

Prospecting and Sampling Report  
On The  
GR 1-44 Quartz Claims

GR-1 to 2	YC60638 to YC60639
GR-3 to 12	YC60640 to YC60649
GR-13 to 14	YC60650 to YC60651
GR-15 to 16	YC62966 to YC62967
GR-17 to 18	YC62968 to YC62969
GR-19 to 26	YC62970 to YC62977
GR-27 to 39	YC93792 to YC93804
GR-40	YC93805
GR-41	YC93806
GR-42	YC93807
GR-43	YC93808
GR-44	YC93809

Work Period September 4<sup>th</sup> to September 6<sup>th</sup>, 2018

Located In  
Dawson Mining District  
On  
NTS 115-O-10  
63° 44' Latitude, 138° 44' Longitude

By  
Bernie Kreft, Owner and Operator

January 10<sup>th</sup>, 2019

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**Location And Access** - The GR claims are located in the Dawson Mining District, on NTS map sheet 115-O-10, west of Gold Run Creek between right limit tributaries Laskey Creek/Gulch and 71 Pup. A well-developed network of gravel roads provides excellent access from Dawson City to the numerous placer mines located along Gold Run Creek. The roads are usually easily passable from May 15<sup>th</sup> to October 15<sup>th</sup>. Total distance from Dawson City via the Upper Bonanza Creek road and Sulphur Creek road is about 75 kilometres (65 min); via Hunker Creek road and Dominion Creek road is about 85 kilometres (65 min). Access from the Gold Run creek road to the Doron Zone trench sites (+/- 1.0km) is best achieved by foot, with ATV access possible, along the excavator access path.

**Claim Status Table**

Claim Name	Claim Number	Owner	Expiry Date
GR-1 to 2	YC60638 to YC60639	Bernard Kreft 100%	2020 January 4th
GR-3 to 12	YC60640 to YC60649	Bernard Kreft 100%	2021 January 4th
GR-13 to 14	YC60650 to YC60651	Bernard Kreft 100%	2020 January 4th
GR-15 to 16	YC62966 to YC62967	Bernard Kreft 100%	2020 January 4th
GR-17 to 18	YC62968 to YC62969	Bernard Kreft 100%	2021 January 4th
GR-19 to 26	YC62970 to YC62977	Bernard Kreft 100%	2020 January 4th
GR-27 to 39	YC93792 to YC93804	Bernard Kreft 100%	2020 January 4th
GR-40	YC93805	Bernard Kreft 100%	2021 January 4th
GR-41	YC93806	Bernard Kreft 100%	2020 January 4th
GR-42	YC93807	Bernard Kreft 100%	2021 January 4th
GR-43	YC93808	Bernard Kreft 100%	2020 January 4th
GR-44	YC93809	Bernard Kreft 100%	2021 January 4th

**Topography And Vegetation** - The property lies within the un-glaciated Klondike Plateau, which is characterized by low rolling hills dissected by deeply incised stream valleys. This region experienced strong surficial weathering during the early and mid-Tertiary, as a result, bedrock exposures are extremely limited with the effects of surface weathering extending to depths of as much as 80 metres or more. Overburden and regolithic material averages 2 metres in thickness, necessitating the use of mechanized trenching to expose bedrock. Permafrost is widespread on north facing slopes and to a lesser extent on east facing slopes, and sporadically occurs in other areas. Although snow cover is mostly gone by mid May, frost does not leave the ground sufficiently for exploration purposes until about mid 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 and in areas of permafrost or poor drainage.

**History And Previous Work** - Exploration for the source of the placer gold in the Klondike has been of an ebb and flow nature since 1897. Although numerous significant discoveries such as Lone Star and Hunker Dome have been made, the source of the majority of the placer gold remains an enigma likely due to thick overburden, abundant vegetative cover and a variable thickness of regolithic material all conspiring to make historical methods of prospecting of limited use and effect. Recent discoveries within the Klondike placer goldfields have come about mainly through the usage of soil geochemistry with follow-up by mechanized trenching and RC or diamond drilling.

Hard-rock exploration in the vicinity of the Gold Run Project has been conducted since 1897. The historical focus on this area was undoubtedly due to the fact that the extremely rich portion of the Gold Run placer paystreak begins in the vicinity of Laskey Creek (GSC Mem. 284 pp. 98-99). Placer gold recovered from this



