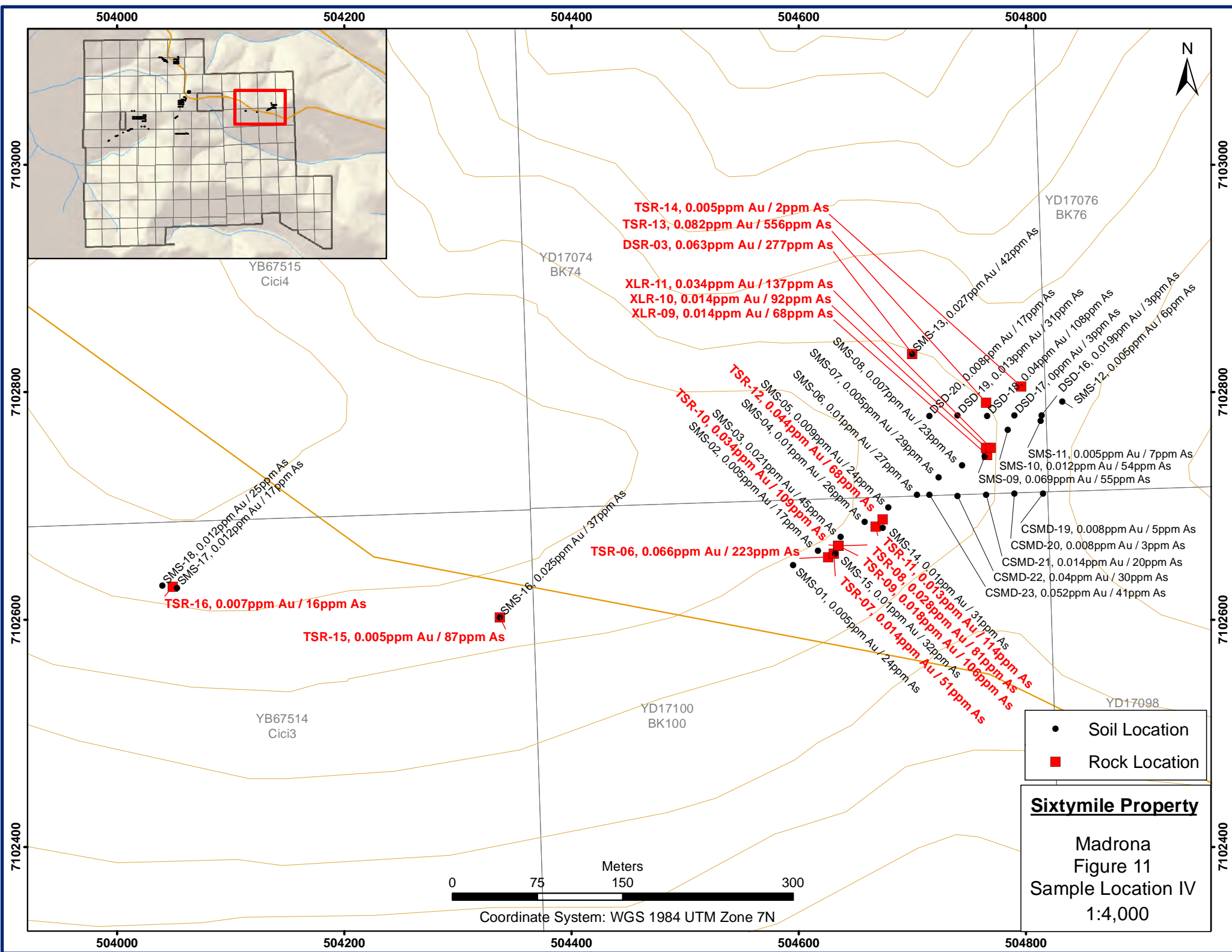
Legend

- Soil Location
- Rock Location

Sixtymile Property

Glac North
Figure 10
Sample Location III
1:5,000

0 75 150 300
Meters
Coordinate System: WGS 1984 UTM Zone 7N



Data Verification

It is the Authors opinion that the sampling procedures, security measures, sample preparations, and analytical methods applied to the rock samples were diligently followed and are adequate to meet industry standards commonly accepted for this level of exploration. The Author has relied upon the adequacy and accuracy of the analytical results provided by BV. Independent verification of those results has not been undertaken.

Due to an insufficient sample size, two of the soil samples taken, SMS-41 and SMS-42, did not return any results in either the fire assay or ICP. Sample DSD-17 returned ICP results but no fire assay. Results for sample SMS-45A were recorded however coordinates were lost. Two samples recorded as DSR-01 appear on two separate assay certificates for the job, certificate WHI18000906.1 refers to DSR-01a. Rock sample TSR-05 was labeled "Listed not Received" with the lab, no data from this sample was included with the report.

Interpretation and Conclusion

The 2018 surface program was successful in identifying anomalous gold-in-soil trends as well as several anomalous rock samples. The various anomalies defined by 2018 fieldwork appear to have relatively unique geochemical signatures; this may indicate multiple mineralizing events. Further defining and isolating of these domains may assist in delineating trends, mineralization and alteration unique to specific areas.

The Sixtymile district remains one of the most underexplored regions in the Dawson area, with significant potential for bedrock gold mineralization based on the presence of robust placer gold deposits coupled with bedrock geology proven favorable in other areas. Soil geochemical grids and ridge and spur reconnaissance lines are common preliminary exploration tools, however, and unlike Dawson Range, anomalies in the Sixtymile area may not be as pronounced or prevalent due to significant colluvium and occasional permafrost limiting penetration depths of hand augers and providing a masking or muting effect of the target soil horizons. Additionally, there appears to be a strong correlation between silicification and gold with the erosion resistant silicified bodies likely providing a significantly smaller percentage of the local soil material than nearby more readily eroded and less mineralized units. This may result in a situation where smaller aerially restricted or lower order soil anomalies may be more significant than first assumed. There are also indications of a possible nugget effect noted within area soils. Two soil samples, XTBD-08 and CSMD-14, taken immediately adjacent to each other, returned gold values of 0.199 and 0.012 ppm Au, with this large variation in values possibly attributable to the presence of coarse particulate gold. Further work is required to confirm this possibility, and if confirmed what effect it may have on the interpretation of analytical results from sampling conducted on the property.

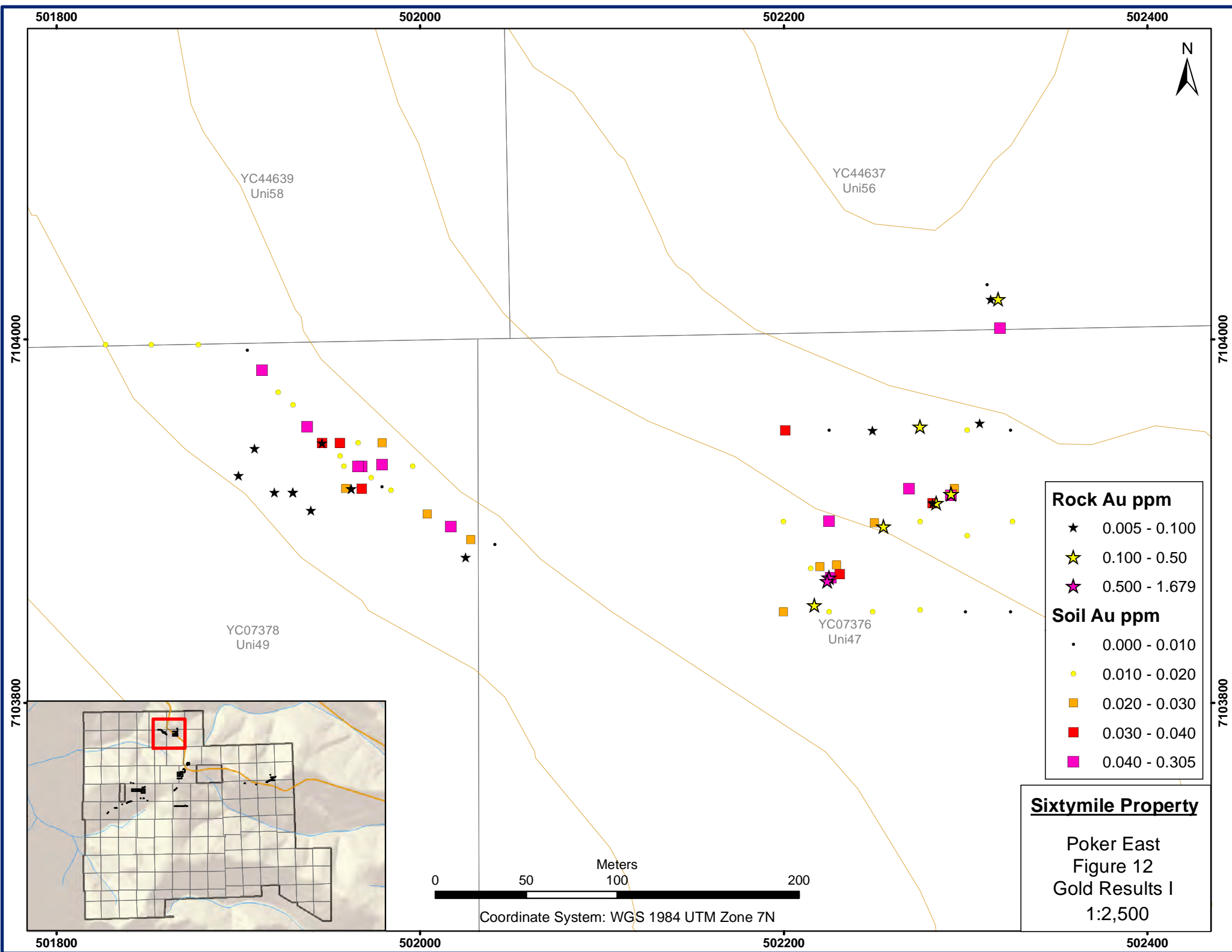
Recommendations

Based on the highly prospective nature of the region from placer activity, the ease of access and the favourable results from previous and current hard rock activity it is recommended that work continue on the Sixtymile property. This should include compiling and digitizing historical data and merging it with current data to assist in further defining targets. In particular: geophysical magnetic data, soil geochemical, stream sediment and rock assay should be georeferenced or obtained from previous exploration programs if possible.

Open ended soil anomalies exposed from previous and current programs should be closed off with additional grids. This would include: 1) soil grids over Poker West; 2) filling in gaps on Poker East; 3) soil grids on Walker South; 4) soil grids on Glac; 5) close off the open Glac North soil grid; 6) soil grids on Ferkel; 7) soil grid over MC; and 8) detailed soil grids over three soil anomalies labeled Soil 120, Soil 104 and Soil 354. Ridge and spur sampling should be conducted throughout remaining untested areas of the property. Further work is also required at Madrona, where a large area of moderately to intensely silicified and brecciated rock coincident with scattered gold in soil anomalies may represent a high level epithermal gold target which may contain increased gold values at depth. Gold anomalies encountered by this work should be followed up with trenching as the majority of these areas are easily accessible for excavators. Significant anomalous zones encountered by trenching should be further explored by ground based magnetics and possibly IP and CSAMT in an effort to define structure as well as locate and image silicified bodies. Coincident geophysical and geochemical targets outlined by this work should be subjected to a depth test by diamond, RC or RAB drilling.

References

- Allan, M.A., Mortensen J.K.M., Hart, C.J.R., Sanchez, M.G., Bailey, L.A., and McKenzie, G.G., 2013. Metallogenic framework for the White Gold and Dawson Range districts of west-central Yukon and eastern Alaska: Economic Geology, Special Publication 17, pp. 111 - 168
- Hulstein, R.W., Clark, D., Colombo, F. and Fleurant, S., 2010. Report on the Sixty Mile property 2010 geological, geochemical, geophysical & auger, RAB and diamond drilling. Energy, Mines and Resources Property File Collection, 096208.
- Mortensen, J.K., 1996. Geological Compilation Maps of the Northern Stewart River Area, Klondike and Sixtymile Districts (115N/15, 16, 115O/13, 14 and Parts of 115 O/15, 16). Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division, Open File 1996-1(G).



YC44639
Uni58

YC44637
Uni56

YC07378
Uni49

YC07376
Uni47

Rock Au ppm

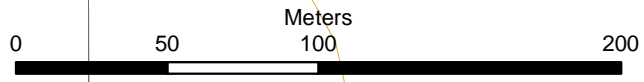
- ★ 0.005 - 0.100
- ★ 0.100 - 0.50
- ★ 0.500 - 1.679

Soil Au ppm

- 0.000 - 0.010
- 0.010 - 0.020
- 0.020 - 0.030
- 0.030 - 0.040
- 0.040 - 0.305

Sixtymile Property

Poker East
Figure 12
Gold Results I
1:2,500



Coordinate System: WGS 1984 UTM Zone 7N

7104000

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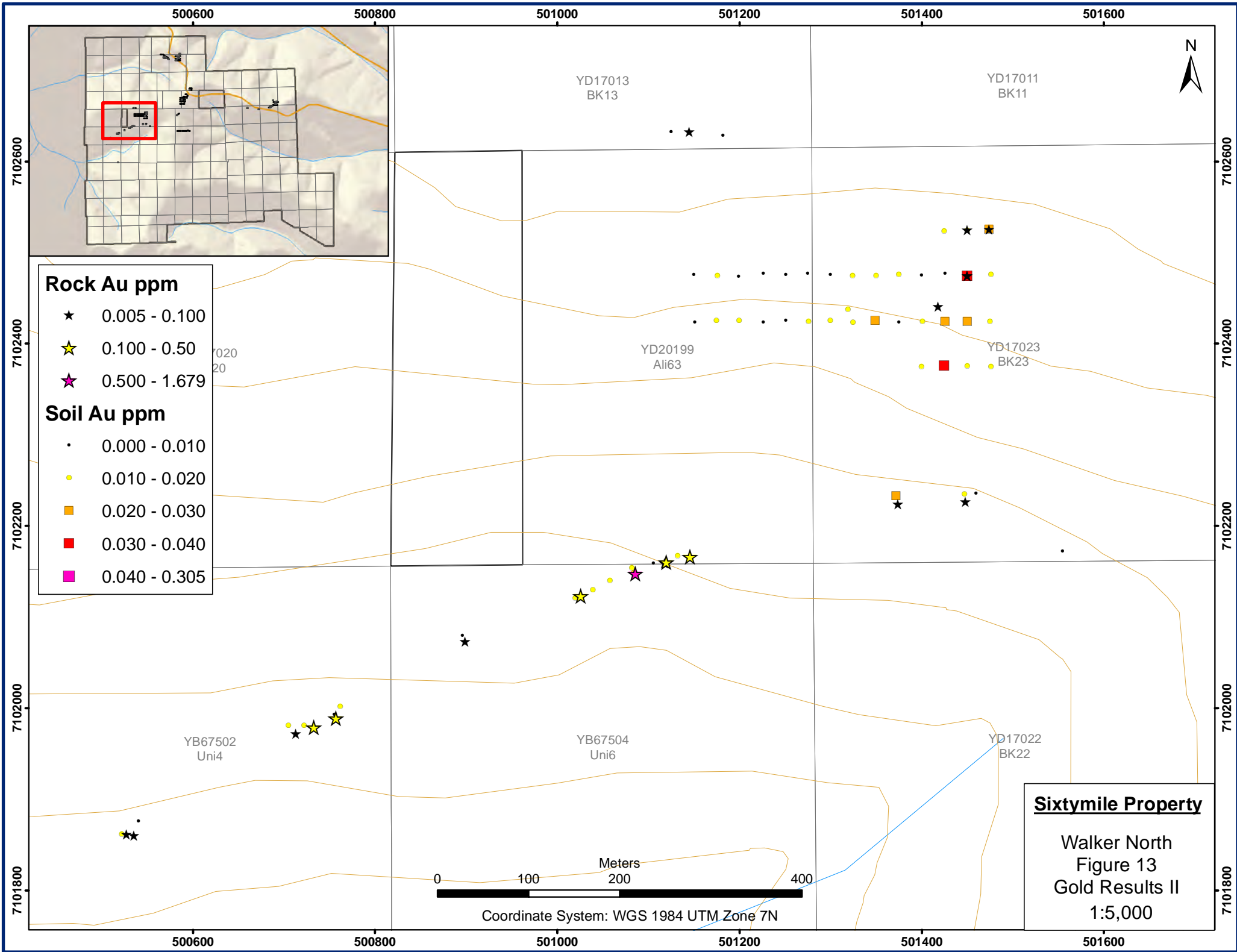
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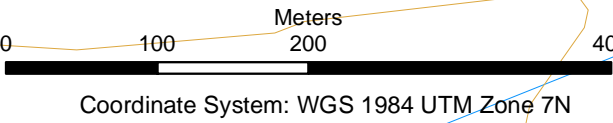
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- Rock Au ppm**
- ★ 0.005 - 0.100
 - ☆ 0.100 - 0.50
 - ☆ 0.500 - 1.679
- Soil Au ppm**
- 0.000 - 0.010
 - 0.010 - 0.020
 - 0.020 - 0.030
 - 0.030 - 0.040
 - 0.040 - 0.305

Sixtymile Property

Walker North
 Figure 13
 Gold Results II
 1:5,000



YB67502
Uni4

YB67504
Uni6

YD17022
BK22

YD17013
BK13

YD17011
BK11

YD20199
Ali63

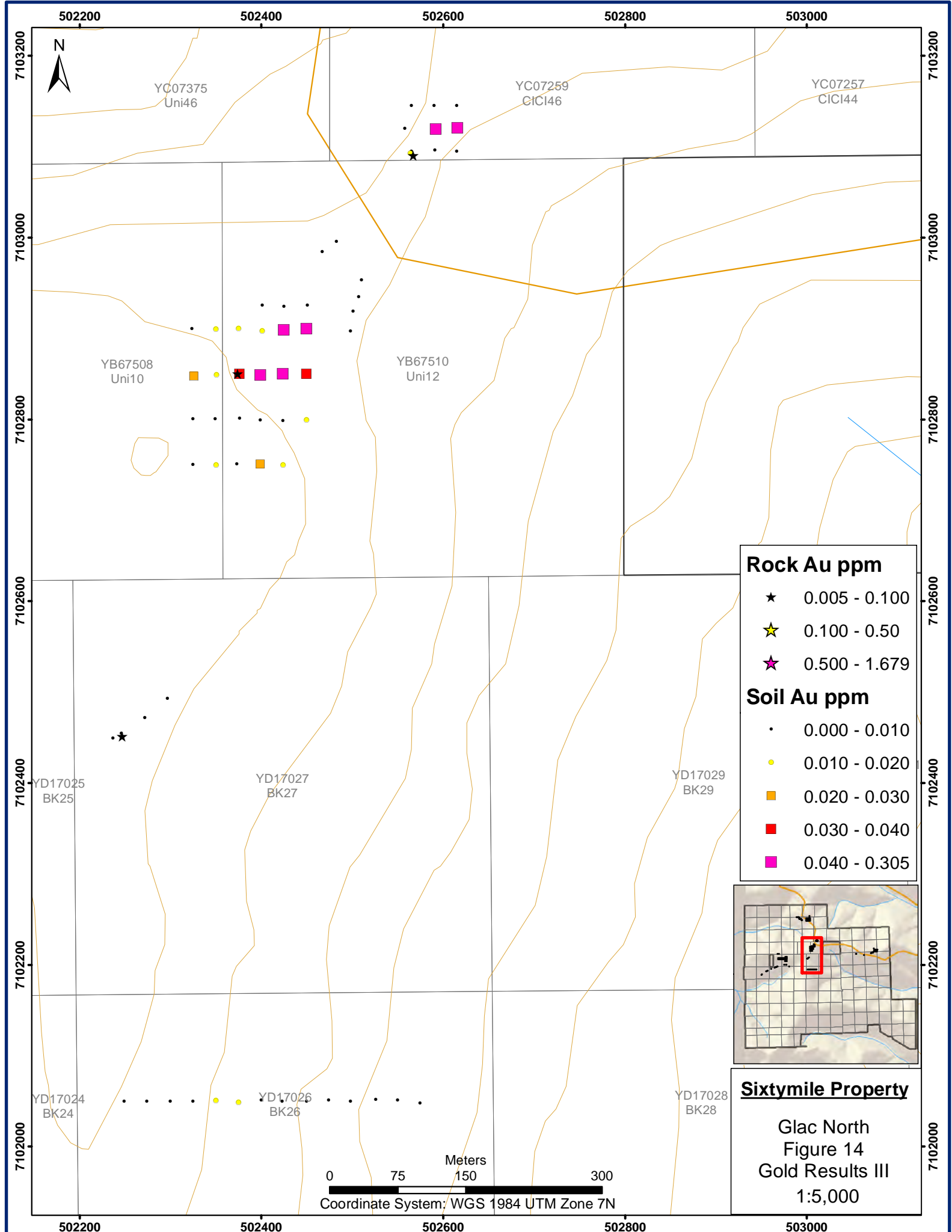
YD17023
BK23

7102600
7102400
7102200
7102000
7101800

7102600
7102400
7102200
7102000
7101800

500600 500800 501000 501200 501400 501600

500600 500800 501000 501200 501400 501600

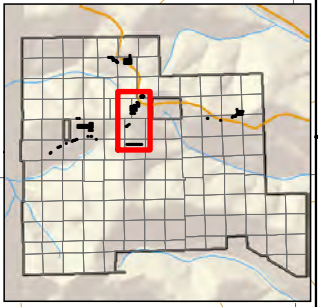


Rock Au ppm

- ★ 0.005 - 0.100
- ★ 0.100 - 0.50
- ★ 0.500 - 1.679

Soil Au ppm

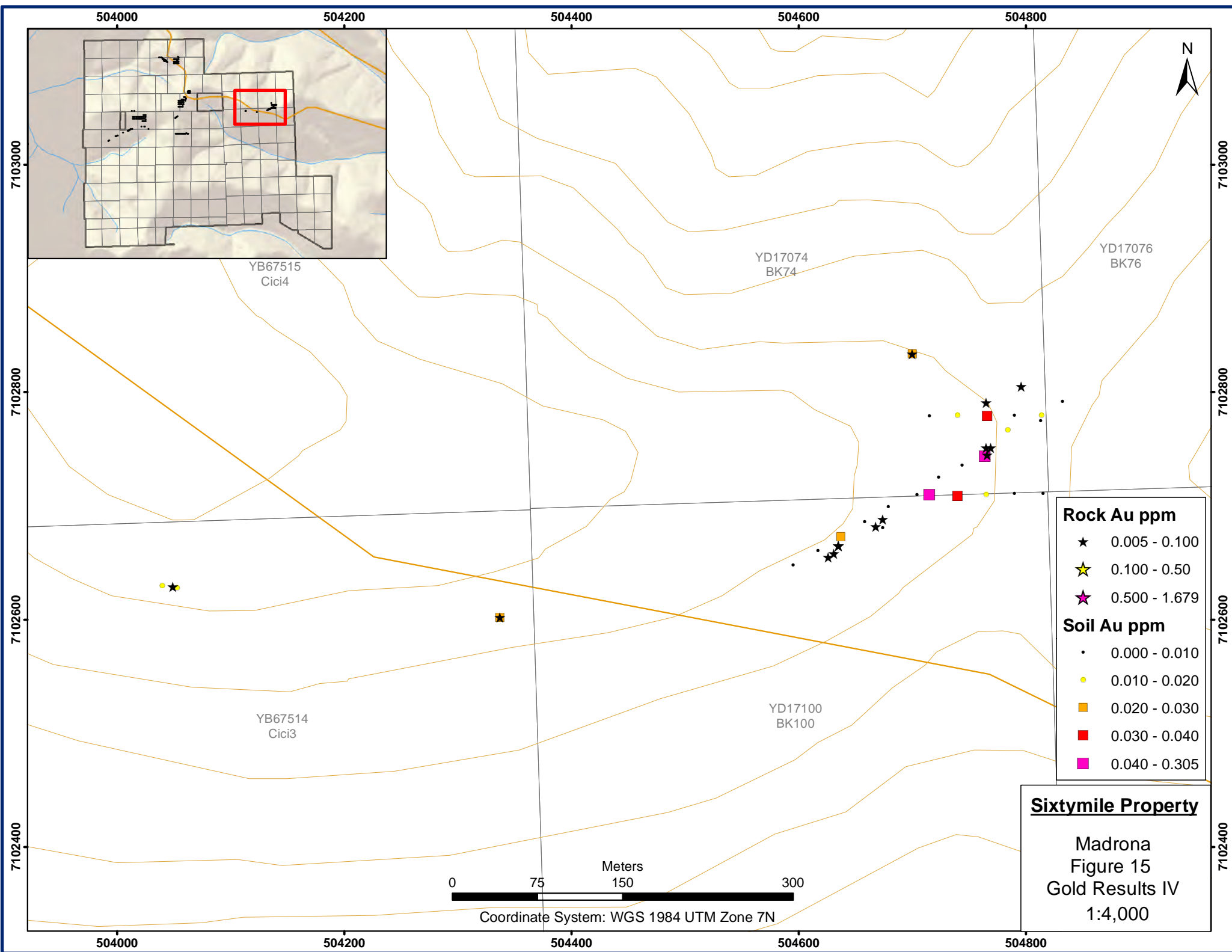
- 0.000 - 0.010
- 0.010 - 0.020
- 0.020 - 0.030
- 0.030 - 0.040
- 0.040 - 0.305

