

2020 Field Season

**Geochemical Sampling and Prospecting Report
On The
Grabben Property**

Claims

**Sask-1 to 20: YE78821 to 840,
Basal 1 to 10: YF49070 to 079,
Uran 1 to 8: YF49080 to 087,
Nug 1 to 3: YE90324 to 326**

**Located In
Dawson Mining District**

**On
NTS 115-O-11
At
63° 40' north and 139° 6' west**

**By
Bernie Kreft
November 30th, 2020**

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Location – The Grabben Gold Project is located in the Dawson Mining District on NTS mapsheet 115-O-11 southwest of the Indian River and northeast of Haystack Mountain, at approximately 63° 41’ north and 139° 7’ west.

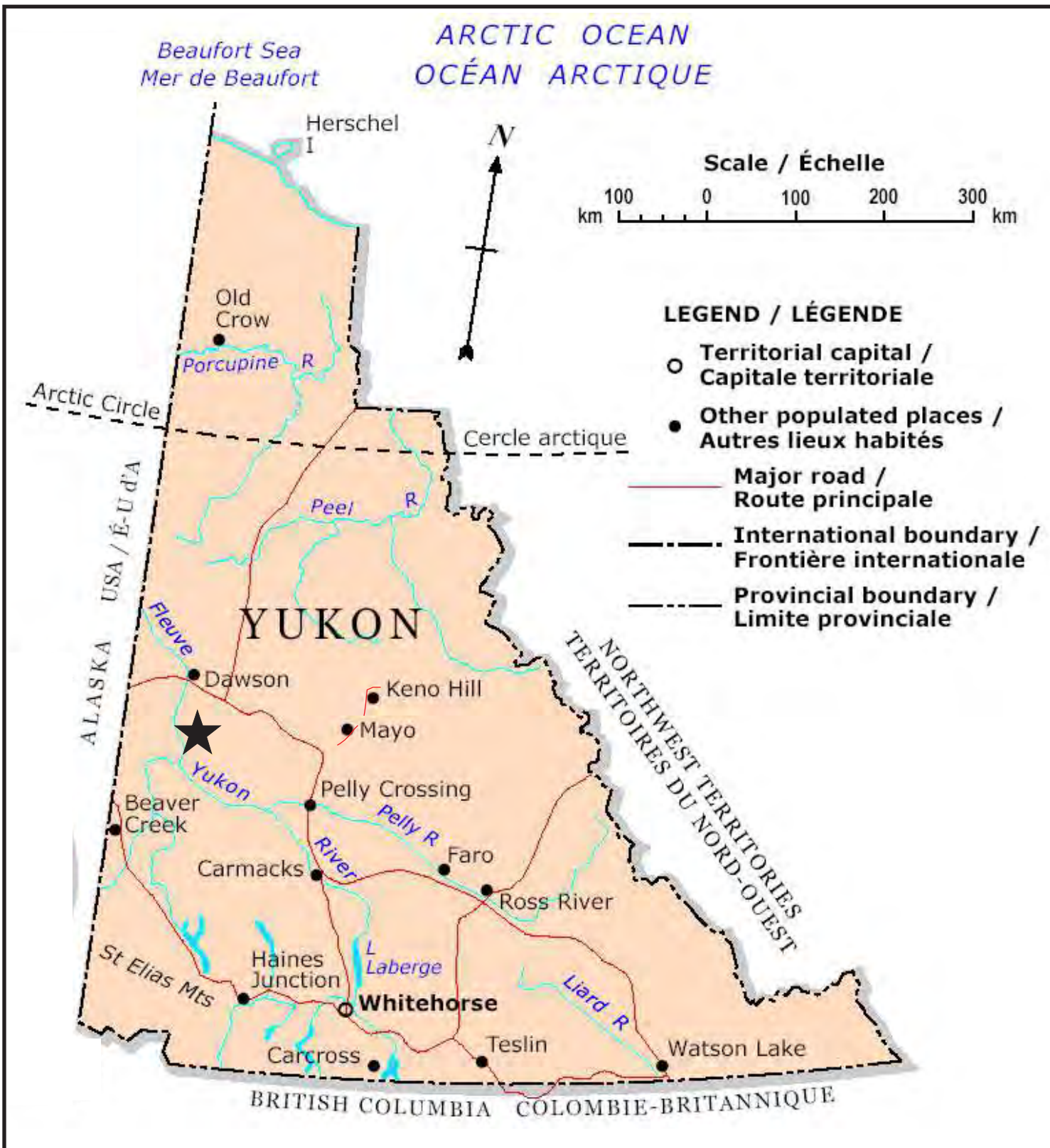
Access – Access to the project was achieved by helicopter from Dawson City, a one-way distance of approximately 45 kilometres resulting in an approximate 20-minute one-way flight. Several shutdown style helicopter pads have been constructed proximal to the various work areas to provide ready access to these sites. Old poor quality bulldozer roads extend from the Indian River placer workings up both Mackinnon Creek and Ruby Creek with the Mackinnon Creek bulldozer road passing within approximately 3.5 kilometres of the core of the anomaly at Grabben Grid. A rough road related to placer mining activity extends up Stowe Creek to within approximately 3.1 kilometres of the showings at Grabben Main.

Topography and Vegetation – The property lies within the un-glaciated Klondike Plateau, characterized by low rolling hills dissected by deeply incised stream valleys. This region experienced strong surficial weathering starting in the Paleogene, as a result, bedrock exposures are rare and the effects of surface weathering extend to depths of as much as 80 metres or more. Overburden and regolithic material averages about 1-2 metres which allows for effective soil sampling (via hand held augers) but somewhat limits the effectiveness of hand trenching in many areas. Permafrost is widespread on north facing slopes, but rarely occurs in other areas. Although snow cover is mostly gone by early May, frost does not leave the ground sufficiently for exploration purposes until about early June. The property is below tree line, higher elevations are covered by mixed spruce, birch, poplar and brush, with tree cover generally increasing at lower elevations and on south facing slopes, with brush and stunted trees predominating on north facing slopes, at higher elevations and in areas of permafrost. Much of the project area was recently burnt by a forest fire which destroyed moss cover in many areas, resulting in slightly less permafrost and somewhat more bedrock exposure than is typically present in the Dawson area.

Claims and Land Status – The property is located within Trondek Hwichin (Dawson) traditional territory, with no active First Nation land claim blocks in the immediate area of the project. A total of 41 claims comprise the property with claim data found on the following table:

Grant	Claim	Number	Owner	Expiry D/M/Y	Map	Project Area
YF49071	Basal	1	Bernard Kreft	07/03/2025	115O11	Grabben
YF49070	Basal	2	Bernard Kreft	07/03/2025	115O11	Grabben
YF49073	Basal	3	Bernard Kreft	07/03/2025	115O11	Grabben
YF49072	Basal	4	Bernard Kreft	07/03/2025	115O11	Grabben
YF49074 to 79	Basal	5 to 10	Bernard Kreft	07/03/2025	115O11	Grabben
YF49081	Uran	1	Bernard Kreft	07/03/2025	115O11	Grabben
YF49080	Uran	2	Bernard Kreft	07/03/2025	115O11	Grabben
YF49082 to 087	Uran	3 to 8	Bernard Kreft	07/03/2025	115O11	Grabben
YE78821 to 840	Sask	1 to 20	Bernard Kreft	07/03/2022	115O11	Grabben
YE90324 to 326	Nug	1 to 3	Bernard Kreft	06/08/2019	115O11	Grabben

History and Previous Work – Hardrock exploration efforts in the area date back to early 1899 when the Mackinnon brothers, Donald and Archibald, first discovered gold in the area. Over an approximate 20-year period they sank 3 shafts, drove 3 adits and cut numerous trenches. At the peak of activity over 3,000 claims were staked to cover the conglomerates which were thought to have similarities to the Witwatersrand Goldfields discovered in 1886. Although numerous promising assays of up to 48 oz/T gold were reported,



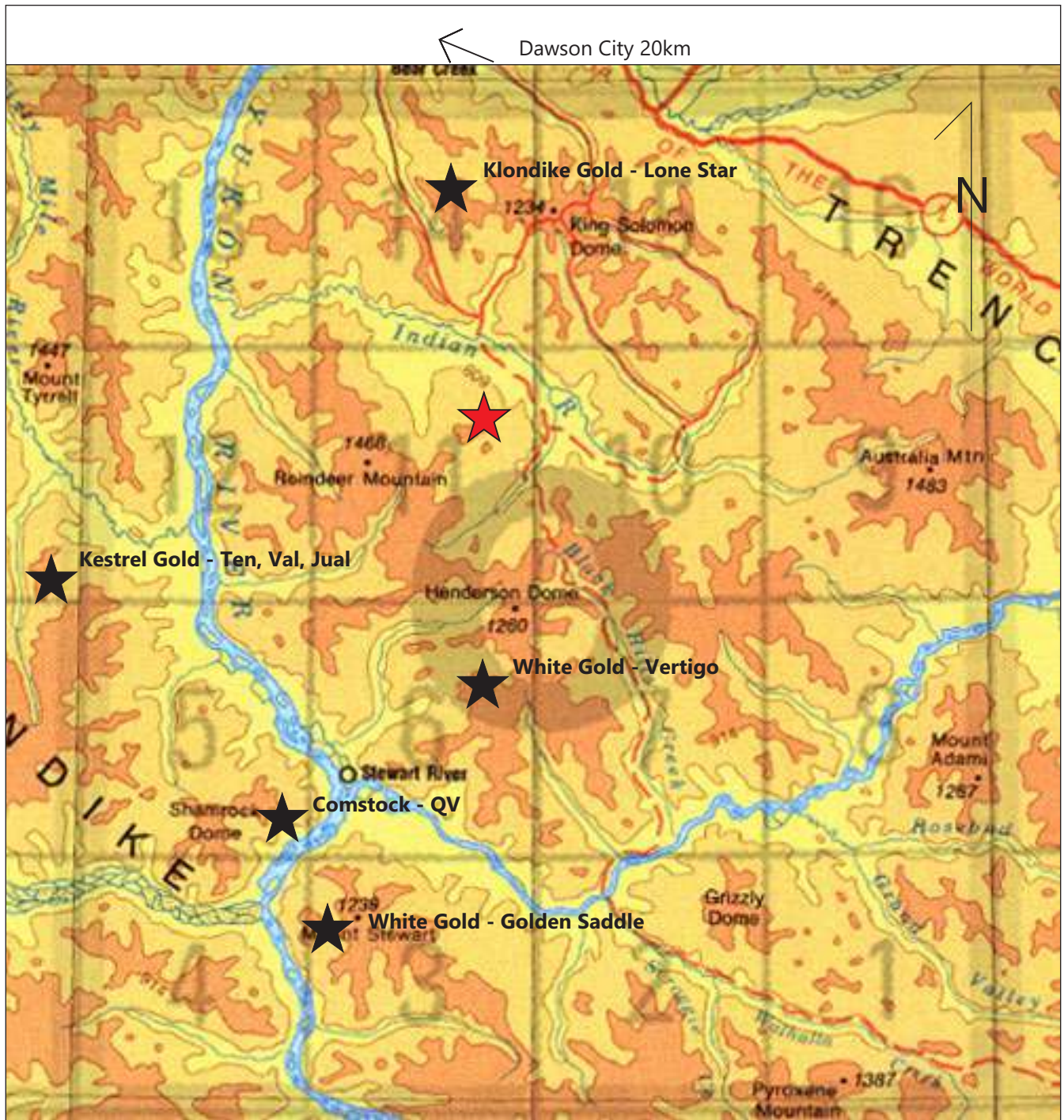
Grabben Project ★


To Accompany: 2020 Grabben Report

December 14th, 2020

By: Bernie Kreft

Figure 1



Regional Map - Grabben Project 
figure 2

Scale approx. 1:600,000

and a small mill was erected on the Mackinnon Property, no significant gold was produced and the exploration “play” eventually died.

Numerous assessment reports and scientific studies, most of which detail work completed on the historic Mackinnon Property, currently covered by the Glow 1-24 claims and located immediately to the north of the Grabben Property, are available in the public domain. Short summaries of each report are as follows:

AR 060902 – T. Lisle p.Eng for Andac Resources – 1973 – Mapping, prospecting and soil sampling was conducted on the Mackinnon Property. Geology consists of a sedimentary unit, intruded and overlain by andesite and rhyolite dykes and flows, overlying Nasina series schist basement. Although rock sampling failed to outline any significant gold-silver trends or anomalies within the conglomerate, several areas of silicification were noted in association with a NNW trending fault paralleling Mackinnon Creek.

AR 061474 – Don Tully p.Eng for Yukon Revenue Mines – 1973 – Exploration on the Mackinnon Property returned up to 0.07 oz/ton Au from grab samples of conglomerate, while silicification and a potential fault zone along Mackinnon Creek were also noted.