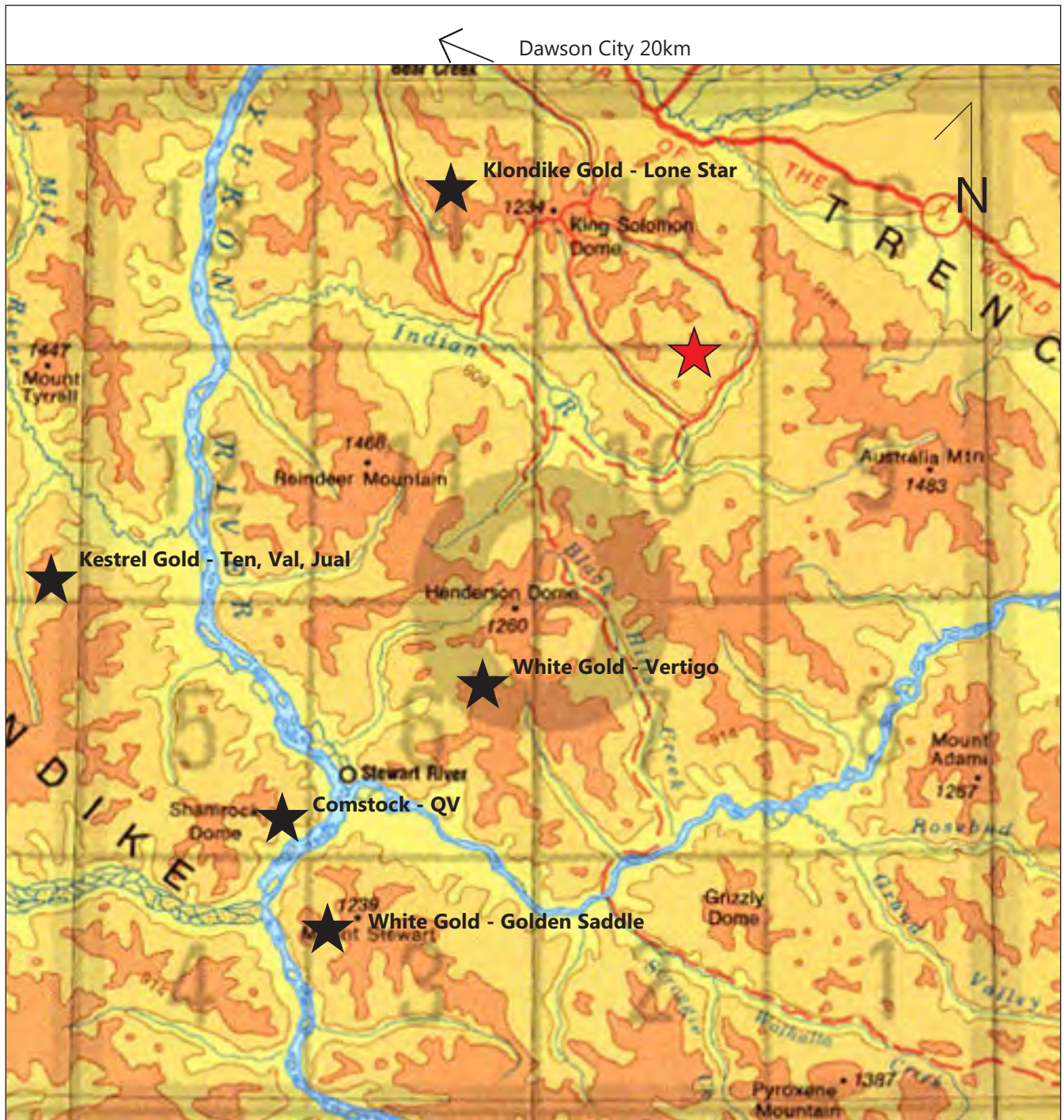
Gold Run Project ★

To Accompany: 2018 Gold Run Report

January 12th, 2019

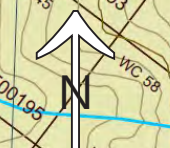
By: Bernie Kreft

Figure 1



Regional Map - Gold Run Project   
figure 2

Scale approx. 1:600,000



Claim map  
Zone 7 NAD 83  
115-O-15  
1:25,000 scale  
0k 0.25k 0.5k  
figure 3

**Approximate Outline 2011  
Kestrel Base Metal Anomaly**

**Approximate Outline  
2018 sample maps**



**Doron NW**

**Teck**


**Kentucky West**

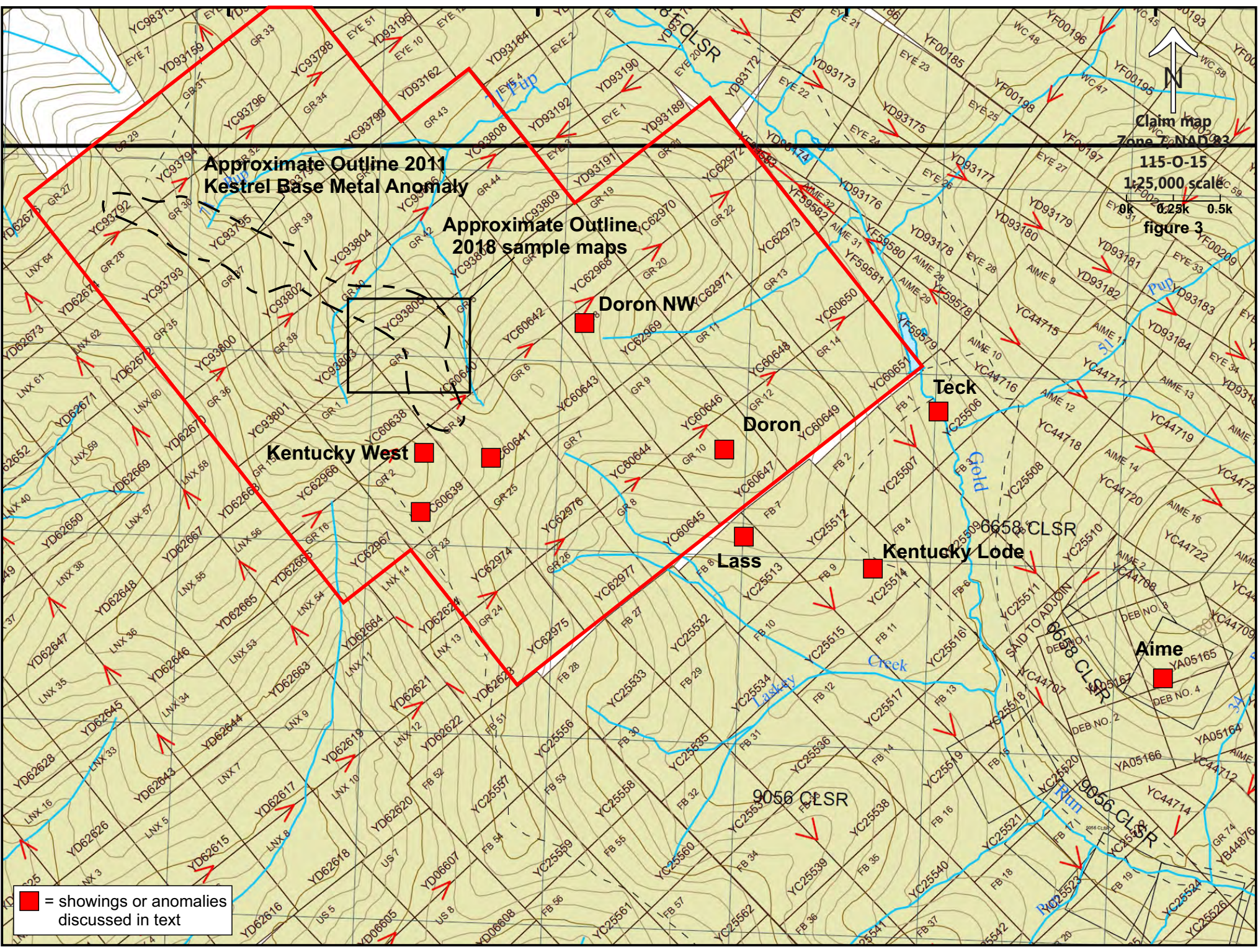
**Doron**

**Lass**

**Kentucky Lode**

**Aime**

 = showings or anomalies  
discussed in text



area of Gold Run Creek is generally small (20 mesh to 120 mesh) bright and rough with some quartz attached (YPMI 1998-2002 p.112), suggesting a local source. Compositional studies of placer and lode gold during 2005 (YEG 2005, p.249 Mortenson et.al.) led to the conclusion that “a major gold source existed in this area”. Prospects (fig.3) include:

Aime (minfile and Debicki R.L., 1985, Bedrock Geology of The Klondike Area, INAC) – An adit, shaft and several pits explore several near vertical NW trending veins. A 1.5 metre channel sample across a 1.0 metre wide vein and adjacent pyritized wallrock reportedly returned 20.6 g/t Au, with grab samples reportedly grading up to 9.1 oz/t Au. Mineralization includes pyrite and rare blebs of galena.

Kentucky Lode (Debicki R.L., 1985, Bedrock Geology of The Klondike Area, INAC) – An adit and several shafts explore several NW trending veins up to 2.4 metres wide and grading up to 7.9 g/t Au. Mineralization consists of minor pyrite. Wallrock is weakly altered and pyritic. Four grab samples by Wealth Resources of material from the adit dump contained up to 1550 ppb Au. No anomalous values for pathfinder elements were returned.

Kentucky West (Debicki R.L., 1985, Bedrock Geology of The Klondike Area, INAC) – A large shaft with headframe and several pits explore a 125° trending quartz vein up to 1.5 metres in width. Although no results have been reported, early newspaper reports were quite promotional and reported the vein as being up to 3.5 metres in width and significantly auriferous over a 300 metre strike length.

Doron – A series of pits and a small shaft. Debicki, who regionally mapped the Klondike in 1984 and 1985, originally named these workings Kentucky Lode. Occurrence consists of rusty quartz veins up to 0.4 metres in width cutting weakly altered wall rock. No results reported.

Teck – Placer mining in 1989 exposed a near vertical 320° trending vein and gouge zone with grades of up to 59.1 g/t Au and 187.5 pm Ag from a grab sample. Mineralization includes pyrite, chalcopyrite, chalcocite and galena (AR #093219).

Lass – An area with 3 shafts that explore several rusty quartz veins. Mineralization consists of pyrite. No results reported.

During the period 1985-1994 Lisle Gatenby, Doron Exploration and Wealth Resources conducted hard-rock exploration Gold Run project area. Work consisted of soil sampling along with limited mapping and rock sampling, and was concentrated in the area from Kentucky Lode to Kentucky West.

Gatenby’s work (AR #091664) consisted of 92 soil samples taken along claim baselines that were oriented approximately due north and extended through the Kentucky Lode, Lass and Doron occurrences. Results include two spot anomalies of up to 43 ppb Au from Kentucky Lode, a single point of 57 ppb Au at Lass, and a small cluster of anomalous values with up to 124 ppb Au approximately 500 metres north of Kentucky Lode.

Doron’s work (AR #092603) consisted of 800 soil samples (only 400 analyzed) taken at 25 metre intervals on lines 100 metres apart. This work was centered on the ridge top from Kentucky West to Doron. Although the sample lines were oriented NNW or at a slight angle to the strike of mineralization, the work still located 4 significant spot anomalies (244-858 ppb Au), as well as a 500 metre by 200 metre open-ended cluster of anomalous samples ranging from 20-57 ppb Au located to the north-east of Kentucky West. Old

showings did not report to the grid. Trace element geochemistry showed only occasional minor arsenic associated with the gold values.

Wealth's work (AR #093219) resulted in 256 soil samples taken from an irregular shaped grid with sample intervals at 50m on NE-SW lines spaced 250m apart. This work covered the area from Kentucky Lode to Doron, and defined two narrow NW trending anomalous zones with up to 845 ppb Au extending from Kentucky Lode to the direction of Doron. A spot anomaly of 340 ppb Au was located 300 metres NE of the narrow NW trending zones.

Kreft 2007 (YEIP 2007-020) – Work was designed to locate and define previously reported anomalies, specifically the portion of the Wealth and Doron prospects that were on un-staked ground. It consisted of claim staking, the collection of 94 soil samples, followed by the excavation of 5 trenches and the collection of 57 channel samples and 4 grab samples.

