

2017 Field Season
Geochemical Sampling And Prospecting Report
On The
McKinnon Property

Claims
Glow 1-24

Located In
Dawson Mining District

On
NTS 115-O-11
63° 42' north and 139° 8' west

By
Bernie Kreft
December 28th, 2017

Table Of Contents

| | |
|------------------------------------|-----------------|
| Location | Page 1 |
| Access | Page 1 |
| Topography And Vegetation | Page 1 |
| Claims And Land Status | Page 1 |
| Claim Status Table | Page 1 |
| History And Previous Work | Page 1 |
| Yukon Map (figure 1) | Page 2 |
| Regional Map (figure 2) | Page 3 |
| Claim Map (figure 3) | Page 4 |
| Geology Metallogeny Mineralization | Page 6 |
| Geology Map (figure 4) | Page 7 |
| Geology Map Legend (figure 4A) | Page 8 |
| Airborne Geophysical Data | Page 9 |
| FVD Overview Map (figure 5) | Page 10 |
| Potassium Detail Map (figure 6) | Page 11 |
| FVD Detail Map (figure 7) | Page 12 |
| RTF Detail Map (figure 8) | Page 13 |
| Current Work And Results | Page 14 |
| Conclusions | Page 14 |
| Recommendations | Page 14 |
| Sample Labels Map (figure 9) | Page 15 |
| Gold Value Map (figure 10) | Page 16 |
| Rock Sample Table | Page 17 |
| Soil Sample Table | Pages 18 and 19 |
| Statement Of Qualifications | Page 20 |
| Statement Of Costs | Page 21 |
| Assay Sheets | At Back |

Location – The McKinnon Project is located in the Dawson Mining District on NTS mapsheet 115-O-11 southwest of the Indian River and paralleling the central portion of McKinnon Creek, at approximately 63° 42’ north and 139° 8’ west.

Access – Access was achieved by helicopter from Dawson City a one-way distance of approximately 43 kilometres which results in an approximate 20 minute one-way flight. An old poor quality bulldozer road extends from the Indian River placer workings up McKinnon Creek to the old hardrock workings of the McKinnon Brothers.

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 exposure is extremely limited with the effects of surface weathering extending to depths of as much as 80 metres or more. Overburden and regolithic material averages about 1.0 metre which allows for effective soil sampling (via hand held augers) and hand trenching in most 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 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, at higher elevations and in areas of permafrost. Much of the project area was burnt by a recent forest fire, which destroyed moss cover in many areas, with the effect of providing somewhat more bedrock exposure than is typically present in the Dawson area.

Claims And Land Status – Numerous quartz claims were staked in the area during the White Gold staking rush and subsequent exploration “boom” that followed. Many of these claims have since lapsed and much of the area is open Crown Land. The project is located within Trondek Hwichin (Dawson) traditional territory, with no active First Nation land claim blocks in the immediate area of the project.

The Project is comprised of the Glow 1-24 claims, with claim data found on the following table:

| Grant | Claim | Number | Owner | Expiry D/M/Y | Map | Project Area |
|----------------|-------|---------|---------------|--------------|--------|--------------|
| YE78841 to 844 | Glow | 1 to 4 | Bernard Kreft | 14/11/2020 | 115O11 | McKinnon |
| YE78801 to 820 | Glow | 5 to 24 | Bernard Kreft | 14/11/2020 | 115O11 | McKinnon |

History And Previous Work – Hardrock exploration efforts in the area date back to early 1899 when the McKinnon brothers, Donald and Archibald, first discovered gold in the area. Over an approximate 20 year period they sank a total of 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, and a small mill was erected on the McKinnon 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 McKinnon Property (currently covered by the Glow 1-24 claims), 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 McKinnon Property. Geology consists of a conglomerate unit, intruded and overlain by andesite and rhyolite dykes and flows, sitting on a bed of Nasina series schist. Although rock sampling failed