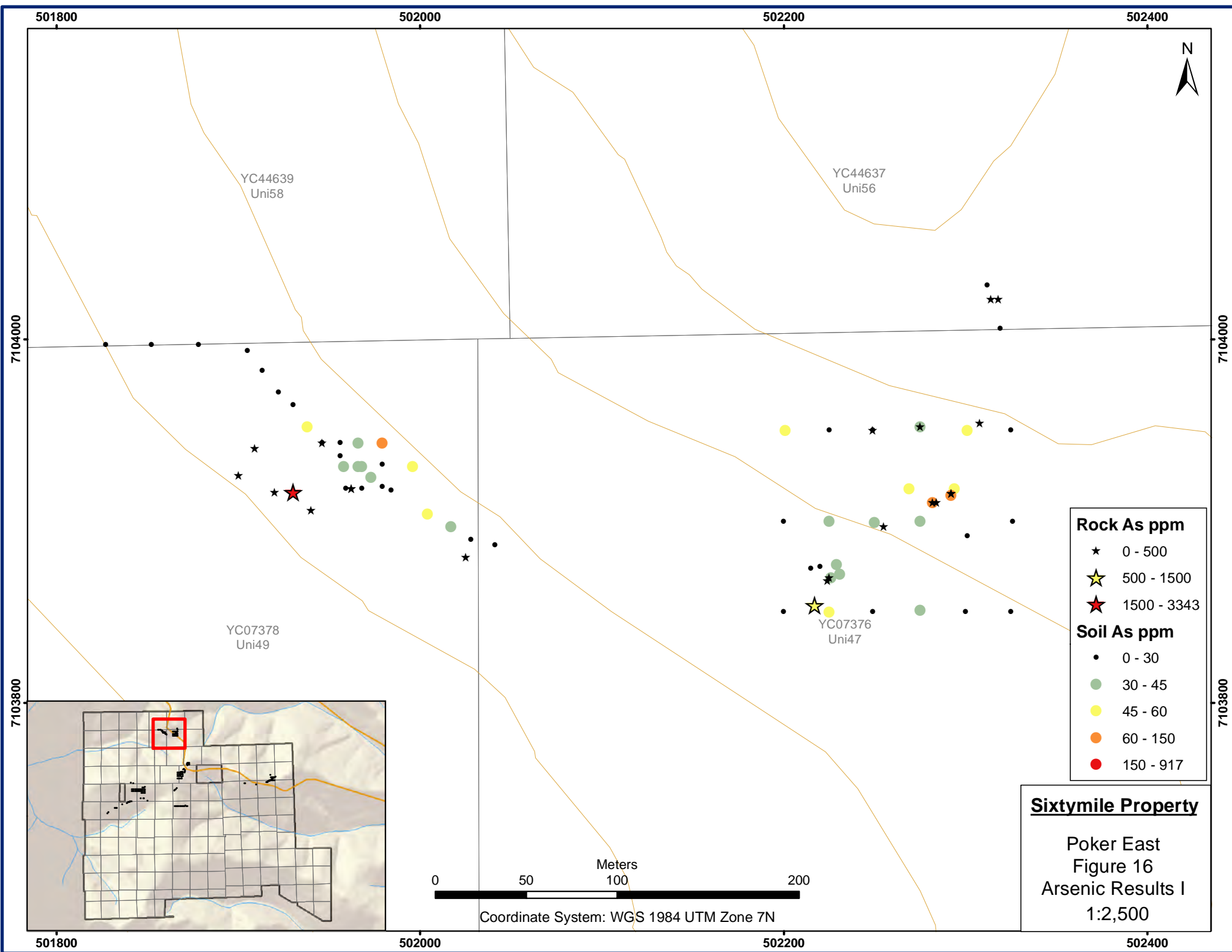


Sixtymile Property

Glac North
 Figure 14
 Gold Results III
 1:5,000

0 75 150 300
 Meters
 Coordinate System: WGS 1984 UTM Zone 7N





501800

502000

502200

502400



YC44639
Uni58

YC44637
Uni56

YC07378
Uni49

YC07376
Uni47

Rock As ppm

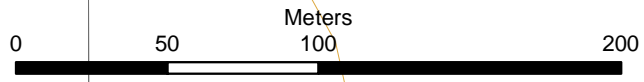
- ★ 0 - 500
- ★ 500 - 1500
- ★ 1500 - 3343

Soil As ppm

- 0 - 30
- 30 - 45
- 45 - 60
- 60 - 150
- 150 - 917

Sixtymile Property

Poker East
Figure 16
Arsenic Results I
1:2,500



Coordinate System: WGS 1984 UTM Zone 7N

501800

502000

502200

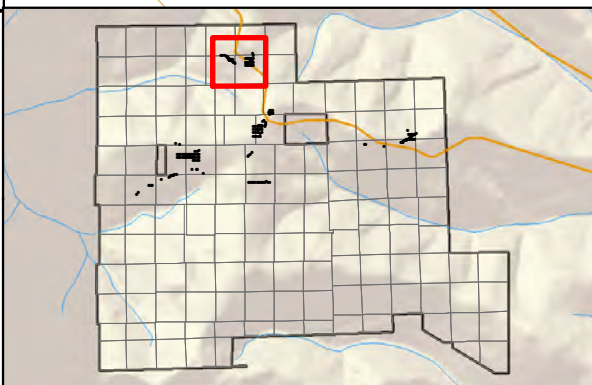
502400

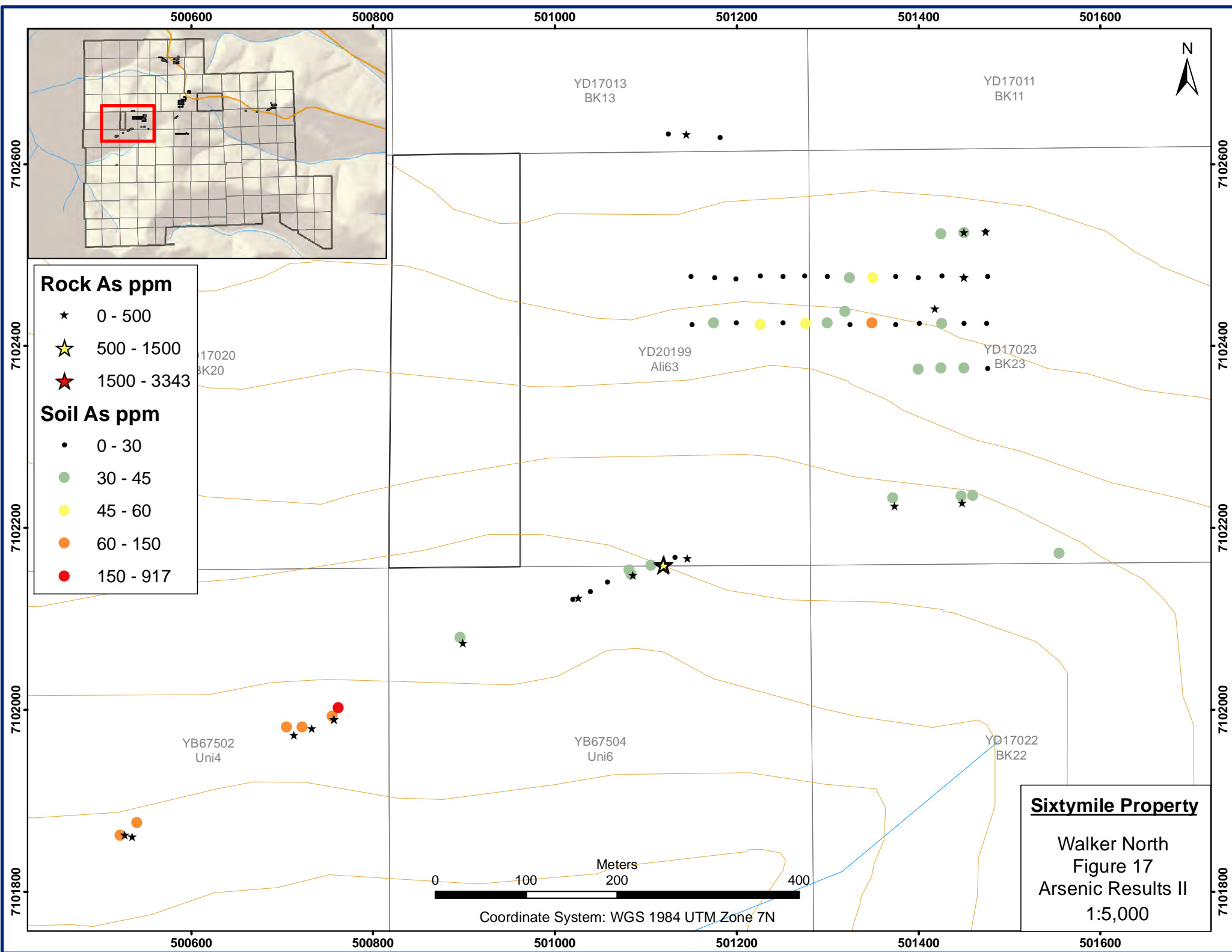
7104000

7104000

7103800

7103800





Rock As ppm

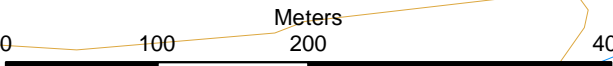
- ★ 0 - 500
- ☆ 500 - 1500
- ★ 1500 - 3343

Soil As ppm

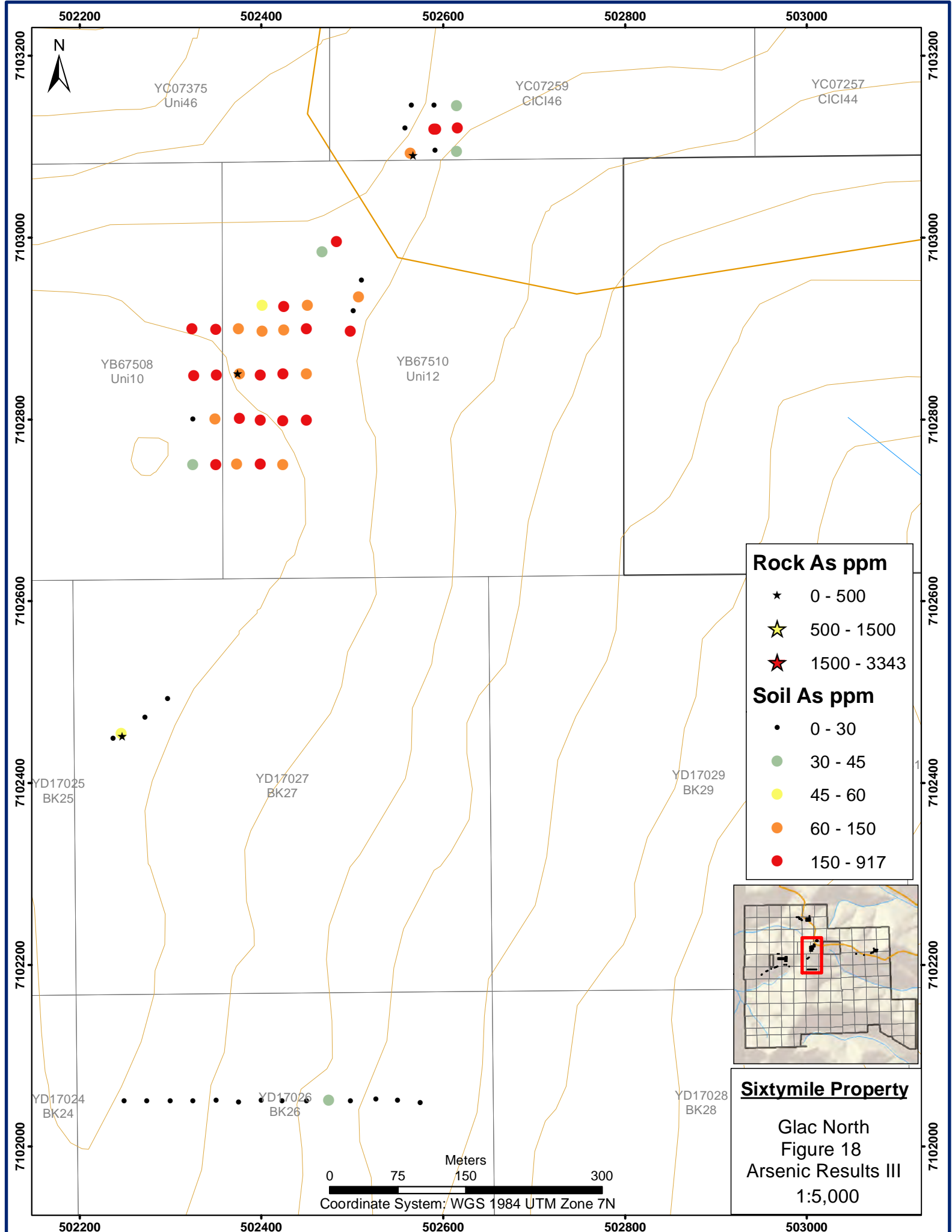
- 0 - 30
- 30 - 45
- 45 - 60
- 60 - 150
- 150 - 917

Sixtymile Property

Walker North
 Figure 17
 Arsenic Results II
 1:5,000



Coordinate System: WGS 1984 UTM Zone 7N

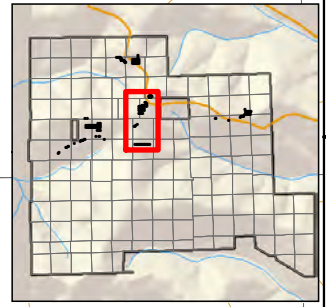


Rock As ppm

- ★ 0 - 500
- ☆ 500 - 1500
- ★ 1500 - 3343

Soil As ppm

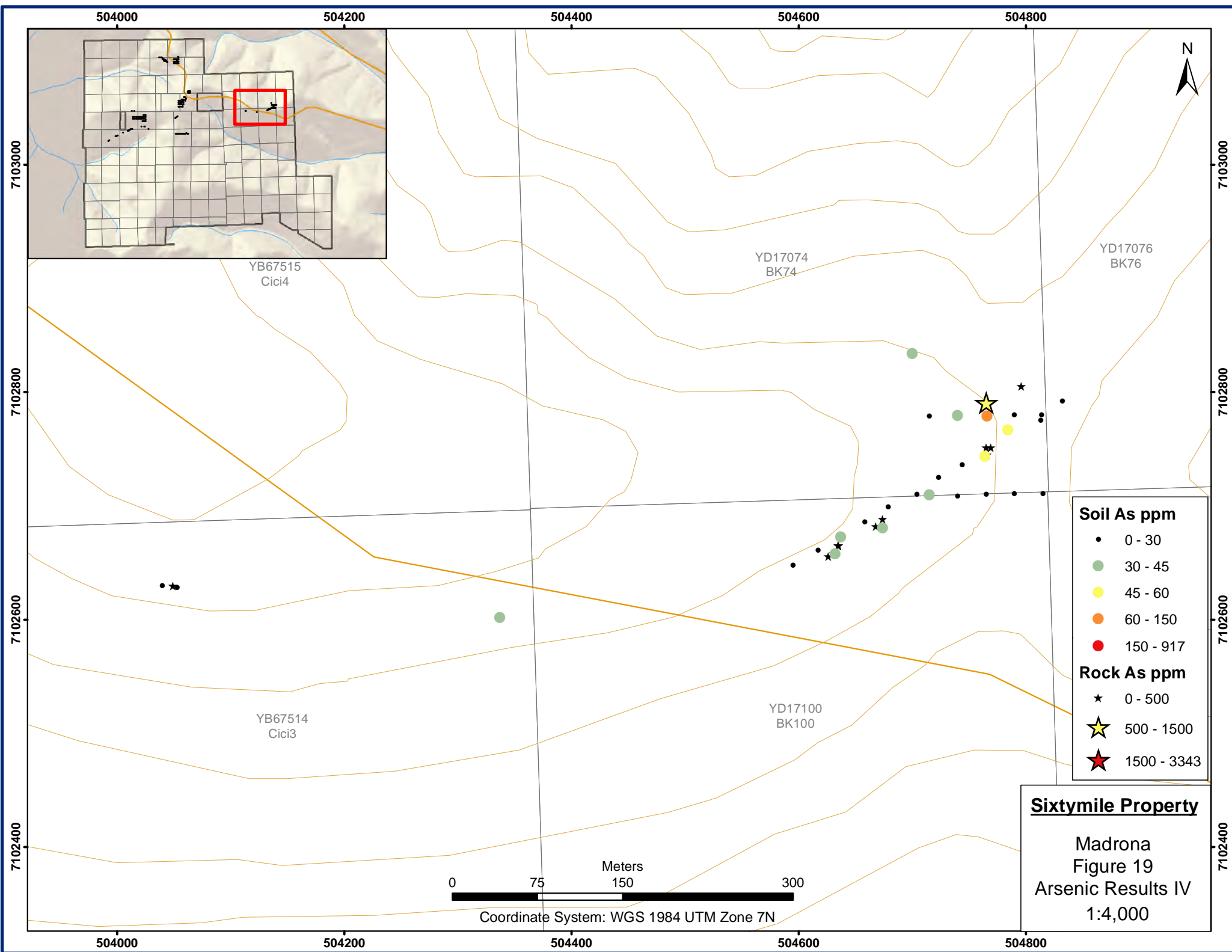
- 0 - 30
- 30 - 45
- 45 - 60
- 60 - 150
- 150 - 917



Sixtymile Property

Glac North
Figure 18
Arsenic Results III
1:5,000

0 75 150 300
Meters
Coordinate System: WGS 1984 UTM Zone 7N



504000

504200

504400

504600

504800

7103000

7103000

7102800

7102800

7102600

7102600

7102400

7102400

YB67515
Cici4

YD17074
BK74

YD17076
BK76

YB67514
Cici3

YD17100
BK100

Soil As ppm

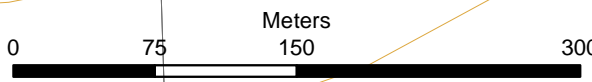
- 0 - 30
- 30 - 45
- 45 - 60
- 60 - 150
- 150 - 917

Rock As ppm

- ★ 0 - 500
- ★ 500 - 1500
- ★ 1500 - 3343

Sixtymile Property

Madrona
Figure 19
Arsenic Results IV
1:4,000



Coordinate System: WGS 1984 UTM Zone 7N



Certificate of Qualifications

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

1. I obtained a Bachelor of Science Degree in Geology from Acadia University (2011), I have completed a Masters of Science in Mineral Exploration from Laurentian University (2018), I have practiced geology in Yukon, British Columbia, Quebec, and New Brunswick continuously since 2011 and I am a Member in good standing with the Association of Professional Geoscientists of Nova Scotia (APGNS #232) and I am a “qualified person” as defined in Section 1.2 in and for the purposes of National Instrument 43-101;
2. I have not visited the Sixtymile Property;
3. I wrote this technical report entitled “Assessment Report on 2018 Surface Work on the Sixtymile Property, Dawson Mining District, Yukon, NTS Sheet 116C02, 64°2’N Latitude and 140°57’ West Latitude” based on my professional experience, a review of relevant reports and maps made available to me from government and corporate sources;
4. I am not aware of any material fact or material change with respect to the subject matter of the report that is not disclosed in the report which, by its omission, makes the report misleading;
5. I hold no direct interest in the Sixtymile property; and
6. I have read, and this report has not been prepared for the purposes, nor in full compliance with, National Instrument 43-101 and according to Form 43-101F1.

Respectfully submitted this 12th day of December 2018,



Marty Huber, MSc, P. Geo.