Soil sampling helped define numerous anomalies with values of up to 864 ppb Au. These anomalies provided the impetus for a 5 trench 124 linear metre trenching program. Trench channel samples resulted in the definition of 15 distinct anomalous zones with values of up to 2242 ppb Au over 18.2 metres, including 9060 ppb Au over 1.8 metres (Trench #4). Highly anomalous gold values were found to occur within narrow (<10cm) quartz and quartz-carbonate veins (up to 19900 ppb Au over 3cm Trench #2) and associated pyritized and iron-carbonate altered wall-rock. Sections with no obvious nearby veining (up to 2210 ppb Au over 0.9m Trench #3) were also found to be anomalous. One pin-head sized piece of visible gold was observed within a narrow vein in Trench #5, a sample of this vein and minor wallrock returned 674 ppb Au over 8cm.

Kreft 2008 (YEIP 2008-016) – Work consisted of soil sampling in several areas of the property, as well as rock sampling within the existing trenches in an effort to help define the effect of coarse gold on assay results. Rock sampling work suggests that standard fire assay results of quartz vein samples typically return  $\frac{1}{2}$  to  $\frac{2}{3}$  of the values that a metallic screen analyses will yield, but that there is no significant variation between results from fire assays and metallic screens on samples of wallrock. Soil sampling helped further define gold anomalies in the area of the Doron Zone trenches as well as indicating the potential for gold mineralization at Kentucky West and Doron NW.

Kreft 2009 (YEIP 2009-014) – Work consisted of soil sampling at Doron, Kentucky West and at the northwest edge of the property. Soils in the vicinity of the Doron Zone consisted of two lines designed to test for northwest strike extents to the mineralization encountered by 2007 trenching. Sampling conditions were severely hampered by the presence of widespread frost, which precluded sampling of the target soil horizon at nearly all sample sites. Sampled medium consisted of a melange of generally B horizon material with some A horizon and possibly some C horizon. Although values encountered during 2009 are reduced in tenor as compared to 2007 and 2008 results, this "muting" of results can easily be explained by the reduction in sample medium quality. Considering sample quality, results appear to indicate that the mineralization encountered by trenches 07-05, 09-01, 09-03, 09-06 and 09-07 remains open to the northwest, that the mineralization encountered by trenches 07-01, 07-02 and 07-03 likely remains open to the northwest, and that mineralization in trenches 07-04 and 09-02 possibly remains open to the northwest.

Soil sampling near the northwest edge of the property consisted of a single line of 27 samples taken at 30 metre intervals, designed to provide a preliminary test of this un-explored area. Sampling conditions were



good, with the top of the C-horizon easily reached at all sites. Results indicate the presence of a 131 ppb gold anomaly occurring as a single point near the central portion of the line.

Soil sampling at Kentucky West consisted of a single line of 9 samples taken at 25 metre intervals, designed to provide a cross-cut through the area defined as anomalous by sampling in 2007 and 2008. Sampling conditions were good, with the top of the C-horizon easily reached at all sites. Results indicate no anomalous values, suggesting that either previous anomalous results were a result of lab error, or that previous sampling (which was in B-horizon material) encountered material with an ultimate source farther up-hill than the 2009 sampling which was from well within the C-horizon. Irrespective of sample depth and the effects of downslope dispersion, given the approximate east-west orientation of the line it would appear that potential for north to north-west striking mineralization, which is the predominant trend of mineralization on the property, is limited in this area.

### **2009 Trench Table**

<b>Trench Code</b>	<b>UTM East</b>	<b>UTM North</b>	<b>Length</b>	<b>Target</b>	<b>Samples</b>	<b>Best Result</b>
GRT09-01	613240	7069730	42.1m	249 ppb soil	39	25.4 ppm Au over 0.04m
GRT09-02	613145	7069730	74.5m	200 ppb soil	26	14.7 ppm Au over 1.9m
GRT09-03	613199	7069733	66.0m	56 ppb soil	28	0.330 ppm over 14.6m
GRT09-04	611277	7069180	21.8m	58 ppb soil	16	0.047 ppm over 1.6m
GRT09-05	612128	7070168	24.5m	147 ppb soil	15	0.153 ppm over 0.5m
GRT09-06	613163	7069717	7.6m	join T2, T3	11	2.87 ppm Au over 1.3m
GRT09-07	613202	7069711	23.3m	655 ppb soil	13	0.155 ppm Au over 0.7m

Trench 2009-01 was designed to test 2008 gold in soil anomalies of up to 249 ppb gold. It encountered at least 3 narrow (<6cm) quartz veins grading from 7.12 ppm Au to 12.85 ppm Au within a 5.4 metre wide interval of moderately iron-carbonate altered and pyritized chlorite quartz schist. Although representative grab samples of the veins are highly anomalous, channel samples across the veins and adjacent wallrock ranged from 0.038 ppm Au to 0.798 ppm Au. It is apparent that the high grade veins are not fully represented by wider channel samples that include them. The uphill end of 2009-01, encountered a quartz vein grading 25.4 ppm Au over 0.06 metres while a channel sample across the vein and adjacent pyritized and iron-carbonate altered wallrock returned 0.292 ppm Au over 1.3 metres. Given that 0.06 metres of 25.4 ppm Au extrapolated over 1.3 metres results in a grade of 1.17 ppm Au (with a value of nil ascribed for the remaining 1.24 metres) it again appears that channel sampling across high-grade quartz vein(s) does not accurately represent the presence of the vein(s).

Trench 2009-02 was designed to test a 200 ppb gold in soil anomaly thought to represent the strike extent of mineralization encountered in trench 2007-4 which returned values of 2242 ppb Au over 18.2 metres, including 9060 ppb Au over 1.8 metres. Although no broad widths of mineralization similar to those in the 2007 trench were encountered by the 2009 trench, several intervals of quartz veining and associated pyritized and iron carbonate altered wallrock were encountered with grades of up to 14.7 ppm gold over 1.9 metres. Trenching in this area suggests the presence of a minimum 75 metre long zone grading 9.06-14.7 ppm gold over a 1.85 metres width extending from Trench 2007-04 to Trench 2009-02. The exploration potential of this zone is high, given that there is potential for broad intervals of lower grade supportive material adjacent to this zone, and that it remains open in all directions.

Trench 2009-3 was designed to hopefully provide a frost-free 25.0 metre step-out to the north of the portion of trench 2009-1 that had encountered frost along much of its length and had failed to reach

bedrock in several areas. It encountered a 14.6 metres wide zone grading 0.330 ppm gold comprised of several narrow sheeted quartz veins and their associated iron-carbonate altered and variably pyritized wallrock haloes. As per Trench 2009-01, it appears that channel sampling across high-grade quartz vein(s) and the adjacent wall-rock does not accurately represent the presence of the vein(s), and that regular fire-assays of the veins provide erratic results (see table below, samples 093-27, 28), likely due to a high proportion of the gold occurring as small flecks or chunks.

Trench 2009-4 was designed to expose bedrock just downhill from a 58 ppb gold in soil anomaly. No anomalous results were returned from the rock sampling completed. Soil samples taken immediately upslope and parallel to the trench were also not anomalous. The possibilities exist that the previous high values are a result of lab error, or that the anomalous gold in soil value is from a source parallel to, and uphill of, the trench. It is apparent that the potential for north to north-west trending (which is the predominant mineralization trend on the property) vein and alteration system is very limited in the area of the trench and associated 2009 soil sampling.

Trench 2009-5 was designed to expose bedrock at the site of a 147 ppb gold in soil anomaly within the Doron NW Zone. Although veining and alteration similar to that which exists at the Doron Zone was encountered in several areas of the trench, the best result was only 0.153 ppm Au over 0.5 metre.

Trench 2009-6 was designed to connect the downhill end of T09-02 with the uphill end of T09-03, through an area previously prepared for trenching, but not completed due to the presence of frost. It encountered a 1.3 metre wide zone grading 2.87 ppm gold comprised of carbonate altered tan-pink schist, near the boundary with several large quartz boudins. Although no discordant quartz veins were noted within the anomalous interval, the alteration and mineralization present is suggestive of their presence.

Trench 2009-7 is a continuation of the uphill end of trench 2009-01 and was excavated in an area that was prepared for trenching but could not be completed due to the presence of permafrost. Although the trench target was the bedrock source of a 655 ppb Au in soil anomaly (the second highest gold in soil value on the property), the best result was only 0.155 ppm Au over 0.7 metres. Even though the area of this trench was pre-stripped to allow for thawing, the presence of permafrost still hindered excavation to bedrock, and much of the material sampled was locally derived regolithic or colluvial material as opposed to true bedrock. Potential exists that more significant gold grades may be present in the bedrock, but remain masked by this frozen "overburden".