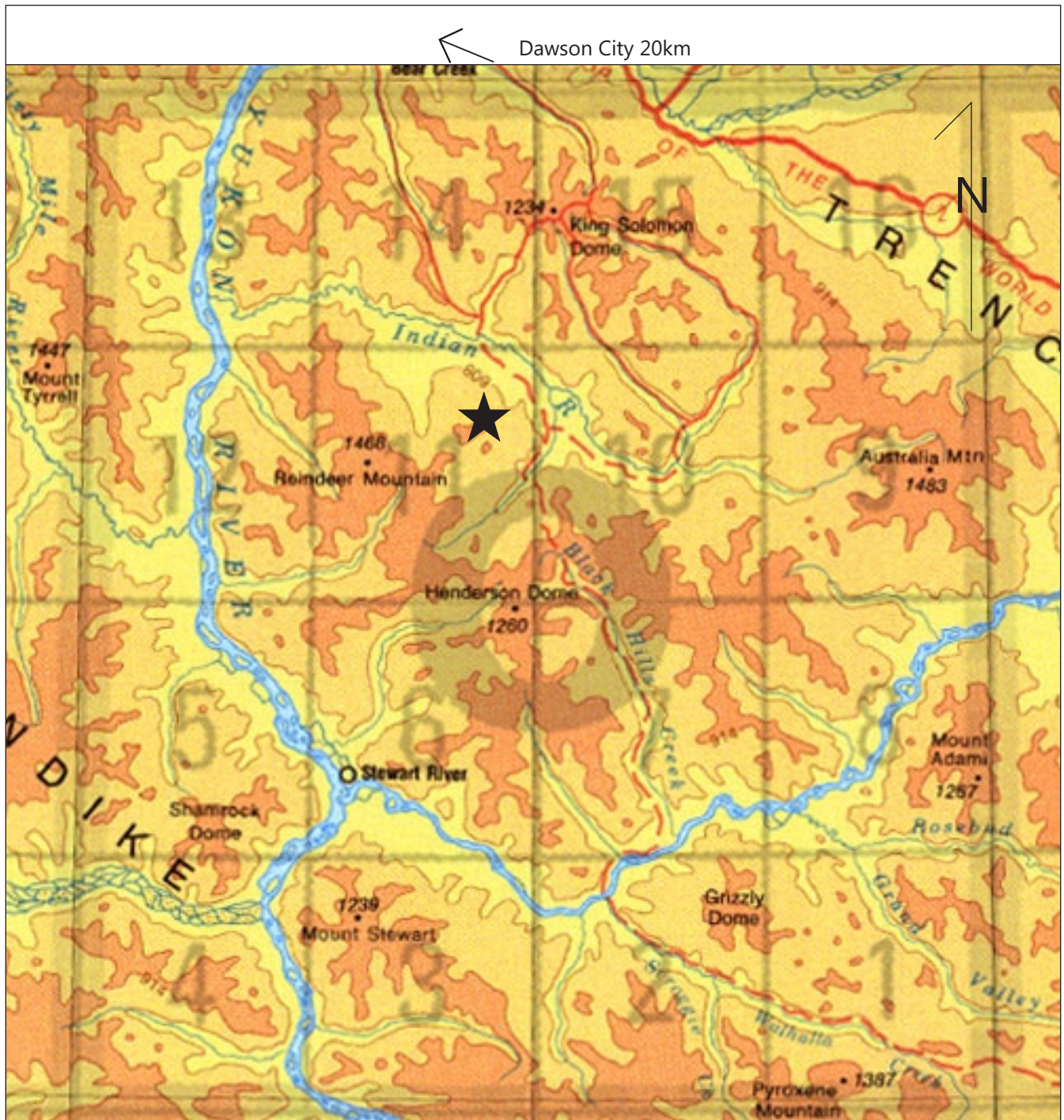
McKinnon Project ★

To Accompany: 2017 McKinnon Report

December 28th, 2017

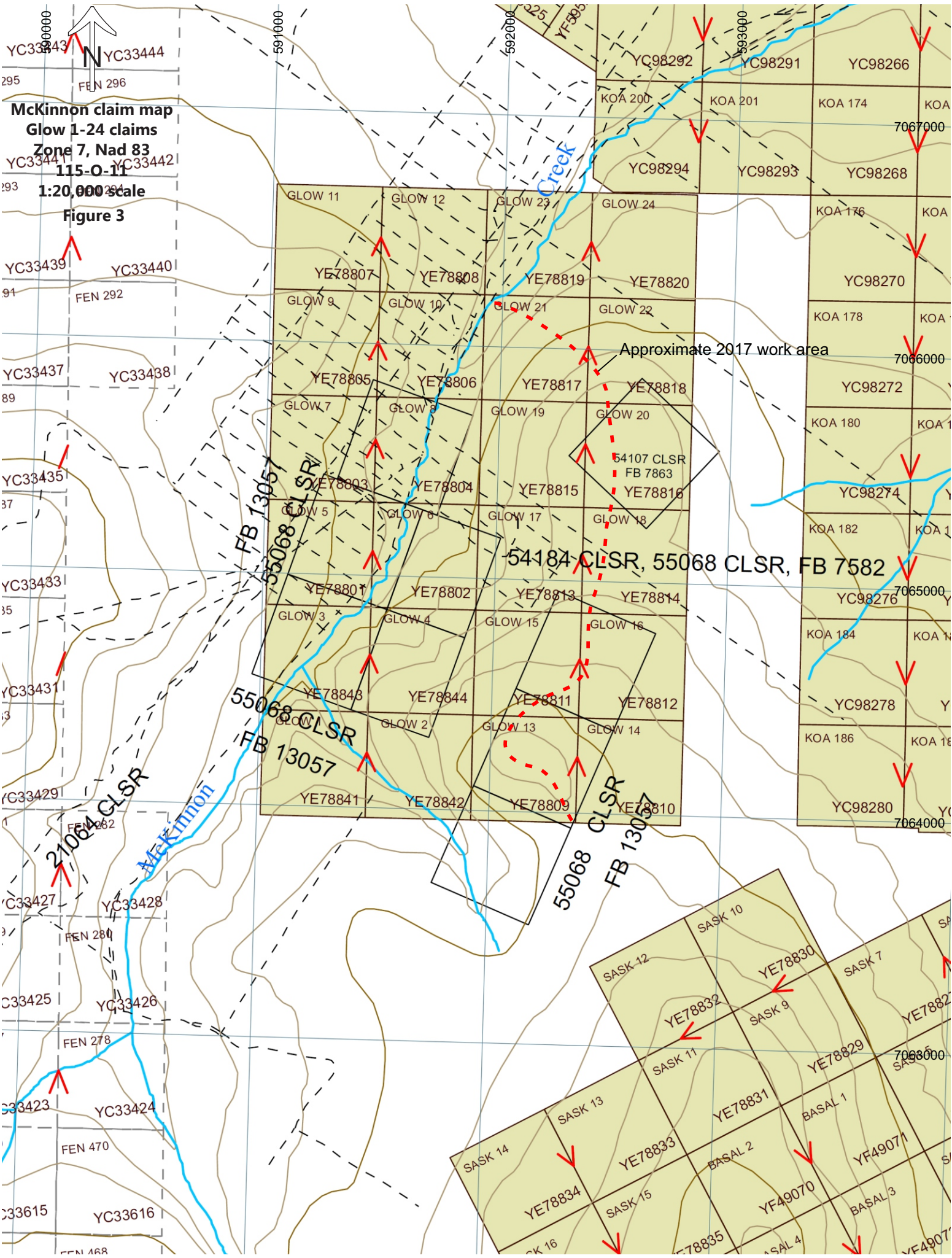
By: Bernie Kreft

Figure 1



Regional Map - McKinnon Project ★
figure 2

Scale approx. 1:600,000



YC33443
 FEN 296
McKinnon claim map
Glow 1-24 claims
Zone 7, Nad 83
 YC33441 YC33442
115-O-11
 293
1:20,000 scale
Figure 3