Appendix A – Statement of Costs

Truck Travel (Whitehorse to property and return 1,324km x 0.60/km)	\$794.40
Bureau Veritas (202 soils, 63 rocks; FA430 30g fire assay and AQ300 ICP)	\$6,949.12
Report Writing Marty Huber pgeo	\$2,200.00
Kreft Crew fees June 11 th to September 9 th , 2018 (9 days x 3 prospectors)	\$9,450.00
Food, Lodging And Exploration Supplies plus Equipment (27 man-days x \$100/day)	<u>\$2,700.00</u>
Total	\$22,093.52
5% management fee	<u>\$1,104.68</u>
Grand Total	\$23,198.20

Appendix B – Soil and Rock Locations and Descriptions

Appendix B - Rock Sample Locations and Descriptions

Sample	Type	NAD83/E	NAD83/N	Descriptions	Au	Ag	As	Sb
BSMR-01	Rock	501930	7103916	brx qtzt with lim cement poss ferricrete	0.042	<0.3	71	5
BSMR-02	Rock	501930	7103916	silicic nasina qtzt with qtz vns (vuggy) and lim on frac	0.011	<0.3	3343	<3
BSMR-03	Rock	501909	7103940	brx and lim qtz schist vuggy in part	0.022	1.5	53	6
BSMR-04	Rock	501900	7103925	qtz brx vn or brx phyll with 90% qtz and 10% phyll minor lim vuggy in part	0.006	<0.3	292	<3
BSMR-05	Rock	501920	7103916	brx and bleached nasina qtzt poss vfg black sulph on frac faces or graphite	0.018	0.3	106	<3
BSMR-06	Rock	501940	7103906	qtz vns vuggy in part cutting graphitic qtzt	0.006	<0.3	43	<3
BSMR-07	Rock	502025	7103880	fine qtz stkwrk cutting graphitic qtzt larger qv are lim and vuggy	0.021	<0.3	23	<3
BSMR-08	Rock	502225	7103869	lim and weakly brx and stkwrk qtzt	1.679	1.6	359	19
BSMR-09	Rock	502284	7103910	beige/grey qtzt brx silicic and vuggy with lim on frac and in vugs	0.120	0.6	62	4
BSMR-10	Rock	502308	7103954	qtz lim brx	0.030	1.0	232	11
BSMR-11	Rock	502314	7104022	from 206/26 trending qvs and adjacent qtzt	0.023	<0.3	18	<3
BSMR-12	Rock	502318	7104022	from 94/274 trending qvs are narrower than BSMR-11	0.168	<0.3	332	<3
DSR-01	Rock	500737	7101242	lim graphitic phyll with frac control vns	0.007	0.3	27	<3
DSR-01A	Rock	501450	7102525	from soil pit, limonitic qtzt cut by 1cm qtz lim vn	<0.005	<0.3	415	<3
DSR-02	Rock	501474	7102526	lim qtz ser schist cut by stkwrk of qtz lim frac	0.047	0.9	32	6
DSR-03	Rock	504700	7102834	silicic vuggy pitted cocks comb qtz lim rock	0.063	<0.3	277	3
JSXR-01	Rock	501962	7103918	brx and lim nasina series qtzt or schist	0.026	0.6	225	8
JSXR-02	Rock	501962	7103918	nasina sereis qtzt cut by stkwrk qvs with lim and vuggy in part	0.012	0.3	14	<3
JSXR-03	Rock	501946	7103943	brx and lim nasina series qtzt or schist with lots of brx qtz frags in rock	0.012	<0.3	20	<3
JSXR-04	Rock	502282	7103910	nasina series schist cut by vuggy qtz stkwrk with lim	0.028	<0.3	36	<3
SMR-01	Rock	502249	7103950	graphitic qtzt with several meramorph qtz bonds	0.015	<0.3	87	<3
SMR-02	Rock	502275	7103952	graphitic qtzt brx with vuggy qtz cement and soft sugary lim cement	0.21	0.5	341	8
TSR-01	Rock	501145	7102633	weathered (intensely) lim sericite rock	0.015	1.9	133	11
TSR-02	Rock	501450	7102475	qtz lim cemented brx nasina series qtzt	0.015	<0.3	38	<3
TSR-03	Rock	501450	7102475	as above significantly more brx lim and vuggy cement	0.008	<0.3	107	6
TSR-04	Rock	502374	7102850	nasina qtzt lim with vuggy veinlet silicic	<0.005	<0.3	3	<3
TSR-06	Rock	504626	7102655	carbonaceous phyll cut by bladed, sugary, vuggy qtz vn and cement trace diss py, silicic	0.066	1.5	223	<3
TSR-07	Rock	504631	7102658	vuggy lim qtz phyll brx silicic	0.014	<0.3	51	<3
TSR-08	Rock	504635	7102665	graphitic phyll cut by vuggy and lim qtz stkwrk and silicic	0.028	<0.3	81	<3
TSR-09	Rock	504635	7102665	as above bleached trace diss py	0.018	<0.3	106	<3
TSR-10	Rock	504635	7102665	carbonaceous sed mod brx and stkwrk vuggy qtz variably lim silicic	0.034	2.7	109	4
TSR-11	Rock	504668	7102682	brx qtz phyll infilled with vuggy and lim silicic	0.013	0.3	114	<3
TSR-12	Rock	504674	7102688	vuggy qtz phyll brx minor lim	0.044	2.2	68	<3
TSR-13	Rock	504765	7102791	qtz carbonaceous sed brx cement sugary and vuggy extremely silicic	0.082	<0.3	556	6
TSR-14	Rock	504796	7102805	intermdiate qtz ppy int weak clay alt	<0.005	<0.3	<2	<3

Appendix B - Rock Sample Locations and Descriptions

Sample	Type	NAD83/E	NAD83/N	Descriptions	Au	Ag	As	Sb
TSR-15	Rock	504337	7102602	bleached lim qtzt cut by narrow qtz stringers, bleached cavities poss bedding related	<0.005	<0.3	87	4
TSR-16	Rock	504049	7102629	brx qtzt lim vuggy with a little bit of qtz cement	0.007	<0.3	16	<3
TSR-17	Rock	502224	7103867	silicic and lim graphitic qtzt minor qtz stkwrk and brx, vns vuggy in part 1m chip sample	0.832	1.2	161	13
TSR-18	Rock	502255	7103897	as per TSR-17 less silicic	0.4	0.5	39	6
TSR-19	Rock	502292	7103915	5cm wide qtz lim vn trace aspy	0.184	0.6	64	<3
TSR-20	Rock	502292	7103915	qtz veined carbonaceous phyll minor vugs and lim	0.125	0.5	204	4
TSR-21	Rock	502247	7102451	lim qtz vn trace diss py	0.006	0.6	82	3
TSR-22	Rock	502217	7103854	silicic and brx graphitic phyll with vuggy and lim qtz cement angular cobble	0.341	1.6	726	10
XLR-01	Rock	501118	7102159	ferruginous vfg brx zone cutting nasina qtzt poss sericite or vfg py in brx	0.010	0.4	288	24
XLR-02	Rock	501119	7102159	brx qtz cemented yellow to brown limonite	0.009	0.8	950	42
XLR-03	Rock	501120	7102160	limonitic brecciated silicic and vuggy qtzt	0.438	12.3	1427	712
XLR-04	Rock	501146	7102166	brx nasina qtzt with qtz cement; minor lim in cement along margins	0.312	0.5	26	<3
XLR-05	Rock	501026	7102123	lim silicic vuggy weakly py qtzt	0.132	1.8	64	13
XLR-06	Rock	500733	7101979	resample of XMR-06	0.145	4.2	397	9
XLR-07	Rock	500713	7101972	silicic nasina qtzt with vfg wispy py and qtz carb vn trace diss cubic py weakly lim	0.097	1.5	272	16
XLR-08	Rock	502567	7103090	weakly pyritic and lim qtz ppy	<0.005	<0.3	3	<3
XLR-09	Rock	504766	7102745	qtzt cut by vuggy qv's	0.014	<0.3	68	<3
XLR-10	Rock	504765	7102751	rep grabs of heavily silicic vuggy and weakly lim qtz bldrs	0.014	0.4	92	<3
XLR-11	Rock	504769	7102751	rep grabs as above but with poss trace aspy wispy as wellas diss sulphide	0.034	0.3	137	4
XMR-01	Rock	501448	7102227	brx and silicic graphitic argillite with qtz-carb stwwrk and infilling	0.059	1.2	39	7
XMR-02	Rock	501374	7102224	brx and lim qtz sericite schist trace diss py rare x-cutting veinlets or lim lined fracs	0.043	0.8	172	13
XMR-03	Rock	501086	7102148	lim weakly brx leached and bleached qtzt with a few vuggy areas	0.845	1.3	140	13
XMR-04	Rock	500899	7102073	weakly brx qv minor lim and dusty grey black coating on fracs	0.007	0.3	66	3
XMR-05	Rock	500757	7101989	vuggy qtz carbonaceous qtzt brx trace diss py minor lim silicic	0.016	0.6	12	<3
XMR-06	Rock	500757	7101989	bleached leached lim qtzt with vfg trace diss py	0.135	4.4	285	10
XMR-07	Rock	500535	7101860	brx leached bleached lim graphitic qtzt tace diss py	0.057	2.1	170	15
XMR-08	Rock	500527	7101862	silicic qtz brx trace diss py minor lim	0.031	2.1	164	5
XTBR-01	Rock	501418	7102441	vuggy lim weakly silicic qtz sericite schist with trace diss py bleached	0.013	0.9	74	<3

Appendix B - Soil Sample Locations and Descriptions

<u>Sample</u>	<u>Type</u>	<u>NAD83/E</u>	<u>NAD83/N</u>	<u>Descriptions</u>	<u>Au</u>	<u>Ag</u>	<u>As</u>	<u>Sb</u>
CSMD-01	Soil	501555	7102172	rocky B/C horizon	0.008	<0.3	40	<3
CSMD-02	Soil	501132	7102167	rocky B/C horizon	0.016	0.4	21	<3
CSMD-03	Soil	501106	7102159	rocky B/C horizon	0.009	0.3	39	<3
CSMD-04	Soil	501084	7102149	rocky B/C horizon	0.015	0.3	33	<3
CSMD-05	Soil	501058	7102140	rocky B/C horizon	0.011	0.3	30	<3
CSMD-06	Soil	501039	7102130	rocky B/C horizon	0.013	<0.3	27	<3
CSMD-07	Soil	501020	7102121	rocky B/C horizon	0.011	0.4	22	<3
CSMD-08	Soil	500705	7101981	rocky B/C horizon	0.015	0.3	61	<3
CSMD-09	Soil	500722	7101981	rocky B/C horizon	0.020	0.5	104	<3
CSMD-10	Soil	502565	7103095	rocky B/C horizon	0.006	0.3	15	<3
CSMD-11	Soil	502591	7103096	rocky B/C horizon	0.007	0.4	13	<3
CSMD-12	Soil	502615	7103095	rocky B/C horizon	0.010	<0.3	42	<3
CSMD-13	Soil	502616	7103120	rocky B/C horizon	0.093	0.9	917	<3
CSMD-14	Soil	502590	7103119	rocky B/C horizon	0.012	<0.3	364	<3
CSMD-15	Soil	502558	7103120	rocky B/C horizon	0.010	<0.3	18	<3
CSMD-16	Soil	502565	7103145	rocky B/C horizon	0.008	0.5	17	<3
CSMD-17	Soil	502590	7103145	rocky B/C horizon	0.007	<0.3	10	<3
CSMD-18	Soil	502615	7103145	rocky B/C horizon	0.006	0.3	34	<3
CSMD-19	Soil	504815	7102711	rocky B/C horizon	0.008	<0.3	5	<3
CSMD-20	Soil	504790	7102711	rocky B/C horizon	0.008	<0.3	3	<3
CSMD-21	Soil	504765	7102710	rocky B/C horizon	0.014	<0.3	20	<3
CSMD-22	Soil	504740	7102709	rocky B/C horizon	0.040	0.4	30	<3
CSMD-23	Soil	504715	7102710	rocky B/C horizon	0.052	0.5	41	<3
DSD-01	Soil	501425	7102524	rocky B/C horizon	0.013	0.3	44	<3
DSD-02	Soil	501450	7102525	rocky B/C horizon	0.015	0.3	40	<3
DSD-03	Soil	501474	7102526	rocky B/C horizon	0.025	0.7	29	<3
DSD-04	Soil	501476	7102476	rocky B/C horizon	0.014	0.5	24	<3
DSD-05	Soil	501475	7102425	rocky B/C horizon	0.011	<0.3	23	<3
DSD-06	Soil	501476	7102375	rocky B/C horizon	0.014	<0.3	27	<3
DSD-07	Soil	501450	7102376	rocky B/C horizon	0.014	<0.3	36	<3
DSD-08	Soil	501425	7102376	rocky B/C horizon	0.031	0.5	41	<3
DSD-09	Soil	501400	7102375	rocky B/C horizon	0.017	0.4	38	<3
DSD-10	Soil	502401	7102925	rocky B/C horizon	<0.005	<0.3	48	<3
DSD-11	Soil	502425	7102924	rocky B/C horizon	0.008	<0.3	175	<3
DSD-12	Soil	502451	7102925	rocky B/C horizon	0.007	<0.3	113	<3
DSD-13	Soil	502450	7102900	rocky B/C horizon	0.149	<0.3	223	<3
DSD-14	Soil	502450	7102850	rocky B/C horizon	0.038	0.4	119	<3
DSD-15	Soil	502450	7102799	rocky B/C horizon	0.018	0.4	268	<3
DSD-16	Soil	504814	7102780	rocky B/C horizon	0.019	<0.3	3	<3
DSD-17	Soil	504790	7102780	rocky B/C horizon	I.S.	<0.3	3	<3
DSD-18	Soil	504766	7102779	rocky B/C horizon	0.040	0.7	108	<3
DSD-19	Soil	504740	7102780	rocky B/C horizon	0.013	<0.3	31	<3
DSD-20	Soil	504715	7102779	rocky B/C horizon	0.008	<0.3	17	<3
JSXD-01	Soil	501827	7103997	rocky B/C horizon	0.012	<0.3	18	<3
JSXD-02	Soil	501852	7103997	rocky B/C horizon	0.014	<0.3	24	<3
JSXD-03	Soil	501878	7103997	rocky B/C horizon	0.015	0.4	18	<3

Appendix B - Soil Sample Locations and Descriptions

<u>Sample</u>	<u>Type</u>	<u>NAD83/E</u>	<u>NAD83/N</u>	<u>Descriptions</u>	<u>Au</u>	<u>Ag</u>	<u>As</u>	<u>Sb</u>
JSXD-04	Soil	501905	7103994	rocky B/C horizon	0.010	<0.3	14	<3
JSXD-05	Soil	501913	7103983	rocky B/C horizon	0.072	0.4	24	<3
JSXD-06	Soil	501922	7103971	rocky B/C horizon	0.014	0.3	16	<3
JSXD-07	Soil	501930	7103964	rocky B/C horizon	0.019	0.3	25	<3
JSXD-08	Soil	501938	7103952	rocky B/C horizon	0.042	0.3	56	<3
JSXD-09	Soil	501946	7103943	rocky B/C horizon	0.031	0.4	22	<3
JSXD-10	Soil	501956	7103936	rocky B/C horizon	0.017	0.4	27	<3
JSXD-11	Soil	502215	7103874	rocky B/C horizon	0.013	<0.3	19	<3
JSXD-12	Soil	502282	7103910	rocky B/C horizon	0.035	0.3	122	<3
JSXD-13	Soil	502312	7104030	rocky B/C horizon	0.009	<0.3	13	<3
SMS-01	Soil	504595	7102648	rocky B/C horizon	<0.005	<0.3	24	<3
SMS-02	Soil	504617	7102661	rocky B/C horizon	<0.005	0.3	17	<3
SMS-03	Soil	504637	7102673	rocky B/C horizon	0.021	0.4	45	<3
SMS-04	Soil	504658	7102686	rocky B/C horizon	0.01	<0.3	26	<3
SMS-05	Soil	504679	7102699	rocky B/C horizon	0.009	<0.3	24	<3
SMS-06	Soil	504704	7102710	rocky B/C horizon	0.01	<0.3	27	<3
SMS-07	Soil	504723	7102725	rocky B/C horizon	0.005	<0.3	29	<3
SMS-08	Soil	504744	7102736	rocky B/C horizon	0.007	<0.3	23	<3
SMS-09	Soil	504764	7102744	rocky B/C horizon	0.069	<0.3	55	<3
SMS-10	Soil	504784	7102767	rocky B/C horizon	0.012	<0.3	54	<3
SMS-11	Soil	504813	7102775	rocky B/C horizon	<0.005	<0.3	7	<3
SMS-12	Soil	504832	7102792	rocky B/C horizon	<0.005	<0.3	6	<3
SMS-13	Soil	504700	7102834	rocky B/C horizon	0.027	0.8	42	<3
SMS-14	Soil	504674	7102681	rocky B/C horizon	0.01	<0.3	31	<3
SMS-15	Soil	504632	7102658	rocky B/C horizon	0.01	<0.3	32	<3
SMS-16	Soil	504337	7102602	rocky B/C horizon	0.025	0.4	37	<3
SMS-17	Soil	504053	7102628	rocky B/C horizon	0.012	<0.3	17	<3
SMS-18	Soil	504040	7102630	rocky B/C horizon	0.012	<0.3	25	<3
SMS-19	Soil	501959	7103918	rocky B/C horizon	0.021	<0.3	28	<3
SMS-20	Soil	501958	7103930	rocky B/C horizon	0.02	<0.3	35	<3
SMS-21	Soil	501956	7103943	rocky B/C horizon	0.031	<0.3	29	<3
SMS-22	Soil	501966	7103943	rocky B/C horizon	0.02	0.4	41	<3
SMS-23	Soil	501968	7103930	rocky B/C horizon	0.074	<0.3	36	<3
SMS-24	Soil	501968	7103918	rocky B/C horizon	0.032	<0.3	29	<3
SMS-25	Soil	501979	7103919	rocky B/C horizon	0.009	<0.3	26	<3
SMS-26	Soil	501979	7103931	rocky B/C horizon	0.07	<0.3	29	<3
SMS-27	Soil	501979	7103943	rocky B/C horizon	0.027	0.7	66	<3
SMS-28	Soil	502226	7103869	rocky B/C horizon	0.058	<0.3	33	<3
SMS-29	Soil	502229	7103876	rocky B/C horizon	0.029	<0.3	45	<3
SMS-30	Soil	502220	7103875	rocky B/C horizon	0.022	<0.3	30	<3
SMS-31	Soil	502294	7103918	rocky B/C horizon	0.023	0.3	57	<3
SMS-32	Soil	502575	7102048	rocky B/C horizon	<0.005	<0.3	29	<3
SMS-33	Soil	502550	7102051	rocky B/C horizon	<0.005	<0.3	30	<3
SMS-34	Soil	502526	7102052	rocky B/C horizon	0.007	<0.3	27	<3
SMS-35	Soil	502498	7102050	rocky B/C horizon	0.007	0.4	29	<3
SMS-36	Soil	502474	7102051	rocky B/C horizon	0.007	0.4	39	<3

Appendix B - Soil Sample Locations and Descriptions

<u>Sample</u>	<u>Type</u>	<u>NAD83/E</u>	<u>NAD83/N</u>	<u>Descriptions</u>	<u>Au</u>	<u>Ag</u>	<u>As</u>	<u>Sb</u>
SMS-37	Soil	502450	7102050	rocky B/C horizon	0.01	0.4	15	<3
SMS-38	Soil	502423	7102050	rocky B/C horizon	0.006	0.9	11	<3
SMS-39	Soil	502400	7102051	rocky B/C horizon	0.009	0.4	10	<3
SMS-40	Soil	502375	7102049	rocky B/C horizon	0.011	0.5	11	<3
SMS-41	Soil	502350	7102051	rocky B/C horizon	0.014	I.S.	I.S.	I.S.
SMS-42	Soil	502325	7102050	rocky B/C horizon	0.006	I.S.	I.S.	I.S.
SMS-43	Soil	502300	7102050	rocky B/C horizon	0.005	<0.3	11	<3
SMS-44	Soil	502274	7102050	rocky B/C horizon	<0.005	0.4	9	<3
SMS-45	Soil	502249	7102050	rocky B/C horizon	0.006	0.6	14	<3
SMS-45A	Soil	coords	lost	rocky B/C horizon	<0.005	<0.3	8	<3
SMS-46	Soil	502237	7102449	rocky B/C horizon	<0.005	<0.3	25	<3
SMS-47	Soil	502246	7102455	rocky B/C horizon	0.006	<0.3	60	<3
SMS-48	Soil	502272	7102472	rocky B/C horizon	<0.005	<0.3	15	<3
SMS-49	Soil	502297	7102493	rocky B/C horizon	0.006	<0.3	13	<3
SMS-50	Soil	502201	7103950	rocky B/C horizon	0.035	0.4	48	<3
SMS-51	Soil	502225	7103950	rocky B/C horizon	0.008	0.3	21	<3
SMS-52	Soil	502249	7103950	rocky B/C horizon	0.01	0.3	21	<3
SMS-53	Soil	502275	7103952	rocky B/C horizon	0.01	<0.3	39	<3
SMS-54	Soil	502301	7103950	rocky B/C horizon	0.019	<0.3	48	<3
SMS-55	Soil	502325	7103950	rocky B/C horizon	<0.005	<0.3	13	<3
SMS-56	Soil	502326	7103900	rocky B/C horizon	0.012	0.4	21	<3
SMS-57	Soil	502301	7103892	rocky B/C horizon	0.013	<0.3	30	<3
SMS-58	Soil	502275	7103900	rocky B/C horizon	0.018	<0.3	40	<3
SMS-59	Soil	502250	7103899	rocky B/C horizon	0.027	<0.3	40	<3
SMS-60	Soil	502225	7103900	rocky B/C horizon	0.061	<0.3	31	<3
SMS-61	Soil	502200	7103900	rocky B/C horizon	0.013	0.6	25	<3
SUJD-01	Soil	502041	7103887	rocky B/C horizon	0.010	<0.3	22	<3
SUJD-02	Soil	502028	7103890	rocky B/C horizon	0.027	<0.3	23	<3
SUJD-03	Soil	502017	7103897	rocky B/C horizon	0.049	<0.3	32	<3
SUJD-04	Soil	502004	7103904	rocky B/C horizon	0.027	<0.3	52	<3
SUJD-05	Soil	501996	7103930	rocky B/C horizon	0.019	0.4	53	<3
SUJD-06	Soil	501984	7103917	rocky B/C horizon	0.012	<0.3	21	<3
SUJD-07	Soil	501973	7103924	rocky B/C horizon	0.015	<0.3	32	<3
SUJD-08	Soil	501966	7103930	rocky B/C horizon	0.305	<0.3	37	<3
SUJD-09	Soil	502231	7103871	rocky B/C horizon	0.033	<0.3	44	<3
SUJD-10	Soil	502292	7103914	rocky B/C horizon	0.087	0.4	113	<3
SUJD-11	Soil	502269	7103918	rocky B/C horizon	0.043	<0.3	52	<3
SUJD-12	Soil	502319	7104006	rocky B/C horizon	0.056	<0.3	29	<3
SUS-01	Soil	501450	7102425	rocky B/C horizon	0.025	0.3	30	<3
SUS-02	Soil	501426	7102425	rocky B/C horizon	0.024	0.4	39	<3
SUS-03	Soil	501401	7102425	rocky B/C horizon	0.012	<0.3	23	<3
SUS-04	Soil	501375	7102424	rocky B/C horizon	0.009	<0.3	29	<3
SUS-05	Soil	501349	7102426	rocky B/C horizon	0.028	0.4	70	<3
SUS-06	Soil	501325	7102424	rocky B/C horizon	0.016	0.4	30	<3
SUS-07	Soil	501300	7102426	rocky B/C horizon	0.018	<0.3	40	<3
SUS-08	Soil	501276	7102425	rocky B/C horizon	0.016	0.3	48	<3