Trench 2007-05 was deepened significantly to allow for an accurate strike and dip determination of the previously exposed veins. This work showed that the veins are vertical, to near vertical, with a northwest strike.

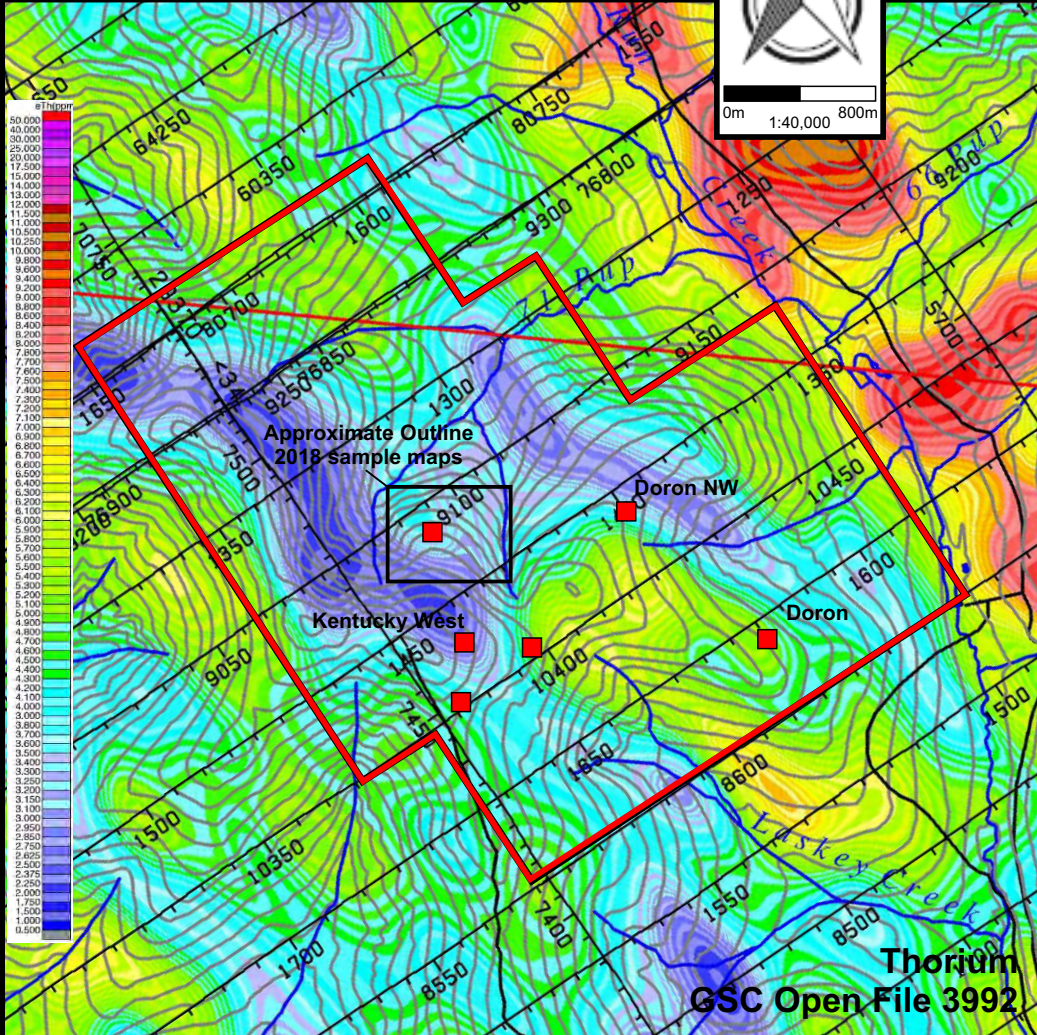
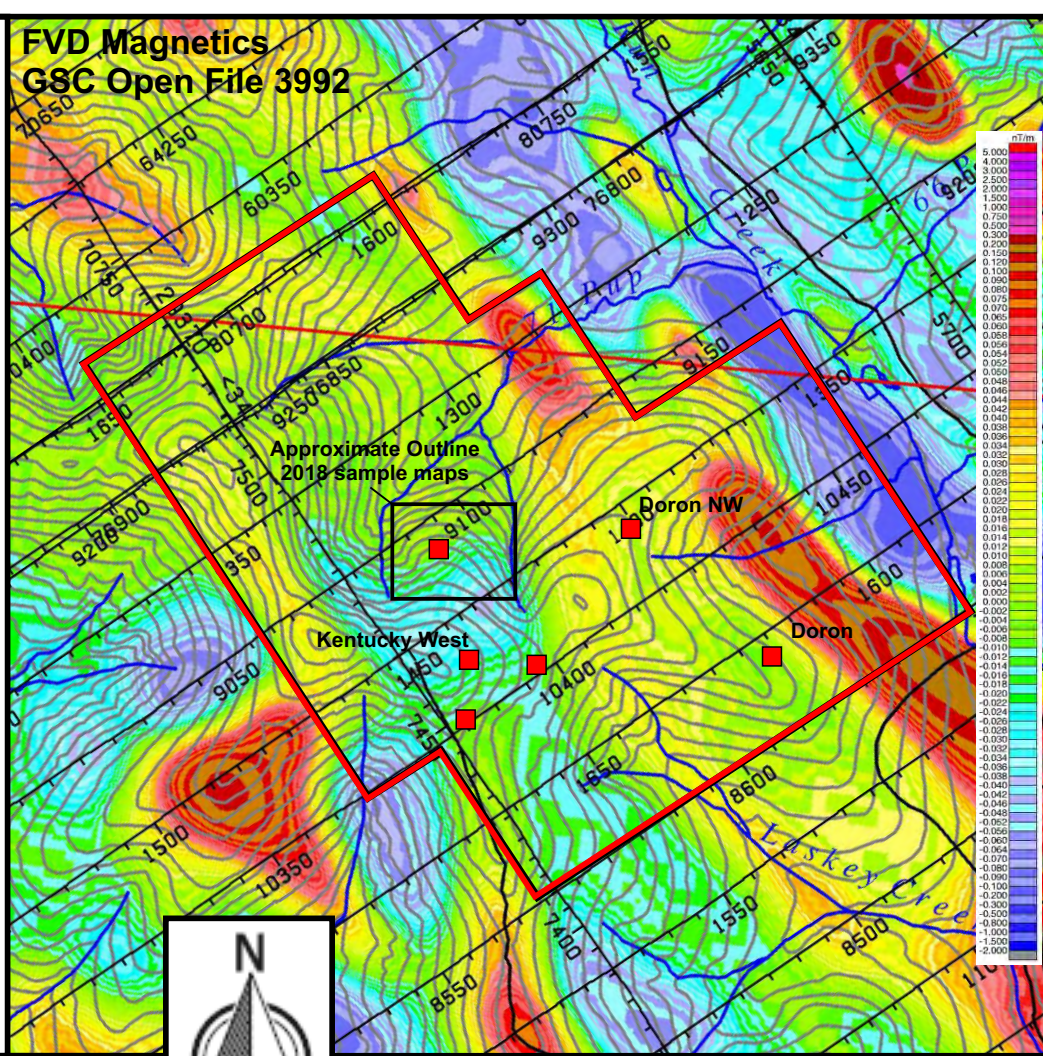
Kestrel 2011 (AR095974) - A total of 1,569 soils were collected during the period June 20 to July 26, 2011. Results expanded the existing gold soil anomalies at Doron, Doron NW and outlined a new area with anomalous gold in soil values to 85 ppb at the approximate centre of the property. Kestrel also defined a NW trending approximately 2.1km long x 0.2km wide base metal anomaly with up to 1,184 ppm Zn, 237 ppm Pm and 240 ppm Cu that may be stratigraphically controlled. The new area of anomalous gold in soil at the centre of the property coincides with soil values of up to 1,135 ppb Au found on page 30 of 76 in report AR094507 by Adamson and Thomas, for KSL Limited, and was the focus for the 2018 field program.