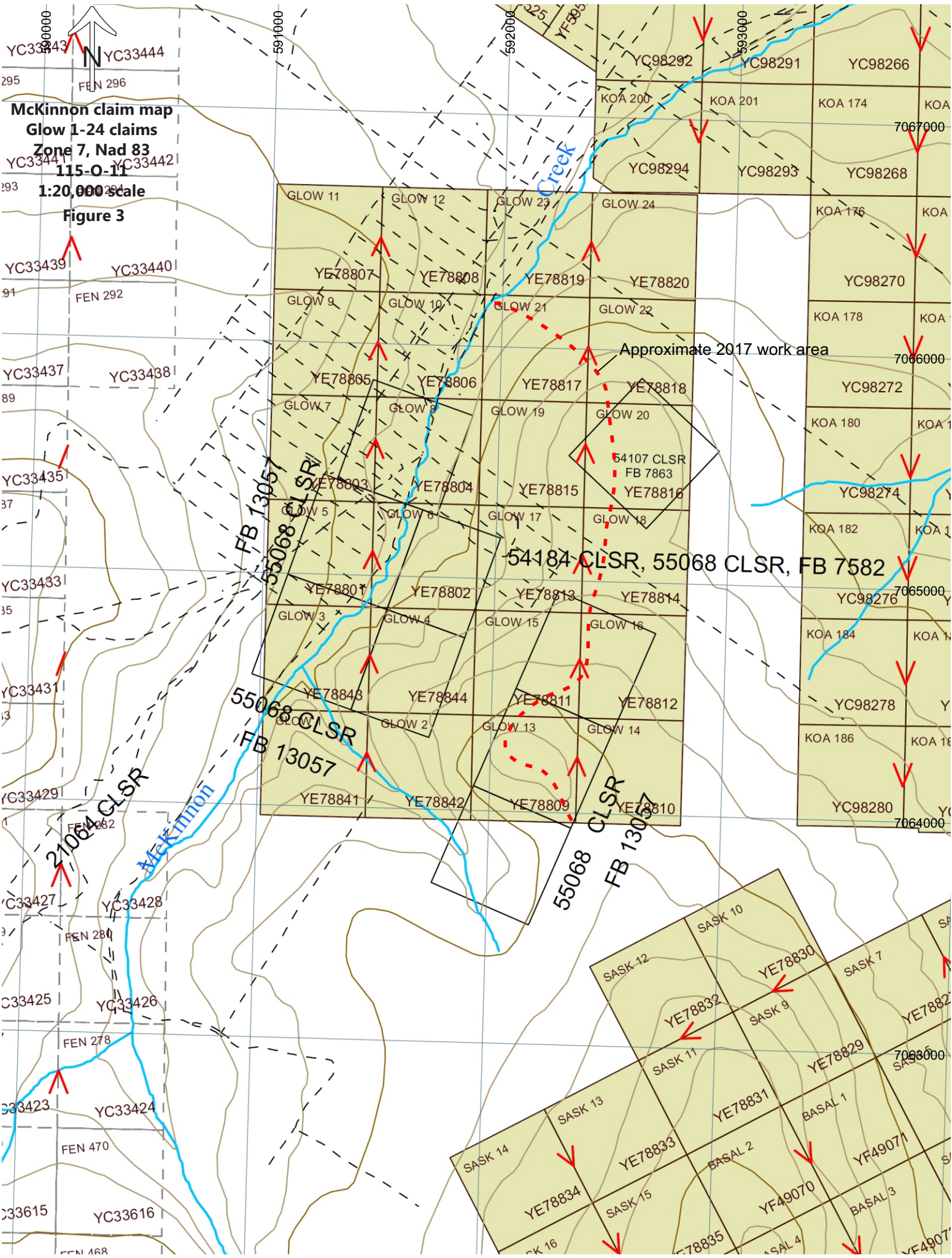
Approximate 2017 work area

54184 CLSR, 55068 CLSR, FB 7582

55068 CLSR
FB 13057

55068 CLSR
FB 13057

21064 CLSR



YC33443
 FEN 296
McKinnon claim map
Glow 1-24 claims
Zone 7, Nad 83
 YC33441 YC33442
115-O-11
 293
1:20,000 scale
Figure 3

Approximate 2017 work area

54184 CLSR, 55068 CLSR, FB 7582

55068 CLSR
FB 13057

55068 CLSR
FB 13057

21064 CLSR

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 McKinnon Creek.

AR 061474 – Don Tully p.Eng for Yukon Revenue Mines – 1973 – Exploration on the McKinnon Property returned grab samples of conglomerate with up to 0.07 oz/ton Au while silicification and a potential fault zone along McKinnon 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 McKinnon 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 McKinnon 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 designed to locate a basal-type uranium deposit, with limited exploration for epithermal precious metals also completed. Work was conducted in the area south of Haystack Mountain and consisted of mapping, aeromagnetic interpretation, scintilometer 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 basement structure. 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 McKinnon Creek conglomerates in the area of the McKinnon Property in an effort to ascertain whether the gold bearing 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 concluded that the faulting and 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 McKinnon 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 low-grade 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 McKinnon Property showings, specifically the potential for the conglomerates to host epithermal style precious metals mineralization. Drilling encountered numerous intersections of weakly anomalous gold with a program high of 0.195 g/t Au over 24 feet from an interval consisting of intensely argillic altered and brecciated limonitic quartz pebble conglomerate in contact with a similarly altered and brecciated felsic volcanic 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 McKinnon 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 (McKinnon 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 characterized as a low sulphidation precious metals enriched epithermal system.

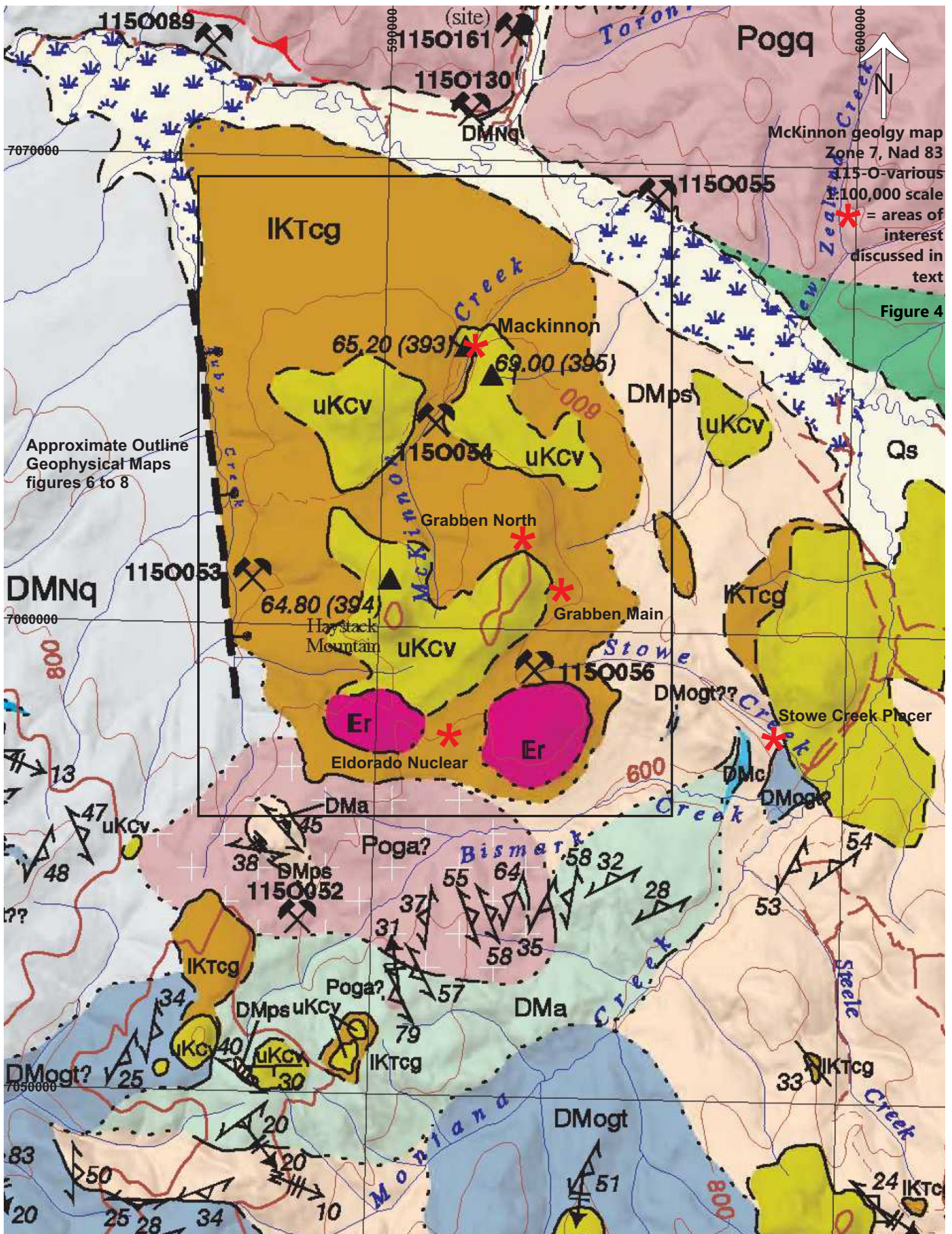
2009 – Minconsult for Westar Resources – A limited soil sampling program consisting of two parallel soil lines totalling 167 samples was completed approximately 3 kilometres southeast of the McKinnon Property. Results show numerous moderate to highly anomalous gold values of up to 70 ppb along with highly anomalous arsenic values of up to 240 ppm found clustered in two areas northeast 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, one in the general vicinity of the Westar anomalies and one east of Haystack Mountain. No follow up work appears to have been conducted.