Appendix B - Soil Sample Locations and Descriptions

<u>Sample</u>	<u>Type</u>	<u>NAD83/E</u>	<u>NAD83/N</u>	<u>Descriptions</u>	<u>Au</u>	<u>Ag</u>	<u>As</u>	<u>Sb</u>
SUS-09	Soil	501251	7102426	rocky B/C horizon	0.005	<0.3	26	<3
SUS-10	Soil	501226	7102424	rocky B/C horizon	0.006	<0.3	58	<3
SUS-11	Soil	501200	7102426	rocky B/C horizon	0.012	<0.3	30	<3
SUS-12	Soil	501175	7102426	rocky B/C horizon	0.014	0.7	36	<3
SUS-13	Soil	501151	7102424	rocky B/C horizon	0.007	<0.3	16	<3
SUS-14	Soil	502325	7102800	rocky B/C horizon	0.007	<0.3	27	<3
SUS-15	Soil	502349	7102800	rocky B/C horizon	0.01	<0.3	70	<3
SUS-16	Soil	502376	7102801	rocky B/C horizon	0.007	0.3	227	21
SUS-17	Soil	502399	7102799	rocky B/C horizon	0.009	<0.3	191	<3
SUS-18	Soil	502424	7102798	rocky B/C horizon	<0.005	0.4	169	<3
SUS-19	Soil	502424	7102750	rocky B/C horizon	0.012	<0.3	137	<3
SUS-20	Soil	502399	7102751	rocky B/C horizon	0.029	0.4	261	<3
SUS-21	Soil	502373	7102751	rocky B/C horizon	0.01	<0.3	102	<3
SUS-22	Soil	502350	7102750	rocky B/C horizon	0.02	0.3	196	<3
SUS-23	Soil	502325	7102750	rocky B/C horizon	0.006	<0.3	42	<3
TSD-01	Soil	501450	7102475	rocky B/C horizon	0.032	1.7	26	<3
TSD-02	Soil	501426	7102477	rocky B/C horizon	0.008	0.7	27	<3
TSD-03	Soil	501400	7102475	rocky B/C horizon	0.008	0.4	28	<3
TSD-04	Soil	501375	7102476	rocky B/C horizon	0.012	<0.3	30	<3
TSD-05	Soil	501350	7102475	rocky B/C horizon	0.013	0.5	56	<3
TSD-06	Soil	501324	7102475	rocky B/C horizon	0.016	0.6	33	<3
TSD-07	Soil	501300	7102476	rocky B/C horizon	0.008	<0.3	22	<3
TSD-08	Soil	501275	7102477	rocky B/C horizon	0.009	<0.3	16	<3
TSD-09	Soil	501251	7102476	rocky B/C horizon	0.009	<0.3	29	<3
TSD-10	Soil	501226	7102477	rocky B/C horizon	0.007	<0.3	21	<3
TSD-11	Soil	501199	7102474	rocky B/C horizon	0.007	<0.3	16	<3
TSD-12	Soil	501176	7102475	rocky B/C horizon	0.011	<0.3	18	<3
TSD-13	Soil	501150	7102476	rocky B/C horizon	0.009	<0.3	18	<3
TSD-14	Soil	501125	7102633	rocky B/C horizon	0.006	<0.3	19	<3
TSD-15	Soil	501182	7102629	rocky B/C horizon	0.008	<0.3	14	<3
TSD-16	Soil	502326	7102848	rocky B/C horizon	0.022	<0.3	275	<3
TSD-17	Soil	502351	7102849	rocky B/C horizon	0.017	0.3	334	<3
TSD-18	Soil	502376	7102850	rocky B/C horizon	0.033	<0.3	142	<3
TSD-19	Soil	502399	7102849	rocky B/C horizon	0.041	0.3	342	<3
TSD-20	Soil	502424	7102850	rocky B/C horizon	0.047	<0.3	393	<3
TSD-21	Soil	502425	7102898	rocky B/C horizon	0.043	<0.3	125	<3
TSD-22	Soil	502401	7102897	rocky B/C horizon	0.017	<0.3	148	<3
TSD-23	Soil	502375	7102900	rocky B/C horizon	0.014	<0.3	140	<3
TSD-24	Soil	502350	7102899	rocky B/C horizon	0.011	<0.3	176	<3
TSD-25	Soil	502324	7102900	rocky B/C horizon	0.008	<0.3	173	<3
XMD-01	Soil	501447	7102235	rocky B/C horizon	0.017	0.7	36	<3
XMD-02	Soil	501460	7102236	rocky B/C horizon	0.007	0.4	37	<3
XMD-03	Soil	501372	7102233	rocky B/C horizon	0.025	0.4	40	<3
XMD-04	Soil	501082	7102154	rocky B/C horizon	0.012	<0.3	34	<3
XMD-05	Soil	500896	7102080	rocky B/C horizon	0.01	0.4	38	<3
XMD-06	Soil	500755	7101993	rocky B/C horizon	0.008	<0.3	114	<3

Appendix B - Soil Sample Locations and Descriptions

<u>Sample</u>	<u>Type</u>	<u>NAD83/E</u>	<u>NAD83/N</u>	<u>Descriptions</u>	<u>Au</u>	<u>Ag</u>	<u>As</u>	<u>Sb</u>
XMD-07	Soil	500762	7102002	rocky B/C horizon	0.014	<0.3	197	<3
XMD-08	Soil	500540	7101876	rocky B/C horizon	0.009	<0.3	61	<3
XMD-09	Soil	500522	7101862	rocky B/C horizon	0.017	<0.3	79	<3
XTBD-01	Soil	501319	7102438	rocky B/C horizon	0.013	0.3	33	<3
XTBD-02	Soil	502507	7102935	rocky B/C horizon	<0.005	0.3	70	<3
XTBD-03	Soil	502501	7102919	rocky B/C horizon	<0.005	<0.3	20	<3
XTBD-04	Soil	502498	7102897	rocky B/C horizon	0.009	0.3	330	<3
XTBD-05	Soil	502510	7102953	rocky B/C horizon	0.008	<0.3	22	<3
XTBD-06	Soil	502483	7102996	rocky B/C horizon	<0.005	<0.3	152	3
XTBD-07	Soil	502467	7102984	rocky B/C horizon	0.007	0.3	33	<3
XTBD-08	Soil	502592	7103119	rocky B/C horizon	0.199	<0.3	253	4
XTBD-09	Soil	502564	7103093	rocky B/C horizon	0.013	<0.3	70	<3
XTBD-10	Soil	502200	7103850	rocky B/C horizon	0.028	<0.3	28	<3
XTBD-11	Soil	502225	7103850	rocky B/C horizon	0.018	0.3	46	<3
XTBD-12	Soil	502249	7103850	rocky B/C horizon	0.013	<0.3	19	<3
XTBD-13	Soil	502275	7103851	rocky B/C horizon	0.017	0.5	35	<3
XTBD-14	Soil	502300	7103850	rocky B/C horizon	0.007	<0.3	11	<3
XTBD-15	Soil	502325	7103850	rocky B/C horizon	0.009	0.8	13	<3

Appendix C -Analytical Certificates



**BUREAU
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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: July 13, 2018

Report Date: August 11, 2018

Page: 1 of 3

CERTIFICATE OF ANALYSIS

WHI18000339.1

CLIENT JOB INFORMATION

Project: None Given
Shipment ID:
P.O. Number
Number of Samples: 52

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	51	Crush, split and pulverize 250 g rock to 200 mesh			WHI
FA430	51	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
EN002	51	Environmental disposal charge-Fire assay lead waste			VAN
AQ300	51	1:1:1 Aqua Regia digestion ICP-ES analysis	0.5	Completed	VAN
SHP01	51	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.



BUREAU VERITAS MINERAL LABORATORIES
Canada

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Bureau Veritas Commodities Canada Ltd.

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Whitehorse Yukon Y1A 5G9 Canada

Project: None Given
Report Date: August 11, 2018

Page: 2 of 3

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI18000339.1

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	
SMR-01	Rock	0.69	0.015	<1	8	<3	11	<0.3	5	<1	54	0.92	87	<2	41	<0.5	<3	<3	7	<0.01	0.033
SMR-02	Rock	1.29	0.210	<1	12	<3	31	0.5	19	1	41	1.91	341	<2	12	<0.5	8	<3	6	<0.01	0.042
XTBR-01	Rock	0.81	0.013	3	5	52	5	0.9	1	<1	26	1.20	74	<2	2	<0.5	<3	<3	14	<0.01	0.040
TSR-01	Rock	0.65	0.015	7	26	90	708	1.9	98	6	545	11.30	133	5	41	0.5	11	<3	144	0.02	0.237
TSR-02	Rock	0.15	0.015	2	41	124	13	<0.3	8	1	45	0.99	38	4	55	<0.5	<3	<3	14	0.01	0.033
TSR-03	Rock	1.07	0.008	2	43	21	22	<0.3	7	2	54	4.56	107	4	7	<0.5	6	<3	14	<0.01	0.103
TSR-04	Rock	0.91	<0.005	<1	18	<3	22	<0.3	9	2	190	1.44	3	2	3	<0.5	<3	<3	19	<0.01	0.014
TSR-05	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
TSR-06	Rock	0.92	0.066	2	31	<3	37	1.5	6	4	91	1.68	223	<2	7	<0.5	<3	<3	12	<0.01	0.033
TSR-07	Rock	1.33	0.014	<1	13	<3	19	<0.3	3	<1	22	0.71	51	<2	3	<0.5	<3	<3	5	<0.01	0.017
TSR-08	Rock	1.07	0.028	2	32	<3	30	<0.3	6	<1	48	2.26	81	4	5	<0.5	<3	<3	13	0.01	0.039
TSR-09	Rock	0.80	0.018	2	24	<3	38	<0.3	7	1	43	1.38	106	2	6	<0.5	<3	<3	11	0.01	0.034
TSR-10	Rock	1.25	0.034	3	27	4	40	2.7	6	2	52	2.75	109	2	7	<0.5	4	<3	8	<0.01	0.049
TSR-11	Rock	1.51	0.013	<1	19	<3	33	0.3	6	<1	30	1.58	114	2	4	<0.5	<3	<3	11	<0.01	0.033
TSR-12	Rock	1.07	0.044	<1	7	<3	10	2.2	2	1	40	0.36	68	<2	1	<0.5	<3	<3	2	<0.01	0.002

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.



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: August 11, 2018

Page: 2 of 3

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI18000339.1

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
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
SMR-01	Rock	<1	5	<0.01	134	<0.001	<20	0.13	<0.01	0.07	<2	<0.05	<1	<5	<5
SMR-02	Rock	2	4	<0.01	89	<0.001	<20	0.22	<0.01	0.04	<2	<0.05	<1	<5	<5
XTBR-01	Rock	5	6	<0.01	393	0.002	<20	0.10	<0.01	0.05	<2	<0.05	<1	<5	<5
TSR-01	Rock	9	30	0.02	265	0.002	<20	0.41	<0.01	0.12	<2	0.06	<1	<5	<5
TSR-02	Rock	10	8	0.01	367	0.002	<20	0.19	<0.01	0.05	<2	<0.05	<1	<5	<5
TSR-03	Rock	2	19	<0.01	94	0.002	<20	0.17	<0.01	0.02	<2	<0.05	<1	<5	<5
TSR-04	Rock	6	17	0.52	49	0.003	<20	0.70	0.03	0.06	<2	<0.05	<1	<5	<5
TSR-05	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
TSR-06	Rock	6	9	0.01	44	<0.001	<20	0.23	<0.01	0.08	<2	<0.05	<1	<5	<5
TSR-07	Rock	1	5	0.01	21	<0.001	<20	0.14	<0.01	0.06	<2	<0.05	<1	<5	<5
TSR-08	Rock	4	8	0.02	43	<0.001	<20	0.32	<0.01	0.13	<2	<0.05	<1	<5	<5
TSR-09	Rock	3	8	0.02	36	<0.001	<20	0.28	<0.01	0.09	<2	<0.05	<1	<5	<5
TSR-10	Rock	3	7	0.01	36	<0.001	<20	0.21	<0.01	0.08	<2	<0.05	<1	<5	<5
TSR-11	Rock	3	9	0.01	53	<0.001	<20	0.23	<0.01	0.07	<2	<0.05	<1	<5	<5
TSR-12	Rock	<1	3	<0.01	21	<0.001	<20	0.08	<0.01	0.05	<2	<0.05	<1	<5	<5



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: 1 of 2

CERTIFICATE OF ANALYSIS

WHI18000339.1

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	
TSR-13	Rock	0.68	0.082	3	17	<3	6	<0.3	<1	<1	25	0.53	556	<2	7	<0.5	6	<3	3	<0.01	0.027
TSR-14	Rock	0.66	<0.005	<1	9	5	57	<0.3	13	7	815	2.70	<2	5	89	<0.5	<3	<3	48	1.63	0.098
TSR-15	Rock	0.86	<0.005	3	71	5	267	<0.3	41	7	121	4.86	<2	2	<0.5	4	<3	32	<0.01	0.162	
TSR-16	Rock	1.19	0.007	1	38	<3	15	<0.3	5	<1	81	1.65	<2	3	<0.5	<3	<3	10	<0.01	0.047	
TSR-17	Rock	1.46	0.832	2	32	<3	35	1.2	5	<1	51	1.88	<2	16	<0.5	13	<3	8	0.01	0.049	
TSR-18	Rock	0.98	0.400	<1	15	3	11	0.5	3	<1	30	0.67	<2	11	<0.5	6	<3	4	<0.01	0.019	
TSR-19	Rock	0.89	0.184	<1	10	<3	11	0.6	2	<1	24	0.53	<2	46	<0.5	<3	<3	3	<0.01	0.021	
TSR-20	Rock	1.21	0.125	<1	8	<3	5	0.5	2	<1	20	0.33	<2	4	<0.5	4	<3	2	<0.01	0.009	
TSR-21	Rock	1.68	0.006	<1	22	16	31	0.6	11	2	324	1.48	<2	5	<0.5	3	<3	2	<0.01	0.018	
TSR-22	Rock	0.84	0.341	<1	8	3	12	1.6	6	<1	44	1.11	<2	11	<0.5	10	<3	4	<0.01	0.011	



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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CERTIFICATE OF ANALYSIS

WHI18000339.1

Method	Analyte	AQ300	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	ppm
MDL		1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
TSR-13	Rock	<1	2	<0.01	47	<0.001	<20	0.06	<0.01	0.06	<2	0.07	<1	<5	<5	<5
TSR-14	Rock	22	36	1.27	311	0.009	<20	1.55	0.05	0.13	<2	<0.05	<1	<5	7	<5
TSR-15	Rock	2	8	<0.01	46	0.001	<20	0.33	<0.01	0.02	<2	<0.05	<1	<5	<5	<5
TSR-16	Rock	2	6	0.01	40	0.001	<20	0.33	<0.01	0.05	<2	<0.05	<1	<5	<5	<5
TSR-17	Rock	1	6	<0.01	50	<0.001	<20	0.13	<0.01	0.05	<2	<0.05	<1	<5	<5	<5
TSR-18	Rock	2	7	<0.01	101	<0.001	<20	0.09	<0.01	0.04	<2	<0.05	<1	<5	<5	<5
TSR-19	Rock	<1	4	<0.01	83	<0.001	<20	0.03	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5
TSR-20	Rock	<1	6	<0.01	34	<0.001	<20	0.02	<0.01	0.02	<2	<0.05	<1	<5	<5	<5
TSR-21	Rock	<1	10	<0.01	32	<0.001	<20	0.03	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5
TSR-22	Rock	2	5	<0.01	229	<0.001	<20	0.18	<0.01	0.07	<2	0.08	<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: August 11, 2018

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Part: 1 of 2

QUALITY CONTROL REPORT

WHI18000339.1

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	
TSR-09	Rock	0.80	0.018	2	24	<3	38	<0.3	7	1	43	1.38	106	2	6	<0.5	<3	<3	11	0.01	0.034
REP TSR-09	QC	0.018																			
TSR-22	Rock	0.84	0.341	<1	8	3	12	1.6	6	<1	44	1.11	726	<2	11	<0.5	10	<3	4	<0.01	0.011
REP TSR-22	QC	<1 6 <3 11 1.6 6 <1 43 1.11 720 <2 11 <0.5 9 <3 4 <0.01 0.011																			
Core Reject Duplicates																					
Reference Materials																					
STD DS11	Standard	14		145	139	338	1.7	78	13	1003	3.18	42	7	64	2.7	6	13	49	1.04	0.069	
STD DS11	Standard	13		144	138	337	2.4	76	12	1006	3.07	41	7	62	2.1	7	12	47	1.03	0.069	
STD OREAS45EA	Standard	2		670	16	29	0.5	364	49	403	20.98	11	10	4	1.8	<3	3	295	0.03	0.029	
STD OREAS45EA	Standard	2		663	15	29	0.4	348	48	396	21.15	10	10	4	<0.5	<3	3	283	0.03	0.028	
STD OXC145	Standard	0.220																			
STD OXH139	Standard	1.396																			
STD OXN134	Standard	8.056																			
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	
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	



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: August 11, 2018

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Part: 2 of 2

QUALITY CONTROL REPORT

WHI18000339.1

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
TSR-09	Rock	3	8	0.02	36	<0.001	<20	0.28	<0.01	0.09	<2	<0.05	<1	<5	<5
REP TSR-09	QC														
TSR-22	Rock	2	5	<0.01	229	<0.001	<20	0.18	<0.01	0.07	<2	0.08	<1	<5	<5
REP TSR-22	QC	2	6	<0.01	231	<0.001	<20	0.18	<0.01	0.07	<2	0.08	<1	<5	<5
Core Reject Duplicates															
Reference Materials															
STD DS11	Standard	17	60	0.83	426	0.088	<20	1.13	0.07	0.40	<2	0.29	<1	<5	<5
STD DS11	Standard	16	58	0.81	417	0.085	<20	1.09	0.07	0.38	3	0.26	<1	<5	<5
STD OREAS45EA	Standard	7	900	0.09	146	0.096	<20	3.22	0.02	0.05	<2	<0.05	<1	<5	17
STD OREAS45EA	Standard	7	879	0.09	140	0.094	<20	3.14	0.02	0.05	<2	<0.05	<1	<5	12
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
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
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5



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: 1 of 2

QUALITY CONTROL REPORT

WHI18000339.1

		WGHT	FA430	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
Prep Wash		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
ROCK-WHI	Prep Blank	<0.005	1	5	<3	36	<0.3	<1	4	580	1.85	<2	2	22	<0.5	<3	<3	22	0.65	0.040	
ROCK-WHI	Prep Blank	<0.005	2	6	<3	36	<0.3	1	4	578	1.89	<2	3	37	<0.5	<3	<3	25	0.77	0.041	



Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

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1 Locust Place
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Project: None Given
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Part: 2 of 2

QUALITY CONTROL REPORT

WHI18000339.1

		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
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
Prep Wash		1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
ROCK-WHI	Prep Blank	6	2	0.54	51	0.081	<20	0.97	0.07	0.10	<2	0.05	<1	<5	<5	<5
ROCK-WHI	Prep Blank	5	4	0.53	73	0.086	<20	1.05	0.08	0.09	<2	0.06	<1	<5	<5	<5



BUREAU VERITAS MINERAL LABORATORIES
Canada

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

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

Submitted By: Bernie Kreft
Receiving Lab: Canada-Whitehorse
Received: September 11, 2018
Report Date: October 22, 2018
Page: 1 of 3

CERTIFICATE OF ANALYSIS

WHI18000906.1

CLIENT JOB INFORMATION

Project: None Given
Shipment ID:
P.O. Number
Number of Samples: 38

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	38	Crush, split and pulverize 250 g rock to 200 mesh			WHI
FA430	38	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
EN002	38	Environmental disposal charge-Fire assay lead waste			VAN
AQ300	38	1:1:1 Aqua Regia digestion ICP-ES analysis	0.5	Completed	VAN
SHP01	38	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: October 22, 2018

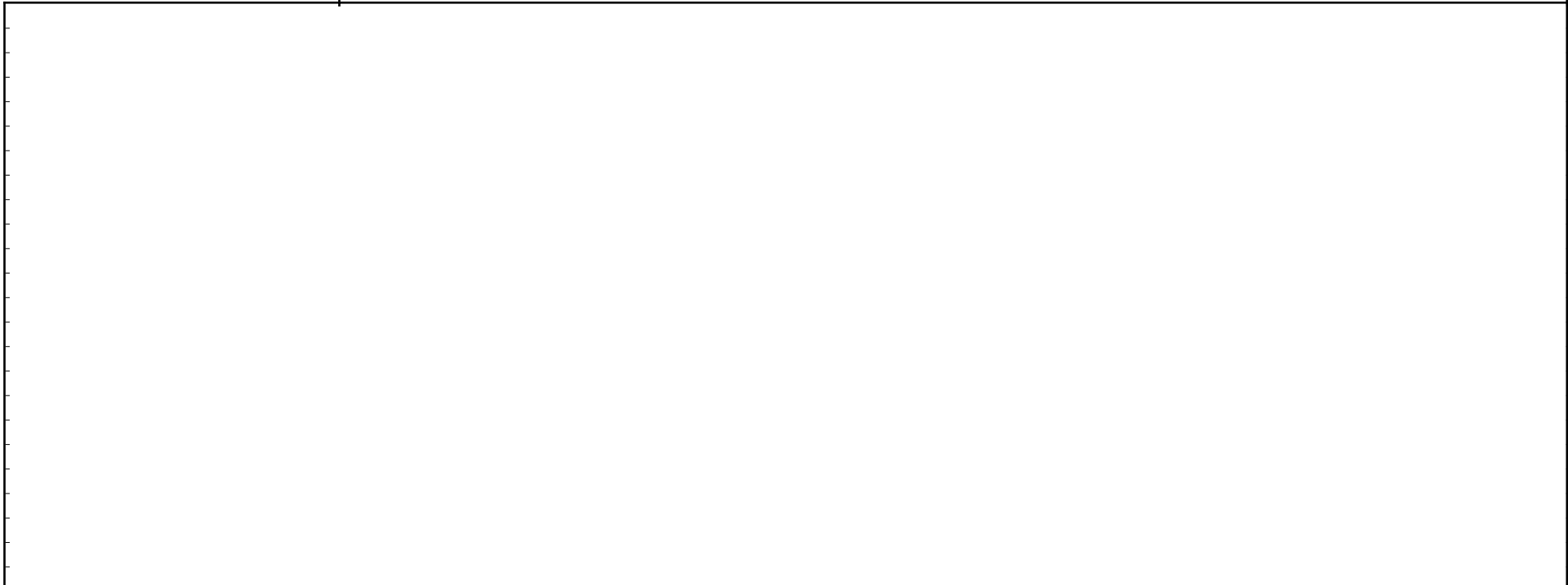
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Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI18000906.1

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	



DSR-01	Rock	0.23	<0.005	5	28	4	7	<0.3	5	<1	57	2.30	415	<2	2	<0.5	<3	<3	13	0.01	0.027
DSR-02	Rock	0.41	0.047	<1	12	22	17	0.9	3	<1	58	1.37	32	<2	4	<0.5	6	<3	10	<0.01	0.021
DSR-03	Rock	1.11	0.063	<1	12	4	18	<0.3	2	<1	39	0.74	277	<2	<1	<0.5	3	<3	1	<0.01	0.006
XLR-01	Rock	0.40	0.010	11	164	<3	419	0.4	92	6	153	12.43	288	3	8	<0.5	24	<3	54	0.02	0.297
XLR-02	Rock	0.15	0.009	148	18	356	14	0.8	3	2	135	6.89	950	7	142	<0.5	42	<3	111	0.02	0.152
XLR-03	Rock	0.53	0.438	<1	6	<3	22	12.3	42	3	140	3.72	1427	<2	5	<0.5	712	<3	21	0.01	0.018



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: October 22, 2018

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CERTIFICATE OF ANALYSIS

WHI18000906.1

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

DSR-01	Rock	5	7	0.01	90	0.001	<20	0.15	<0.01	0.07	<2	<0.05	<1	<5	<5	<5
DSR-02	Rock	2	5	0.01	338	0.002	<20	0.13	<0.01	0.05	<2	<0.05	<1	<5	<5	<5
DSR-03	Rock	<1	3	0.01	19	<0.001	<20	0.08	<0.01	0.04	<2	<0.05	<1	<5	<5	<5
XLR-01	Rock	2	23	0.02	363	0.002	<20	0.28	<0.01	0.07	<2	<0.05	<1	<5	<5	<5
XLR-02	Rock	17	17	0.02	483	0.005	<20	0.18	<0.01	0.52	<2	0.84	<1	<5	<5	<5
XLR-03	Rock	4	1526	0.14	59	0.002	<20	0.24	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5



Bureau Veritas Commodities Canada Ltd.