**GSC Airborne Data Open File 3992** – During 2001 the GSC published the results of a multi-parameter airborne geophysical survey covering much of the area south and west of Dawson including the area of the

## Gold Run Project

- showings and anomalies parallel a NW trending positive magnetic anomaly (right) and a thorium low with similar orientation (below)
- mineralization consists of sheeted quartz veins and iron carbonate altered and pyritic wallrock, sampling has returned up to 2.24 g/t Au over 18.2m and 14.7 g/t Au over 1.9m
- visible gold has been noted, with metallic screen assaying often doubling the grades returned from a regular fire assay
- geology consists of quartz chlorite schist in the hangingwall of a northwest trending and shallowly west dipping thrust fault
- showings and anomalies occur along an approximate 2km trend
- property totals 44 claims at a grassroots level with no drilling completed, only 12 trenches totalling 384 linear metres and incomplete soil geochem coverage

## FVD Magnetics GSC Open File 3992



Gold Run Property. Mineralized showings on the Property are located east of a positive moderate northwest trending First Vertical Derivative aeromagnetic anomaly and within a moderate to strong Thorium low. Although geological mapping will be required to determine the cause of these anomalies and their relationship to the mineralized showings and zones, the geophysical data found within this open file will provide significant assistance to future exploration efforts.

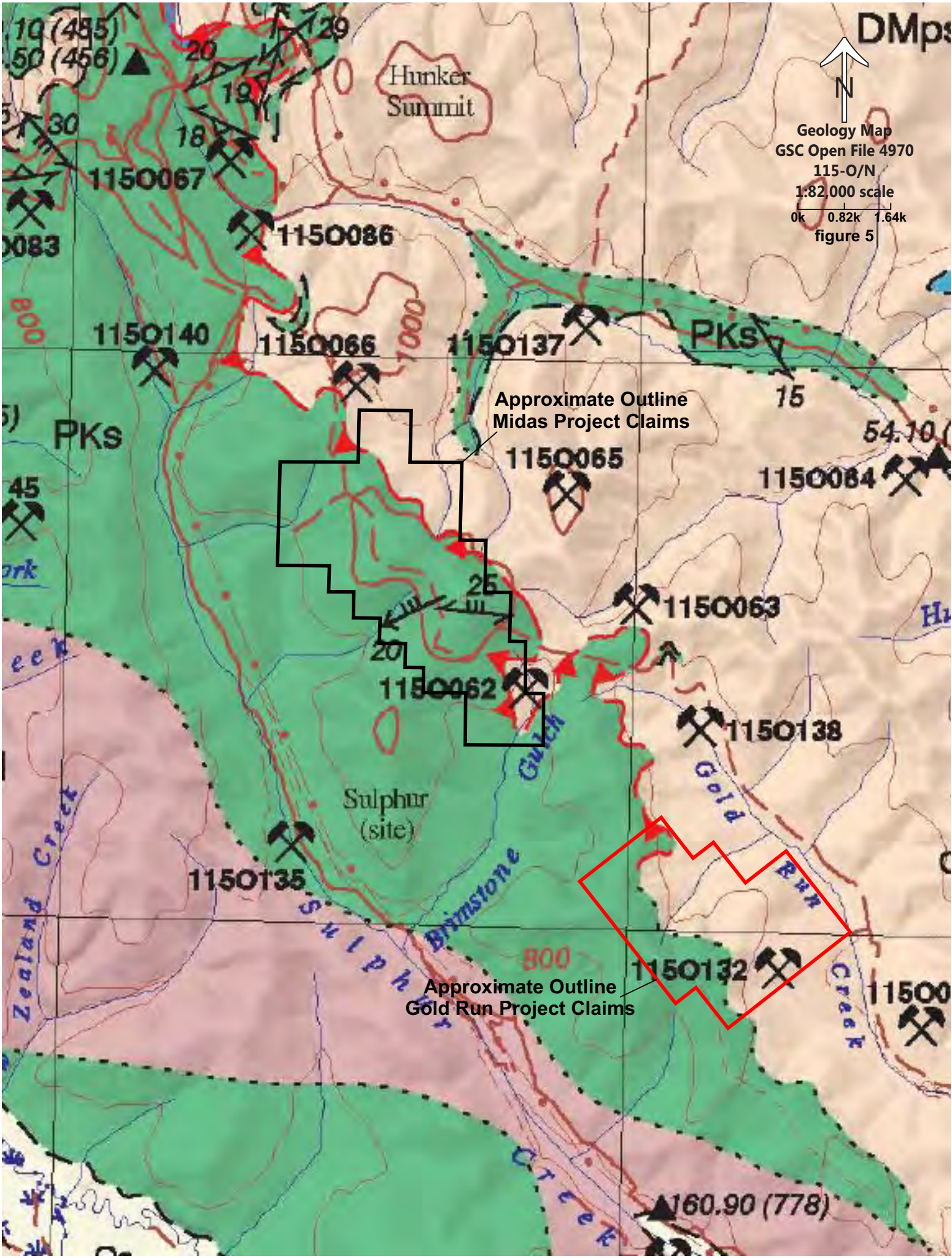
**Geology** – The property is situated on the southwest side of the Tintina Fault, within the Tintina Gold Belt (“TGB”). The TGB has proven to be an under-explored, yet highly prospective belt of rocks, as witnessed by the recent significant discoveries at White Gold, Coffee, and Pogo. The potential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

The property is located in the hanging-wall of a south-west dipping thrust fault that roughly parallels Gold Run Creek. The property overlies a mixed sequence of chlorite-quartz +/- sericite +/- muscovite +/- biotite schist with rare coarse grained amphibolite interbeds. Lithological variations occur on a scale of metres to tens of metres and are a product of differences in original rock-type and differences in alteration.

Two main types of quartz veins are common on the property: foliaform and discordant. Foliaform veins are discontinuous along strike, and range up to 0.3m in thickness. No gold values, visible sulphides or evidence of alteration have been noted in, or associated with, this type of veining. Discordant veins are common within the Laskey Property trenches. These are NW trending, generally vertical, and cross-cut schistosity. They are typically 2 to 10 centimetres in width, thought to be laterally continuous due to apparent continuation between Trenches 07-1 and 07-2 (+/- 50m), and anomalous in gold with values of up to 26.9 ppm Au over 3 centimetres in Trench 07-1. Veins are commonly limonitized and often contain trace amounts of pyrite. A 7 centimetre vein at the north-central portion of Trench 07-3 is cored by an unidentified fine metallic black sulphide, while visible gold was noted in a partially weathered pyrite vug occurring at the margin of a vein located in Trench 07-5 as well as disseminated within sheeted quartz veins in Trench 07-4. Pyritized, carbonatized, silicified and sericitized alteration zones adjacent to these quartz veins are consistently anomalous in gold, with a chip sample of weakly pyritized and iron-carbonate altered schist from Trench 07-3, with no apparent veining, grading 2210 ppb Au over 0.9m. Weak fuchsite alteration was noted in schist adjacent to a narrow gold bearing vein in Trench 07-4. Iron-carbonate alteration and pyritization is discernible for up to 3.0 metres from the margins of single veins, while in areas where several veins occur together, continuous alteration zones at least 20 metres wide have been noted (Trench 07-4).

**Reproducibility** - Exploration work has documented the presence of visible gold, often as 1 millimetre in diameter or larger chunks, within the vein and alteration zones of many of the Klondike hard-rock properties. Little systematic work is available in the public domain to document the characteristics of this coarse gold “problem” specifically as it relates to sampling and assaying in the Klondike.

Work by the author during the 2004 field season at the King Solomon Dome/Hunker Dome/JAE property (AR09479) encountered numerous significant variations highlighted by work at the Hunker Dome Trench, where an interval of 40.67 g/t Au over 0.7 metres of schist was re-sampled and returned 660 ppb Au over the same 0.7 metre interval. Similar problems were noted in samples taken from the Sheba East Trench, where Barramundi (AR 093711, 1996) had identified a quartz vein grading 32 g/t Au, but a subsequent



DMps



Geology Map  
GSC Open File 4970  
115-O/N  
1:82,000 scale  
0k 0.82k 1.64k  
figure 5

Hunker Summit

PKs

Approximate Outline  
Midas Project Claims

PKs

Sulphur  
(site)

Approximate Outline  
Gold Run Project Claims

Zealand Creek

Sulphur  
Brimstone  
Creek

Gold  
Run  
Creek

Creek

1150132

1150135

1150062

1150063

1150084

1150065

1150137

1150066

1150140

1150086

1150067

160.90 (778)

11500

54.10

15

20

25

45

30

18

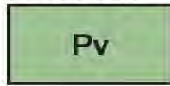
19

29

10 (485)  
50 (456)

**Figure 5A: Geology Legend To Accompany Figure 6 Geology Map**

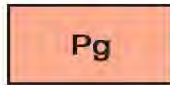
**PERMIAN**



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



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



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



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

**DEVONIAN TO MISSISSIPPIAN**



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

**SYMBOLS**

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

sample of the same vein at the same site (Kreft 2004) returned 280 ppb Au. Similar issues occurred with duplicate splits from the same sample where assay differences of 10 times or more were not uncommon.