2016 – Kreft and Sons – A YMIP funded grassroots prospecting program focusing on the Taku (Grabben Main) and Westar (Grabben North) anomalies confirmed and significantly expanded the reported soil anomalies. At Grabben Main values of up to 62.4 ppm Ag, 7,911.7 ppb Au, >10,000 ppm 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 810 ppm Ag, 4,362 ppm Au, >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. At Grabben North a grab sample of a quartz limonite vein with dark patches cutting mudstone with dark patches and mineralized with trace disseminated pyrite returned 20.6 ppm Ag, 189.8 ppb Au, 8,484.9 ppm As, 196.1 ppm Pb, 98.3 ppm Sb and 113 ppm Bi.

This historical exploration data shows that significant amounts of advanced work such as drilling, trenching and bulk-sampling have been completed within the project area, with the vast majority of this work focused on the economic potential of the conglomerate units located in the vicinity of the McKinnon showing. Although fine gold has been reported in the conglomerate by numerous operators, assaying has returned only weakly anomalous values of up to 0.195 g/t Au over a 24 foot drill intersection consisting of quartz pebble conglomerate. Significant precious metals values of up to 7,917 ppb Au and 810 ppm Ag have been returned from later vein and shear hosted intrusive related mineralization cutting all lithologies.

Geology Metallogeny And Mineralization – Based on information contained in the various publically available assessment reports, academic studies, government mapping efforts and results of the 2016-17 field seasons, the geological setting of the McKinnon Project is thought to consist of a graben filled with presumed early Cretaceous Indian River Group clastic sedimentary rocks comprised predominantly of conglomerates and sandstones intruded and overlain by late Cretaceous presumably Carmacks Group (age dates of 64.8 to 69 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 basement structure within the bounding Nasina series schists and gneisses. The outline of this presumed graben complex highlights well using the first vertical derivative (“FVD”) aeromagnetic map from



**Geological Legend to accompany
2017 Kreft McKinnon Report
Fig 4a**

| | | | |
|-----------|--------------------------------|------------------------|---|
| CENOZOIC | QUATERNARY | Qs | Fluvial silt, sand and gravel |
| | | Qb | Basalt |
| CENOZOIC | TERTIARY EOCENE | Er | PORPHYRY: Smokey quartz and K-feldspar phyric rhyolite to rhyodacite stocks and dykes, and possible rare flows |
| | | | |
| MESOZOIC | CRETACEOUS UPPER CRETACEOUS | uKcv | CARMACKS GROUP: rhyodacite and dacite, commonly biotite and hornblende phyric, dominated by lesser andesite and basalt; minor rhyolite |
| | MID?-CRETACEOUS | Kg Kgd | GRANITE/GRANODIORITE: Kg, pink to grey, locally porphyritic syenogranite to monzogranite plutons and dykes; Kgd, biotite-hornblende bearing granodiorite, locally foliated |
| | LOWER CRETACEOUS | IKTcg | TANTALUS(?) FORMATION: clast-supported pebble to cobble conglomerate with clasts of vein quartz and foliated quartzite |
| | PERMIAN | Pogg Pogg Poga Pogt | 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; Pogg, 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). |
| | | | |
| PALEOZOIC | DEVONIAN TO MISSISSIPPIAN | DMNq DMNI | NASINA ASSEMBLAGE: DMNq, fine-grained, dark-grey to black carbonaceous quartzite and metapelite; DMNI, marble |
| | | DMogg DMoga DMogt | ORTHOGNEISS (OLDER, 363-343 Ma): DMog, undivided orthogneiss; DMogg, pink to orange K-feldspar rich, granitic orthogneiss, commonly with biotite, banded to layered, commonly includes or associated with DMoga; DMoga, mainly K-feldspar augen orthogneiss, commonly includes or associated with DMogg; DMogt, mainly tonalitic or intermediate to mafic orthogneiss, generally grey, banded to layered, commonly veined; commonly interlayered with amphibolite schist and gneiss, biotite and/or hornblende bearing; ?-age assignment probable, ??-age assignment assumed (alternatively could be part of Pog) |
| | | DMogta | Undivided DMogt (ORTHOGNEISS (OLDER)) and DMA (AMPHIBOLITE) |
| | | DMA | AMPHIBOLITE. amphibolite schist and gneiss, metabasite, probably derived from mafic to intermediate volcanic or volcanoclastic rocks; locally associated with psammite or interlayered with orthogneiss |
| | | DMm | MAFIC SCHIST: biotite-hornblende +/- plagioclase +/- quartz metabasite?; generally associated with amphibolite; main locality on Thistle Mountain |
| | | DMc | MARBLE: marble (metacarbonate) derived from pure to impure limestone; associated calc-silicate schist derived from calcareous metapelite |
| | | DMps | 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 |
| | | | |