AR 061475 – Ron Granger for Yukon Revenue Mines – 1974 – A rotary drilling program consisting of 4 five inch in diameter holes totalling 920 feet was completed in an effort to test the gold potential of the conglomerate outcrops of the Mackinnon Property. Assays returned a maximum of 0.005 oz/T gold and 0.64 oz/T silver from a 10-foot interval of white quartz pebble conglomerate. Several sections of black conglomerate were noted, with the dark coloring due to abundant fine graphite within the conglomerate matrix. It was also noted that significant gold was produced when samples of conglomerate were processed using placer recovery methods and that gold may exist within the conglomerate but not report to traditional fire assay procedures.

AR091354 – Paul Richardson for Dome Exploration – 1979 – Dome completed a total of 4 diamond drill holes (4,135 feet) in the area of the historical shafts of the Mackinnon Property. Drilling encountered a mixed sequence of mudstone to conglomerate with rare occurrences of Carmacks group volcanics. Assaying was focused almost entirely on intersections of conglomerate which returned only background values except for one intersection of 0.18 g/t Au over 4 feet of quartz pebble conglomerate. Only drill logs exist for this report.

AR 091406 – R.D. Cruickshank for Eldorado Nuclear – 1981 – Eldorado Nuclear completed exploration for basal-type uranium deposits, with limited exploration for epithermal precious metals also completed. Work was conducted in the area south and west of Haystack Mountain and consisted of mapping, aeromagnetic interpretation, scintillometer readings, thin section work and a total of 20 rock samples. Mapping showed that the late Cretaceous to Eocene sedimentary to volcanic rocks in the project area occupy a presumed graben setting cut by numerous high angle normal faults active during the period of volcanism. Interpretation of regional aeromagnetic data suggests that the graben straddles a major WNW trending discontinuity interpreted to be a major structure within basement rocks. Rock sampling returned values of up to 100 ppb gold from a sample of conglomerate and up to 1400 ppb Hg and 22 ppm As from samples of rhyolite.

During 1983 Grant Lowey conducted a study of the Mackinnon Creek conglomerates in the area of the Mackinnon Property in an effort to ascertain whether the reported gold within the conglomerate was a result of epithermal processes or a paleoplacer deposit. He noted the presence of fine gold within the conglomerate in the vicinity of the Britannia adit and based on various studies concluded that the faulting, alteration, fine gold particle size and close proximity to intermediate to felsic intrusions suggested a likely epithermal origin for the gold.

AR 091941 – Dave Waugh for Volcano Resources – 1986 – Mapping confirmed the presence of visible gold within the Mackinnon Property area but associated sampling and assaying failed to return strongly supportive

gold assays. Silicification suggesting hydrothermal alteration and the potential for a Carlin-type gold deposit was noted in the vicinity of the old workings while the black conglomerate "McKinnon Conglomerate Unit" with abundant graphite in the matrix was considered a favourable host for an epigenetic hydrothermal type gold deposit.

AR 092082 – Dave Waugh for Volcano Resources – 1987 – A nine-hole 1521-foot drill program was designed to test bedrock in the area of the Mackinnon Property showings, specifically the potential for the conglomerates to host epithermal style precious metals mineralization. Drill hole 87-1 encountered a program high of 0.195 g/t Au over a 24-foot interval (76'-100') of intensely argillic altered and brecciated limonitic quartz pebble conglomerate in contact with a similarly clay altered and brecciated andesite porphyry body.

AR 093167 – Graham Davidson for Richlode Investments – 1993 – A total of six 500-kilogram bulk samples were extracted from conglomerate in the immediate vicinity of the Mackinnon Property showings. The samples were processed for both fine gold and coarse gold using industry accepted methodology with the best result being 0.118 g/t gold.

During 2006-07 Bond and Chapman from the University of Leeds conducted a study on the origins of gold hosted by the conglomerates of the Indian River formation (Mackinnon Creek conglomerate). Results were generally inconclusive mostly due to a failure to definitively locate gold within the conglomerate unit; however, the chemical and mineral signature of gold derived from unconsolidated areas of the conglomerate unit is consistent with that of gold grains obtained from Eureka Creek hardrock project, which has been described as a low sulphidation precious metals enriched epithermal system.

2009 – Minconsult for Westar Resources – A limited soil sampling program consisting of two parallel soil lines totalling 167 samples was completed at the time of staking. Results show numerous moderate to highly anomalous gold values of up to 70 ppb along with highly anomalous arsenic values of up to 240 ppm found clustered in two areas north and east of Haystack Mountain. No follow up work was conducted.

2009 – Mark Fekete for Taku Gold – A limited soil sampling program consisting of several reconnaissance ridge and spur sample lines returned values of up to 88.8 ppb Au and numerous samples with greater than 66.3 ppm arsenic to a high of 257 ppm arsenic existing as two clusters, both in the general vicinity of the Westar anomalies. No follow up work appears to have been conducted.

2011 – Chapman, Mortenson and Laberge in Mineralium Deposita – A total of 2,613 placer gold grains from 22 localities within the Indian River and Black Hills Creek areas (which includes the area of the Grabben Gold property) were characterised in terms of the Au, Ag, Cu, and Hg content of their alloy and associated suite of opaque mineral inclusions in an effort to define styles of lode gold mineralization contributing to area placers. A distinct type of gold found in placers downstream of the Grabben Gold property is distinguished by slightly elevated (0.05–0.17%) Cu in the gold alloy, together with low (5–9%) Ag contents. Inclusions of Bi minerals, Cr-bearing magnetite and molybdenite within this type of gold suggest derivation from an intrusion-related source likely related to undiscovered lode occurrences associated with Cretaceous age intrusions located south of the Indian River (Grabben Property area). Writers note: the subject document has incorrectly plotted gold grain sample data from Stowe Creek, placing the sample with intrusion related affinities at the downstream end of Stowe Creek and a sample with low-sulphidation epithermal affinities at the upstream end of Stowe Creek. These sample locations should be reversed.

2016 – Kreft and Sons – A YMIP funded grassroots prospecting program confirmed and significantly expanded on the Westar-Taku anomalies. East of Haystack Mountain at Grabben Main values of up to 7,911.7 ppb Au, 62.4 ppm Ag, >10,000 pm As, 2,419.8 ppm Pb and 300.9 ppm Sb were returned from a 0.65m channel sample of variably fractured or sheared limonitic and weakly scoroditic bleached intermediate

intrusive, while up to 4.362 ppm Au, 810 ppm Ag, >10,000 ppm As, >10,000 ppm Pb, >2,000 ppm Sb and 104 ppm Bi were returned from a 1.0cm wide grey quartz sulphide vein cutting conglomerate. North of Haystack Mountain at Grabben Grid a grab sample of a quartz limonite vein with dark patches cutting mudstone with dark patches and mineralized with trace fine disseminated pyrite returned 189.8 ppb Au, 20.6 ppm Ag, 8,484.9 ppm As, 196.1 ppm Pb, 98.3 ppm Sb and 113 ppm Bi.

2017 – Krefth and Sons – A YMIP funded grassroots prospecting program focusing on the Grabben area further enhanced both anomalies. Grabben Grid was expanded to a 200m wide by 600m long Au-As-Sb-Bi +/- Ag anomaly strongly open to the east and west. A total of 28 soil samples ranging from 0.019 ppm Au to 0.225 ppm Au and averaging 0.063 ppm Au comprise this anomaly. Metal zonation within the anomaly is apparent, with the east end exhibiting moderate gold with high arsenic and weak to moderate silver while the west end exhibits higher gold values and anomalous bismuth but only weakly anomalous arsenic and limited silver. Geology underlying the anomaly consists of a mixed sequence of variably limonitic bleached, brecciated and clay altered intermediate intrusive and fine clastics. Prospecting and hand trenching within this anomaly failed to encounter a source for the highly anomalous gold in soil values. Work at Grabben East consisted of prospecting and soil sampling yielding 12 soil samples. This work resulted in the partial definition of a southwest trending 100m wide by 150m long Au-As anomaly strongly open to the northeast and southwest. A total of 6 soil samples ranging from 0.025 ppm Au to 0.346 ppm Au and averaging 0.113 ppm Au comprise this anomaly. Geology, based on rock fragments within area soils, consists of a mixed sedimentary sequence ranging from fine clastics to quartz pebble conglomerate with rare intermediate intrusive fragments.

2018 – Krefth and Sons – Work was designed to explore for both westerly and easterly extensions to Grabben Grid, confirm 2017 results at Grabben East and to provide detailed sampling coverage within select areas of Grabben Grid in an effort to define trenching targets. Work successfully expanded Grabben Grid in both directions with it remaining open to the east extending under fluvial matter related to the Indian River and to the west where it extends into permafrost covered areas. Work at Grabben East (2017 results to 0.346 ppm Au in soil) failed to confirm the presence of this anomaly with a maximum value of 0.021 ppm Au returned from the confirmation soil sampling conducted. Material underlying Grabben East consists of locally derived talus mixed with alluvial matter from the Indian River and it is felt that this anomaly represents dispersion of the main Grabben Grid anomaly into the Indian River alluvial channel. Detailed sampling within Grabben Grid was designed to define trenching targets in the vicinity of 2017 soil sample sites with highly anomalous gold. Work outlined strong trenching targets at each detailed sample site with one area encountering an approximate 50m wide zone from which deep C horizon soils average 0.261 ppm Au along with highly anomalous arsenic and lesser bismuth.

The vast majority of work completed to date, including trenching, shafting, bulk-sampling and some drilling, has been focused almost entirely on the conglomerate bodies, particularly those in the McKinnon Creek area, leaving other rock units common to the area, such as the fine clastics and intrusive bodies, basically unexplored. As testament to their unexplored and prospective nature, several low-budget field programs have managed to locate two potentially significant Au-Ag bearing showings associated with strong Au-Ag soil anomalies.

Geology Metallogeny And Mineralization – Based on information contained in the various publicly available assessment reports, academic studies, government mapping efforts and results of the 2016 to 2018 field seasons, the geological setting of the Grabben Gold Project is thought to consist of a graben filled with late Early Cretaceous (113 to 100.5 ma) Indian River Group clastic sedimentary rocks comprised predominantly of conglomerates, sandstones and siltstones intruded and overlain by late Cretaceous Carmacks Group (72 to 64.8 ma) rhyodacite, dacite, andesite and intermediate intrusive units as well as early Eocene rhyolite to rhyodacite stocks, dykes and flows. This package is cut by numerous normal faults and overlies a possible major structure within the basement Nasina series schists and gneisses. The outline of this

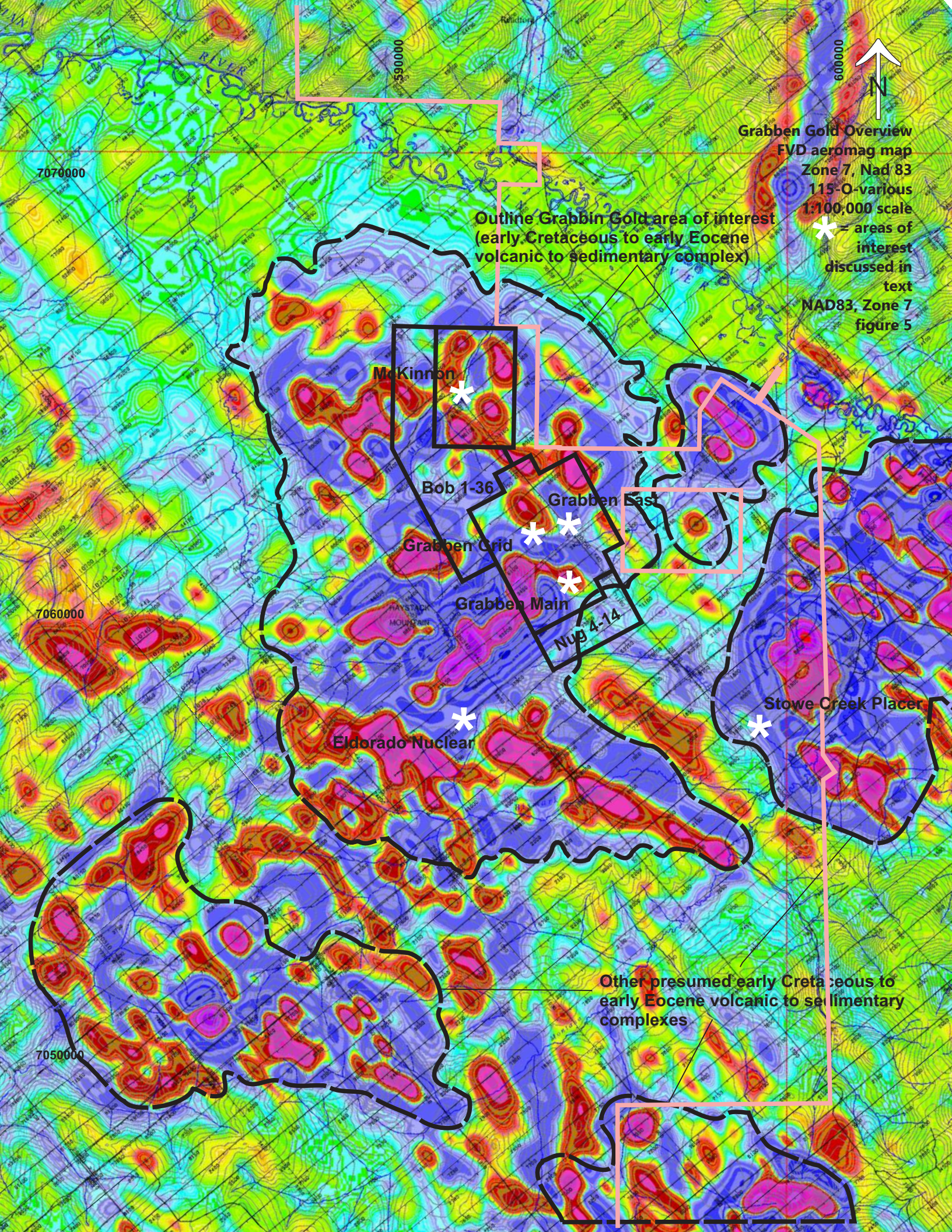
presumed graben complex highlights well using the first vertical derivative (“FVD”) aeromagnetic map from the Stewart River regional multi-parameter airborne geophysical survey. As can be seen from the FVD overview map accompanying this report, the Grabben Gold complex is one of several presumed complexes within the immediate area.