Generally, if a sample is altered and/or mineralized, and upon assay contains anomalous gold values (+100 ppb) it will likely need to be subjected to a metallic screen analyses to determine a grade that can be viewed with confidence. Standard fire assay techniques will screen out (remove) large gold pieces (+80 mesh) from a sample prior to analysis. Erratically disseminated free gold just small enough to pass the mesh size on a standard fire assay is a potential cause of variable results from duplicate splits of the same sample. The greatest sample variations appear to be within samples of veins or samples of wall-rock that contain veins, indicating that the vast majority of free gold is associated with veining. Metallic screen assays completed on samples consisting of, or containing, quartz vein material, have consistently returned higher grades than grades returned from regular fire assaying of the same sample. The table below summarizes select assaying methods completed on various samples from the Gold Run Project.

Sample ID	Int.	Initial Assay	Duplicate Split	Interval Re-sample	Metallics Assay	Lithology
2009-3-28	0.09m	4.66 ppm Au	7.24 ppm Au			vein
2009-3-27	0.04m	0.283 ppm Au	0.905 ppm Au			vein
2007-3-09	1.90m	0.704 ppm Au	8.1 ppm Au			vein+wallrock
2009-1-36	0.06m	25.4 ppm Au		15.9 ppm Au		vein
2007-1-05	0.06m	10.4 ppm Au			26.9 ppm Au	vein
2007-1-01	0.30m	7.15 ppm Au	5.95 ppm Au			wallrock
2007-4-01	0.06m	3.79 ppm Au			12.3 ppm Au	vein
2007-5-01	0.08m	0.674 ppm Au		0.565 ppm Au	1.32 ppm Au	vein

**Current Work And Results** - Work during the 2018 field season was conducted during the period June 27<sup>th</sup> to Sept 6<sup>th</sup> 2018, and was designed to provide detailed soil sampling and prospecting coverage in the area of the new gold in soil anomaly discovered by Kestrel at the approximate centre of the property. A total of 6 rocks and 24 soils were gathered. Significant frost was encountered while soil sampling, and many of the samples can be considered B horizon material. Prospecting rock samples were sourced from occasional float exposures as well as small hand dug prospecting pits. Soil sample were collected using hand held augers at an average depth of from 45-70cm. Soil sample sites were marked in the field using flagging inscribed with the sample code and tied to nearby trees or brush, while rock samples were marked in the field by flagging inscribed with the sample code wrapped to rocks representative of the material sampled. Soil sample material was placed in industry standard paper packets while rock samples were placed in industry standard poly sample bags. All samples were analyzed by Bureau Veritas, with soils prepped by SS80 (sieve 100g of soil to -80 mesh), and rocks prepped using PRP70-250 (crush 70% to 10 mesh and pulverize a 250g split). All samples were analyzed using FA430 (30g Au fire assay) and AQ300 (35 element ICP with 0.5g sample size).

Late June fieldwork consisted of an attempt to prospect and sample the area of the new gold in soil anomaly discovered by Kestrel which is located on the north facing slopes in the approximate centre of the property. This work was hindered by widespread frost and no samples were collected.

A second sampling and prospecting attempt was made in this area in early September. Although likely close to peak thaw for this region, there were still significant amounts of permafrost present and many of the soil sample sites yielded predominantly B-horizon material with limited amounts of C-horizon. B-horizon soil material typically contains reduced metal content as compared to C-horizon material.

Results from the early September work episode include the identification of scattered moderate to highly anomalous Zn-Pb-Cu values throughout the area, confirming the presence of the anomalous base metal trend identified by Kestrel in this same area. A minor amount of iron-carbonate altered and quartz veined chlorite schist, similar in nature to the alteration typically found in the area of the Doron trenches was located in a frost heave just downhill from a 0.055 ppm Au soil anomaly.

**Conclusions** – Anomalous base metal values and scattered gold in soil values of up to 0.055ppm were identified by the 2018 fieldwork. These results help to at least partially confirm the presence of historical anomalies reported for this area (Kestrel 2011, and KSL AR094507). Significant frost (likely permafrost) was encountered by this program and further exploration programs in this area will need to be designed with this in mind.

**Recommendations** – Further work is recommended for the Gold Run Project. Much of the historical trench sampling focused on quartz veins and associated iron-carbonate altered haloes while recent work in the Klondike by the author and Klondike Gold Corp has identified significant gold values within schist with no obvious veins or alteration. This recent development suggests the historical Doron Zone trenches should be re-evaluated and possibly resampled especially in areas where significant gold soil anomalies were trenced but no veining was encountered and only limited sampling was completed. Prospecting and trenching to follow up the Kestrel base metal soil anomaly and gold soil anomalies within the Doron, Doron NW, Kentucky West and 2018 work areas is also recommended.



611000

611250

611500

7070250

7070000



115-O-10  
Scale: 1:2,500

**Gold Run Sample Label Map**

Soils (Au ppm)

- 0.000 - 0.010
- 0.011 - 0.019
- 0.020 - 0.030
- 0.031 - 0.049
- 0.050 - 0.055

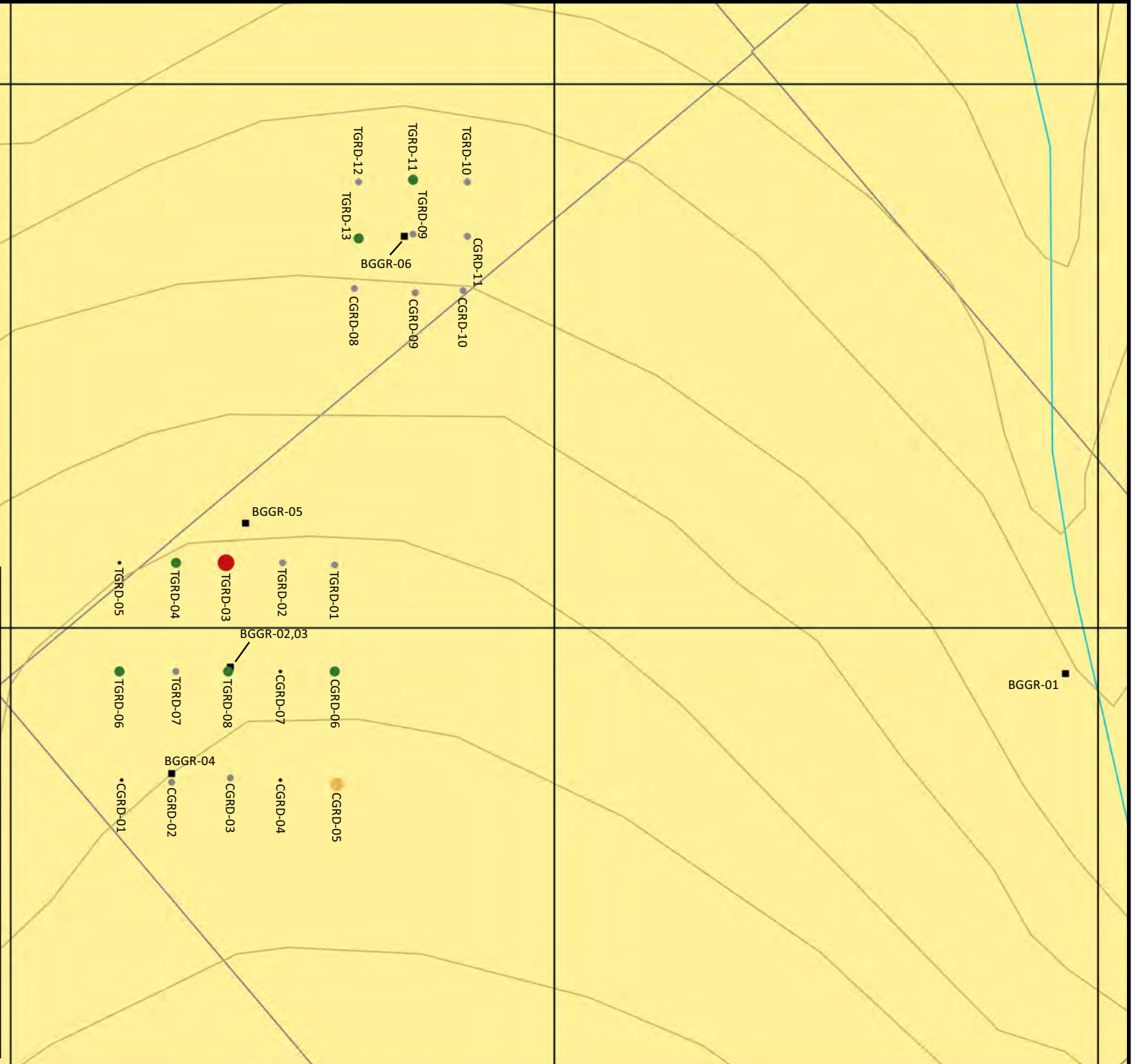
Rocks (Au ppm)