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Whitehorse Yukon Y1A 5G9 Canada

Project: None Given
Report Date: October 22, 2018

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Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI18000906.1

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	
XLR-04	Rock	0.53	0.312	<1	6	<3	3	0.5	3	<1	32	0.66	26	<2	4	<0.5	<3	<3	5	<0.01	0.007
XLR-05	Rock	0.72	0.132	<1	40	928	51	1.8	17	<1	43	1.54	64	<2	53	<0.5	13	<3	10	0.03	0.081
XLR-06	Rock	1.23	0.145	<1	4	8	4	4.2	5	2	493	1.28	397	<2	13	<0.5	9	<3	4	0.02	0.128
XLR-07	Rock	1.91	0.097	<1	9	3	26	1.5	9	2	38	0.90	272	2	32	<0.5	16	<3	9	0.99	0.515
XLR-08	Rock	1.64	<0.005	2	6	8	55	<0.3	8	6	892	2.50	3	6	174	<0.5	<3	<3	38	1.85	0.077
XLR-09	Rock	1.40	0.014	1	29	<3	26	<0.3	4	<1	108	1.08	68	2	7	<0.5	<3	<3	14	0.02	0.024
XLR-10	Rock	1.62	0.014	4	26	<3	29	0.4	6	<1	108	1.30	92	3	9	<0.5	<3	<3	15	0.01	0.040
XLR-11	Rock	2.08	0.034	30	29	<3	11	0.3	4	2	46	0.64	137	<2	4	<0.5	4	<3	7	<0.01	0.009



Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

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

Project: None Given
Report Date: October 22, 2018

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Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI18000906.1

Method	Analyte	AQ300	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	ppm
MDL		1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
XLR-04	Rock	2	9	<0.01	58	<0.001	<20	0.24	<0.01	0.07	<2	<0.05	<1	<5	<5	<5
XLR-05	Rock	1	11	<0.01	188	<0.001	<20	0.17	<0.01	0.02	<2	<0.05	<1	<5	<5	<5
XLR-06	Rock	3	3	0.02	329	0.003	<20	0.17	<0.01	0.21	<2	0.15	<1	<5	<5	<5
XLR-07	Rock	2	14	<0.01	381	0.001	<20	0.36	<0.01	0.02	<2	0.28	<1	<5	<5	<5
XLR-08	Rock	19	12	0.25	536	0.003	<20	0.72	0.05	0.14	<2	<0.05	<1	<5	<5	5
XLR-09	Rock	3	6	0.11	47	<0.001	<20	0.34	<0.01	0.08	<2	<0.05	<1	<5	<5	<5
XLR-10	Rock	5	5	0.14	78	<0.001	<20	0.38	<0.01	0.11	<2	<0.05	<1	<5	<5	<5
XLR-11	Rock	<1	3	0.01	23	<0.001	<20	0.10	<0.01	0.03	<2	0.08	<1	<5	<5	<5



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Project: None Given
Report Date: October 22, 2018

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QUALITY CONTROL REPORT

WHI18000906.1

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	
Pulp Duplicates																					
XLR-02	Rock	0.15	0.009	148	18	356	14	0.8	3	2	135	6.89	950	7	142	<0.5	42	<3	111	0.02	0.152
REP XLR-02	QC		0.009																		
XLR-10	Rock	1.62	0.014	4	26	<3	29	0.4	6	<1	108	1.30	92	3	9	<0.5	<3	<3	15	0.01	0.040
REP XLR-10	QC			4	26	<3	28	0.4	6	<1	104	1.27	90	2	9	<0.5	<3	<3	15	0.01	0.039
Core Reject Duplicates																					
Reference Materials																					
STD DS11	Standard			14	150	139	355	2.3	79	13	1031	3.17	45	8	66	2.5	6	12	51	0.98	0.071
STD DS11	Standard			13	148	135	344	1.7	79	13	993	3.09	43	8	62	2.1	7	14	49	0.99	0.071
STD OREAS45EA	Standard			2	695	13	31	0.5	372	49	416	22.47	11	10	4	<0.5	<3	<3	304	0.03	0.031
STD OREAS45EA	Standard			2	708	15	32	0.5	380	50	429	21.67	11	12	4	<0.5	<3	<3	312	0.03	0.031
STD OXC145	Standard		0.209																		
STD OXH139	Standard		1.263																		
STD OXN134	Standard		7.563																		
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
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	9	<3	62	<0.3	2	4	570	1.98	<2	4	28	<0.5	<3	<3	29	0.76	0.039



QUALITY CONTROL REPORT

WHI18000906.1

Method	Analyte	AQ300	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	5
Pulp Duplicates																
XLR-02	Rock	17	17	0.02	483	0.005	<20	0.18	<0.01	0.52	<2	0.84	<1	<5	<5	<5
REP XLR-02	QC															
XLR-10	Rock	5	5	0.14	78	<0.001	<20	0.38	<0.01	0.11	<2	<0.05	<1	<5	<5	<5
REP XLR-10	QC	4	6	0.13	74	<0.001	<20	0.37	<0.01	0.11	<2	<0.05	<1	<5	<5	<5
Core Reject Duplicates																
Reference Materials																
STD DS11	Standard	18	63	0.84	427	0.090	<20	1.15	0.07	0.41	<2	0.26	<1	5	<5	<5
STD DS11	Standard	16	59	0.82	383	0.083	<20	1.08	0.07	0.39	3	0.29	<1	5	<5	<5
STD OREAS45EA	Standard	8	891	0.09	147	0.097	<20	3.27	0.02	0.06	<2	<0.05	<1	<5	<5	85
STD OREAS45EA	Standard	8	917	0.10	149	0.098	<20	3.15	0.02	0.06	<2	<0.05	<1	<5	15	87
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
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	6	4	0.55	54	0.082	<20	1.05	0.07	0.09	<2	<0.05	<1	<5	<5	<5



BUREAU VERITAS MINERAL LABORATORIES
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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

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

Project: None Given
Report Date: October 22, 2018

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Part: 1 of 2

QUALITY CONTROL REPORT

WHI18000906.1

WGHT	FA430	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P		
kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%		
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		
ROCK-WHI	Prep Blank	<0.005	<1	2	<3	29	<0.3	<1	3	485	1.75	<2	3	22	<0.5	<3	<3	23	0.64	0.039	

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.



Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
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Project: None Given
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QUALITY CONTROL REPORT

WHI18000906.1

		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
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
		1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
ROCK-WHI	Prep Blank	6	2	0.40	57	0.077	<20	0.86	0.07	0.10	<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: July 20, 2018
Report Date: August 04, 2018
Page: 1 of 2

CERTIFICATE OF ANALYSIS

WHI18000407.1

CLIENT JOB INFORMATION

Project: None Given
Shipment ID:
P.O. Number
Number of Samples: 9

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	9	Crush, split and pulverize 250 g rock to 200 mesh			WHI
FA430	9	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
EN002	9	Environmental disposal charge-Fire assay lead waste			VAN
AQ300	9	1:1:1 Aqua Regia digestion ICP-ES analysis	0.5	Completed	VAN
SHP01	9	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

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

Project: None Given
Report Date: August 04, 2018

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Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI18000407.1

Method	Analyte	WGHT	FA430	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		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	%	%	
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
XMR01	Rock	0.85	0.059	2	2	21	12	1.2	1	<1	62	0.48	39	<2	3	<0.5	7	<3	12	0.02	0.005
XMR02	Rock	0.78	0.043	5	60	44	14	0.8	4	<1	69	3.88	172	14	5	<0.5	13	<3	22	0.01	0.053
XMR03	Rock	0.40	0.845	<1	28	9	18	1.3	5	<1	60	2.87	140	<2	5	<0.5	13	<3	49	0.04	0.044
XMR04	Rock	0.70	0.007	6	6	34	7	0.3	1	<1	78	1.12	66	<2	4	<0.5	3	<3	11	0.01	0.014
XMR05	Rock	1.61	0.016	<1	2	18	16	0.6	2	<1	58	0.42	12	<2	9	<0.5	<3	<3	9	0.67	0.298
XMR06	Rock	1.07	0.135	<1	3	10	4	4.4	2	<1	122	1.26	285	<2	12	<0.5	10	<3	5	0.02	0.106
XMR07	Rock	0.88	0.057	3	8	5	9	2.1	4	2	209	1.16	170	<2	11	<0.5	15	<3	12	0.01	0.019
XMR08	Rock	0.85	0.031	4	5	37	5	2.1	1	<1	88	1.07	164	<2	9	<0.5	5	<3	5	0.02	0.205
DSR01	Rock	0.66	0.007	4	24	27	113	0.3	21	2	122	1.73	27	<2	20	0.8	<3	<3	31	0.44	0.231



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1 Locust Place
Whitehorse Yukon Y1A 5G9 Canada

Project: None Given
Report Date: August 04, 2018

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CERTIFICATE OF ANALYSIS

WHI18000407.1

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
		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
XMR01	Rock	2	9	0.02	108	<0.001	<20	0.15	<0.01	0.09	<2	<0.05	<1	<5	<5	<5
XMR02	Rock	4	12	0.01	108	0.002	<20	0.40	<0.01	0.08	<2	<0.05	<1	<5	7	<5
XMR03	Rock	<1	22	0.02	49	0.001	<20	0.37	<0.01	0.05	<2	<0.05	<1	<5	<5	<5
XMR04	Rock	2	9	<0.01	99	0.001	<20	0.12	<0.01	0.02	<2	<0.05	<1	<5	<5	<5
XMR05	Rock	2	9	0.01	58	0.001	<20	0.34	<0.01	0.02	<2	<0.05	<1	<5	<5	<5
XMR06	Rock	5	5	0.02	296	0.003	<20	0.21	<0.01	0.21	<2	0.13	<1	<5	<5	<5
XMR07	Rock	2	8	0.01	221	0.002	<20	0.28	<0.01	0.12	<2	<0.05	<1	<5	<5	<5
XMR08	Rock	4	8	<0.01	168	<0.001	<20	0.09	<0.01	0.03	<2	<0.05	<1	<5	<5	<5
DSR01	Rock	4	10	0.02	554	0.004	<20	0.22	<0.01	0.09	<2	<0.05	<1	<5	<5	<5



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

Project: None Given
Report Date: August 04, 2018

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QUALITY CONTROL REPORT

WHI18000407.1

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			15	143	139	364	1.8	81	13	1058	3.39	47	6	67	2.2	8	10	50	1.11	0.074	
STD OREAS45EA Standard			2	699	11	33	0.4	415	53	420	26.53	13	9	4	<0.5	<3	<3	318	0.03	0.032	
STD OXC145 Standard		0.223																			
STD OXH139 Standard		1.303																			
STD OXN134 Standard		7.944																			
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	2	3	16	43	<0.3	<1	3	517	1.79	<2	<2	27	<0.5	<3	<3	21	0.80	0.040	



QUALITY CONTROL REPORT

WHI18000407.1

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	17	56	0.86	438	0.090	<20	1.13	0.07	0.39	2	0.29	<1	<5	<5	<5
STD OREAS45EA Standard	7	907	0.10	151	0.103	<20	3.42	0.02	0.06	<2	<0.05	<1	8	<5	87
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	2	0.47	69	0.075	<20	0.99	0.09	0.11	<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: June 15, 2018
Report Date: June 30, 2018
Page: 1 of 2

CERTIFICATE OF ANALYSIS

WHI18000108.1

CLIENT JOB INFORMATION

Project: None Given
Shipment ID:
P.O. Number
Number of Samples: 16

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	16	Crush, split and pulverize 250 g rock to 200 mesh			WHI
FA430	16	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
EN002	16	Environmental disposal charge-Fire assay lead waste			VAN
AQ300	16	1:1:1 Aqua Regia digestion ICP-ES analysis	0.5	Completed	VAN
SHP01	16	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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Whitehorse Yukon Y1A 5G9 Canada

Project: None Given
Report Date: June 30, 2018

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Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI18000108.1

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	
BSMR-01	Rock	0.60	0.042	1	22	4	13	<0.3	5	<1	74	5.85	71	<2	2	<0.5	5	<3	22	<0.01	0.155
BSMR-02	Rock	0.64	0.011	<1	8	<3	3	<0.3	<1	<1	30	0.81	3343	<2	1	<0.5	<3	<3	3	<0.01	0.028
BSMR-03	Rock	0.35	0.022	2	66	6	7	1.5	2	<1	41	2.61	53	2	6	<0.5	6	<3	16	<0.01	0.040
BSMR-04	Rock	0.49	0.006	1	5	<3	2	<0.3	<1	<1	41	0.51	292	<2	2	<0.5	<3	<3	3	<0.01	0.015
BSMR-05	Rock	0.69	0.018	2	2	<3	1	0.3	<1	<1	34	0.46	106	<2	4	<0.5	<3	<3	3	<0.01	0.006
BSMR-06	Rock	0.57	0.006	<1	2	<3	2	<0.3	1	<1	21	0.32	43	<2	3	<0.5	<3	<3	3	<0.01	0.004
BSMR-07	Rock	0.64	0.021	<1	4	<3	2	<0.3	1	<1	29	0.79	23	<2	3	<0.5	<3	<3	7	<0.01	0.012
BSMR-08	Rock	0.67	1.679	3	74	3	69	1.6	14	<1	32	3.80	359	<2	60	<0.5	19	<3	18	0.01	0.114
BSMR-09	Rock	0.48	0.120	<1	3	<3	4	0.6	2	<1	37	0.78	62	<2	14	<0.5	4	<3	5	<0.01	0.036
BSMR-10	Rock	0.54	0.030	5	30	<3	34	1.0	7	<1	62	4.84	232	3	247	<0.5	11	<3	90	0.02	0.200
BSMR-11	Rock	0.98	0.023	<1	3	<3	3	<0.3	2	<1	23	0.35	18	<2	3	<0.5	<3	<3	1	<0.01	0.004
BSMR-12	Rock	0.48	0.168	<1	9	<3	15	<0.3	16	1	56	1.45	332	<2	3	<0.5	<3	<3	5	<0.01	0.025
JSXR-01	Rock	0.94	0.026	2	35	21	24	0.6	12	2	104	3.58	225	<2	33	<0.5	8	<3	9	0.01	0.112
JSXR-02	Rock	0.89	0.012	<1	1	3	2	0.3	<1	<1	33	0.48	14	<2	4	<0.5	<3	<3	4	<0.01	0.027
JSXR-03	Rock	0.82	0.012	1	71	<3	16	<0.3	3	<1	39	4.13	20	<2	2	<0.5	<3	<3	11	<0.01	0.089
JSXR-04	Rock	0.73	0.028	<1	7	<3	5	<0.3	3	<1	35	0.79	36	<2	14	<0.5	<3	<3	9	<0.01	0.017



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

Project: None Given
Report Date: June 30, 2018

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Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI18000108.1

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	0.01	2	0.05	1	5	5	5
BSMR-01	Rock	2	12	<0.01	64	0.002	<20	0.19	<0.01	0.04	<2	<0.05	<1	<5	<5	<5	<5
BSMR-02	Rock	2	3	<0.01	39	<0.001	<20	0.06	<0.01	0.04	<2	<0.05	<1	<5	<5	<5	<5
BSMR-03	Rock	7	9	<0.01	346	<0.001	<20	0.25	0.01	0.08	<2	<0.05	<1	<5	<5	<5	<5
BSMR-04	Rock	<1	3	<0.01	30	<0.001	<20	0.04	<0.01	0.03	<2	<0.05	<1	<5	<5	<5	<5
BSMR-05	Rock	2	3	<0.01	70	<0.001	<20	0.08	<0.01	0.05	<2	<0.05	<1	<5	<5	<5	<5
BSMR-06	Rock	4	3	<0.01	61	<0.001	<20	0.07	<0.01	0.04	<2	<0.05	<1	<5	<5	<5	<5
BSMR-07	Rock	2	4	<0.01	146	0.001	<20	0.09	<0.01	0.08	<2	0.06	<1	<5	<5	<5	<5
BSMR-08	Rock	2	9	<0.01	70	<0.001	<20	0.22	<0.01	0.04	<2	<0.05	<1	<5	<5	<5	<5
BSMR-09	Rock	1	4	<0.01	93	<0.001	<20	0.07	<0.01	0.04	<2	<0.05	<1	<5	<5	<5	<5
BSMR-10	Rock	6	20	<0.01	271	<0.001	<20	0.18	<0.01	0.22	<2	0.35	<1	<5	<5	<5	<5
BSMR-11	Rock	1	3	<0.01	58	<0.001	<20	0.04	<0.01	0.03	<2	<0.05	<1	<5	<5	<5	<5
BSMR-12	Rock	2	4	<0.01	127	<0.001	<20	0.17	<0.01	0.05	<2	<0.05	<1	<5	<5	<5	<5
JSXR-01	Rock	3	7	0.01	146	0.003	<20	0.19	<0.01	0.05	<2	<0.05	<1	<5	<5	<5	<5
JSXR-02	Rock	2	3	<0.01	84	<0.001	<20	0.12	<0.01	0.08	<2	<0.05	<1	<5	<5	<5	<5
JSXR-03	Rock	3	10	<0.01	68	<0.001	<20	0.15	<0.01	0.05	<2	<0.05	<1	<5	<5	<5	<5
JSXR-04	Rock	5	6	<0.01	156	<0.001	<20	0.13	<0.01	0.07	<2	<0.05	<1	<5	<5	<5	<5



QUALITY CONTROL REPORT

WHI18000108.1

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	
Pulp Duplicates																					
BSMR-12	Rock	0.48	0.168	<1	9	<3	15	<0.3	16	1	56	1.45	332	<2	3	<0.5	<3	<3	5	<0.01	0.025
REP BSMR-12	QC			<1	9	<3	15	<0.3	16	1	55	1.42	337	<2	3	<0.5	<3	<3	5	<0.01	0.026
JSXR-03	Rock	0.82	0.012	1	71	<3	16	<0.3	3	<1	39	4.13	20	<2	2	<0.5	<3	<3	11	<0.01	0.089
REP JSXR-03	QC		0.012																		
Core Reject Duplicates																					
BSMR-08	Rock	0.67	1.679	3	74	3	69	1.6	14	<1	32	3.80	359	<2	60	<0.5	19	<3	18	0.01	0.114
DUP BSMR-08	QC		1.533	3	72	4	66	1.5	13	<1	33	3.70	341	<2	56	<0.5	17	<3	18	0.01	0.108
Reference Materials																					
STD DS11	Standard			15	152	140	349	2.0	80	13	1049	3.23	44	7	67	2.1	7	13	50	1.09	0.073
STD DS11	Standard			13	148	129	338	2.1	76	13	1021	3.19	44	6	66	1.8	7	10	48	1.06	0.069
STD OREAS45EA	Standard			2	680	13	30	0.6	371	49	409	22.06	10	10	4	1.1	<3	<3	299	0.03	0.029
STD OREAS45EA	Standard			2	700	8	31	0.4	405	52	410	24.90	16	8	4	<0.5	<3	<3	320	0.03	0.031
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
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
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	5	4	40	<0.3	2	4	598	1.85	<2	<2	33	<0.5	<3	<3	23	0.90	0.039
ROCK-WHI	Prep Blank		<0.005	<1	4	<3	36	<0.3	1	4	580	1.83	<2	<2	26	<0.5	<3	<3	22	0.72	0.038



QUALITY CONTROL REPORT

WHI18000108.1

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
Pulp Duplicates															
BSMR-12	Rock	2	4	<0.01	127	<0.001	<20	0.17	<0.01	0.05	<2	<0.05	<1	<5	<5
REP BSMR-12	QC	2	4	<0.01	126	<0.001	<20	0.17	<0.01	0.05	<2	<0.05	<1	<5	<5
JSXR-03	Rock	3	10	<0.01	68	<0.001	<20	0.15	<0.01	0.05	<2	<0.05	<1	<5	<5
REP JSXR-03	QC														
Core Reject Duplicates															
BSMR-08	Rock	2	9	<0.01	70	<0.001	<20	0.22	<0.01	0.04	<2	<0.05	<1	<5	<5
DUP BSMR-08	QC	1	9	<0.01	69	<0.001	<20	0.23	<0.01	0.04	<2	<0.05	<1	<5	<5
Reference Materials															
STD DS11	Standard	18	62	0.87	450	0.090	<20	1.19	0.08	0.42	2	0.28	<1	<5	<5
STD DS11	Standard	16	55	0.83	385	0.091	<20	1.12	0.07	0.40	3	0.27	<1	<5	<5
STD OREAS45EA	Standard	8	899	0.10	146	0.097	<20	3.31	0.02	0.05	<2	<0.05	<1	<5	86
STD OREAS45EA	Standard	7	901	0.10	159	0.101	<20	3.31	0.02	0.06	<2	<0.05	<1	8	<5
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
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
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5
Prep Wash															
ROCK-WHI	Prep Blank	6	3	0.51	61	0.078	<20	1.13	0.08	0.09	<2	0.06	<1	<5	<5
ROCK-WHI	Prep Blank	6	3	0.51	47	0.079	<20	1.04	0.08	0.09	<2	0.06	<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: July 13, 2018

Report Date: August 08, 2018

Page: 1 of 10

CERTIFICATE OF ANALYSIS

WHI18000338.1

CLIENT JOB INFORMATION

Project: None Given
Shipment ID:
P.O. Number
Number of Samples: 266

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	265	Dry at 60C			WHI
SS80	265	Dry at 60C sieve 100g to -80 mesh			WHI
FA430	265	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
EN002	265	Environmental disposal charge-Fire assay lead waste			VAN
AQ300	263	1:1:1 Aqua Regia digestion ICP-ES analysis	0.5	Completed	VAN
DISPL	265	Disposal of pulps			VAN
SHP01	265	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.