The Carmacks Group is a volcanic succession, generally including a lower fragmental unit and an upper flood basalt unit, dominated by basic volcanic strata including augite-olivine basalt and breccia, hornblende feldspar porphyry andesite and dacite flows, and trachyte, but also including intermediate and locally felsic volcanic rocks. The thickest and coarsest volcanoclastic sections are occasionally cored by small high-level potassic plugs likely belonging to the Prospector Mountain Suite (72-68 Ma). These intrusives are broadly correlative with the metallogenically significant Bulkley Suite intrusives (88-70 Ma) located in central BC. The Bulkley Suite is highly prospective for porphyry copper targets such as Huckelberry, while significant epithermal precious metal deposits such as Blackwater (70-67 Ma; reserves of 8.6 million ounces of gold and 57.5 million ounces of silver) are associated with the waning stages of Bulkley Suite magmatism. The Grabben project also has numerous similarities to the Donlin Creek gold deposit where Late Cretaceous intermediate to felsic dykes and small plugs are intrusive to late Early Cretaceous to Late Cretaceous sedimentary rocks. Worldwide, shoshonitic and high-K calc-alkaline magmatism is associated with world-class hydrothermal gold and copper-gold mineralization. Examples are: 1) Ladolam gold mine, Lihir Island, Papua New Guinea; 2) Bingham copper-gold mine, Utah; 3) Grasberg copper-gold mine, Indonesia; 4) Oyu Tolgoi copper-gold mine, Mongolia.

Numerous geologically similar mixed sedimentary to volcanic early Cretaceous to early Eocene sequences occur throughout the area south and west of Dawson. Of these similar Yukon sequences, the only one which has received significant amounts of hardrock exploration work is located in the Sixtymile placer district approximately 85 kilometres to the northwest. Exploration by Erwin Kreft during 1986 located a zone (Per occurrence) of variably clay altered, silicified, pyritic and sheared Carmacks Group andesitic volcanics in the floor of a placer mining cut near the mouth of Miller Creek. In 1988 Klondike Gold Mining Corporation optioned this occurrence from Mr. Kreft and drilled 7 holes (765 m) with a program best intersection of 8.76 g/t Au over 10.5 m in DDH D4/88-02.

In 2010 Radius Gold/Rackla Resources recognized the epithermal precious metal potential in the Sixty Mile River valley and acquired much of the ground in the area. Their work identified the presence of a down dropped half graben within which the Carmacks group andesites are variably silicified, sheared and clay altered. Subsequent exploration included drilling of the historic Per showing which lies within a broad zone of illite alteration. DDH11-08 intersected strongly bleached and sericite altered Carmacks Group andesite crosscut by narrow dolomite pyrite veins that returned an interval of 19.0 g/t Au over 1.0m. Drill hole DDH11-10 intersected 132.0 g/t Au over 1.5m. This hole was drilled 1.4km east northeast of hole DDH11-08. The interval consisted of bleached, hematized and sericite altered quartz feldspar biotite schist cross cut by minor quartz/pyrite veins. Several holes also cut a blind, potassic and sericitically altered feldspar porphyry body as part of a Cretaceous volcanic-intrusive package located in a pull-apart basin located along the Sixty Mile River valley bottom. The porphyry body contains disseminated pyrite and pyrite +/- chalcopyrite-molybdenite bearing fractures and stockworks with silica-sericite alteration haloes yielding a best interval of 542 ppm Cu and 41 ppm Mo over 271.27 m starting at 8.8 m to EOH in DDH11-05.

Airborne Geophysical Survey – During 2000 the GSC and Yukon Geological Survey co-sponsored an airborne geophysical survey (Multisensor Airborne Geophysical Survey; GSC Open File 3992) covering much of the Klondike Goldfields including the Grabben Gold project area. Results of the airborne survey in conjunction with government mapping efforts and 2017 fieldwork appear to suggest that areas underlain by Carmacks Group volcanics correlate well with FVD aeromagnetic highs of 0.300 nT/m or greater while RTF aeromagnetic data suggests large or smaller unaltered volcanic bodies represent strong positive highs while smaller or more altered bodies manifest as weak to moderate positive anomalies. Areas with strong



Grabben Gold Overview
FVD aeromag map
Zone 7, Nad 83
115-O-various
1:100,000 scale
* = areas of
interest
discussed in
text
NAD83, Zone 7
figure 5

Outline Grabbin Gold area of interest
(early Cretaceous to early Eocene
volcanic to sedimentary complex)

McKinnon *

Bob 1-36

Grabben East *

Grabben Grid *

Grabben Main *

Nug 4-14

Eldorado Nuclear *

Stowe Creek Placer *

Other presumed early Cretaceous to
early Eocene volcanic to sedimentary
complexes

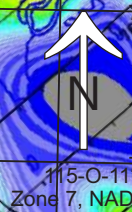
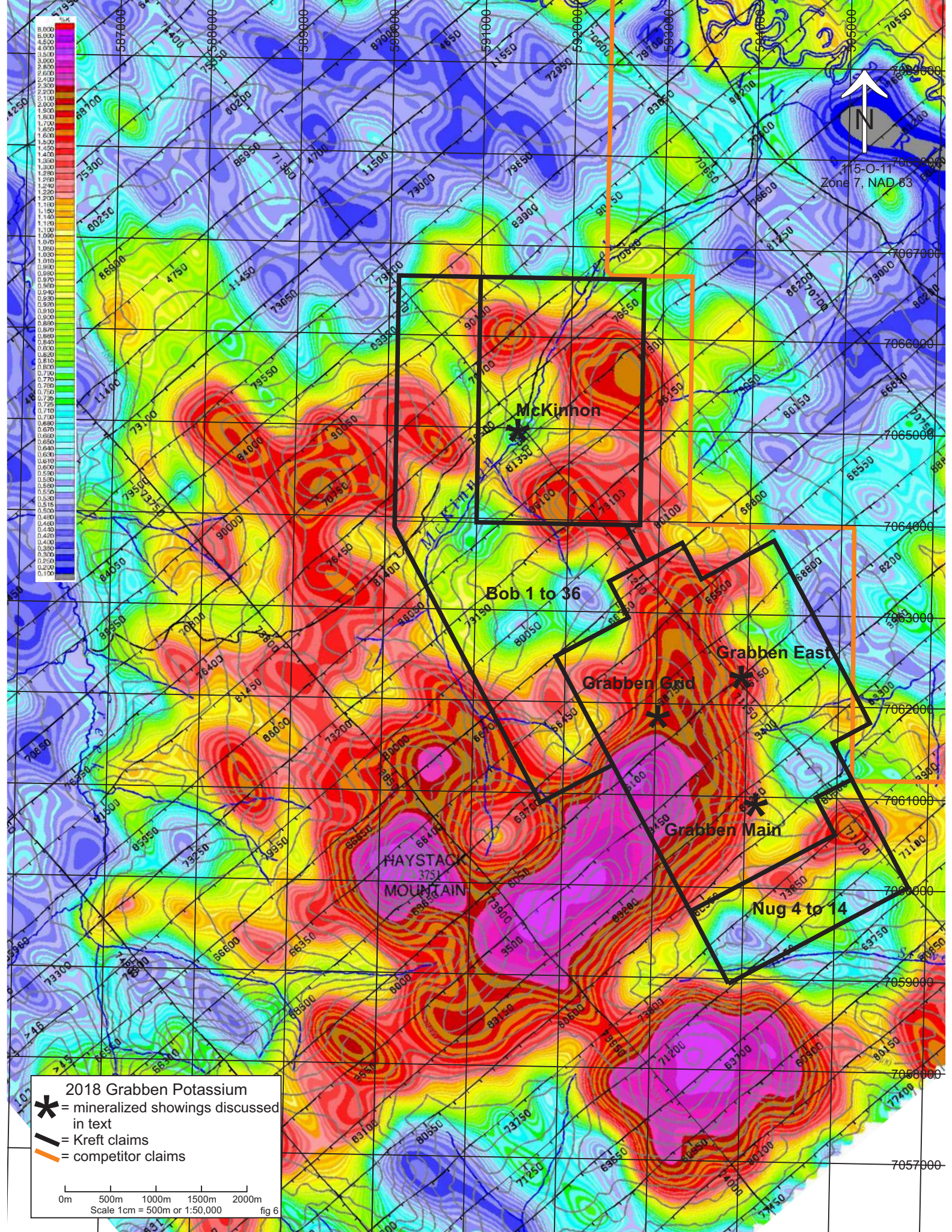
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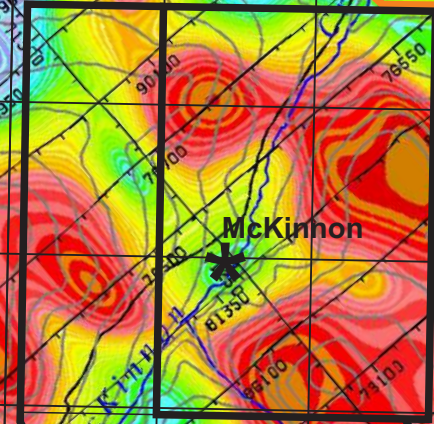
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115-O-11
Zone 7, NAD 83