- 0.000 - 0.099
- 0.100 - 0.499
- 0.500 - 1.500

— Gold Run Claim Outline

0 50 100 m

Fig 6





611000

611250

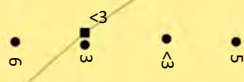
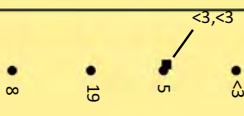
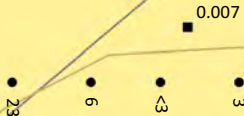
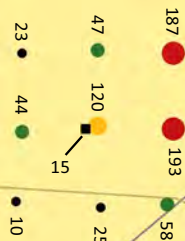
611500

7070250

7070000



115-O-10  
Scale: 1:2,500



**Gold Run Pb Map**

Fig 8

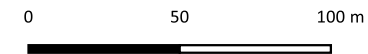
Soils (Pb ppm)

- 0.0 - 39.9
- 40.0 - 89.9
- 90.0 - 149.9
- 150.0 - 193.0

Rocks (Pb ppm)

- 0.0 - 299.9
- 300.0 - 699.9
- 700.0 - 1000.0

Gold Run Claim Outline



## **Statement Of Qualifications**

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

I have over 31 years prospecting experience in the Yukon.

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

This report is based on fieldwork completed during the 2018 field season.

This report is based on fieldwork completed on the GR quartz claims.

Respectfully Submitted,

---

Bernie Kreft

**Statement Of Costs**

Room And Board (4.5 man-days x \$100/day)	=	\$450.00
Sample Analysis 6 rocks and 24 soils 30g Fire Assay and AQ300 icp	=	\$778.74
Wages Bernie Kreft (1.5 days x \$350/day)	=	\$525.00
Wages Jarret Kreft (1.5 days x \$350/day)	=	\$525.00
Wages Justin Kreft (1.5 days x \$350/day)	=	\$525.00
Truck Travel round trip from Whitehorse to property and return 1244km x 0.6/km	=	\$746.40
Report Preparation And Duplication	=	<u>\$2,000.00</u>
	<b>TOTAL</b>	\$5,550.14

### 2018 Gold Run Samples

Sample	Type	NAD83/E	NAD83/N	Description	Au	Cu	Pb	Zn	Ag	Fe	As
BGGR-01	Rock	611485	7069979	float in creek a bit to the south of this pt, lim qtz ppy intrusive	<0.005	1	4	45	<0.3	1.58	6
BGGR-02	Rock	611101	7069982	qtz from pit may be boudin may be vn	0.005	9	<3	26	<0.3	2.41	3
BGGR-03	Rock	611101	7069982	fe-carb alt qtz chlorite schist	0.009	66	<3	85	<0.3	5.7	<2
BGGR-04	Rock	611074	7069929	fe-carb alt qtz chlorite schist from hole dug at site of CGRD-02	0.009	85	<3	76	<0.3	6.06	2
BGGR-05	Rock	611108	7070048	fe-carb alt chlorite schist in landslide area some rare hairline qv's	0.007	64	<3	80	<0.3	4.78	<2
BGGR-06	Rock	611181	7070180	rusty fe-carb alt schist and qtz frags from small pit	<0.005	13	15	97	<0.3	1.62	10

Sample	Type	NAD83/E	NAD83/N	Description	Au	Cu	Pb	Zn	Ag	Fe	As
CGRD-01	Soil	611051	7069930	c-horizon soil	0.006	63	6	70	0.3	3.67	5
CGRD-02	Soil	611074	7069929	c-horizon soil	0.013	90	3	71	0.5	5.07	5
CGRD-03	Soil	611101	7069931	c-horizon soil	0.016	86	<3	75	0.4	4.8	3
CGRD-04	Soil	611124	7069930	c-horizon soil	0.006	64	5	63	0.4	3.81	3
CGRD-05	Soil	611150	7069928	c-horizon soil	0.035	55	9	80	<0.3	3.89	5
CGRD-06	Soil	611149	7069980	c-horizon soil	0.02	83	7	88	0.3	4.33	4
CGRD-07	Soil	611124	7069980	c-horizon soil	0.009	79	<3	78	<0.3	5.12	3
CGRD-08	Soil	611158	7070156	frozen B, possibly some C horizon material	0.013	103	10	236	0.4	3.52	5
CGRD-09	Soil	611186	7070154	frozen B, possibly some C horizon material	0.011	102	25	192	0.5	3.53	4
CGRD-10	Soil	611208	7070155	frozen B, possibly some C horizon material	0.011	73	58	280	0.4	4.15	6
CGRD-11	Soil	611210	7070180	frozen B, possibly some C horizon material	0.011	81	193	308	0.6	3.52	9
TGRD-01	Soil	611149	7070029	c-horizon soil	0.016	107	15	223	0.5	4.87	4
TGRD-02	Soil	611125	7070030	c-horizon soil	0.013	84	3	84	0.3	4.84	3
TGRD-03	Soil	611099	7070030	c-horizon soil	0.055	95	<3	86	<0.3	4.52	2
TGRD-04	Soil	611076	7070030	c-horizon soil	0.022	107	6	303	0.5	4.76	4
TGRD-05	Soil	611050	7070030	c-horizon soil	0.01	52	23	139	<0.3	3.99	5
TGRD-06	Soil	611050	7069980	c-horizon soil	0.03	136	8	587	0.6	5.16	4
TGRD-07	Soil	611076	7069980	c-horizon soil	0.015	101	19	382	0.5	4.62	5
TGRD-08	Soil	611100	7069980	c-horizon soil	0.02	113	5	262	0.4	4.96	4
TGRD-09	Soil	611185	7070181	frozen B, possibly some C horizon material	0.015	58	120	204	0.5	2.71	26
TGRD-10	Soil	611210	7070205	frozen B, possibly some C horizon material	0.011	96	187	261	0.5	3.47	6
TGRD-11	Soil	611185	7070206	frozen B, possibly some C horizon material	0.025	35	47	188	0.3	2.95	32
TGRD-12	Soil	611160	7070205	frozen B, possibly some C horizon material	0.012	73	23	226	0.5	3.22	5
TGRD-13	Soil	611160	7070179	frozen B, possibly some C horizon material	0.024	125	44	330	0.6	3.76	5



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Canada

[www.bureauveritas.com/um](http://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: 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

Page: 2 of 3

Part: 2 of 2

# 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

BGRR-01	Rock	10	<1	0.09	50	0.008	<20	0.73	0.05	0.24	<2	<0.05	<1	<5	<5	<5
BGRR-02	Rock	2	3	0.13	46	<0.001	<20	0.20	<0.01	0.03	<2	<0.05	<1	<5	<5	<5
BGRR-03	Rock	3	14	0.57	78	<0.001	<20	1.24	0.07	0.08	<2	<0.05	<1	<5	<5	19
BGRR-04	Rock	4	9	0.59	93	<0.001	<20	1.11	0.05	0.07	<2	<0.05	<1	<5	<5	11
BGRR-05	Rock	3	11	0.37	111	<0.001	<20	0.75	0.06	0.06	<2	<0.05	<1	<5	<5	13
BGRR-06	Rock	11	7	0.10	143	0.002	<20	0.40	0.02	0.14	<2	<0.05	<1	<5	<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: October 22, 2018

Page: 1 of 2

Part: 1 of 2

# 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																					
BGRR-04	Rock	0.67	0.009	1	85	<3	76	<0.3	17	25	2044	6.06	2	<2	27	<0.5	<3	<3	47	4.41	0.032
REP BGRR-04	QC			1	84	<3	76	0.3	17	25	2040	6.04	2	<2	26	<0.5	<3	<3	47	4.23	0.033
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																					
SCR-12	Rock	1.64	0.007	<1	2	3	2	<0.3	<1	<1	66	0.62	4	17	5	<0.5	<3	<3	<1	0.07	0.002
DUP SCR-12	QC		0.008	1	2	<3	3	<0.3	<1	<1	77	0.67	5	17	5	<0.5	<3	<3	<1	0.08	0.002
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	
		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																
BGRR-04	Rock	4	9	0.59	93	<0.001	<20	1.11	0.05	0.07	<2	<0.05	<1	<5	<5	11
REP BGRR-04	QC	5	10	0.59	91	<0.001	<20	1.10	0.05	0.07	<2	<0.05	<1	<5	<5	11
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																
SCR-12	Rock	32	1	0.03	195	<0.001	<20	0.43	<0.01	0.33	<2	<0.05	<1	<5	<5	<5
DUP SCR-12	QC	33	2	0.03	198	<0.001	<20	0.46	<0.01	0.35	<2	<0.05	<1	<5	<5	<5
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.