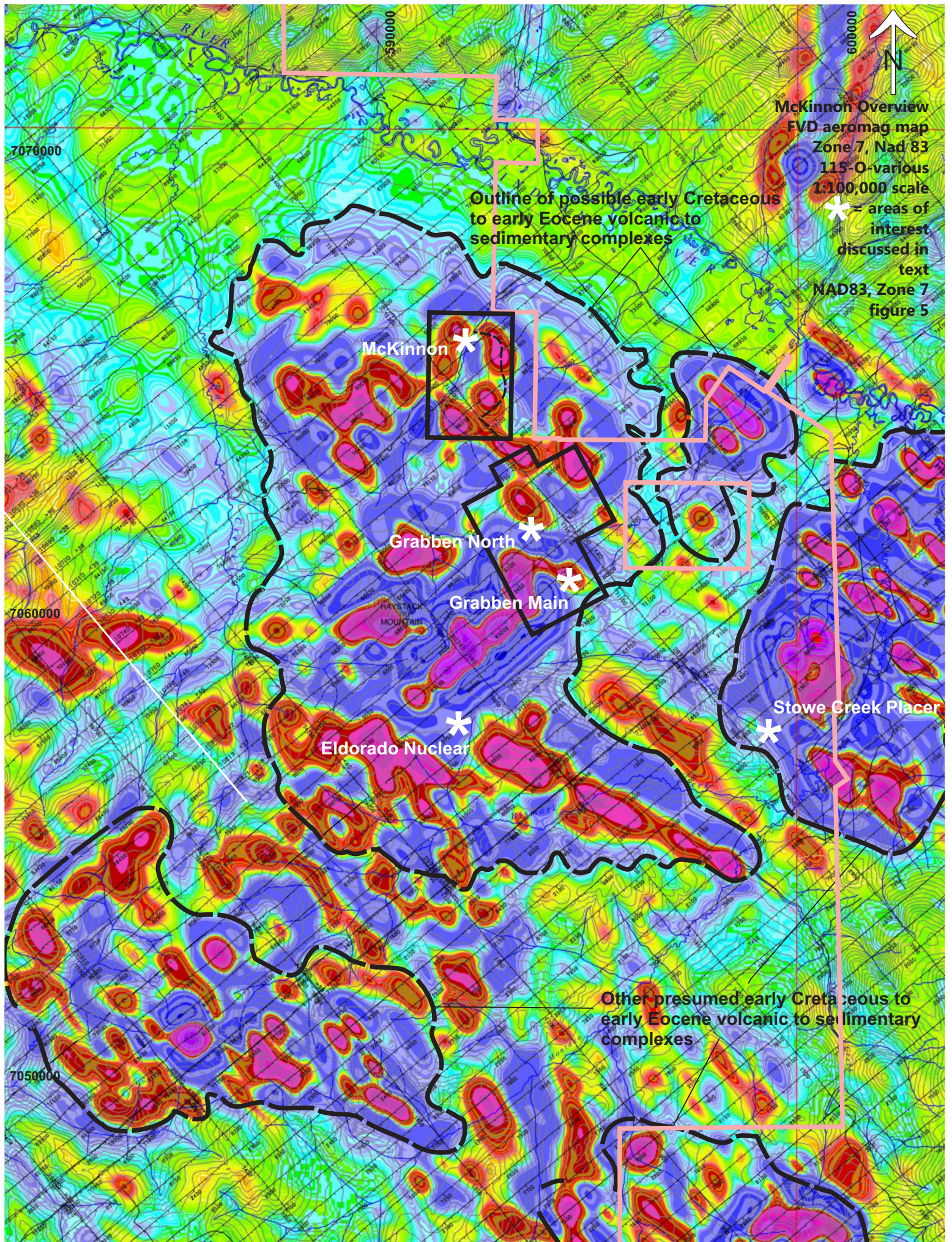
the Stewart River regional multi-parameter airborne geophysical survey. As can be seen from the FVD overview map accompanying this report, the Grabben Gold complex is one of several presumed complexes within the immediate area.

The Carmacks Group is an approximate 72-64 Ma 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) or possibly representing late stage Casino Suite (79-74 Ma) activity. These intrusive suites are broadly correlative with the metallogenically significant Bulkley Suite intrusives located in central BC. Bulkley Suite (88-70 Ma) intrusives are 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. 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 McKinnon 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 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



McKinnon 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 of possible early Cretaceous
to early Eocene volcanic to
sedimentary complexes

McKinnon *

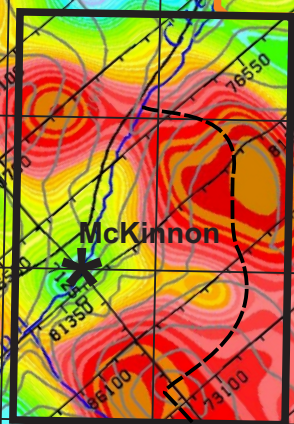
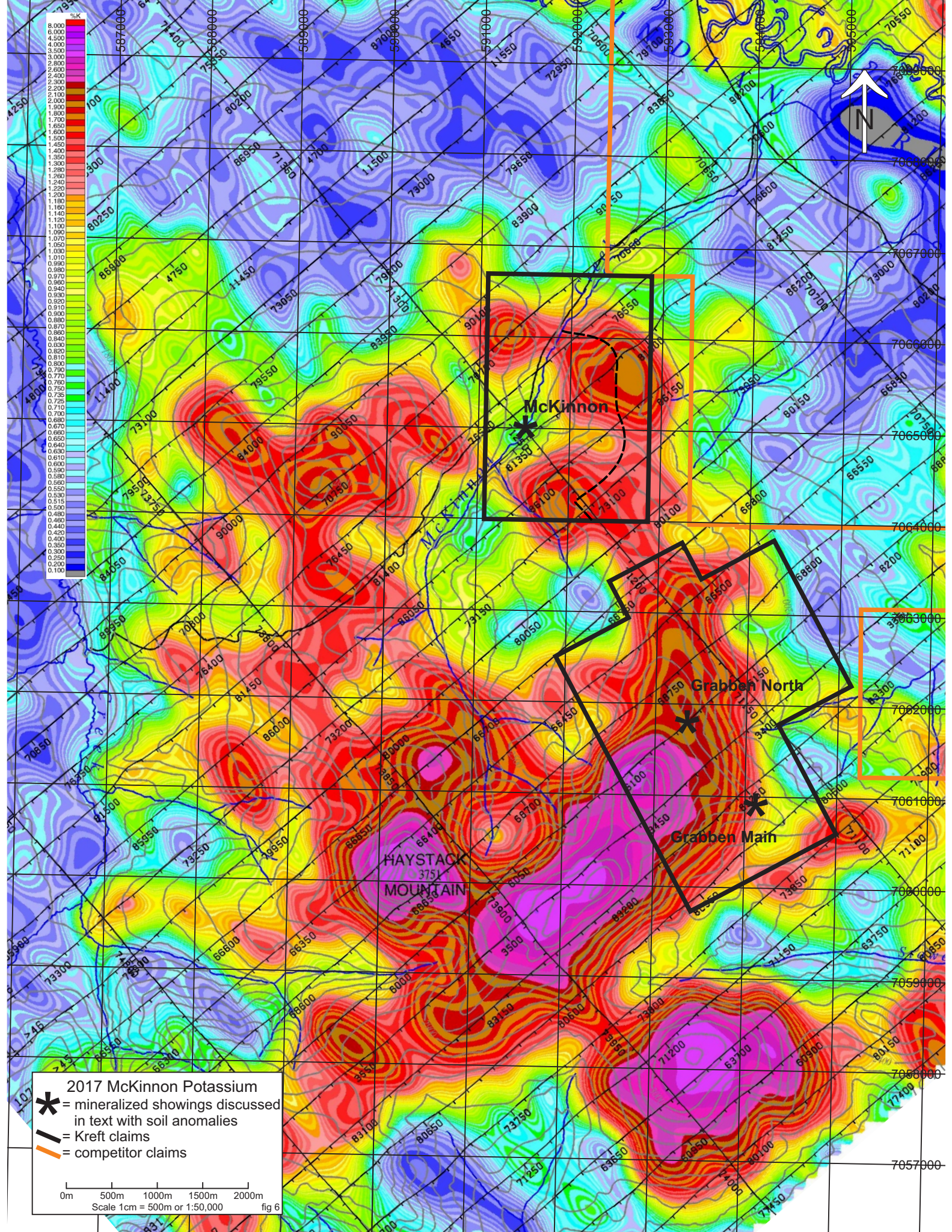
Grabben North *