McKinnon



Bob 1 to 36

Grabben Grid

Grabben East

Grabben Main

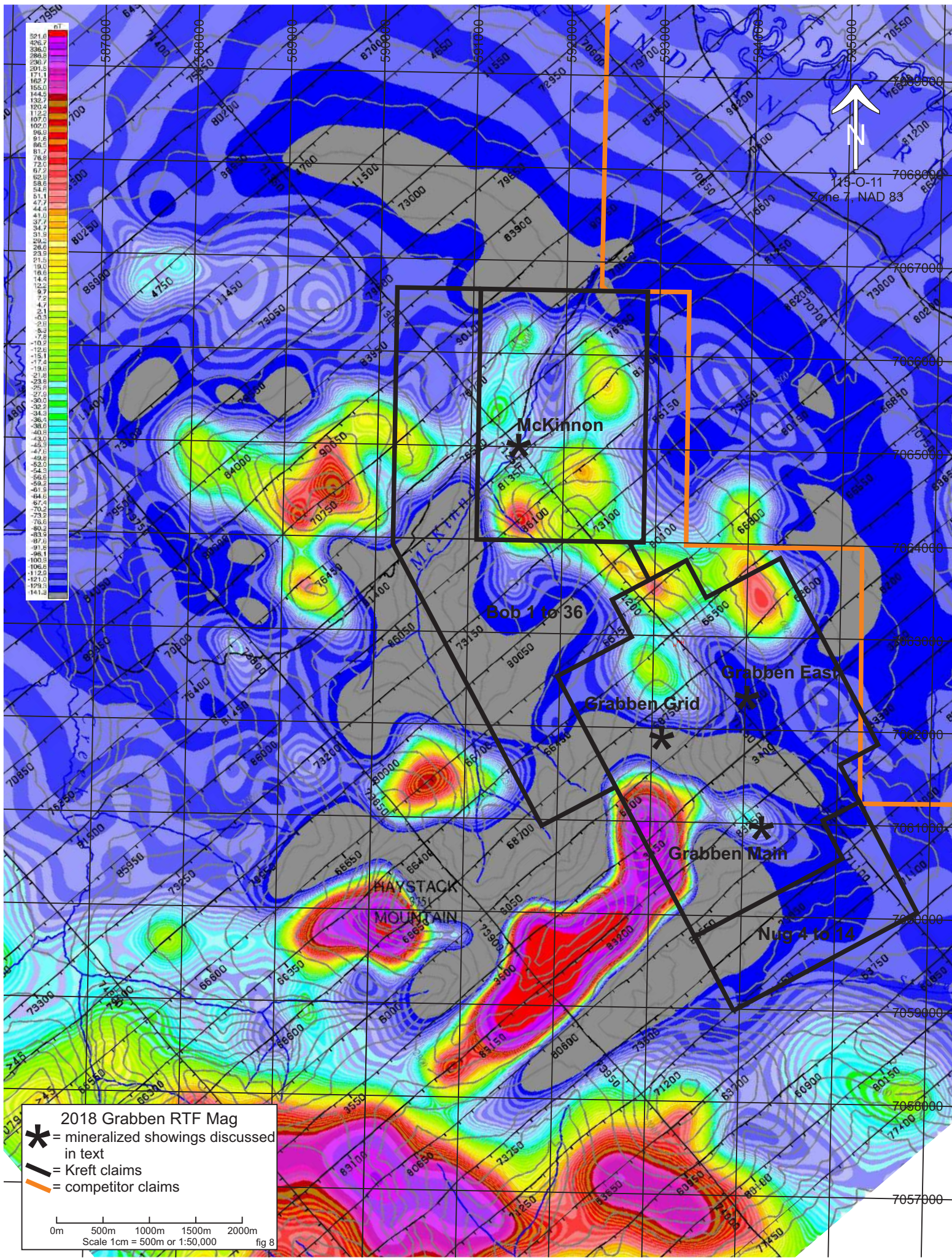
Nug 4 to 14

HAYSTACK
MOUNTAIN
375

2018 Grabben Potassium
 * = mineralized showings discussed
 in text
 — = Krefit claims
 — = competitor claims

0m 500m 1000m 1500m 2000m
 Scale 1cm = 500m or 1:50,000

fig 6



145-O-11
Zone 7, NAD 83

McKinnon

Bob 1 to 36

Grabben East

Grabben Grid

Grabben Main

Nug 4 to 14

HAYSTACK
MOUNTAIN

2018 Grabben RTF Mag
 * = mineralized showings discussed
 in text
 / = Kreft claims
 / = competitor claims

0m 500m 1000m 1500m 2000m
 Scale 1cm = 500m or 1:50,000

fig 8

potassium response likely represent large, fresh and relatively un-altered volcanic bodies while areas of moderate potassium response may represent altered volcanics, un-altered bodies with a small surficial expression or perhaps sediments metasomatically altered by intrusive activity. Ultimately the geophysical data contained in Open File 3992 will prove of significant value when used in conjunction with a field mapping project.

Current Work and Results – The 2020 exploration program on the Grabben project consisted of prospecting and hand trenching, yielding a total of 6 soil samples and 36 rock samples. Soil samples were taken from the B to C horizon within hand dug prospecting pits while rock samples were sourced from material exposed within the same pits. Sample sites were marked in the field using flagging inscribed with the sample code, with soil samples placed in industry standard soil sample envelopes and rock samples in industry standard poly sample bags. All samples were analyzed by Bureau Veritas, with soils prepped by SS80 (sieve 100g of soil to -80 mesh), and rocks prepped using PRP70-250 (crush 70% to 10 mesh and pulverize a 250g split). All samples were analyzed using FA430 (30g Au fire assay) and AQ300 (35 element ICP with 0.5g sample size).

Work was designed to evaluate several gold in soil apices within the Grabben Grid anomaly as well as to prospect its northwestern strike extent in an effort to gauge the effects of overburden on soil geochemical response in this area.

Prospecting of the northwestern most strike extent of Grabben Grid (inset map B) showed the area to be covered by thick, clayey and wet, B-horizon material. This is distinct to the core area of gold soil geochemistry within the anomaly which is characterized by a thin layer of B-horizon material underlain by a thick layer of mostly dry C-horizon material. Two soil samples taken from this northwestern area returned up to 50 ppb Au, 979 ppm As, 16 ppm Sb and 19 ppm Bi all of which can be considered highly anomalous, especially considering the thick clay rich B-horizon material that was sampled. A total of 3 rock samples were sourced from small hand pits dug in this area. Although gold values were uniformly low with a peak value of 0.037 ppm Au, one sample consisting of crumbly and leached possible quartz rich intrusive returned 1,483 ppm As, 21 ppm Sb and 20 ppm Bi, all of which are moderately anomalous for this area. Rock types exposed by hand-pitting in this area are similar to those encountered within the core of the Grabben Grid anomaly.

Prospecting and hand trenching were conducted in the area of the 2018 discovery of an approximate 50m wide zone from which deep C horizon soils average 0.261 ppm Au along with highly anomalous arsenic and lesser bismuth (see inset Map A). A total of 3 hand trenches were excavated yielding a total of 15 rock samples and 4 soil samples. Rock sampling returned up to 0.419 ppm Au and 16.2 ppm Ag along with highly anomalous As-Bi from samples of limonitic, leached and bleached possible quartz rich intrusive and lesser sandstone. Soil profile C-horizon samples were taken within two of the hand trenches in an effort to gauge the effects of sample depth on gold values. In the first pit the upper sample returned 0.05 ppm Au (55cm depth) and the lower sample returned 0.570 ppm Au (110 cm depth), samples from the second pit returned 0.598 ppm Au at 55cm depth and 0.306 ppm Au from 110 cm depth.

Several other areas within the main soil anomaly were prospected (see inset Map C). Values of up to 1.173 ppm Au and 28.5 ppm Ag along with highly anomalous As-Sb-Bi were returned from weathered and leached material possibly representing a quartz limonite scorodite vein or a limonitic quartz rich intrusive with scorodite. An area of limonitic clay altered leached and bleached intrusive was hand trenched and sampled returning up to 0.233 ppm Au along with anomalous Bi-As-Sb. Several other areas with highly anomalous gold in soil values were prospected in detail but rock sampling failed to return anomalous gold values.

Due to continued positive exploration results, a late season program of claim staking was completed. A total of 47 quartz claims were staked to join the Grabben project to the proponent's claims located in the

McKinnon Creek area (Glow claims) and to extend the Grabben project to the south and east towards the placer mining activity in Stowe Creek. Names of the recently staked claims are Bob 1 to 36 and Nug 4-14. The combined project now totals approximately 112 claims or approximately 2,240 hectares.

Conclusions – The Grabben Gold project represents the first modern precious metals discovery within the historically active MacKinnon Creek/Haystack Mountain area, and one of the few Yukon based discoveries in this geological setting. Mineralization consists of extremely fine-grained sulphides, with a Au-Ag-As-Bi-Sb +/- Pb signature, found within veins, limonite stockworks, shears and breccia zones developed in both late early-Cretaceous sediments and likely late Cretaceous Carmacks Group (69-64.8 Ma) andesite and intermediate intrusives, all occurring within a possible graben setting. Mineralization is best developed within fine clastics and intrusive bodies, with lesser amounts occurring within conglomerates. Mineralization is likely associated with Prospector Mountain Suite (72-68 Ma) magmatism which is the sub-volcanic equivalent of the Carmacks Group. Late Cretaceous intrusives such as the Prospector Mountain Suite in the Yukon and the broadly correlative Bulkley Suite (88-70) in BC are highly prospective for both porphyry deposits such as the Huckleberry Mine and epithermal deposits such as Blackwater in central BC where reserves of 8.6 million ounces of gold and 57.5 million ounces of silver are associated with the waning stages of Bulkley Suite magmatism. The geological setting is also similar to that which occurs at the Donlin Creek deposit in Alaska where a series of late Cretaceous intermediate to felsic intrusive plugs and dykes are hosted by a mid to late Cretaceous sedimentary package.

Although significant amounts of historical work such as drilling, trenching and bulk-sampling have been conducted in the Grabben Gold area, the vast majority of this work was focused on the economic potential of the conglomerate bodies, leaving the fine clastics and intrusives mostly unexplored.

Hand prospecting of the strong gold in soil anomalies has yielded only a few rock samples with highly anomalous gold values possibly due to widespread cover and a significant amount of surficial leaching and oxidation.

Grabben Grid is an east-west trending 1.0km long and from 100-250m wide Au +/- Ag-As-Bi-Sb soil anomaly open to the east (extending under alluvial cover related to the Indian River) and open to the northwest into an area of thick clay rich overburden. Geology underlying the area consists of a mixed sequence of variably limonitic bleached, brecciated and clay altered intermediate quartz biotite intrusive and fine clastics to conglomerate.

Grabben Main is a northwest trending 300m long by 125m wide Au +/- Ag-As-Bi-Sb soil and rock anomaly with possible strike extensions, particularly to the north and east, covered by thick and occasionally frozen overburden. Geology underlying the area consists of a mixed sequence of variably limonitic bleached, brecciated and clay altered intermediate quartz biotite intrusive and fine clastics to conglomerate.

Recommendations – Further work at Grabben is highly recommended. An initial phase of ground magnetics, prospecting, tight spaced soil sampling and mapping should be conducted over the core of Grabben Grid and at Grabben Main in an effort to better define these targets. Results from this work should be used to guide an excavator trenching program which shouldn't begin until mid-July to ensure that the ground is sufficiently thawed to allow this work to be completed un-impeded. Based on the results of this work a percussion or reverse circulation drill program should be contemplated. Some preliminary reconnaissance type prospecting and sampling should be conducted over untested areas of the current claim block and other nearby targets. Areas to be assessed by this work include geophysical anomalies defined by GSC Open File 3992, areas of interest outlined in assessment reports 092082 and 091406 as well as mapped areas of sediments located just west of McKinnon Creek.

7063000

593000

593500

594000



115-0-11
Scale: 1:7,500

7062500

7062000

7061500

See inset maps for
2020 work detail.

2020 Grabben Grid Overview

Soils (Au ppm)

- 0.000 - 0.009
- 0.010 - 0.018
- 0.019 - 0.030
- 0.031 - 0.049
- 0.050 - 0.099
- 0.100 - 0.598

Rocks (Au ppm)

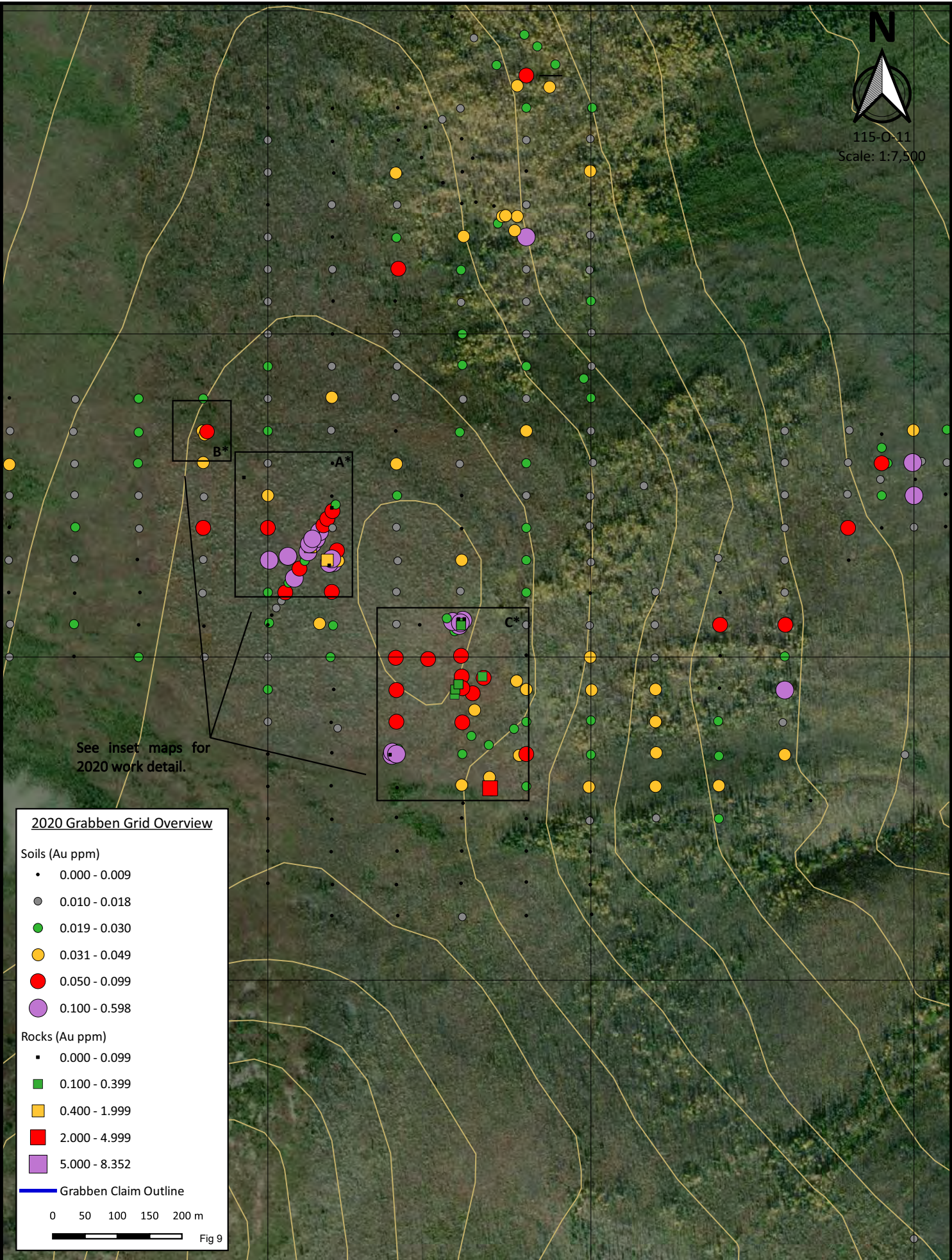
- 0.000 - 0.099
- 0.100 - 0.399
- 0.400 - 1.999
- 2.000 - 4.999
- 5.000 - 8.352