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 08, 2018

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Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI18000338.1

Method	FA430	AQ300	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	
SUS-01	Soil	0.025	2	19	29	59	0.3	17	6	270	2.64	30	3	19	<0.5	<3	<3	55	0.21	0.054	11
SUS-02	Soil	0.024	2	25	18	50	0.4	16	6	217	2.62	39	<2	18	<0.5	<3	<3	54	0.15	0.050	9
SUS-03	Soil	0.012	2	19	19	48	<0.3	14	6	238	2.71	23	<2	13	<0.5	<3	<3	59	0.11	0.037	11
SUS-04	Soil	0.009	1	25	13	54	<0.3	24	10	407	2.91	29	4	17	<0.5	<3	<3	57	0.15	0.049	12
SUS-05	Soil	0.028	3	33	30	89	0.4	29	11	503	3.75	70	3	31	<0.5	<3	<3	70	0.30	0.087	13
SUS-06	Soil	0.016	3	22	23	60	0.4	21	8	302	2.95	30	<2	19	<0.5	<3	<3	60	0.24	0.073	15
SUS-07	Soil	0.018	2	29	19	79	<0.3	31	11	470	3.19	40	5	20	<0.5	<3	<3	62	0.21	0.076	13
SUS-08	Soil	0.016	3	29	29	53	0.3	17	6	241	2.57	48	5	19	<0.5	<3	<3	47	0.17	0.076	16
SUS-09	Soil	0.005	2	15	17	54	<0.3	16	15	1198	2.98	26	2	15	<0.5	<3	<3	60	0.14	0.048	12
SUS-10	Soil	0.006	3	24	13	54	<0.3	17	4	203	2.54	58	4	15	<0.5	<3	<3	35	0.13	0.053	12
SUS-11	Soil	0.012	2	26	13	61	<0.3	21	6	379	2.78	30	4	17	<0.5	<3	<3	52	0.18	0.063	14
SUS-12	Soil	0.014	2	26	13	78	0.7	27	8	452	3.03	36	5	23	<0.5	<3	<3	55	0.20	0.067	14
SUS-13	Soil	0.007	2	17	10	57	<0.3	18	12	753	3.10	16	3	15	<0.5	<3	<3	62	0.13	0.052	13
SUS-14	Soil	0.007	2	48	11	65	<0.3	22	9	340	3.14	27	<2	11	<0.5	<3	<3	72	0.09	0.057	13
SUS-15	Soil	0.010	2	66	13	75	<0.3	36	22	940	3.10	70	<2	12	<0.5	<3	<3	58	0.10	0.093	12
SUS-16	Soil	0.007	<1	103	17	99	0.3	310	49	2190	5.33	227	5	14	<0.5	21	<3	104	0.32	0.083	19
SUS-17	Soil	0.009	1	90	10	123	<0.3	73	22	1429	4.61	191	4	21	<0.5	<3	<3	79	0.24	0.087	15
SUS-18	Soil	<0.005	1	108	14	128	0.4	102	26	2531	4.99	169	5	16	<0.5	<3	<3	68	0.18	0.095	18
SUS-19	Soil	0.012	3	64	12	79	<0.3	22	9	640	4.01	137	2	26	<0.5	<3	<3	62	0.08	0.149	15
SUS-20	Soil	0.029	2	138	15	121	0.4	90	18	1672	4.11	261	8	24	<0.5	<3	<3	39	0.09	0.103	20
SUS-21	Soil	0.010	2	57	10	72	<0.3	26	9	376	3.11	102	<2	16	<0.5	<3	<3	55	0.10	0.065	12
SUS-22	Soil	0.020	2	91	12	79	0.3	35	14	504	3.30	196	4	20	<0.5	<3	<3	49	0.15	0.106	18
SUS-23	Soil	0.006	<1	51	7	78	<0.3	98	15	900	3.35	42	5	12	<0.5	<3	<3	69	0.19	0.066	18
SMS-01	Soil	<0.005	2	25	15	55	<0.3	14	5	412	3.04	24	2	23	<0.5	<3	<3	74	0.09	0.050	12



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Project: None Given
Report Date: August 08, 2018

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CERTIFICATE OF ANALYSIS

WHI18000338.1

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	
SUS-01	Soil	27	0.42	156	0.062	<20	1.36	<0.01	0.07	<2	<0.05	<1	<5	<5	<5
SUS-02	Soil	31	0.41	170	0.044	<20	1.52	<0.01	0.07	<2	<0.05	<1	<5	<5	<5
SUS-03	Soil	27	0.37	114	0.051	<20	1.69	<0.01	0.06	<2	<0.05	<1	<5	<5	<5
SUS-04	Soil	33	0.49	187	0.070	<20	2.19	<0.01	0.06	<2	<0.05	<1	<5	<5	<5
SUS-05	Soil	46	0.59	339	0.061	<20	2.38	<0.01	0.10	<2	<0.05	<1	<5	<5	5
SUS-06	Soil	32	0.48	197	0.067	<20	1.98	<0.01	0.07	<2	<0.05	<1	<5	<5	<5
SUS-07	Soil	36	0.49	217	0.075	<20	2.11	<0.01	0.08	<2	<0.05	<1	<5	<5	<5
SUS-08	Soil	25	0.29	169	0.055	<20	1.16	<0.01	0.06	<2	<0.05	<1	<5	<5	<5
SUS-09	Soil	29	0.39	140	0.072	<20	1.62	<0.01	0.07	<2	<0.05	<1	<5	<5	<5
SUS-10	Soil	21	0.22	119	0.040	<20	0.87	<0.01	0.05	<2	<0.05	<1	<5	<5	<5
SUS-11	Soil	27	0.31	155	0.057	<20	1.28	<0.01	0.07	<2	<0.05	<1	<5	<5	<5
SUS-12	Soil	32	0.42	219	0.061	<20	1.79	<0.01	0.08	<2	<0.05	<1	<5	<5	<5
SUS-13	Soil	31	0.38	147	0.071	<20	1.71	<0.01	0.07	<2	<0.05	<1	<5	<5	<5
SUS-14	Soil	30	0.30	111	0.055	<20	2.03	<0.01	0.05	<2	<0.05	<1	<5	5	<5
SUS-15	Soil	34	0.27	113	0.042	<20	1.57	<0.01	0.07	<2	<0.05	<1	<5	<5	<5
SUS-16	Soil	248	2.56	304	0.027	<20	2.81	<0.01	0.12	<2	<0.05	<1	<5	7	20
SUS-17	Soil	66	1.01	255	0.017	<20	1.70	<0.01	0.13	<2	<0.05	<1	<5	5	11
SUS-18	Soil	87	1.02	213	0.006	<20	1.54	<0.01	0.11	<2	<0.05	<1	<5	<5	9
SUS-19	Soil	34	0.27	114	0.039	<20	1.43	<0.01	0.11	<2	0.12	<1	<5	6	<5
SUS-20	Soil	45	0.27	170	0.011	<20	0.73	<0.01	0.15	<2	0.07	<1	<5	<5	<5
SUS-21	Soil	28	0.32	122	0.031	<20	1.61	<0.01	0.07	<2	<0.05	<1	<5	<5	<5
SUS-22	Soil	29	0.30	134	0.030	<20	1.42	<0.01	0.08	<2	<0.05	<1	<5	<5	<5
SUS-23	Soil	110	1.31	277	0.056	<20	1.92	<0.01	0.16	<2	<0.05	<1	<5	<5	8
SMS-01	Soil	29	0.22	83	0.059	<20	1.52	<0.01	0.05	<2	<0.05	<1	<5	<5	<5



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Project: None Given
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CERTIFICATE OF ANALYSIS

WHI18000338.1

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	MDL	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
SMS-02	Soil	<0.005	3	31	16	42	0.3	13	3	142	2.37	17	2	29	<0.5	<3	<3	74	0.06	0.038	14
SMS-03	Soil	0.021	3	47	13	102	0.4	37	16	483	3.01	45	4	35	<0.5	<3	<3	59	0.14	0.069	15
SMS-04	Soil	0.010	2	41	13	88	<0.3	33	14	377	3.32	26	5	30	<0.5	<3	<3	64	0.13	0.059	15
SMS-05	Soil	0.009	2	30	10	65	<0.3	28	12	396	3.20	24	4	21	<0.5	<3	<3	62	0.14	0.057	15
SMS-06	Soil	0.010	2	30	11	69	<0.3	27	11	364	3.17	27	3	22	<0.5	<3	<3	62	0.14	0.049	16
SMS-07	Soil	0.005	2	34	18	96	<0.3	33	11	622	3.28	29	3	18	<0.5	<3	<3	64	0.12	0.052	15
SMS-08	Soil	0.007	1	67	10	73	<0.3	63	17	583	2.63	23	4	14	<0.5	<3	<3	50	0.12	0.042	15
SMS-09	Soil	0.069	2	40	7	76	<0.3	42	16	685	2.84	55	4	21	<0.5	<3	<3	49	0.20	0.069	17
SMS-10	Soil	0.012	2	27	11	76	<0.3	36	13	835	3.26	54	4	21	<0.5	<3	<3	59	0.13	0.061	12
SMS-11	Soil	<0.005	1	14	10	54	<0.3	19	9	428	2.87	7	3	24	<0.5	<3	<3	60	0.20	0.052	11
SMS-12	Soil	<0.005	2	18	13	94	<0.3	24	11	672	3.11	6	3	46	<0.5	<3	<3	63	0.40	0.063	11
SMS-13	Soil	0.027	2	42	11	72	0.8	27	10	418	3.28	42	3	20	<0.5	<3	<3	59	0.14	0.066	16
SMS-14	Soil	0.010	2	44	7	101	<0.3	44	14	723	3.02	31	3	26	<0.5	<3	<3	52	0.10	0.056	11
SMS-15	Soil	0.010	2	38	12	76	<0.3	29	12	418	2.97	32	3	27	<0.5	<3	<3	57	0.14	0.068	15
SMS-16	Soil	0.025	3	51	9	113	0.4	30	13	537	3.34	37	4	18	<0.5	<3	<3	51	0.19	0.127	13
SMS-17	Soil	0.012	2	43	8	87	<0.3	29	10	348	3.85	17	3	12	<0.5	<3	<3	60	0.14	0.083	14
SMS-18	Soil	0.012	2	52	8	87	<0.3	30	10	373	3.79	25	2	13	<0.5	<3	<3	58	0.16	0.106	13
SMS-19	Soil	0.021	1	28	8	56	<0.3	20	7	296	2.64	28	2	17	<0.5	<3	<3	49	0.18	0.073	13
SMS-20	Soil	0.020	2	27	11	53	<0.3	18	6	210	2.89	35	<2	23	<0.5	<3	<3	58	0.17	0.096	12
SMS-21	Soil	0.031	2	29	10	53	<0.3	19	6	230	2.86	29	<2	19	<0.5	<3	<3	49	0.15	0.091	12
SMS-22	Soil	0.020	2	34	11	53	0.4	20	6	173	3.44	41	<2	21	<0.5	<3	<3	59	0.13	0.101	13
SMS-23	Soil	0.074	2	36	10	46	<0.3	17	4	145	2.35	36	<2	14	<0.5	<3	<3	45	0.09	0.065	12
SMS-24	Soil	0.032	1	32	7	62	<0.3	22	7	252	2.87	29	3	18	<0.5	<3	<3	53	0.17	0.066	12
SMS-25	Soil	0.009	1	28	7	62	<0.3	23	7	294	2.76	26	3	17	<0.5	<3	<3	51	0.18	0.064	12
SMS-26	Soil	0.070	2	31	5	68	<0.3	22	7	220	2.57	29	3	17	<0.5	<3	<3	42	0.16	0.073	12
SMS-27	Soil	0.027	3	69	11	76	0.7	30	9	324	3.78	66	<2	23	<0.5	<3	<3	62	0.13	0.120	13
SMS-28	Soil	0.058	1	37	7	77	<0.3	31	8	319	2.59	33	4	30	<0.5	<3	<3	44	0.22	0.078	13
SMS-29	Soil	0.029	2	42	9	80	<0.3	33	9	402	3.22	45	<2	33	<0.5	<3	<3	54	0.14	0.069	13
SMS-30	Soil	0.022	1	35	7	72	<0.3	30	7	262	2.81	30	2	36	<0.5	<3	<3	48	0.20	0.083	13
SMS-31	Soil	0.023	2	26	13	59	0.3	18	9	627	3.81	57	<2	19	<0.5	<3	<3	74	0.09	0.116	12



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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
SMS-02	Soil	24	0.18	74	0.047	<20	1.38	<0.01	0.05	<2	<0.05	<1	<5	<5	<5
SMS-03	Soil	34	0.39	119	0.042	<20	1.59	<0.01	0.06	<2	<0.05	<1	<5	<5	<5
SMS-04	Soil	36	0.50	127	0.054	<20	1.96	<0.01	0.06	<2	<0.05	<1	<5	<5	<5
SMS-05	Soil	35	0.52	157	0.055	<20	2.27	<0.01	0.06	<2	<0.05	<1	<5	5	<5
SMS-06	Soil	33	0.52	143	0.055	<20	1.96	<0.01	0.06	<2	<0.05	<1	<5	<5	<5
SMS-07	Soil	37	0.56	144	0.047	<20	1.96	<0.01	0.06	<2	<0.05	<1	<5	<5	<5
SMS-08	Soil	48	0.91	203	0.023	<20	1.56	<0.01	0.11	<2	<0.05	<1	<5	<5	6
SMS-09	Soil	43	0.60	119	0.039	<20	1.46	<0.01	0.06	<2	<0.05	<1	<5	<5	<5
SMS-10	Soil	39	0.65	252	0.015	<20	1.94	<0.01	0.09	<2	<0.05	<1	<5	<5	<5
SMS-11	Soil	29	0.44	209	0.026	<20	1.84	<0.01	0.06	<2	<0.05	<1	<5	<5	<5
SMS-12	Soil	35	0.58	336	0.029	<20	1.47	0.02	0.10	<2	<0.05	<1	<5	<5	7
SMS-13	Soil	33	0.51	142	0.052	<20	2.10	<0.01	0.08	<2	<0.05	<1	<5	<5	<5
SMS-14	Soil	34	0.41	97	0.036	<20	1.40	<0.01	0.06	<2	<0.05	<1	<5	<5	<5
SMS-15	Soil	31	0.43	119	0.048	<20	1.62	<0.01	0.05	<2	<0.05	<1	<5	<5	<5
SMS-16	Soil	28	0.41	142	0.052	<20	1.58	<0.01	0.06	<2	<0.05	<1	<5	<5	<5
SMS-17	Soil	33	0.41	101	0.059	<20	1.94	<0.01	0.05	<2	<0.05	<1	<5	<5	<5
SMS-18	Soil	35	0.42	103	0.053	<20	1.79	<0.01	0.05	<2	<0.05	<1	<5	<5	<5
SMS-19	Soil	24	0.41	113	0.052	<20	1.42	<0.01	0.06	<2	<0.05	<1	<5	<5	<5
SMS-20	Soil	30	0.41	142	0.036	<20	1.62	<0.01	0.06	<2	<0.05	<1	<5	<5	<5
SMS-21	Soil	27	0.34	121	0.038	<20	1.41	<0.01	0.06	<2	<0.05	<1	<5	<5	<5
SMS-22	Soil	32	0.40	160	0.034	<20	1.88	<0.01	0.06	<2	<0.05	<1	<5	<5	<5
SMS-23	Soil	21	0.19	89	0.042	<20	0.83	<0.01	0.05	<2	<0.05	<1	<5	<5	<5
SMS-24	Soil	30	0.43	148	0.048	<20	1.60	<0.01	0.06	<2	<0.05	<1	<5	<5	<5
SMS-25	Soil	24	0.39	113	0.057	<20	1.35	<0.01	0.06	<2	<0.05	<1	<5	<5	<5
SMS-26	Soil	22	0.33	91	0.044	<20	1.03	<0.01	0.05	<2	<0.05	<1	<5	<5	<5
SMS-27	Soil	37	0.38	229	0.035	<20	2.12	<0.01	0.08	<2	0.06	<1	<5	<5	<5
SMS-28	Soil	25	0.35	115	0.054	<20	1.01	<0.01	0.05	<2	<0.05	<1	<5	<5	<5
SMS-29	Soil	32	0.37	154	0.040	<20	1.39	<0.01	0.06	<2	<0.05	<1	<5	<5	<5
SMS-30	Soil	25	0.31	108	0.054	<20	1.06	<0.01	0.05	<2	<0.05	<1	<5	<5	<5
SMS-31	Soil	31	0.30	137	0.064	<20	1.67	<0.01	0.06	<2	<0.05	<1	<5	<5	<5



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CERTIFICATE OF ANALYSIS

WHI18000338.1

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
				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
SMS-32	Soil			<0.005	2	31	12	69	<0.3	39	12	928	3.28	29	<2	16	<0.5	<3	<3	61	0.17	0.067	13
SMS-33	Soil			<0.005	2	33	11	69	<0.3	43	11	796	3.22	30	<2	18	<0.5	<3	<3	59	0.20	0.074	11
SMS-34	Soil			0.007	2	36	13	73	<0.3	44	12	861	3.23	27	<2	16	<0.5	<3	<3	59	0.20	0.067	13
SMS-35	Soil			0.007	2	31	19	90	0.4	34	11	735	3.14	29	2	17	<0.5	<3	<3	54	0.21	0.067	13
SMS-36	Soil			0.007	2	26	20	77	0.4	34	10	687	3.07	39	<2	18	<0.5	<3	<3	60	0.23	0.055	11
SMS-37	Soil			0.010	2	41	12	116	0.4	42	12	653	3.15	15	4	18	<0.5	<3	<3	54	0.21	0.076	15
SMS-38	Soil			0.006	2	31	12	82	0.9	30	8	527	2.28	11	<2	18	<0.5	<3	<3	42	0.17	0.070	10
SMS-39	Soil			0.009	3	48	8	111	0.4	40	11	546	3.15	10	2	15	0.5	<3	<3	49	0.14	0.067	15
SMS-40	Soil			0.011	3	50	8	120	0.5	44	12	602	3.35	11	2	15	<0.5	<3	<3	53	0.15	0.078	16
SMS-41	Soil			0.014	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SMS-42	Soil			0.006	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SMS-43	Soil			0.005	3	44	9	105	<0.3	30	8	387	3.51	11	2	11	<0.5	<3	<3	67	0.07	0.053	13
SMS-44	Soil			<0.005	3	46	7	118	0.4	34	8	427	3.39	9	2	11	<0.5	<3	<3	55	0.08	0.055	13
SMS-45	Soil			0.006	3	38	10	93	0.6	27	10	542	4.01	14	4	11	<0.5	<3	<3	86	0.07	0.051	13
SMS-45A	Soil			<0.005	2	43	8	90	<0.3	42	13	564	3.22	8	3	12	<0.5	<3	<3	51	0.11	0.038	15
SMS-46	Soil			<0.005	1	21	13	58	<0.3	23	9	359	3.13	25	3	12	<0.5	<3	<3	65	0.13	0.046	13
SMS-47	Soil			0.006	2	34	74	54	<0.3	36	15	807	2.87	60	3	12	<0.5	<3	5	62	0.09	0.044	12
SMS-48	Soil			<0.005	1	20	10	55	<0.3	23	12	354	3.39	15	3	13	<0.5	<3	<3	66	0.14	0.053	13
SMS-49	Soil			0.006	2	18	13	50	<0.3	21	9	295	3.05	13	3	13	<0.5	<3	<3	70	0.12	0.052	13
SMS-50	Soil			0.035	2	50	8	139	0.4	50	14	601	3.74	48	5	31	0.7	<3	<3	59	0.20	0.118	15
SMS-51	Soil			0.008	2	35	8	73	0.3	33	10	330	3.07	21	4	25	<0.5	<3	<3	53	0.19	0.067	15
SMS-52	Soil			0.010	2	35	10	126	0.3	40	11	463	3.53	21	4	26	<0.5	<3	<3	61	0.16	0.075	16
SMS-53	Soil			0.010	<1	27	5	49	<0.3	19	7	292	2.13	39	<2	22	<0.5	<3	<3	37	0.12	0.050	8
SMS-54	Soil			0.019	2	23	11	95	<0.3	31	16	849	3.94	48	4	20	<0.5	<3	<3	68	0.17	0.074	13
SMS-55	Soil			<0.005	2	15	9	38	<0.3	12	5	158	2.59	13	3	11	<0.5	<3	<3	70	0.08	0.032	11
SMS-56	Soil			0.012	3	49	8	121	0.4	43	10	606	3.28	21	3	19	<0.5	<3	<3	48	0.14	0.066	17
SMS-57	Soil			0.013	2	43	12	119	<0.3	47	14	809	3.55	30	<2	20	<0.5	<3	<3	64	0.19	0.078	13
SMS-58	Soil			0.018	1	28	8	68	<0.3	27	8	299	2.72	40	3	27	<0.5	<3	<3	54	0.27	0.098	15
SMS-59	Soil			0.027	1	53	8	78	<0.3	33	10	414	2.96	40	3	45	<0.5	<3	<3	49	0.16	0.080	15
SMS-60	Soil			0.061	2	45	9	120	<0.3	40	11	502	3.24	31	3	32	<0.5	<3	<3	49	0.14	0.080	13



Bureau Veritas Commodities Canada Ltd.