Grabben Main *

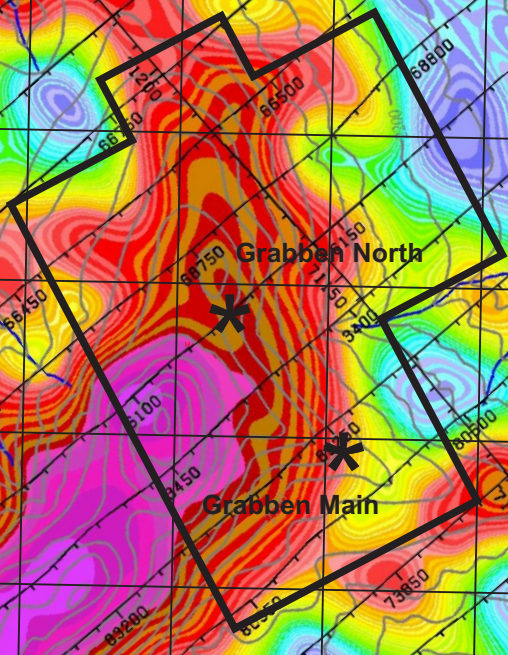
Eldorado Nuclear *

Stowe Creek Placer *

Other presumed early Cretaceous to
early Eocene volcanic to sedimentary
complexes



McKinnon



Grabben North

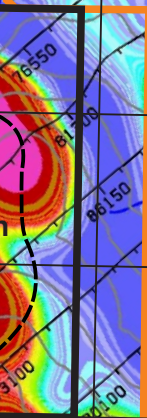
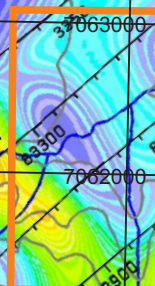
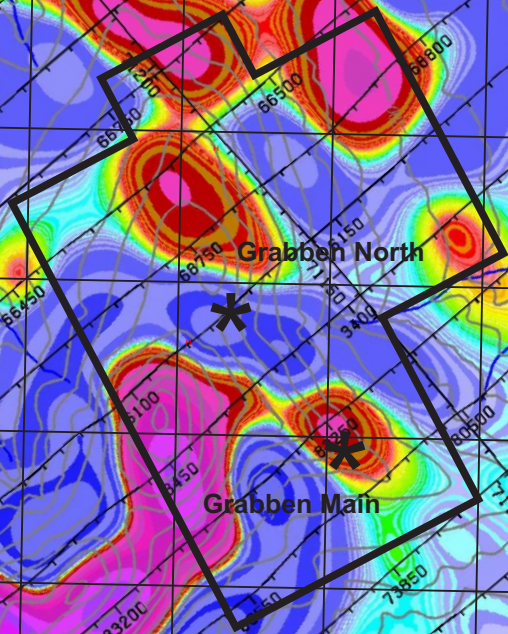
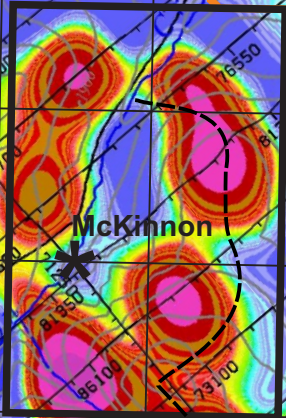
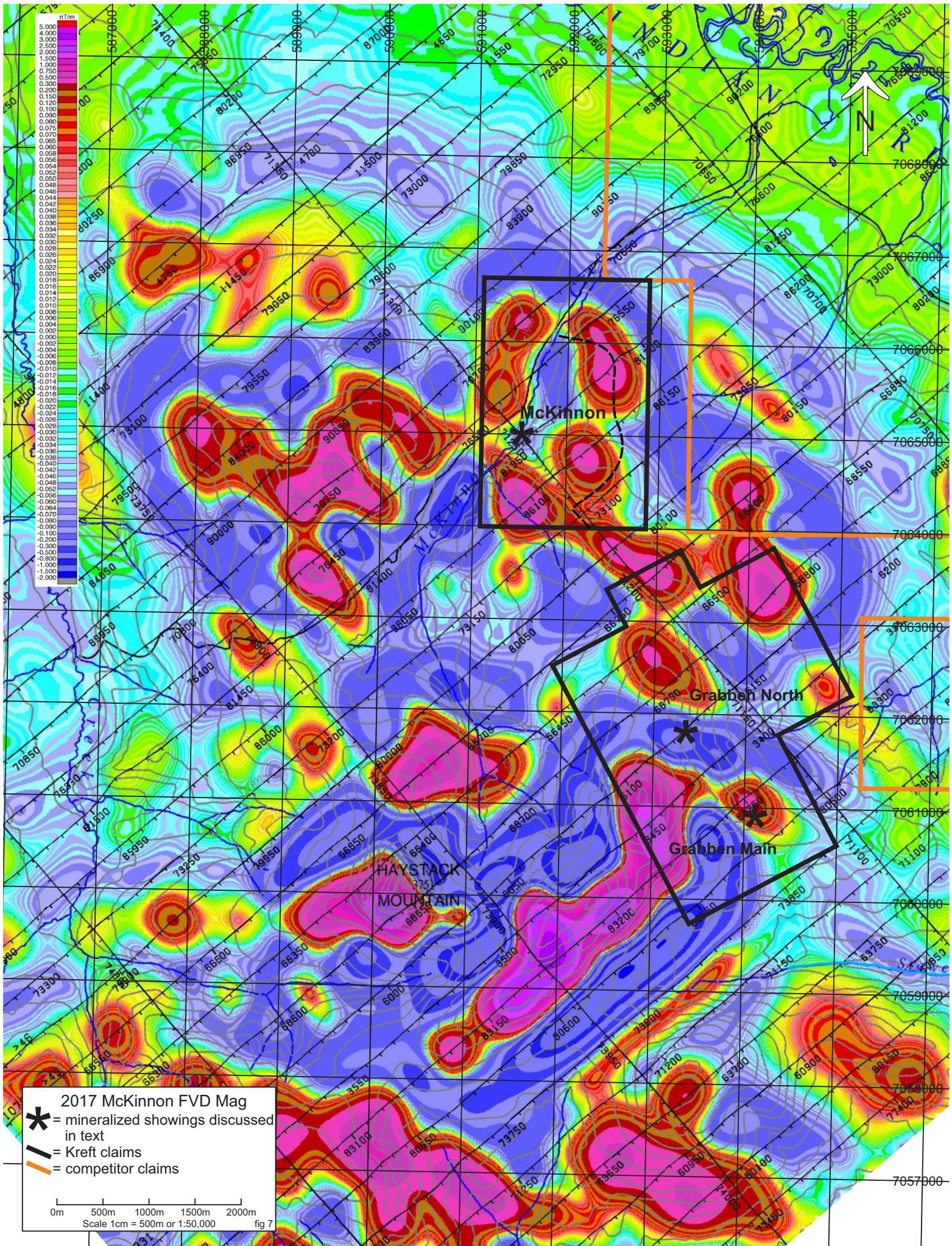
Grabben Main