— Grabben Claim Outline

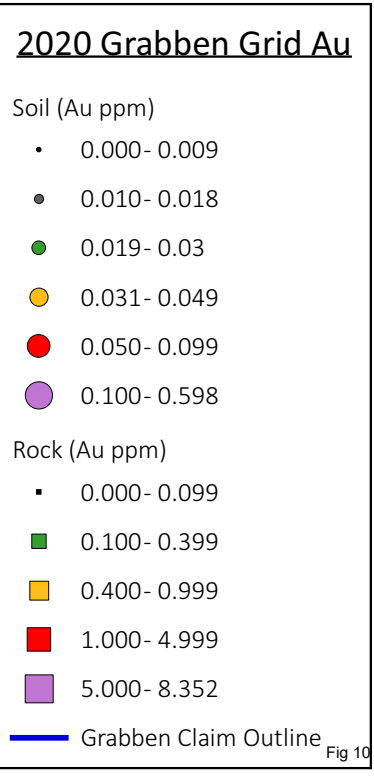
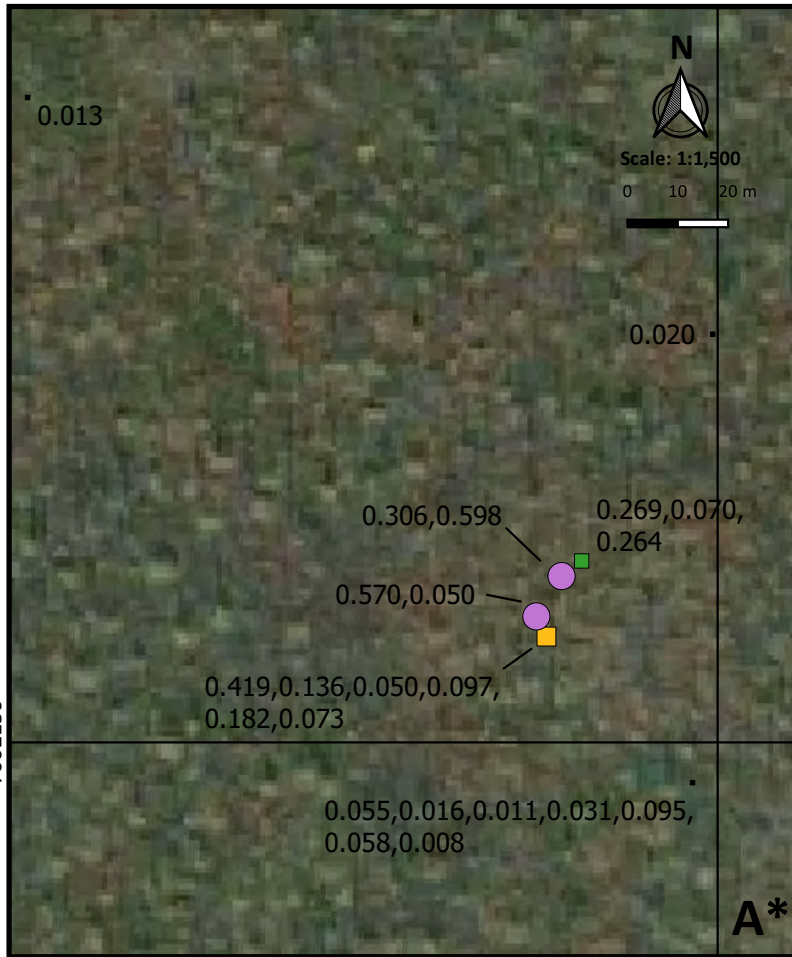
0 50 100 150 200 m



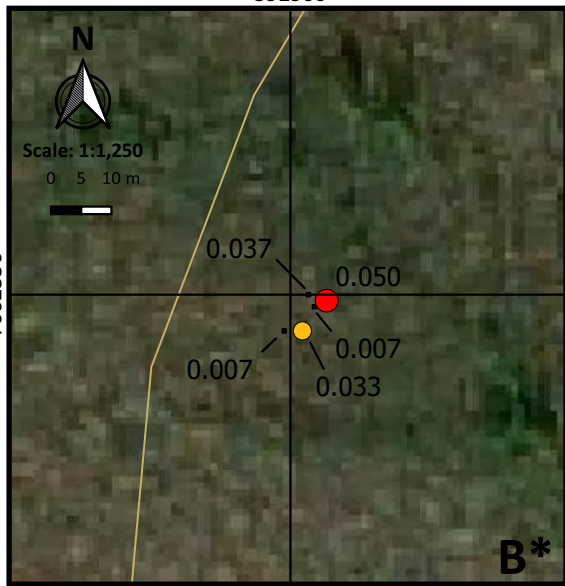
Fig 9



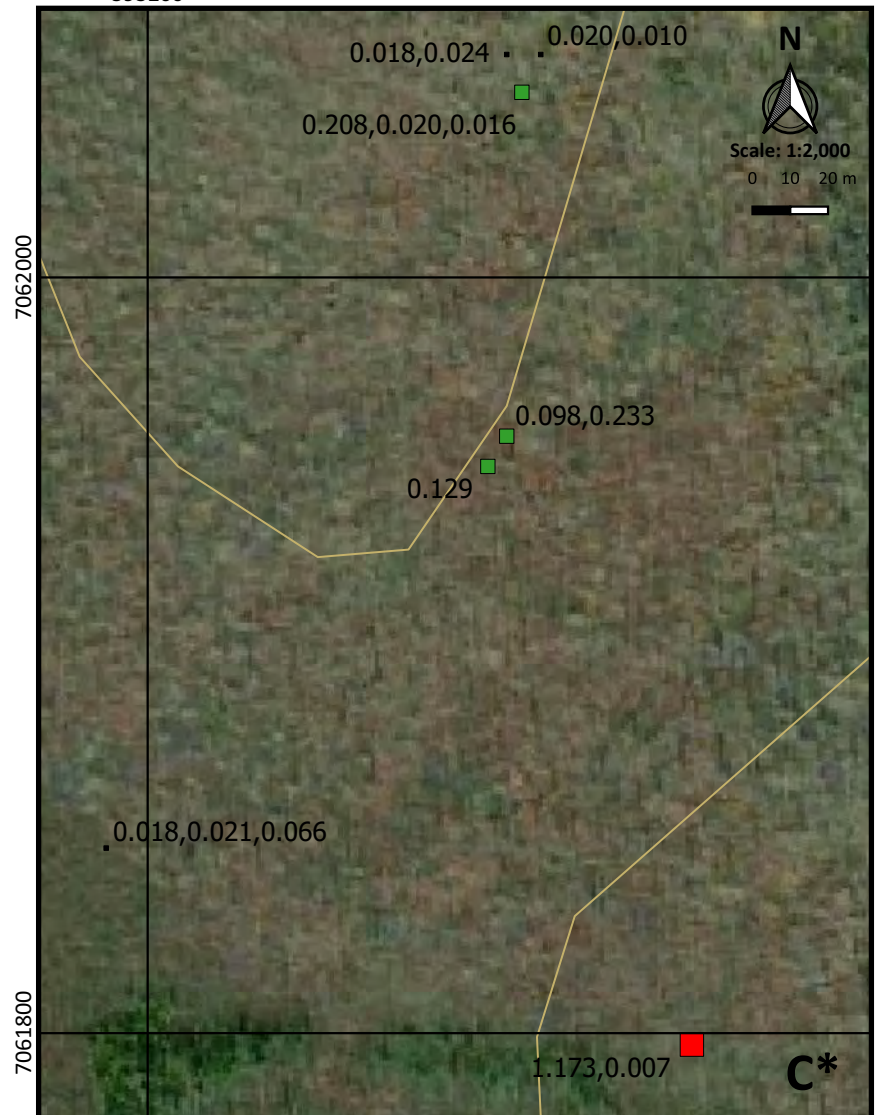
593100



592900



593200



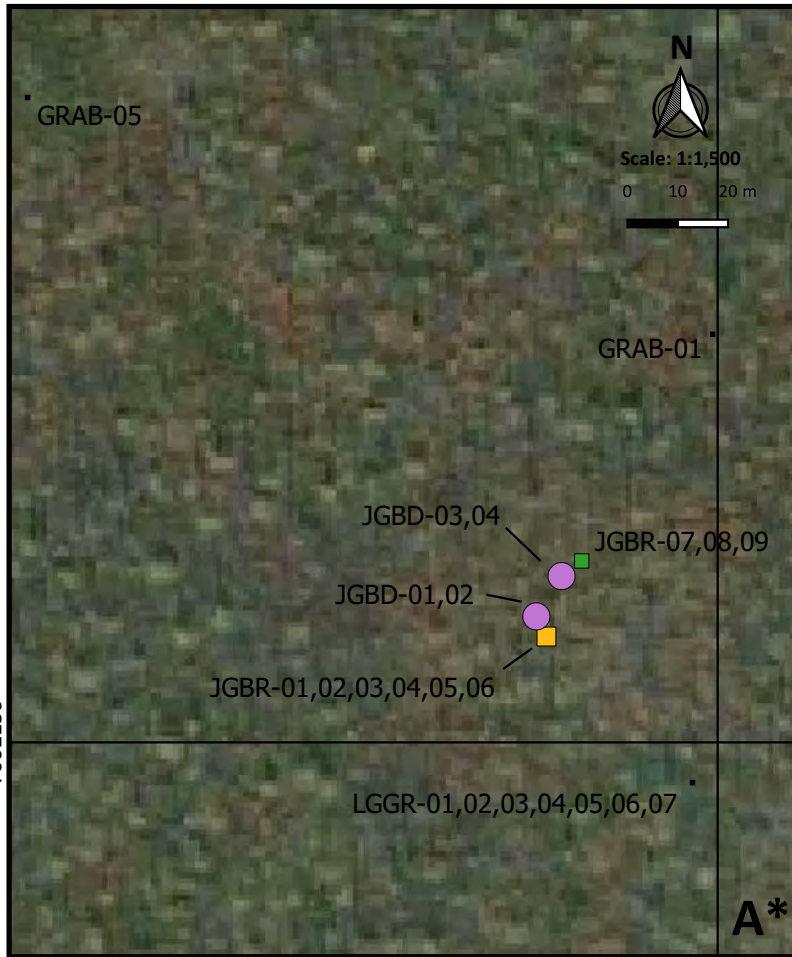
7062150

7062350

7062000

7061800

593100



2020 Grabben Grid Sample Labels

Soil (Au ppm)

- 0.000- 0.009
- 0.010- 0.018
- 0.019- 0.03
- 0.031- 0.049
- 0.050- 0.099
- 0.100- 0.598

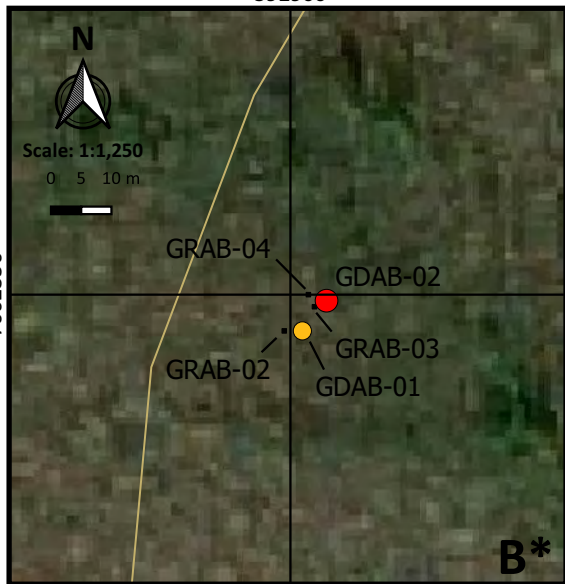
Rock (Au ppm)