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1 Locust Place
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Project: None Given
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CERTIFICATE OF ANALYSIS

WHI18000338.1

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	
SMS-32	Soil	42	0.46	196	0.042	<20	1.69	<0.01	0.05	<2	<0.05	<1	<5	<5	
SMS-33	Soil	42	0.43	219	0.039	<20	1.63	<0.01	0.05	<2	<0.05	<1	<5	<5	
SMS-34	Soil	40	0.46	214	0.041	<20	1.57	<0.01	0.05	<2	<0.05	<1	<5	<5	
SMS-35	Soil	34	0.46	189	0.039	<20	1.60	<0.01	0.06	<2	<0.05	<1	<5	<5	
SMS-36	Soil	41	0.53	211	0.047	<20	1.75	<0.01	0.06	<2	<0.05	<1	<5	<5	
SMS-37	Soil	31	0.43	138	0.055	<20	1.36	<0.01	0.06	<2	<0.05	<1	<5	<5	
SMS-38	Soil	25	0.32	153	0.033	<20	1.21	0.01	0.05	<2	<0.05	<1	<5	<5	
SMS-39	Soil	28	0.42	111	0.044	<20	1.34	<0.01	0.05	<2	<0.05	<1	<5	<5	
SMS-40	Soil	31	0.45	120	0.046	<20	1.52	<0.01	0.06	<2	<0.05	<1	<5	<5	
SMS-41	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
SMS-42	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
SMS-43	Soil	28	0.37	89	0.064	<20	1.45	<0.01	0.06	<2	<0.05	<1	<5	<5	
SMS-44	Soil	24	0.29	54	0.054	<20	1.26	<0.01	0.04	<2	<0.05	<1	<5	<5	
SMS-45	Soil	29	0.33	93	0.073	<20	1.54	<0.01	0.06	<2	<0.05	<1	<5	5	
SMS-45A	Soil	30	0.55	94	0.055	<20	1.68	<0.01	0.06	<2	<0.05	<1	<5	<5	
SMS-46	Soil	33	0.41	89	0.069	<20	2.04	<0.01	0.06	<2	<0.05	<1	<5	<5	
SMS-47	Soil	29	0.28	131	0.059	<20	1.75	<0.01	0.05	<2	<0.05	<1	<5	<5	
SMS-48	Soil	35	0.45	159	0.061	<20	2.62	<0.01	0.05	<2	<0.05	<1	<5	<5	
SMS-49	Soil	34	0.40	163	0.057	<20	2.49	<0.01	0.05	<2	<0.05	<1	<5	<5	
SMS-50	Soil	32	0.36	139	0.061	<20	1.70	<0.01	0.06	<2	<0.05	<1	<5	<5	
SMS-51	Soil	27	0.36	153	0.059	<20	1.58	<0.01	0.06	<2	<0.05	<1	<5	<5	
SMS-52	Soil	28	0.28	139	0.063	<20	1.37	<0.01	0.07	<2	<0.05	<1	<5	<5	
SMS-53	Soil	17	0.21	103	0.044	<20	1.06	0.02	0.05	<2	<0.05	<1	<5	<5	
SMS-54	Soil	36	0.47	171	0.070	<20	2.46	<0.01	0.07	<2	<0.05	<1	<5	<5	
SMS-55	Soil	18	0.14	82	0.072	<20	1.20	<0.01	0.04	<2	<0.05	<1	<5	<5	
SMS-56	Soil	26	0.27	155	0.025	<20	1.13	<0.01	0.07	<2	<0.05	<1	<5	<5	
SMS-57	Soil	35	0.29	138	0.032	<20	0.98	<0.01	0.07	<2	<0.05	<1	<5	<5	
SMS-58	Soil	28	0.44	150	0.065	<20	1.34	<0.01	0.07	<2	<0.05	<1	<5	<5	
SMS-59	Soil	28	0.34	134	0.046	<20	1.35	<0.01	0.06	<2	<0.05	<1	<5	<5	
SMS-60	Soil	26	0.25	93	0.044	<20	1.19	<0.01	0.05	<2	<0.05	<1	<5	<5	



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Project: None Given
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CERTIFICATE OF ANALYSIS

WHI18000338.1

Method	FA430	AQ300	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	
SMS-61	Soil	0.013	2	68	7	117	0.6	59	13	408	3.38	25	<2	21	1.2	<3	<3	46	0.11	0.076	14



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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	
SMS-61	Soil	31	0.18	145	0.025	<20	1.12	<0.01	0.05	<2	<0.05	<1	<5	<5	



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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

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	
XTBD-01	Soil	0.013	2	26	20	60	0.3	26	11	370	2.84	33	4	17	<0.5	<3	<3	54	0.18	0.061	13
XTBD-02	Soil	<0.005	<1	102	9	88	0.3	502	43	1544	5.33	70	5	53	<0.5	<3	<3	135	0.68	0.061	16
XTBD-03	Soil	<0.005	<1	111	11	68	<0.3	96	21	769	4.27	20	3	16	<0.5	<3	<3	134	0.52	0.116	15
XTBD-04	Soil	0.009	<1	76	10	76	0.3	133	21	665	4.28	330	4	13	<0.5	<3	<3	117	0.28	0.060	14
XTBD-05	Soil	0.008	3	24	18	66	<0.3	94	13	903	3.35	22	4	19	<0.5	<3	<3	58	0.31	0.064	21
XTBD-06	Soil	<0.005	2	48	13	87	<0.3	616	46	1884	4.83	152	5	42	<0.5	3	<3	71	0.90	0.033	17
XTBD-07	Soil	0.007	<1	59	11	84	0.3	353	34	1363	4.87	33	4	22	<0.5	<3	<3	113	2.58	0.053	8
XTBD-08	Soil	0.199	3	62	6	103	<0.3	215	28	1378	4.64	253	5	8	<0.5	4	<3	47	0.05	0.046	16
XTBD-09	Soil	0.013	12	89	12	160	<0.3	49	20	797	4.25	70	<2	10	<0.5	<3	<3	29	0.08	0.071	19
XTBD-10	Soil	0.028	2	32	9	74	<0.3	28	9	361	2.91	28	2	36	<0.5	<3	<3	53	0.20	0.079	14
XTBD-11	Soil	0.018	2	29	11	75	0.3	28	9	500	3.03	46	2	26	<0.5	<3	<3	58	0.25	0.082	14
XTBD-12	Soil	0.013	1	33	11	83	<0.3	31	10	406	2.99	19	4	17	<0.5	<3	<3	54	0.18	0.061	17
XTBD-13	Soil	0.017	3	55	16	148	0.5	62	19	1240	4.95	35	2	25	<0.5	<3	<3	90	0.17	0.093	14
XTBD-14	Soil	0.007	2	57	12	126	<0.3	66	16	691	4.02	11	6	16	<0.5	<3	<3	68	0.19	0.081	21



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CERTIFICATE OF ANALYSIS

WHI18000338.1

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	
XTBD-01	Soil	29	0.40	169	0.068	<20	1.72	<0.01	0.07	<2	<0.05	<1	<5	<5	
XTBD-02	Soil	483	3.54	303	0.051	<20	3.61	<0.01	0.07	<2	<0.05	<1	<5	9 23	
XTBD-03	Soil	175	2.64	512	0.074	<20	3.14	<0.01	0.32	<2	<0.05	<1	<5	6 21	
XTBD-04	Soil	177	2.35	324	0.079	<20	3.01	<0.01	0.17	<2	<0.05	<1	<5	5 16	
XTBD-05	Soil	96	1.06	465	0.011	<20	2.13	<0.01	0.08	<2	<0.05	<1	<5	<5 6	
XTBD-06	Soil	584	2.63	635	0.009	<20	2.86	<0.01	0.06	<2	<0.05	<1	<5	7 12	
XTBD-07	Soil	363	3.43	330	0.040	<20	3.70	<0.01	0.15	<2	<0.05	<1	<5	10 20	
XTBD-08	Soil	42	0.30	146	0.008	<20	1.34	<0.01	0.07	<2	<0.05	<1	<5	<5 <5	
XTBD-09	Soil	19	0.07	120	0.009	<20	0.42	<0.01	0.07	<2	<0.05	<1	<5	<5 <5	
XTBD-10	Soil	27	0.36	139	0.052	<20	1.36	<0.01	0.06	<2	<0.05	<1	<5	<5 <5	
XTBD-11	Soil	32	0.48	186	0.053	<20	1.58	<0.01	0.07	<2	<0.05	<1	<5	<5 <5	
XTBD-12	Soil	31	0.43	163	0.052	<20	1.63	<0.01	0.07	<2	<0.05	<1	<5	<5 <5	
XTBD-13	Soil	70	0.83	281	0.036	<20	2.18	<0.01	0.11	<2	<0.05	<1	<5	6 6	
XTBD-14	Soil	82	1.25	143	0.048	<20	2.02	<0.01	0.10	<2	<0.05	<1	<5	<5 6	



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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
XTBD-15	Soil	0.009	2	55	10	114	0.8	60	15	784	3.90	13	3	21	0.6	<3	<3	70	0.21	0.087	24
TSD-01	Soil	0.032	3	21	17	47	1.7	20	8	491	3.17	26	<2	11	<0.5	<3	<3	63	0.10	0.085	9
TSD-02	Soil	0.008	1	17	13	46	0.7	19	8	218	2.96	27	4	11	<0.5	<3	<3	61	0.12	0.044	11
TSD-03	Soil	0.008	4	10	14	26	0.4	7	3	125	1.87	28	2	9	<0.5	<3	<3	71	0.07	0.027	11
TSD-04	Soil	0.012	2	19	15	51	<0.3	17	7	219	2.86	30	3	15	<0.5	<3	<3	60	0.19	0.059	13
TSD-05	Soil	0.013	3	25	21	57	0.5	20	7	212	2.73	56	4	20	<0.5	<3	<3	50	0.23	0.078	15
TSD-06	Soil	0.016	3	23	23	64	0.6	23	8	369	3.04	33	3	18	<0.5	<3	<3	58	0.20	0.071	15
TSD-07	Soil	0.008	2	18	23	47	<0.3	18	8	304	3.38	22	3	13	<0.5	<3	<3	75	0.10	0.044	13
TSD-08	Soil	0.009	1	21	12	62	<0.3	25	14	509	3.41	16	5	18	<0.5	<3	<3	64	0.17	0.093	13
TSD-09	Soil	0.009	2	26	13	70	<0.3	28	10	404	2.97	29	3	16	<0.5	<3	<3	51	0.17	0.054	11
TSD-10	Soil	0.007	1	20	10	53	<0.3	18	7	272	2.54	21	<2	18	<0.5	<3	<3	49	0.20	0.048	12
TSD-11	Soil	0.007	2	21	12	65	<0.3	26	9	388	3.29	16	4	15	<0.5	<3	<3	63	0.14	0.039	13
TSD-12	Soil	0.011	2	23	11	83	<0.3	28	10	509	3.11	18	3	19	<0.5	<3	<3	57	0.19	0.059	13
TSD-13	Soil	0.009	2	22	13	73	<0.3	24	10	494	3.36	18	2	20	<0.5	<3	<3	62	0.23	0.068	14
TSD-14	Soil	0.006	1	19	12	53	<0.3	29	10	307	3.04	19	<2	13	<0.5	<3	<3	60	0.11	0.038	12
TSD-15	Soil	0.008	<1	22	9	61	<0.3	31	12	365	3.23	14	2	14	<0.5	<3	<3	60	0.15	0.035	12
TSD-16	Soil	0.022	1	92	13	143	<0.3	141	25	1214	5.24	275	2	11	<0.5	<3	<3	149	0.12	0.078	15
TSD-17	Soil	0.017	2	102	10	185	0.3	224	47	1543	4.68	334	5	12	<0.5	<3	<3	96	0.21	0.107	20
TSD-18	Soil	0.033	1	76	12	114	<0.3	108	20	870	4.90	142	2	9	<0.5	<3	<3	118	0.10	0.082	13
TSD-19	Soil	0.041	2	88	8	106	0.3	74	16	690	4.17	342	3	15	<0.5	<3	<3	80	0.15	0.101	19
TSD-20	Soil	0.047	2	80	9	88	<0.3	51	11	426	4.12	393	<2	12	<0.5	<3	<3	86	0.06	0.079	13
TSD-21	Soil	0.043	1	63	7	94	<0.3	92	16	822	3.92	125	3	11	<0.5	<3	<3	87	0.11	0.052	15
TSD-22	Soil	0.017	1	71	12	94	<0.3	82	15	330	3.53	148	4	14	<0.5	<3	<3	72	0.17	0.060	18
TSD-23	Soil	0.014	1	72	10	103	<0.3	89	21	591	3.96	140	5	17	<0.5	<3	<3	82	0.20	0.059	21
TSD-24	Soil	0.011	1	71	10	93	<0.3	74	17	807	4.10	176	3	15	<0.5	<3	<3	80	0.16	0.053	21
TSD-25	Soil	0.008	<1	81	13	84	<0.3	110	25	823	4.42	173	3	18	<0.5	<3	<3	110	0.39	0.066	18



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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
XTBD-15	Soil	65	0.93	195	0.045	<20	1.99	<0.01	0.09	<2	<0.05	<1	<5	<5	6
TSD-01	Soil	44	0.34	84	0.058	<20	2.05	<0.01	0.06	<2	0.07	<1	<5	<5	<5
TSD-02	Soil	33	0.45	95	0.062	<20	2.58	<0.01	0.06	<2	<0.05	<1	<5	<5	<5
TSD-03	Soil	18	0.13	66	0.087	<20	0.77	<0.01	0.06	<2	<0.05	<1	<5	<5	<5
TSD-04	Soil	30	0.45	157	0.070	<20	1.91	<0.01	0.07	<2	<0.05	<1	<5	<5	<5
TSD-05	Soil	28	0.39	195	0.065	<20	1.34	<0.01	0.06	<2	<0.05	<1	<5	<5	<5
TSD-06	Soil	32	0.47	239	0.068	<20	1.77	<0.01	0.07	<2	<0.05	<1	<5	<5	<5
TSD-07	Soil	31	0.31	99	0.075	<20	2.02	<0.01	0.05	<2	<0.05	<1	<5	<5	<5
TSD-08	Soil	37	0.55	181	0.080	<20	2.96	<0.01	0.07	<2	<0.05	<1	<5	<5	5
TSD-09	Soil	28	0.46	152	0.062	<20	1.73	<0.01	0.07	<2	<0.05	<1	<5	<5	<5
TSD-10	Soil	28	0.39	168	0.055	<20	1.48	<0.01	0.07	<2	<0.05	<1	<5	<5	<5
TSD-11	Soil	34	0.46	129	0.078	<20	2.15	<0.01	0.07	<2	<0.05	<1	<5	<5	<5
TSD-12	Soil	33	0.44	200	0.064	<20	1.86	<0.01	0.08	<2	<0.05	<1	<5	<5	<5
TSD-13	Soil	35	0.51	172	0.070	<20	1.89	<0.01	0.08	<2	<0.05	<1	<5	6	<5
TSD-14	Soil	32	0.46	132	0.068	<20	2.32	<0.01	0.06	<2	<0.05	<1	<5	<5	<5
TSD-15	Soil	34	0.58	164	0.078	<20	2.46	<0.01	0.07	<2	<0.05	<1	<5	5	<5
TSD-16	Soil	185	2.70	433	0.123	<20	3.10	<0.01	0.56	<2	<0.05	<1	<5	7	21
TSD-17	Soil	180	2.49	184	0.008	<20	2.81	<0.01	0.14	<2	<0.05	<1	<5	12	18
TSD-18	Soil	165	2.13	299	0.080	<20	2.69	<0.01	0.29	<2	<0.05	<1	<5	9	13
TSD-19	Soil	88	1.16	180	0.034	<20	1.97	<0.01	0.16	<2	<0.05	<1	<5	7	9
TSD-20	Soil	79	0.89	146	0.028	<20	1.76	<0.01	0.13	<2	<0.05	<1	<5	7	7
TSD-21	Soil	133	1.80	247	0.060	<20	2.51	<0.01	0.17	<2	<0.05	<1	<5	7	10
TSD-22	Soil	86	1.17	230	0.069	<20	2.20	<0.01	0.13	<2	<0.05	<1	<5	8	9
TSD-23	Soil	111	1.42	287	0.092	<20	2.47	<0.01	0.19	<2	<0.05	<1	<5	<5	9
TSD-24	Soil	110	1.42	265	0.078	<20	2.30	<0.01	0.17	<2	<0.05	<1	<5	<5	9
TSD-25	Soil	160	1.95	352	0.099	<20	2.71	<0.01	0.21	<2	<0.05	<1	<5	8	14



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

Project: None Given
Report Date: August 08, 2018

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QUALITY CONTROL REPORT

WHI18000338.1

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																					
SMS-13	Soil	0.027	2	42	11	72	0.8	27	10	418	3.28	42	3	20	<0.5	<3	<3	59	0.14	0.066	16
REP SMS-13	QC		2	43	10	74	0.9	27	10	422	3.32	41	4	21	<0.5	<3	<3	59	0.14	0.066	16
SMS-34	Soil	0.007	2	36	13	73	<0.3	44	12	861	3.23	27	<2	16	<0.5	<3	<3	59	0.20	0.067	13
REP SMS-34	QC	0.006																			
SMS-37	Soil	0.010	2	41	12	116	0.4	42	12	653	3.15	15	4	18	<0.5	<3	<3	54	0.21	0.076	15
REP SMS-37	QC	0.015																			
SMS-48	Soil	<0.005	1	20	10	55	<0.3	23	12	354	3.39	15	3	13	<0.5	<3	<3	66	0.14	0.053	13
REP SMS-48	QC		1	19	10	54	<0.3	22	11	345	3.29	15	3	13	<0.5	<3	<3	64	0.13	0.052	12
XTBD-01	Soil	0.013	2	26	20	60	0.3	26	11	370	2.84	33	4	17	<0.5	<3	<3	54	0.18	0.061	13
REP XTBD-01	QC	0.012																			
XTBD-14	Soil	0.007	2	57	12	126	<0.3	66	16	691	4.02	11	6	16	<0.5	<3	<3	68	0.19	0.081	21
REP XTBD-14	QC		2	57	12	125	0.3	65	16	709	4.00	11	5	16	<0.5	<3	<3	67	0.19	0.080	20
TSD-21	Soil	0.043	1	63	7	94	<0.3	92	16	822	3.92	125	3	11	<0.5	<3	<3	87	0.11	0.052	15
REP TSD-21	QC		1	64	8	95	<0.3	92	16	829	3.95	128	5	11	<0.5	<3	<3	88	0.11	0.051	15



QUALITY CONTROL REPORT

WHI18000338.1

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															
SMS-13	Soil	33	0.51	142	0.052	<20	2.10	<0.01	0.08	<2	<0.05	<1	<5	<5	<5
REP SMS-13	QC	33	0.51	143	0.052	<20	2.12	<0.01	0.08	<2	<0.05	<1	<5	<5	<5
SMS-34	Soil	40	0.46	214	0.041	<20	1.57	<0.01	0.05	<2	<0.05	<1	<5	<5	<5
REP SMS-34	QC														
SMS-37	Soil	31	0.43	138	0.055	<20	1.36	<0.01	0.06	<2	<0.05	<1	<5	<5	<5
REP SMS-37	QC														
SMS-48	Soil	35	0.45	159	0.061	<20	2.62	<0.01	0.05	<2	<0.05	<1	<5	<5	<5
REP SMS-48	QC	34	0.44	155	0.059	<20	2.59	<0.01	0.05	<2	<0.05	<1	<5	<5	<5
XTBD-01	Soil	29	0.40	169	0.068	<20	1.72	<0.01	0.07	<2	<0.05	<1	<5	<5	<5
REP XTBD-01	QC														
XTBD-14	Soil	82	1.25	143	0.048	<20	2.02	<0.01	0.10	<2	<0.05	<1	<5	<5	6
REP XTBD-14	QC	81	1.25	147	0.048	<20	2.02	<0.01	0.10	<2	<0.05	<1	<5	<5	6
TSD-21	Soil	133	1.80	247	0.060	<20	2.51	<0.01	0.17	<2	<0.05	<1	<5	7	10
REP TSD-21	QC	138	1.80	248	0.059	<20	2.53	<0.01	0.17	<2	<0.05	<1	<5	7	10



Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

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Whitehorse Yukon Y1A 5G9 Canada

Project: None Given
Report Date: August 08, 2018

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QUALITY CONTROL REPORT

WHI18000338.1

		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
		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
Reference Materials																					
STD DS11	Standard		14	147	140	344	1.4	78	12	1077	3.19	43	8	70	2.1	7	9	48	1.07	0.071	18
STD DS11	Standard		15	143	138	340	1.5	76	12	1011	3.01	42	6	66	2.0	6	11	48	1.04	0.070	17
STD DS11	Standard		13	144	129	348	1.4	76	12	1025	3.10	46	8	67	2.2	6	10	48	1.04	0.070	18
STD DS11	Standard		13	140	118	325	1.7	74	12	970	3.04	41	8	61	1.8	6	11	45	1.01	0.066	16
STD DS11	Standard		13	145	133	328	1.7	76	13	978	3.07	40	7	61	2.1	7	12	47	1.01	0.067	16
STD DS11	Standard		14	148	132	333	1.6	77	13	996	3.13	41	8	66	2.4	7	10	49	1.07	0.070	17
STD DS11	Standard		15	141	127	326	1.6	75	13	990	3.05	41	7	63	2.2	6	13	48	1.02	0.068	17
STD DS11	Standard		14	149	134	345	1.4	79	13	1031	3.27	44	6	68	2.2	7	12	49	1.08	0.070	18
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 OREAS45EA	Standard		1	689	14	32	<0.3	379	51	405	22.15	4	9	4	<0.5	<3	<3	303	0.04	0.030	8
STD OREAS45EA	Standard		2	680	14	32	0.4	374	50	398	21.02	4	6	4	<0.5	<3	<3	298	0.04	0.029	8
STD OREAS45EA	Standard		2	703	10	33	<0.3	396	52	409	22.89	4	5	4	<0.5	<3	<3	313	0.04	0.030	9
STD OREAS45EA	Standard		2	671	13	29	0.5	362	47	396	20.56	10	10	4	<0.5	<3	<3	294	0.03	0.028	7
STD OREAS45EA	Standard		2	696	13	30	0.5	380	52	416	22.85	11	11	4	<0.5	<3	<3	306	0.03	0.030	8
STD OREAS45EA	Standard		2	688	14	30	0.4	375	51	413	22.59	12	11	4	<0.5	<3	<3	303	0.03	0.030	8
STD OREAS45EA	Standard		2	691	12	31	0.4	382	52	418	23.89	12	11	4	<0.5	<3	<3	308	0.03	0.030	8
STD OREAS45EA	Standard		2	716	14	33	<0.3	414	54	411	23.52	5	6	4	<0.5	<3	<3	323	0.04	0.030	9
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 OXC145	Standard	0.211																			
STD OXC145	Standard	0.216																			
STD OXC145	Standard	0.211																			
STD OXC145	Standard	0.221																			
STD OXC145	Standard	0.216																			
STD OXH139	Standard	1.326																			
STD OXH139	Standard	1.399																			
STD OXH139	Standard	1.377																			
STD OXH139	Standard	1.367																			
STD OXH139	Standard	1.357																			