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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: October 22, 2018

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# QUALITY CONTROL REPORT

WHI18000906.1

	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
ROCK-WHI	6	2	0.40	57	0.077	<20	0.86	0.07	0.10	<2	<0.05	<1	<5	<5	<5
Prep 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: 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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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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# CERTIFICATE OF ANALYSIS

WHI18000907.1

Method	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

Sample ID	Soil	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
CGRD-01	Soil	20	1.09	123	0.017	<20	1.89	<0.01	0.02	<2	<0.05	<1	<5	<5	6
CGRD-02	Soil	22	1.40	101	0.011	<20	2.17	<0.01	0.01	<2	<0.05	<1	<5	<5	9
CGRD-03	Soil	20	1.61	65	0.008	<20	2.43	<0.01	0.01	<2	<0.05	<1	<5	7	9
CGRD-04	Soil	20	1.15	88	0.014	<20	1.85	<0.01	0.02	<2	<0.05	<1	<5	<5	9
CGRD-05	Soil	15	1.12	89	0.010	<20	1.77	<0.01	0.01	<2	<0.05	<1	<5	<5	8
CGRD-06	Soil	20	1.21	91	0.010	<20	1.98	<0.01	0.02	<2	<0.05	<1	<5	<5	12
CGRD-07	Soil	20	1.08	77	0.005	<20	1.72	<0.01	0.02	<2	<0.05	<1	<5	<5	13





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**Client:** **Kreft, Bernie**  
1 Locust Place  
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**Project:** None Given  
**Report Date:** October 30, 2018

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**Part:** 1 of 2

# CERTIFICATE OF ANALYSIS

WHI18000907.1

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		
CGRD-08	Soil			0.013	<1	103	10	236	0.4	15	18	588	3.52	5	<2	12	2.2	<3	<3	51	0.56	0.067	9
CGRD-09	Soil			0.011	<1	102	25	192	0.5	16	17	3059	3.53	4	<2	16	1.0	<3	<3	52	0.72	0.055	8
CGRD-10	Soil			0.011	<1	73	58	280	0.4	12	15	839	4.15	6	<2	11	0.8	<3	<3	53	0.45	0.052	7
CGRD-11	Soil			0.011	<1	81	193	308	0.6	12	11	456	3.52	9	3	12	0.8	<3	<3	48	0.40	0.067	11
TGRD-01	Soil			0.016	<1	107	15	223	0.5	17	17	763	4.87	4	<2	10	1.0	<3	<3	69	0.34	0.055	6
TGRD-02	Soil			0.013	<1	84	3	84	0.3	19	20	846	4.84	3	2	9	<0.5	<3	<3	60	0.56	0.059	4
TGRD-03	Soil			0.055	<1	95	<3	86	<0.3	20	21	1013	4.52	2	<2	10	<0.5	<3	<3	63	0.79	0.063	4
TGRD-04	Soil			0.022	<1	107	6	303	0.5	17	17	748	4.76	4	2	10	1.9	<3	<3	62	0.67	0.058	6
TGRD-05	Soil			0.010	<1	52	23	139	<0.3	21	18	926	3.99	5	3	12	0.6	<3	<3	53	0.61	0.058	10
TGRD-06	Soil			0.030	1	136	8	587	0.6	13	17	693	5.16	4	2	6	3.0	<3	<3	66	0.39	0.064	5
TGRD-07	Soil			0.015	1	101	19	382	0.5	11	16	823	4.62	5	3	10	2.2	<3	<3	52	0.50	0.056	7
TGRD-08	Soil			0.020	<1	113	5	262	0.4	17	21	788	4.96	4	<2	7	1.7	<3	<3	58	0.72	0.074	5
TGRD-09	Soil			0.015	<1	58	120	204	0.5	15	8	316	2.71	26	5	9	1.7	<3	<3	28	0.29	0.075	21
TGRD-10	Soil			0.011	<1	96	187	261	0.5	16	13	540	3.47	6	3	14	0.8	<3	<3	49	0.38	0.056	10
TGRD-11	Soil			0.025	<1	35	47	188	0.3	27	10	740	2.95	32	6	9	1.2	<3	<3	29	0.39	0.087	14
TGRD-12	Soil			0.012	<1	73	23	226	0.5	14	14	614	3.22	5	<2	12	0.7	<3	<3	50	0.41	0.052	10
TGRD-13	Soil			0.024	<1	125	44	330	0.6	17	15	590	3.76	5	<2	12	1.5	<3	<3	60	0.37	0.052	11



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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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# 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	
CGRD-08	Soil	14	1.16	197	0.021	<20	1.71	<0.01	0.02	<2	<0.05	<1	<5	<5	
CGRD-09	Soil	16	1.11	324	0.016	<20	1.75	<0.01	0.02	<2	<0.05	<1	<5	<5	
CGRD-10	Soil	12	1.25	227	0.014	<20	1.82	<0.01	0.02	<2	<0.05	<1	<5	<5	
CGRD-11	Soil	13	1.07	310	0.017	<20	1.57	<0.01	0.04	<2	<0.05	<1	<5	<5	
TGRD-01	Soil	17	1.51	139	0.017	<20	2.23	<0.01	0.02	<2	<0.05	<1	<5	6	
TGRD-02	Soil	20	1.26	64	0.006	<20	1.98	<0.01	0.01	<2	<0.05	<1	<5	5	
TGRD-03	Soil	21	1.38	89	0.006	<20	2.15	<0.01	0.01	<2	<0.05	<1	<5	7	
TGRD-04	Soil	16	1.43	81	0.008	<20	2.23	<0.01	0.02	<2	<0.05	<1	<5	7	
TGRD-05	Soil	19	0.99	173	0.013	<20	1.69	<0.01	0.03	<2	<0.05	<1	<5	6	
TGRD-06	Soil	14	1.55	53	0.004	<20	2.26	<0.01	0.01	<2	<0.05	<1	<5	7	
TGRD-07	Soil	14	1.41	83	0.004	<20	2.08	<0.01	0.01	<2	<0.05	<1	<5	6	
TGRD-08	Soil	17	1.39	42	0.004	<20	2.11	<0.01	0.02	<2	<0.05	<1	<5	7	
TGRD-09	Soil	8	0.65	240	0.008	<20	0.93	<0.01	0.04	<2	<0.05	<1	<5	<5	
TGRD-10	Soil	14	1.01	547	0.018	<20	1.62	<0.01	0.02	<2	<0.05	<1	<5	<5	
TGRD-11	Soil	18	0.52	157	0.013	<20	0.89	<0.01	0.07	<2	<0.05	<1	<5	<5	
TGRD-12	Soil	16	1.08	222	0.021	<20	1.68	<0.01	0.02	<2	<0.05	<1	<5	5	
TGRD-13	Soil	15	1.35	364	0.022	<20	2.00	<0.01	0.02	<2	<0.05	<1	<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
TGRD-06	Soil	0.030	1	136	8	587	0.6	13	17	693	5.16	4	2	6	3.0	<3	<3	66	0.39	0.064	5
REP TGRD-06	QC		1	134	8	576	0.6	14	17	688	5.12	4	2	6	2.7	<3	<3	64	0.38	0.065	5
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																			



# QUALITY CONTROL REPORT

WHI18000907.1

Method	Analyte	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
MDL		1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
Pulp Duplicates															
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
TGRD-06	Soil	14	1.55	53	0.004	<20	2.26	<0.01	0.01	<2	<0.05	<1	<5	7	11
REP TGRD-06	QC	14	1.52	53	0.004	<20	2.20	<0.01	0.01	<2	<0.05	<1	<5	7	11
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	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														