- 0.000- 0.099
- 0.100- 0.399
- 0.400- 0.999
- 1.000- 4.999
- 5.000- 8.352

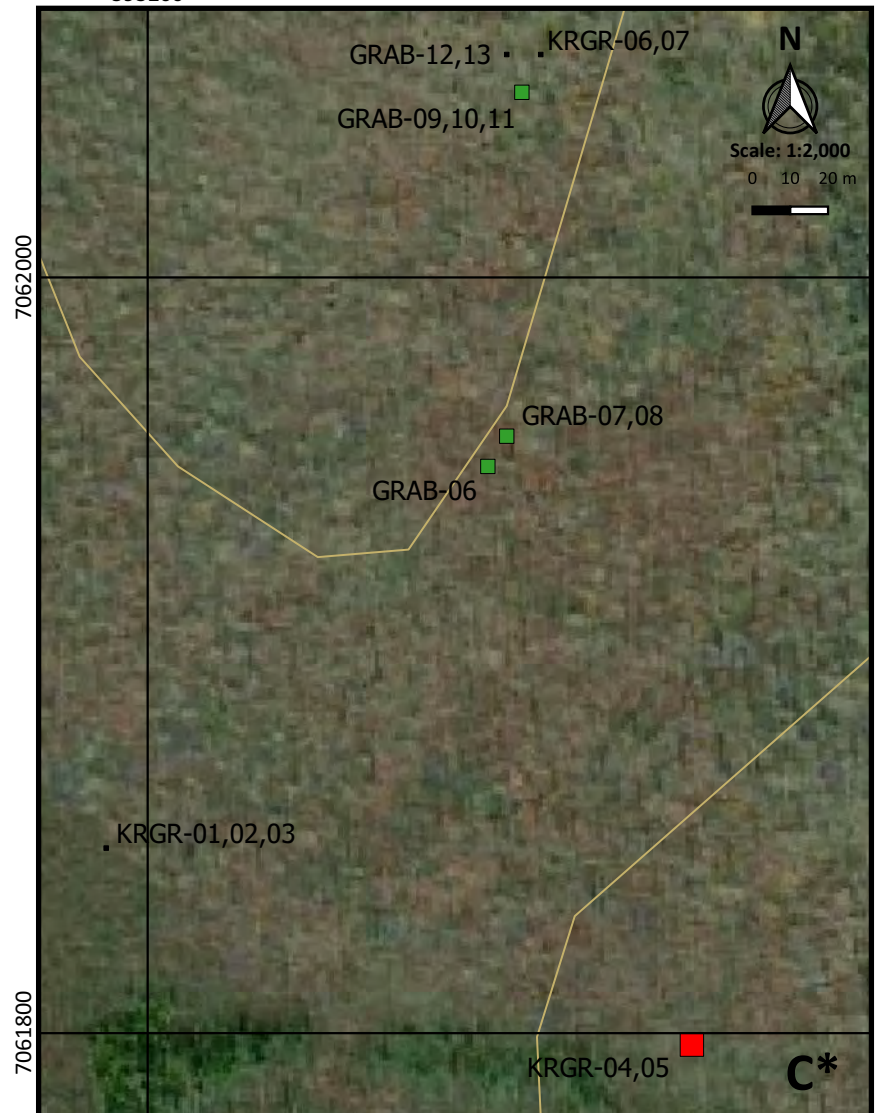
— Grabben Claim Outline

Fig 11

592900



593200



7062150

7062350

7062000

7061800

A*

B*

C*

2020 Grabben Rock Samples

Sample	Easting	Northing	Description	Wgt	Au	Cu	Pb	Ag	As	Sb	Bi
GRAB-01	593099	7062231	clay alt and bleached qtz rich int with lim on fracs and as patch poss faint scorodite	1.76	0.02	147	21	0.9	90	<3	9
GRAB-02	592899	7062344	qtz pebble congl cut by several narrow qtz vns	0.63	0.007	3	<3	<0.3	28	<3	<3
GRAB-03	592904	7062348	clay alt and bleached sandstone vut by hairline qtz lim fracs and lim as rare patches	0.59	0.007	41	<3	<0.3	189	<3	<3
GRAB-04	592903	7062350	crumbly leached lim ?rock poss qtz rich int	0.45	0.037	100	15	0.5	1483	21	20
GRAB-05	592963	7062278	brx sediment ? Lim goethite brx	0.44	0.013	122	9	0.5	736	8	4
GRAB-06	593290	7061950	lim clay alt bleached qtz bitotite int, lim varies from brown-red-yellow	1.07	0.129	137	17	0.6	99	<3	6
GRAB-07	593295	7061958	as per GRAB-06	1.34	0.098	77	14	0.5	111	<3	4
GRAB-08	593295	7061958	as per GRAB-06, cut by a sericite goethite vn	0.1	0.233	413	4	0.9	1953	32	10
GRAB-09	593296	7062049	clay alt bleached lim intermediate int, lim on fracs	1.5	0.208	125	21	0.5	13	<3	13
GRAB-10	593296	7062049	siltstone with patchy and frac controlled lim	1.02	0.02	25	7	0.6	308	<3	<3
GRAB-11	593296	7062049	brx/frac siltstone with lim and goethite on fracs	1.45	0.016	157	4	0.4	1788	10	<3
GRAB-12	593295	7062059	leached/bleached lim sed? rock poss brx, lim as patches, frac coatings	1.41	0.018	25	13	0.8	316	5	4
GRAB-13	593295	7062059	leached/bleached clay alt intermediate int, yellow/orange lim pos aspy	1.28	0.024	77	19	1.1	70	<3	8
JGBR-01	593069	7062175	qtzt, bleach and leach with red lim as patches and frac fillings, could be a qtz rich int	0.95	0.419	232	29	1.3	993	<3	53
JGBR-02	593069	7062175	as per JGBR-01 no red ocherous patches, more lim and frac surfaces	1.66	0.136	172	18	0.8	833	<3	12
JGBR-03	593069	7062175	sandstone with poss scorodite layer	0.08	0.05	67	1502	16.2	>10000	49	315
JGBR-04	593069	7062175	leach/bleach and clay alt qtz rich ?rock, patchy lim numerous small cavities, poss aspy	1.56	0.097	83	13	0.7	719	<3	9
JGBR-05	593069	7062175	as per JGBR-04 almost completely goethite and lim	0.13	0.182	281	17	0.6	334	<3	9
JGBR-06	593069	7062175	?rock bleached and lim	0.46	0.073	181	20	0.6	810	4	15
JGBR-07	593073	7062183	leached and pitted lim qtz rich ?rock, goethite rims poss aspy some clay alt	1.97	0.269	213	18	0.6	237	<3	7
JGBR-08	593073	7062183	as per JGBR-07 more intense lim development	1.15	0.07	143	21	0.9	183	<3	9
JGBR-09	593073	7062183	as per JGBR-08, with red ocherous patches	0.46	0.264	126	18	1	213	<3	11
KRGR-01	593189	7061849	bleached and clay alt int with red lim as stains and fracs, poss scorodite, pit bottom	2.53	0.018	151	14	0.6	62	8	4
KRGR-02	593189	7061849	bleached and leached intermediate int with yellow lim stain	0.89	0.021	59	18	0.7	62	4	5
KRGR-03	593189	7061849	as per KRGR-02, with abundant brown/red lim	1.29	0.066	98	16	0.5	128	11	11
KRGR-04	593344	7061797	poss qtz lim scorodite vn (small frags), or could be a lim qtz rich int with scorodite	0.17	1.173	260	107	28.5	>10000	103	89
KRGR-05	593344	7061797	brx qtz vn with lim and dark patches on brx qtz biotite intrusive with lim on fracs	0.82	0.007	104	5	0.4	466	6	<3
KRGR-06	593304	7062059	brx lim sed? rock mod to intense lim + brx	1.59	0.02	191	7	0.4	845	7	<3
KRGR-07	593304	7062059	?rock with patchy clay and bleaching lim fracs	1.37	0.01	128	5	0.3	216	3	<3
LGGR-01	593095	7062142	sandstone to vfg congl pervasive lim, pitted and clay alt, tr diss aspy, tr scorodite	1.55	0.055	103	4	0.6	3281	<3	<3
LGGR-02	593095	7062142	int? pitted lim silicic, biotite? patchy yellow lim, diss aspy to 0.25%	0.96	0.016	113	<3	1.3	3061	<3	<3
LGGR-03	593095	7062142	bleached and clay alt ?rock cut by qtz, lim as patches and on fracs	0.83	0.011	77	<3	<0.3	213	<3	<3
LGGR-04	593095	7062142	sandstone bleached with lim rind poss vfg py in bleached patches	1.22	0.031	85	<3	<0.3	98	<3	<3
LGGR-05	593095	7062142	grungy lim internediate int qtz biotite poss scorodite (bedrock)	2.04	0.095	213	21	0.9	18	<3	18
LGGR-06	593095	7062142	sandstone with patchy to pervasive red to yellow lim and goethite, bleach and clay alt	1.44	0.058	80	4	<0.3	617	<3	<3
LGGR-07	593095	7062142	sandstone with pervasive ocherous lim	0.34	0.008	19	<3	<0.3	310	<3	<3

2020 Grabben Soils

Sample	Type	Easting	Northing	Description	Au	Cu	Pb	Ag	As	Sb	Bi
GDAB-01	Soil	592899	7062344	B-horizon, some limonite, not really C	0.033	40	10	0.5	160	<3	3
GDAB-02	Soil	592904	7062349	B-horizon, some limonite, not really C	0.05	45	15	0.8	979	16	19
JGBD-01	Soil	593069	7062175	from bottom of pit 1, 110 cm depth	0.57	81	20	1.3	1075	3	31
JGBD-02	Soil	593069	7062175	1/2 way up pit 1, 55 cm depth	0.05	60	12	<0.3	352	<3	4
JGBD-03	Soil	593073	7062183	from bottom of pit 2, 110 cm depth	0.306	134	24	1.7	398	3	17
JGBD-04	Soil	593073	7062183	1/2 way up pit 2, 55 cm depth	0.598	72	12	1	525	<3	10

Statement of Qualifications

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

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

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

This report is based on fieldwork completed August 14th to November 27th of the 2020 field season.

This report is based on fieldwork completed on the Grabben Project

Respectfully submitted,

Bernie Kreft

Cost Statement

Great Slave Helicopters (1.6 hrs staking)	= \$2,997.12
GroundTruth Exploration (staking 47 Bob and Nug claims x \$125/claim)	= \$6,168.75
Fireweed Helicopters 1.0 hour	= \$1,438.08
Great Slave Helicopters 1.4 hours	= \$1,834.85
Assaying 6 soils and 36 rocks (30g Au fire assay, 35 element icp)	= \$1,334.31
Wages Bernie Kreft 3.5-man days x \$350/day	= \$1,225.00
Wages Justin Kreft 3.5-man days x \$350/day	= \$1,225.00
Wages Jarret Kreft 3.5-man days x \$350/day	= \$1,225.00
Food, field and Camp 10.5-man days \$100/day	= \$1,050.00
Truck Travel 2 round trips Whitehorse-Dawson + around Dawson 2,150km x \$0.60/km	= \$1,290.00
Report Prep	= <u>\$2,000.00</u>
	TOTAL = \$21,788.11



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

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

Submitted By: Bernie Kreft
Receiving Lab: Canada-Whitehorse
Received: August 24, 2020
Analysis Start: September 18, 2020
Report Date: October 01, 2020
Page: 1 of 2

CERTIFICATE OF ANALYSIS

WHI20000305.1

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-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	9	Dry at 60C			WHI
SS80	9	Dry at 60C sieve 100g to -80 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
DISPL	9	Disposal of pulps			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: October 01, 2020

Page: 2 of 2

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI20000305.1

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	

JGBD-01	Soil	0.570	1	81	20	34	1.3	13	8	196	3.68	1075	8	78	<0.5	3	31	29	0.13	0.064	31
JGBD-02	Soil	0.050	<1	60	12	38	<0.3	21	10	243	2.88	352	9	24	<0.5	<3	4	44	0.09	0.026	23
JGBD-03	Soil	0.306	2	134	24	43	1.7	14	8	170	4.54	398	8	106	<0.5	3	17	38	0.16	0.090	34
JGBD-04	Soil	0.598	1	72	12	36	1.0	15	10	188	3.02	525	7	38	<0.5	<3	10	34	0.11	0.037	26
GDAB-01	Soil	0.033	<1	40	10	33	0.5	12	4	105	1.95	160	7	20	<0.5	<3	3	27	0.15	0.035	27
GDAB-02	Soil	0.050	1	45	15	25	0.8	10	3	79	2.72	979	10	40	<0.5	16	19	20	0.15	0.041	31