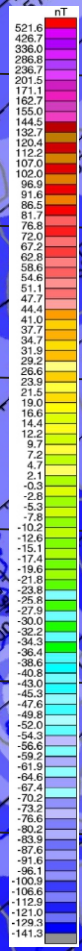
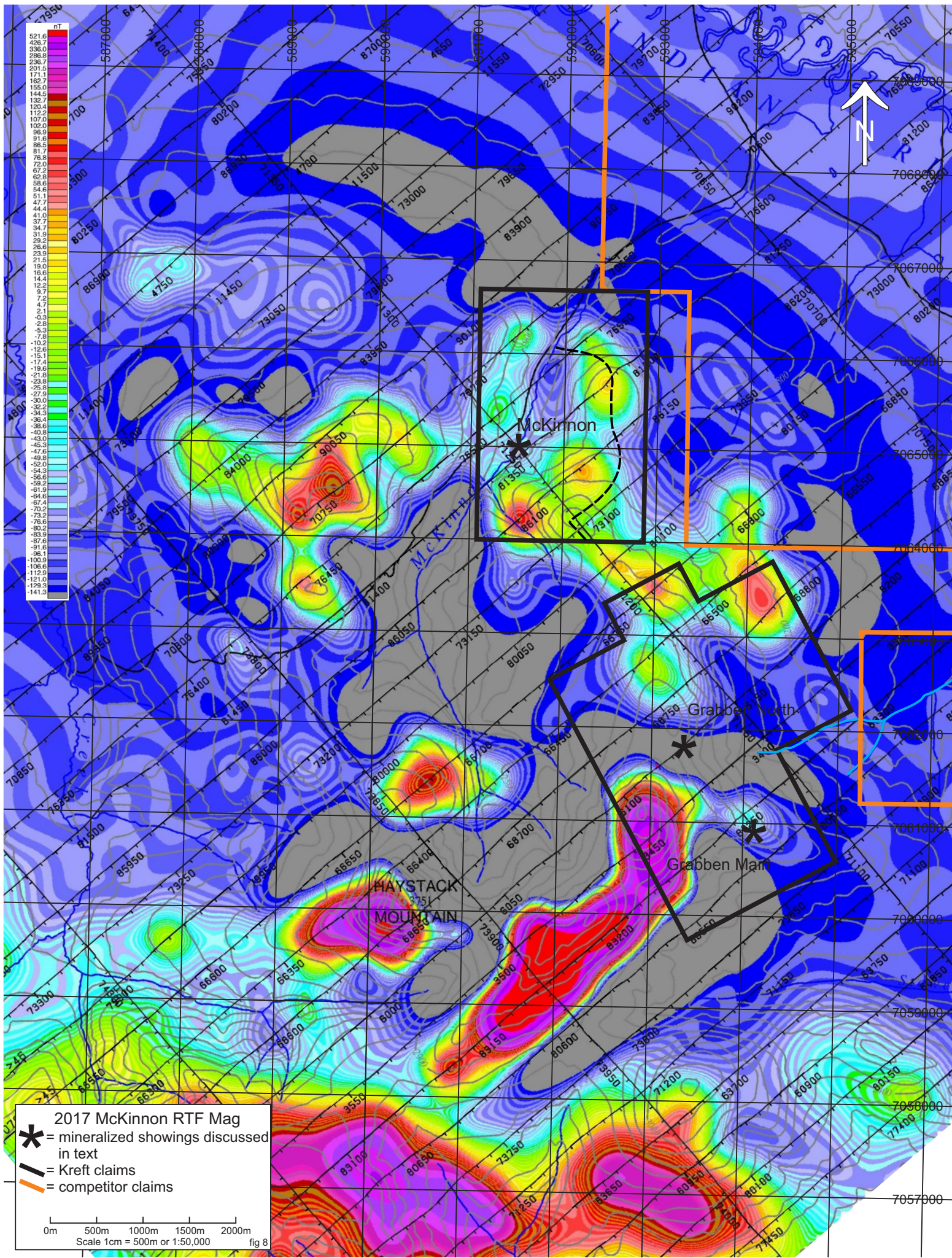
HAYSTACK MOUNTAIN
375

2017 McKinnon Potassium

- * = mineralized showings discussed in text with soil anomalies
- = Krefl claims
- = competitor claims

0m 500m 1000m 1500m 2000m
Scale 1cm = 500m or 1:50,000 fig 6





2017 McKinnon RTF Mag

* = mineralized showings discussed in text

— = Krefit claims

— = competitor claims

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

expression or perhaps sediments metasomatically altered by intrusive activity. Ultimately the data contained in Open File 3992 will prove of great value when used in conjunction with a field mapping project.

Current Work And Results – The 2017 field program on the McKinnon project consisted of prospecting and sampling, yielding a total of 60 soil samples and 10 rock samples. The majority of soil samples were taken from the C horizon except at a few sites where overburden depths or the presence of frost necessitated the sampling of B horizon material. Rock samples were sourced from occasional bedrock exposures as well as small hand dug pits. Sample sites were marked in the field using flagging inscribed with the sample code, with the soil samples placed in industry standard soil sample envelopes and the 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).

Geology within the area prospected is predominantly sedimentary in nature and consists of mudstone, fine to coarse sandstone, and pebble conglomerate ranging from polymictic to quartz dominant with matrix through to clast supported varieties. Intruding the sedimentary units are quartz biotite andesite or intermediate intrusive bodies, likely existing as small plugs, and varying from massive and relatively fresh or unaltered generally away from contacts, gradational to variably limonitic bleached and fractured or brecciated as the presumed contact with the sedimentary units is approached. Most sedimentary units are typically weakly hornfelsed and variably silicified. The effects of faulting, including fracturing and brecciation, have been noted in fine clastic units and intrusive bodies and likely occur in the conglomerate unit as well but are much less obvious. Due to a lack of exposure overall structural trends are not well understood.

Visible fresh sulphides are very limited within most units except for sections of the conglomerate which contain up to 3% pyrite in the matrix as well as trace fine disseminated pyrite in fine clastics.

Prospecting and soil sampling consisted of a ridge line traverse approximately 3.0 kilometres long extending from McKinnon Creek in the north of the property to the south boundary of the claim block. Results were poor, with a maximum gold value of 0.010 ppm Au and a single sample with moderately to highly anomalous pathfinder values of 1.3 ppm Ag and 197 ppm As but only <0.005 ppm Au. Rock sampling returned a maximum of 0.006 ppm Au and no anomalous pathfinder values.