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

Project: None Given
Report Date: August 08, 2018

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QUALITY CONTROL REPORT

WHI18000338.1

		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
		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
Reference Materials															
STD DS11	Standard	58	0.84	435	0.094	<20	1.20	0.07	0.41	3	0.28	<1	5	<5	<5
STD DS11	Standard	57	0.83	404	0.089	<20	1.12	0.07	0.40	3	0.28	<1	<5	<5	<5
STD DS11	Standard	56	0.82	416	0.089	<20	1.15	0.07	0.40	3	0.28	<1	6	<5	<5
STD DS11	Standard	57	0.80	372	0.083	<20	1.08	0.07	0.38	2	0.26	<1	<5	<5	<5
STD DS11	Standard	58	0.80	367	0.086	<20	1.08	0.07	0.39	<2	0.26	<1	<5	<5	<5
STD DS11	Standard	59	0.83	427	0.089	<20	1.15	0.07	0.41	2	0.29	<1	<5	<5	<5
STD DS11	Standard	58	0.81	383	0.088	<20	1.12	0.07	0.39	2	0.27	<1	5	<5	<5
STD DS11	Standard	58	0.84	405	0.094	<20	1.17	0.07	0.41	3	0.28	<1	5	5	<5
STD DS11	Standard	57	0.84	414	0.093	<20	1.15	0.07	0.41	3	0.28	<1	5	<5	<5
STD OREAS45EA	Standard	857	0.09	148	0.096	<20	3.26	0.02	0.05	<2	<0.05	<1	<5	7	83
STD OREAS45EA	Standard	848	0.09	144	0.097	<20	3.22	0.02	0.05	<2	<0.05	<1	<5	11	81
STD OREAS45EA	Standard	884	0.10	150	0.097	<20	3.44	0.01	0.06	<2	<0.05	<1	<5	13	86
STD OREAS45EA	Standard	911	0.09	144	0.095	<20	3.29	0.02	0.05	<2	<0.05	<1	<5	10	83
STD OREAS45EA	Standard	916	0.09	150	0.101	<20	3.47	0.02	0.05	<2	<0.05	<1	<5	12	87
STD OREAS45EA	Standard	917	0.09	148	0.100	<20	3.43	0.02	0.06	<2	<0.05	<1	<5	11	87
STD OREAS45EA	Standard	907	0.10	151	0.099	<20	3.45	0.02	0.06	<2	<0.05	<1	<5	9	88
STD OREAS45EA	Standard	922	0.10	149	0.103	20	3.52	0.02	0.06	<2	<0.05	<1	<5	27	88
STD OREAS45EA	Standard	918	0.10	152	0.111	24	3.62	0.02	0.06	<2	<0.05	<1	<5	26	89
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														



Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

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1 Locust Place
Whitehorse Yukon Y1A 5G9 Canada

Project: None Given
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QUALITY CONTROL REPORT

WHI18000338.1

		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	
STD OXN134	Standard	7.980																				
STD OXN134	Standard	8.112																				
STD OXN134	Standard	8.055																				
STD OXN134	Standard	7.692																				
STD OXN134	Standard	8.016																				
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																				
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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.



QUALITY CONTROL REPORT

WHI18000338.1

		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 OXN134	Standard														
STD OXN134	Standard														
STD OXN134	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
BLK	Blank														
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BLK	Blank														
BLK	Blank														
BLK	Blank														
BLK	Blank														
BLK	Blank														
BLK	Blank														
BLK	Blank														
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	<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	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
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MINERAL LABORATORIES
Canada

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: Kreft, Bernie

1 Locust Place

Whitehorse Yukon Y1A 5G9 Canada

Submitted By: Bernie Kreft

Receiving Lab: Canada-Whitehorse

Received: September 11, 2018

Report Date: October 30, 2018

Page: 1 of 4

CERTIFICATE OF ANALYSIS

WHI18000907.1

CLIENT JOB INFORMATION

Project: None Given
Shipment ID:
P.O. Number
Number of Samples: 67

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	67	Dry at 60C			WHI
SS80	67	Dry at 60C sieve 100g to -80 mesh			WHI
SVRJT	67	Save all or part of Soil Reject			WHI
FA430	66	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
EN002	67	Environmental disposal charge-Fire assay lead waste			VAN
AQ300	67	1:1:1 Aqua Regia digestion ICP-ES analysis	0.5	Completed	VAN
SHP01	67	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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Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI18000907.1

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
CSMD-01	Soil	0.008	1	22	14	75	<0.3	25	7	297	2.44	40	<2	16	<0.5	<3	<3	44	0.19	0.054	11
CSMD-02	Soil	0.016	1	19	15	48	0.4	17	5	175	2.16	21	<2	16	<0.5	<3	<3	43	0.17	0.049	10
CSMD-03	Soil	0.009	1	22	16	53	0.3	19	7	264	2.55	39	<2	18	<0.5	<3	<3	52	0.18	0.056	11
CSMD-04	Soil	0.015	1	22	17	56	0.3	19	7	232	2.69	33	<2	17	<0.5	<3	<3	55	0.17	0.055	12
CSMD-05	Soil	0.011	1	20	12	51	0.3	17	6	246	2.52	30	<2	17	<0.5	<3	<3	51	0.16	0.057	11
CSMD-06	Soil	0.013	<1	19	10	48	<0.3	17	6	205	2.39	27	<2	14	<0.5	<3	<3	50	0.16	0.044	10
CSMD-07	Soil	0.011	1	25	12	68	0.4	22	6	207	2.50	22	<2	17	<0.5	<3	<3	51	0.18	0.060	11
CSMD-08	Soil	0.015	1	25	10	80	0.3	28	9	446	3.09	61	<2	16	<0.5	<3	<3	58	0.19	0.068	11
CSMD-09	Soil	0.020	1	28	13	80	0.5	29	9	417	3.10	104	<2	17	<0.5	<3	<3	58	0.19	0.074	10
CSMD-10	Soil	0.006	2	36	11	71	0.3	28	7	286	3.12	15	<2	14	<0.5	<3	<3	47	0.06	0.046	15
CSMD-11	Soil	0.007	1	28	16	101	0.4	32	10	400	3.47	13	<2	10	0.8	<3	<3	58	0.10	0.044	14
CSMD-12	Soil	0.010	1	34	7	72	<0.3	50	14	683	3.40	42	4	12	<0.5	<3	<3	50	0.13	0.051	16
CSMD-13	Soil	0.093	3	73	10	305	0.9	99	33	3817	5.34	917	2	21	2.5	<3	<3	36	0.06	0.066	16
CSMD-14	Soil	0.012	3	59	3	127	<0.3	385	42	1884	5.03	364	5	7	<0.5	<3	<3	38	0.05	0.053	25
CSMD-15	Soil	0.010	1	62	9	83	<0.3	42	22	753	4.46	18	3	8	<0.5	<3	<3	50	0.05	0.062	17
CSMD-16	Soil	0.008	2	47	9	102	0.5	57	13	626	3.78	17	3	20	<0.5	<3	<3	43	0.17	0.067	18
CSMD-17	Soil	0.007	2	59	10	75	<0.3	45	17	1158	3.82	10	<2	9	<0.5	<3	<3	51	0.08	0.043	17
CSMD-18	Soil	0.006	<1	23	10	58	0.3	47	14	626	3.45	34	3	11	<0.5	<3	<3	55	0.12	0.043	9
CSMD-19	Soil	0.008	1	15	10	45	<0.3	17	7	504	2.56	5	<2	41	<0.5	<3	<3	48	0.29	0.052	12
CSMD-20	Soil	0.008	<1	12	11	53	<0.3	15	12	962	3.21	3	<2	30	<0.5	<3	<3	52	0.20	0.064	9
CSMD-21	Soil	0.014	<1	30	6	59	<0.3	29	9	364	2.76	20	<2	16	<0.5	<3	<3	52	0.17	0.053	12
CSMD-22	Soil	0.040	2	40	24	68	0.4	38	10	531	2.89	30	<2	19	0.5	<3	<3	58	0.11	0.069	12
CSMD-23	Soil	0.052	3	63	22	135	0.5	61	19	1159	3.09	41	5	24	<0.5	<3	<3	56	0.19	0.071	15



Bureau Veritas Commodities Canada Ltd.

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Whitehorse Yukon Y1A 5G9 Canada

Project: None Given
Report Date: October 30, 2018

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CERTIFICATE OF ANALYSIS

WHI18000907.1

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	
CSMD-01	Soil	25	0.42	152	0.058	<20	1.24	<0.01	0.05	<2	<0.05	<1	<5	<5	
CSMD-02	Soil	25	0.38	145	0.047	<20	1.35	<0.01	0.06	<2	<0.05	<1	<5	<5	
CSMD-03	Soil	29	0.41	153	0.055	<20	1.53	<0.01	0.06	<2	<0.05	<1	<5	<5	
CSMD-04	Soil	31	0.45	157	0.054	<20	1.62	<0.01	0.06	<2	<0.05	<1	<5	<5	
CSMD-05	Soil	28	0.41	166	0.048	<20	1.56	<0.01	0.06	<2	<0.05	<1	<5	<5	
CSMD-06	Soil	28	0.41	131	0.056	<20	1.44	<0.01	0.06	<2	<0.05	<1	<5	<5	
CSMD-07	Soil	35	0.52	186	0.052	<20	1.54	<0.01	0.06	<2	<0.05	<1	<5	<5	
CSMD-08	Soil	35	0.46	188	0.050	<20	1.47	<0.01	0.06	<2	<0.05	<1	<5	<5	
CSMD-09	Soil	36	0.43	203	0.047	<20	1.60	<0.01	0.07	<2	<0.05	<1	<5	<5	
CSMD-10	Soil	23	0.22	77	0.022	<20	1.42	<0.01	0.06	<2	<0.05	<1	<5	<5	
CSMD-11	Soil	32	0.47	108	0.040	<20	1.82	<0.01	0.05	<2	<0.05	<1	<5	<5	
CSMD-12	Soil	37	0.43	131	0.036	<20	1.56	<0.01	0.05	<2	<0.05	<1	<5	<5	
CSMD-13	Soil	24	0.14	431	0.004	<20	0.73	<0.01	0.05	<2	<0.05	<1	7	<5	
CSMD-14	Soil	82	0.71	180	0.002	<20	1.07	<0.01	0.06	<2	<0.05	<1	<5	<5	
CSMD-15	Soil	30	0.67	107	0.003	<20	1.21	<0.01	0.07	<2	<0.05	<1	<5	<5	
CSMD-16	Soil	44	0.61	142	0.017	<20	1.42	<0.01	0.08	<2	<0.05	<1	<5	<5	
CSMD-17	Soil	32	0.61	94	0.033	<20	1.72	<0.01	0.06	<2	<0.05	<1	<5	<5	
CSMD-18	Soil	62	0.64	131	0.045	<20	2.29	<0.01	0.05	<2	<0.05	<1	<5	<5	
CSMD-19	Soil	27	0.36	495	0.011	<20	1.46	<0.01	0.06	<2	<0.05	<1	<5	<5	
CSMD-20	Soil	25	0.27	398	0.006	<20	1.93	<0.01	0.09	<2	<0.05	<1	<5	<5	
CSMD-21	Soil	33	0.55	167	0.043	<20	1.98	<0.01	0.06	<2	<0.05	<1	<5	<5	
CSMD-22	Soil	44	0.53	158	0.022	<20	1.71	<0.01	0.06	<2	<0.05	<1	<5	<5	
CSMD-23	Soil	38	0.62	87	0.037	<20	1.41	<0.01	0.07	<2	<0.05	<1	<5	<5	



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Whitehorse Yukon Y1A 5G9 Canada

Project: None Given
Report Date: October 30, 2018

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CERTIFICATE OF ANALYSIS

WHI18000907.1

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	
DSD-01	Soil	0.013	2	22	19	50	0.3	17	6	185	2.80	44	2	13	<0.5	<3	<3	54	0.18	0.060	13
DSD-02	Soil	0.015	<1	29	14	53	0.3	23	10	307	2.97	40	3	17	<0.5	<3	<3	62	0.23	0.056	12
DSD-03	Soil	0.025	<1	23	25	44	0.7	16	5	152	2.51	29	2	18	<0.5	<3	<3	48	0.21	0.068	11
DSD-04	Soil	0.014	1	17	31	39	0.5	12	5	247	2.32	24	3	12	<0.5	<3	<3	48	0.11	0.046	8
DSD-05	Soil	0.011	1	19	32	46	<0.3	15	7	317	2.25	23	<2	14	<0.5	<3	<3	49	0.13	0.046	9
DSD-06	Soil	0.014	1	19	15	51	<0.3	20	9	300	2.93	27	4	11	<0.5	<3	<3	54	0.14	0.054	11
DSD-07	Soil	0.014	2	19	28	38	<0.3	12	5	208	2.24	36	3	12	<0.5	<3	<3	47	0.11	0.035	10
DSD-08	Soil	0.031	2	28	21	66	0.5	22	9	495	3.34	41	3	19	<0.5	<3	<3	68	0.18	0.059	11
DSD-09	Soil	0.017	2	20	18	45	0.4	17	5	236	2.49	38	<2	15	<0.5	<3	<3	49	0.17	0.047	11
DSD-10	Soil	<0.005	<1	102	8	46	<0.3	155	19	529	3.16	48	7	4	<0.5	<3	<3	90	0.07	0.025	24
DSD-11	Soil	0.008	1	67	7	68	<0.3	81	22	1086	3.98	175	3	9	<0.5	<3	<3	95	0.15	0.035	13
DSD-12	Soil	0.007	<1	47	11	63	<0.3	60	14	950	3.77	113	<2	9	<0.5	<3	<3	88	0.13	0.045	13
DSD-13	Soil	0.149	1	45	10	72	<0.3	86	12	697	3.83	223	<2	14	<0.5	<3	<3	94	0.21	0.051	11



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Project: None Given
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Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI18000907.1

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	

DSD-01	Soil	26	0.39	119	0.062	<20	1.52	<0.01	0.06	<2	<0.05	<1	<5	<5	<5
DSD-02	Soil	45	0.71	196	0.057	<20	1.71	<0.01	0.06	<2	<0.05	<1	<5	<5	6
DSD-03	Soil	26	0.36	159	0.054	<20	1.28	<0.01	0.06	<2	<0.05	<1	<5	<5	<5
DSD-04	Soil	20	0.26	88	0.055	<20	1.14	<0.01	0.05	<2	<0.05	<1	<5	<5	<5
DSD-05	Soil	22	0.30	108	0.055	<20	1.31	<0.01	0.05	<2	<0.05	<1	<5	<5	<5
DSD-06	Soil	29	0.41	106	0.066	<20	2.08	<0.01	0.06	<2	<0.05	<1	<5	<5	<5
DSD-07	Soil	20	0.26	91	0.061	<20	0.84	<0.01	0.05	<2	<0.05	<1	<5	<5	<5
DSD-08	Soil	39	0.55	227	0.045	<20	2.06	<0.01	0.09	<2	<0.05	<1	<5	<5	<5
DSD-09	Soil	23	0.31	138	0.053	<20	1.27	<0.01	0.05	<2	<0.05	<1	<5	<5	<5
DSD-10	Soil	170	2.24	209	0.038	<20	2.64	<0.01	0.11	<2	<0.05	<1	<5	7	11
DSD-11	Soil	93	1.68	291	0.076	<20	2.57	<0.01	0.15	<2	<0.05	<1	<5	5	8
DSD-12	Soil	71	1.23	274	0.052	<20	2.21	<0.01	0.12	<2	<0.05	<1	<5	6	6
DSD-13	Soil	144	1.67	311	0.038	<20	2.24	<0.01	0.10	<2	<0.05	<1	<5	9	8



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: October 30, 2018

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Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI18000907.1

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
DSD-14	Soil	0.038	1	55	8	89	0.4	105	17	700	4.10	119	2	11	<0.5	<3	<3	103	0.15	0.067	12
DSD-15	Soil	0.018	1	111	7	81	0.4	63	14	872	3.91	268	3	30	<0.5	<3	<3	49	0.13	0.083	12
DSD-16	Soil	0.019	1	6	4	24	<0.3	6	2	167	1.52	3	<2	21	<0.5	<3	<3	41	0.13	0.035	8
DSD-17	Soil	I.S.	1	11	11	61	<0.3	12	7	719	2.73	3	<2	77	<0.5	<3	<3	50	0.49	0.088	9
DSD-18	Soil	0.040	3	42	10	93	0.7	38	11	640	3.51	108	3	26	<0.5	<3	<3	68	0.19	0.079	12
DSD-19	Soil	0.013	2	41	8	95	<0.3	54	17	635	3.00	31	3	22	0.5	<3	<3	55	0.20	0.080	14
DSD-20	Soil	0.008	1	29	9	59	<0.3	24	9	359	2.97	17	4	17	<0.5	<3	<3	60	0.11	0.040	15



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CERTIFICATE OF ANALYSIS

WHI18000907.1

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
DSD-14	Soil	159	2.00	282	0.079	<20	2.55	<0.01	0.24	<2	<0.05	<1	<5	5	11
DSD-15	Soil	40	0.27	132	0.009	<20	0.85	<0.01	0.15	<2	0.09	<1	<5	<5	7
DSD-16	Soil	14	0.15	157	0.013	<20	1.04	<0.01	0.05	<2	<0.05	<1	<5	<5	<5
DSD-17	Soil	21	0.27	460	0.004	<20	1.29	<0.01	0.09	<2	<0.05	<1	<5	<5	7
DSD-18	Soil	46	0.64	314	0.031	<20	2.32	<0.01	0.11	<2	0.06	<1	<5	6	5
DSD-19	Soil	34	0.52	93	0.049	<20	1.57	<0.01	0.07	<2	<0.05	<1	<5	<5	<5
DSD-20	Soil	32	0.47	175	0.054	<20	1.85	<0.01	0.06	<2	<0.05	<1	<5	<5	<5



QUALITY CONTROL REPORT

WHI18000907.1

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																					
CMSD-05	Soil	0.011	1	20	12	51	0.3	17	6	246	2.52	30	<2	17	<0.5	<3	<3	51	0.16	0.057	11
REP CMSD-05	QC		<1	20	11	50	0.4	17	6	239	2.45	31	<2	16	<0.5	<3	<3	49	0.16	0.056	11
DSD-03	Soil	0.025	<1	23	25	44	0.7	16	5	152	2.51	29	2	18	<0.5	<3	<3	48	0.21	0.068	11
REP DSD-03	QC	0.026																			
DSD-07	Soil	0.014	2	19	28	38	<0.3	12	5	208	2.24	36	3	12	<0.5	<3	<3	47	0.11	0.035	10
REP DSD-07	QC	0.012																			
Reference Materials																					
STD DS11	Standard		13	141	128	338	1.6	73	12	991	3.07	39	6	61	2.1	7	11	46	1.02	0.066	16
STD DS11	Standard		13	145	133	342	1.6	74	12	978	3.11	42	8	62	2.3	8	12	47	1.01	0.067	16
STD OREAS45EA	Standard		2	688	12	30	0.5	371	49	408	21.95	12	10	3	<0.5	<3	<3	301	0.03	0.030	7
STD OREAS45EA	Standard		2	683	13	29	0.4	368	47	405	21.24	12	10	3	0.6	<3	<3	289	0.03	0.029	7
STD OXC145	Standard	0.213																			
STD OXH139	Standard	1.324																			
STD OXN134	Standard	7.460																			
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																			
STD OXC145 Expected		0.212																			
STD OXH139 Expected		1.312																			
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	<0.005																			
BLK	Blank	<0.005																			



Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

QUALITY CONTROL REPORT

WHI18000907.1

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															
CSMD-05	Soil	28	0.41	166	0.048	<20	1.56	<0.01	0.06	<2	<0.05	<1	<5	<5	<5
REP CSMD-05	QC	28	0.40	161	0.046	<20	1.52	<0.01	0.06	<2	<0.05	<1	<5	<5	<5
DSD-03															
DSD-03	Soil	26	0.36	159	0.054	<20	1.28	<0.01	0.06	<2	<0.05	<1	<5	<5	<5
REP DSD-03	QC														
DSD-07															
DSD-07	Soil	20	0.26	91	0.061	<20	0.84	<0.01	0.05	<2	<0.05	<1	<5	<5	<5
REP DSD-07	QC														
Reference Materials															
STD DS11	Standard	57	0.80	358	0.088	<20	1.09	0.07	0.38	3	0.26	<1	<5	<5	<5
STD DS11	Standard	58	0.82	379	0.087	<20	1.11	0.07	0.39	2	0.27	<1	<5	<5	<5
STD OREAS45EA	Standard	918	0.09	142	0.100	<20	3.33	0.02	0.06	<2	<0.05	<1	<5	10	85
STD OREAS45EA	Standard	909	0.09	140	0.099	<20	3.28	0.02	0.06	<2	<0.05	<1	<5	19	84
STD OXC145	Standard														
STD OXH139	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															
STD OXC145 Expected															
STD OXH139 Expected															
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														



BUREAU VERITAS
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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 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.



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

Page: 2 of 5

Part: 1 of 2

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	%	%	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



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: August 11, 2018

Page: 2 of 5

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI18000406.1

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
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



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

Project: None Given
Report Date: August 11, 2018

Page: 1 of 2

Part: 1 of 2

QUALITY CONTROL REPORT

WHI18000406.1

Method	FA430	AQ300	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
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																			



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

Page: 1 of 2

Part: 2 of 2

QUALITY CONTROL REPORT

WHI18000406.1

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															
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
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															



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

Page: 2 of 2

Part: 1 of 2

QUALITY CONTROL REPORT

WHI18000406.1

	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																			
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

Page: 2 of 2

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
Page: 1 of 3

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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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	MDL	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
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



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Project: None Given
Report Date: June 28, 2018

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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



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Project: None Given
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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																					
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	



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QUALITY CONTROL REPORT

WHI18000109.1

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															
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