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 01, 2020

Page: 2 of 2

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI20000305.1

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	

JGBD-01	Soil	13	0.23	203	0.030	<20	0.72	<0.01	0.11	<2	0.15	<1	<5	<5	<5
JGBD-02	Soil	21	0.32	221	0.067	<20	1.70	<0.01	0.08	<2	<0.05	<1	<5	<5	<5
JGBD-03	Soil	14	0.24	260	0.028	<20	0.78	0.01	0.12	<2	0.17	<1	<5	<5	<5
JGBD-04	Soil	16	0.26	153	0.029	<20	0.88	<0.01	0.06	<2	0.06	<1	<5	<5	<5
GDAB-01	Soil	15	0.23	212	0.019	<20	0.86	<0.01	0.08	<2	<0.05	<1	<5	<5	<5
GDAB-02	Soil	10	0.15	269	0.011	<20	0.53	<0.01	0.17	<2	0.22	<1	<5	<5	<5



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PHONE (604) 253-3158

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

Project: None Given
Report Date: October 01, 2020

Page: 1 of 1

Part: 1 of 2

QUALITY CONTROL REPORT

WHI20000305.1

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	
Reference Materials																					
STD BVGEO01 Standard		10	4338	180	1715	2.9	168	24	703	3.65	123	13	55	6.3	4	26	75	1.28	0.073	26	
STD OREAS262 Standard		<1	118	59	151	0.6	64	27	546	3.22	38	8	35	0.7	3	<3	22	2.92	0.040	15	
STD OXB130 Standard	0.123																				
STD OXG141 Standard	0.916																				
STD OXN155 Standard	7.758																				
STD BVGEO01 Expected		10.8	4415	187	1741	2.53	163	25	733	3.7	121	14.4	55	6.5	2.2	25.6	73	1.3219	0.0727	25.9	
STD OREAS262 Expected			118	56	154	0.45	62	26.9	530	3.284	35.8	9.33	36	0.61	3.39		22.5	2.98	0.04	15.9	
STD OXG141 Expected	0.93																				
STD OXN155 Expected	7.762																				
STD OXB130 Expected	0.125																				
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.
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PHONE (604) 253-3158

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

Project: None Given
Report Date: October 01, 2020

Page: 1 of 1

Part: 2 of 2

QUALITY CONTROL REPORT

WHI20000305.1

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	
Reference Materials															
STD BVGE001 Standard	167	1.34	334	0.223	<20	2.27	0.19	0.89	<2	0.70	<1	<5	<5	6	
STD OREAS262 Standard	42	1.20	247	0.002	<20	1.26	0.07	0.30	<2	0.27	<1	<5	<5	<5	
STD OXB130 Standard															
STD OXG141 Standard															
STD OXN155 Standard															
STD BVGE001 Expected	171	1.2963	340	0.233		2.347	0.1924	0.89	3.5	0.6655			7.37	5.97	
STD OREAS262 Expected	41.7	1.17	248	0.003		1.3	0.071	0.312		0.269			3.9	3.24	
STD OXG141 Expected															
STD OXN155 Expected															
STD OXB130 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															
BLK Blank															



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

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

Submitted By: Bernie Kreft
Receiving Lab: Canada-Whitehorse
Received: August 24, 2020
Analysis Start: October 28, 2020
Report Date: November 04, 2020
Page: 1 of 3

CERTIFICATE OF ANALYSIS

WHI20000304.1

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 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	45	Crush, split and pulverize 250 g rock to 200 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
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: November 04, 2020

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Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI20000304.1

Method	WGHT	FA430	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	
LGGR-03	Rock	0.83	0.011	<1	77	<3	23	<0.3	19	7	114	2.93	213	6	9	<0.5	<3	<3	15	0.02	0.016
LGGR-04	Rock	1.22	0.031	<1	85	<3	19	<0.3	18	8	123	2.16	98	5	6	<0.5	<3	<3	11	0.02	0.010
LGGR-05	Rock	2.04	0.095	2	213	21	24	0.9	5	3	222	5.26	18	8	141	<0.5	<3	18	66	0.16	0.145
LGGR-06	Rock	1.44	0.058	<1	80	4	14	<0.3	11	7	76	1.49	617	3	9	<0.5	<3	<3	5	0.01	0.005
LGGR-07	Rock	0.34	0.008	<1	19	<3	7	<0.3	8	4	78	1.19	310	3	9	<0.5	<3	<3	9	0.02	0.006

GRAB-01	Rock	1.76	0.020	2	147	21	65	0.9	7	9	240	5.28	90	8	49	<0.5	<3	9	40	0.03	0.134
GRAB-02	Rock	0.63	0.007	<1	3	<3	2	<0.3	<1	<1	64	0.63	28	<2	6	<0.5	<3	<3	3	<0.01	0.003
GRAB-03	Rock	0.59	0.007	<1	41	<3	5	<0.3	2	2	70	1.50	189	6	10	<0.5	<3	<3	7	0.03	0.010
GRAB-04	Rock	0.45	0.037	3	100	15	26	0.5	7	7	201	5.21	1483	8	27	<0.5	21	20	48	0.06	0.093
GRAB-05	Rock	0.44	0.013	1	122	9	24	0.5	7	4	223	9.81	736	7	38	<0.5	8	4	33	0.02	0.125
GRAB-06	Rock	1.07	0.129	2	137	17	28	0.6	5	3	100	4.65	99	7	25	<0.5	<3	6	36	0.03	0.105
GRAB-07	Rock	1.34	0.098	2	77	14	22	0.5	3	3	102	5.14	111	9	53	<0.5	<3	4	32	0.03	0.119
GRAB-08	Rock	0.10	0.233	3	413	4	114	0.9	16	6	44	29.03	1953	26	29	<0.5	32	10	182	0.02	0.608
GRAB-09	Rock	1.50	0.208	1	125	21	26	0.5	2	2	107	5.00	13	9	30	<0.5	<3	13	46	0.02	0.094
GRAB-10	Rock	1.02	0.020	<1	25	7	2	0.6	1	<1	24	1.21	308	11	15	<0.5	<3	<3	8	0.01	0.029
GRAB-11	Rock	1.45	0.016	2	157	4	2	0.4	1	<1	13	5.98	1788	16	19	<0.5	10	<3	13	0.01	0.137
GRAB-12	Rock	1.41	0.018	3	25	13	6	0.8	<1	<1	34	2.35	316	8	22	<0.5	5	4	10	<0.01	0.034
GRAB-13	Rock	1.28	0.024	2	77	19	24	1.1	3	1	145	5.89	70	7	69	<0.5	<3	8	36	0.03	0.141
JGBR-01	Rock	0.95	0.419	1	232	29	46	1.3	13	13	219	6.00	993	6	55	<0.5	<3	53	28	0.03	0.069
JGBR-02	Rock	1.66	0.136	2	172	18	27	0.8	7	11	116	5.27	833	7	119	<0.5	<3	12	34	0.05	0.120
JGBR-03	Rock	0.08	0.050	3	67	1502	4	16.2	2	2	57	6.95	>10000	4	35	<0.5	49	315	7	<0.01	0.112
JGBR-04	Rock	1.56	0.097	2	83	13	19	0.7	4	5	84	3.44	719	6	81	<0.5	<3	9	19	0.03	0.099
JGBR-05	Rock	0.13	0.182	2	281	17	41	0.6	7	13	153	8.34	334	7	104	<0.5	<3	9	27	0.04	0.154
JGBR-06	Rock	0.46	0.073	2	181	20	22	0.6	5	5	122	6.14	810	14	108	<0.5	4	15	28	0.04	0.114



Bureau Veritas Commodities Canada Ltd.

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Project: None Given
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CERTIFICATE OF ANALYSIS

WHI20000304.1

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	TI	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
LGGR-03	Rock	45	8	0.04	81	0.002	<20	0.51	<0.01	0.16	<2	<0.05	<1	<5	<5	<5
LGGR-04	Rock	38	6	0.04	92	0.002	<20	0.48	<0.01	0.17	<2	<0.05	<1	<5	<5	<5
LGGR-05	Rock	49	12	0.75	396	0.006	<20	1.56	0.06	0.26	<2	0.15	<1	<5	8	<5
LGGR-06	Rock	14	3	0.03	65	0.002	<20	0.37	<0.01	0.13	<2	<0.05	<1	<5	<5	<5
LGGR-07	Rock	8	7	0.05	72	0.006	<20	0.48	<0.01	0.13	<2	<0.05	<1	<5	<5	<5
GRAB-01	Rock	36	6	0.06	433	0.002	<20	0.80	<0.01	0.37	<2	0.26	<1	<5	<5	<5
GRAB-02	Rock	10	5	0.01	92	0.002	<20	0.20	<0.01	0.13	<2	<0.05	<1	<5	<5	<5
GRAB-03	Rock	23	5	0.03	187	0.001	<20	0.48	<0.01	0.29	<2	<0.05	<1	<5	<5	<5
GRAB-04	Rock	35	4	0.04	195	0.002	<20	0.63	<0.01	0.25	<2	0.06	<1	<5	<5	<5
GRAB-05	Rock	18	5	0.04	173	0.002	<20	0.62	<0.01	0.33	<2	0.11	<1	<5	<5	<5
GRAB-06	Rock	33	13	0.08	354	0.003	<20	0.92	<0.01	0.38	<2	0.26	<1	<5	<5	<5
GRAB-07	Rock	34	5	0.07	702	0.002	<20	0.82	0.01	0.56	<2	0.77	<1	<5	<5	<5
GRAB-08	Rock	22	18	0.03	133	0.004	<20	1.73	<0.01	0.12	<2	0.14	<1	<5	9	9
GRAB-09	Rock	34	7	0.14	298	0.003	<20	1.08	0.06	0.26	<2	0.22	<1	<5	6	<5
GRAB-10	Rock	26	6	0.06	175	0.002	<20	0.77	0.01	0.40	<2	0.06	<1	<5	<5	<5
GRAB-11	Rock	18	5	0.05	189	0.002	<20	0.74	<0.01	0.35	<2	0.07	<1	<5	<5	<5
GRAB-12	Rock	11	5	0.08	176	0.003	<20	0.67	0.02	0.42	<2	0.18	<1	<5	<5	<5
GRAB-13	Rock	43	5	0.26	242	0.004	<20	1.30	0.13	0.33	<2	0.46	<1	<5	5	<5
JGBR-01	Rock	36	5	0.06	220	0.003	<20	0.72	<0.01	0.26	<2	0.12	<1	<5	<5	<5
JGBR-02	Rock	36	5	0.09	481	0.003	<20	0.97	0.01	0.41	<2	0.21	<1	<5	<5	<5
JGBR-03	Rock	8	3	0.04	523	0.010	<20	0.49	0.01	0.46	2	0.53	<1	<5	<5	<5
JGBR-04	Rock	36	4	0.10	298	0.003	<20	0.87	<0.01	0.45	<2	0.17	<1	<5	<5	<5
JGBR-05	Rock	50	4	0.07	203	0.003	<20	0.78	<0.01	0.27	<2	0.10	<1	<5	<5	<5
JGBR-06	Rock	36	7	0.08	499	0.005	<20	0.94	<0.01	0.39	<2	0.22	<1	<5	<5	<5



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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: November 04, 2020

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CERTIFICATE OF ANALYSIS

WHI20000304.1

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	
JGBR-07	Rock	1.97	0.269	2	213	18	32	0.6	11	12	235	5.04	237	7	61	<0.5	<3	7	37	0.09	0.120
JGBR-08	Rock	1.15	0.070	2	143	21	21	0.9	5	5	106	3.73	183	7	61	<0.5	<3	9	41	0.06	0.115
JGBR-09	Rock	0.46	0.264	2	126	18	26	1.0	8	11	256	5.95	213	7	127	<0.5	<3	11	26	0.04	0.124
KRGR-01	Rock	2.53	0.018	2	151	14	90	0.6	6	10	409	9.39	62	6	35	<0.5	8	4	58	0.03	0.145
KRGR-02	Rock	0.89	0.021	2	59	18	13	0.7	<1	2	58	3.75	62	6	80	<0.5	4	5	27	0.02	0.109
KRGR-03	Rock	1.29	0.066	4	98	16	92	0.5	3	8	182	6.90	128	9	21	<0.5	11	11	73	0.03	0.217
KRGR-04	Rock	0.17	1.173	2	260	107	30	28.5	2	7	249	8.01	>10000	20	17	0.8	103	89	38	0.03	0.239
KRGR-05	Rock	0.82	0.007	<1	104	5	5	0.4	1	1	58	5.17	466	<2	4	<0.5	6	<3	18	<0.01	0.028
KRGR-06	Rock	1.59	0.020	<1	191	7	3	0.4	1	1	18	7.99	845	17	9	<0.5	7	<3	22	0.02	0.230
KRGR-07	Rock	1.37	0.010	<1	128	5	2	0.3	1	<1	33	3.32	216	8	6	<0.5	3	<3	11	0.01	0.060



Bureau Veritas Commodities Canada Ltd.

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Project: None Given
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CERTIFICATE OF ANALYSIS

WHI20000304.1

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
JGBR-07	Rock	41	7	0.09	313	0.004	<20	0.88	<0.01	0.33	<2	0.09	<1	<5	<5	<5
JGBR-08	Rock	38	6	0.07	430	0.003	<20	0.88	<0.01	0.33	<2	0.21	<1	<5	<5	<5
JGBR-09	Rock	54	4	0.08	237	0.003	<20	0.72	<0.01	0.33	<2	0.11	<1	<5	<5	<5
KRGR-01	Rock	28	11	0.05	549	0.001	<20	0.74	<0.01	0.36	<2	0.40	<1	<5	<5	5
KRGR-02	Rock	33	5	0.02	538	0.001	<20	0.58	0.01	0.54	<2	0.81	<1	<5	<5	<5
KRGR-03	Rock	29	9	0.06	271	0.002	<20	0.85	<0.01	0.28	<2	0.16	<1	<5	<5	8
KRGR-04	Rock	13	8	0.06	216	0.002	<20	0.48	<0.01	0.29	<2	0.38	<1	<5	<5	6
KRGR-05	Rock	8	4	0.02	103	0.001	<20	0.27	<0.01	0.16	<2	0.08	<1	<5	<5	<5
KRGR-06	Rock	26	7	0.05	196	0.001	<20	0.77	<0.01	0.34	<2	<0.05	<1	<5	<5	<5
KRGR-07	Rock	18	7	0.05	94	0.001	<20	0.59	<0.01	0.23	<2	<0.05	<1	<5	<5	<5



QUALITY CONTROL REPORT

WHI20000304.1

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																					
GRAB-08	Rock	0.10	0.233	3	413	4	114	0.9	16	6	44	29.03	1953	26	29	<0.5	32	10	182	0.02	0.608
REP GRAB-08	QC	0.244																			
JGBR-03	Rock	0.08	0.050	3	67	1502	4	16.2	2	2	57	6.95	>10000	4	35	<0.5	49	315	7	<0.01	0.112
REP JGBR-03	QC	3 68 1497 4 16.3 2 2 60 7.13 >10000 4 36 <0.5 48 318 7 <0.01 0.114																			
Core Reject Duplicates																					
GRAB-03	Rock	0.59	0.007	<1	41	<3	5	<0.3	2	2	70	1.50	189	6	10	<0.5	<3	<3	7	0.03	0.010
DUP GRAB-03	QC	0.008 <1 42 <3 5 <0.3 2 1 54 1.53 202 6 9 <0.5 <3 <3 7 0.02 0.010																			
Reference Materials																					
STD BVGE001	Standard	10 4189 183 1638 2.7 159 23 671 3.48 117 12 51 5.9 4 23 70 1.21 0.069																			
STD DS11	Standard	14 151 138 354 1.8 81 14 1055 3.18 46 8 68 2.1 8 11 50 1.08 0.071																			
STD OREAS262	Standard	<1 116 56 148 0.5 62 26 530 3.24 37 11 34 0.5 <3 <3 21 2.84 0.038																			
STD OREAS262	Standard	<1 115 56 146 0.6 61 26 533 3.16 35 7 34 0.6 3 <3 20 2.80 0.038																			
STD OXB130	Standard	0.125																			
STD OXB130	Standard	0.126																			
STD OXG141	Standard	0.914																			
STD OXG141	Standard	0.929																			
STD OXN155	Standard	7.513																			
STD OXN155	Standard	7.701																			
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																			
STD BVGE001 Expected		10.8 4415 187 1741 2.53 163 25 733 3.7 121 14.4 55 6.5 2.2 25.6 73 1.3219 0.0727																			
STD OREAS262 Expected		118 56 154 0.45 62 26.9 530 3.284 35.8 9.33 36 0.61 3.39 22.5 2.98 0.04																			
STD OXG141 Expected		0.93																			
STD OXN155 Expected		7.762																			
STD OXB130 Expected		0.125																			
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																			
BLK	Blank	0.006																			
BLK	Blank	<0.005																			



QUALITY CONTROL REPORT

WHI20000304.1

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	
MDL		1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	
Pulp Duplicates																
GRAB-08	Rock	22	18	0.03	133	0.004	<20	1.73	<0.01	0.12	<2	0.14	<1	<5	9	9
REP GRAB-08	QC															
JGBR-03	Rock	8	3	0.04	523	0.010	<20	0.49	0.01	0.46	2	0.53	<1	<5	<5	<5
REP JGBR-03	QC	8	3	0.04	533	0.010	<20	0.50	0.01	0.47	<2	0.54	<1	<5	<5	<5
Core Reject Duplicates																
GRAB-03	Rock	23	5	0.03	187	0.001	<20	0.48	<0.01	0.29	<2	<0.05	<1	<5	<5	<5
DUP GRAB-03	QC	25	4	0.03	151	<0.001	<20	0.39	<0.01	0.25	<2	<0.05	<1	<5	<5	<5
Reference Materials																
STD BVGE001	Standard	24	157	1.26	317	0.219	<20	2.13	0.17	0.84	<2	0.67	<1	<5	7	6
STD DS11	Standard	18	59	0.87	429	0.095	<20	1.20	0.07	0.41	2	0.29	<1	6	6	<5
STD OREAS262	Standard	16	41	1.18	249	0.003	<20	1.32	0.07	0.31	<2	0.26	<1	<5	<5	<5
STD OREAS262	Standard	14	39	1.17	238	0.003	<20	1.16	0.07	0.29	<2	0.26	<1	<5	<5	<5
STD OXB130	Standard															
STD OXB130	Standard															
STD OXG141	Standard															
STD OXG141	Standard															
STD OXN155	Standard															
STD OXN155	Standard															
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
STD BVGE001 Expected		25.9	171	1.2963	340	0.233		2.347	0.1924	0.89	3.5	0.6655			7.37	5.97
STD OREAS262 Expected		15.9	41.7	1.17	248	0.003		1.3	0.071	0.312		0.269			3.9	3.24
STD OXG141 Expected																
STD OXN155 Expected																
STD OXB130 Expected																
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
BLK	Blank															
BLK	Blank															



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Project: None Given
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QUALITY CONTROL REPORT

WHI20000304.1

		WGHT	FA430	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	
BLK	Blank	0.007																				
BLK	Blank	0.006																				
Prep Wash																						
ROCK-WHI	Prep Blank	0.011	<1	1	<3	25	<0.3	<1	3	475	1.88	5	3	28	<0.5	<3	<3	24	0.69	0.039		
ROCK-WHI	Prep Blank	0.006	<1	2	<3	27	<0.3	1	4	486	1.97	<2	3	25	<0.5	<3	<3	27	0.62	0.040		



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: November 04, 2020

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Part: 2 of 2

QUALITY CONTROL REPORT

WHI20000304.1

		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
		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
BLK	Blank															
BLK	Blank															
Prep Wash																
ROCK-WHI	Prep Blank	6	3	0.45	61	0.089	<20	0.88	0.09	0.10	<2	<0.05	<1	<5	7	<5
ROCK-WHI	Prep Blank	6	2	0.48	67	0.095	<20	0.93	0.09	0.09	<2	<0.05	<1	<5	7	<5



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

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

Submitted By: Bernie Kreft
Receiving Lab: Canada-Whitehorse
Received: August 24, 2020
Analysis Start: September 01, 2020
Report Date: September 12, 2020
Page: 1 of 2

CERTIFICATE OF ANALYSIS

WHI20000306.1

CLIENT JOB INFORMATION

Project: None Given
Shipment ID:
P.O. Number
Number of Samples: 26

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	26	Crush, split and pulverize 250 g rock to 200 mesh			WHI
FA430	26	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
EN002	26	Environmental disposal charge-Fire assay lead waste			VAN
AQ300	26	1:1:1 Aqua Regia digestion ICP-ES analysis	0.5	Completed	VAN
SHP01	26	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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Client: Kreft, Bernie
1 Locust Place
Whitehorse Yukon Y1A 5G9 Canada

Project: None Given
Report Date: September 12, 2020

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CERTIFICATE OF ANALYSIS

WHI20000306.1

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	
LGGR-01	Rock	1.55	0.055	1	103	4	16	0.6	5	11	77	1.61	3281	2	17	<0.5	<3	<3	3	0.02	0.003
LGGR-02	Rock	0.96	0.016	<1	113	<3	16	1.3	3	5	59	1.19	3061	<2	13	<0.5	<3	<3	2	0.02	0.003



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

Project: None Given
Report Date: September 12, 2020

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CERTIFICATE OF ANALYSIS

WHI20000306.1

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
LGGR-01	Rock	11	3	0.03	289	0.002	<20	0.27	<0.01	0.12	<2	<0.05	<1	<5	<5
LGGR-02	Rock	7	2	0.02	163	0.002	<20	0.24	<0.01	0.11	<2	<0.05	<1	<5	<5



QUALITY CONTROL REPORT

WHI20000306.1

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																					
REP LGGR-02	QC	0.016																			
BKPR-04	Rock	1.32	0.346	2	11	12	2	1.2	2	<1	40	0.86	449	<2	4	<0.5	7	<3	5	0.01	0.026
REP BKPR-04	QC			2	11	13	2	1.2	2	<1	39	0.86	454	<2	4	<0.5	7	<3	5	0.01	0.026
Core Reject Duplicates																					
LGGR-02	Rock	0.96	0.016	<1	113	<3	16	1.3	3	5	59	1.19	3061	<2	13	<0.5	<3	<3	2	0.02	0.003
DUP LGGR-02	QC		0.024	<1	113	5	15	1.3	3	6	60	1.20	3065	<2	13	<0.5	<3	<3	2	0.02	0.003
Reference Materials																					
STD DS11	Standard			14	140	127	327	1.4	74	12	957	2.92	42	6	61	2.1	7	10	46	0.98	0.065
STD OREAS262	Standard			<1	114	55	144	0.4	61	26	517	3.16	35	8	34	0.6	<3	<3	21	2.75	0.038
STD OXB130	Standard		0.120																		
STD OXG141	Standard		0.914																		
STD OXN155	Standard		7.803																		
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
STD OREAS262 Expected				118	56	154	0.45	62	26.9	530	3.284	35.8	9.33	36	0.61	3.39		22.5	2.98	0.04	
STD OXG141 Expected		0.93																			
STD OXN155 Expected		7.762																			
STD OXB130 Expected		0.125																			
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	<0.005																			
BLK	Blank	<0.005																			
Prep Wash																					
ROCK-WHI	Prep Blank	<0.005	1	5	<3	32	<0.3	2	3	501	1.79	<2	<2	25	<0.5	<3	<3	24	0.66	0.040	
ROCK-WHI	Prep Blank	<0.005	<1	5	<3	30	<0.3	1	3	494	1.75	<2	<2	26	<0.5	<3	<3	23	0.66	0.039	



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Client: Kreft, Bernie
1 Locust Place
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Project: None Given
Report Date: September 12, 2020

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QUALITY CONTROL REPORT

WHI20000306.1

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																
REP LGGR-02	QC															
BKPR-04	Rock	1	4	<0.01	303	0.001	<20	0.06	<0.01	0.06	<2	0.29	<1	<5	<5	<5
REP BKPR-04	QC	1	4	<0.01	303	0.001	<20	0.06	<0.01	0.06	<2	0.29	<1	<5	<5	<5
Core Reject Duplicates																
LGGR-02	Rock	7	2	0.02	163	0.002	<20	0.24	<0.01	0.11	<2	<0.05	<1	<5	<5	<5
DUP LGGR-02	QC	7	2	0.02	163	0.002	<20	0.24	<0.01	0.11	<2	<0.05	<1	<5	<5	<5
Reference Materials																
STD DS11	Standard	16	55	0.79	396	0.084	<20	1.07	0.07	0.38	<2	0.27	<1	<5	<5	<5
STD OREAS262	Standard	16	41	1.15	243	0.003	<20	1.23	0.07	0.30	<2	0.26	<1	<5	<5	<5
STD OXB130	Standard															
STD OXG141	Standard															
STD OXN155	Standard															
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
STD OREAS262 Expected		15.9	41.7	1.17	248	0.003		1.3	0.071	0.312		0.269			3.9	3.24
STD OXG141 Expected																
STD OXN155 Expected																
STD OXB130 Expected																
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															
BLK	Blank															
Prep Wash																
ROCK-WHI	Prep Blank	6	2	0.48	56	0.069	<20	0.85	0.06	0.08	<2	<0.05	<1	<5	<5	<5
ROCK-WHI	Prep Blank	6	1	0.46	59	0.065	<20	0.85	0.06	0.08	<2	<0.05	<1	<5	<5	<5