Conclusions – The 2017 field program was focused on a portion of the McKinnon Property that had seen relatively little historical work. Although no anomalous gold values were encountered by the sampling and prospecting completed only a small portion of the property was tested and further work is recommended for remaining untested areas of the property.

Recommendations – Further work is recommended for the McKinnon project. Soil sampling and prospecting should be completed on the east facing slopes west of McKinnon Creek as well as within the main historical work area along McKinnon Creek near the south end of the claim block.

591000

592000



115-O-11
Scale: 1:10,000

7066000

7065000

7064000

Mackinnon Sample Label Map

Soils (ppm Au)

- 0.00 - 0.011
- 0.012 - 0.018
- 0.019 - 0.030
- 0.031 - 0.049
- 0.050 - 0.346

Rocks (ppm Au)

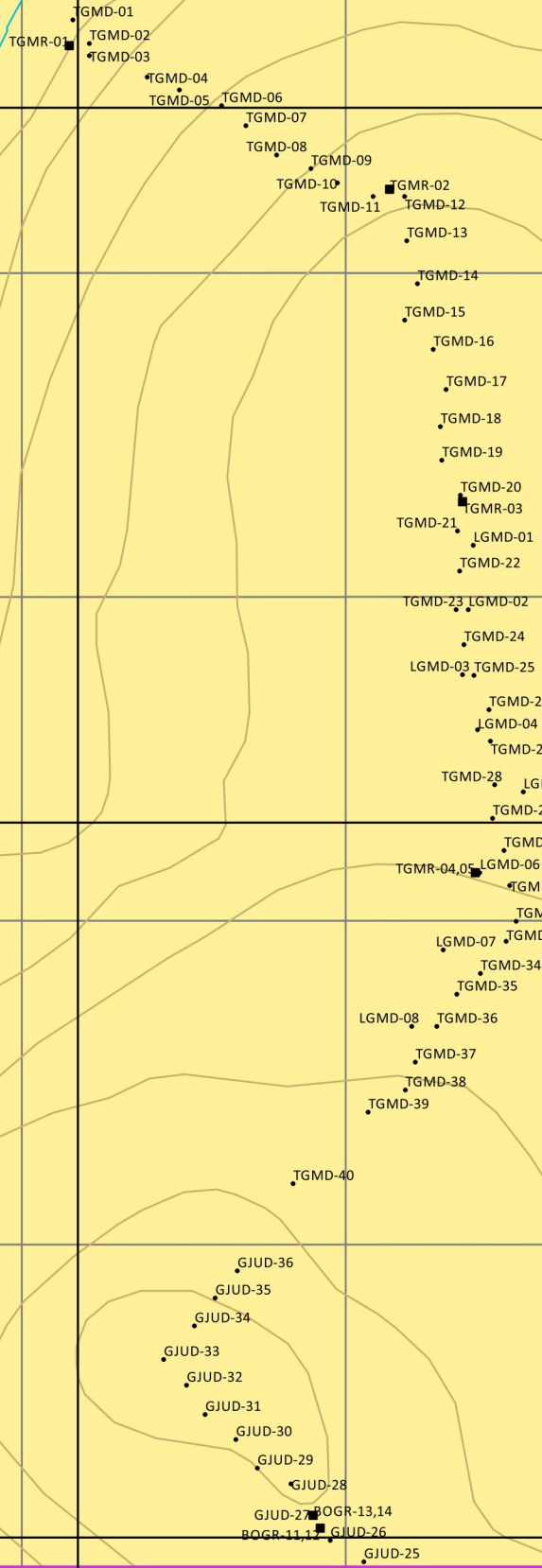
- 0.000 - 0.099
- 0.100 - 0.499
- 0.500 - 1.500

— Mckinnon Claim Outline

0 200 400 m



Fig 9



591000

592000



115-O-11
Scale: 1:10,000

7066000

7065000

7064000

Mackinnon Au Map

Soils (ppm Au)

- 0.00 - 0.011
- 0.012 - 0.018
- 0.019 - 0.030
- 0.031 - 0.049
- 0.050 - 0.346

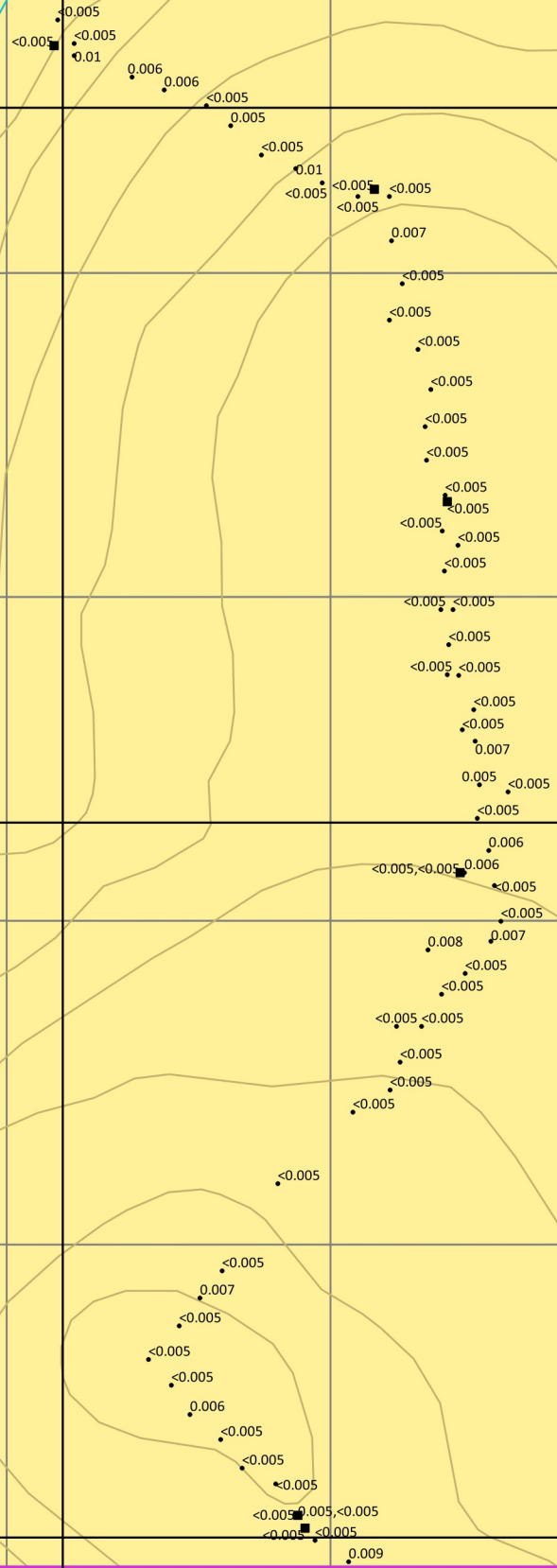
Rocks (ppm Au)

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

— Mckinnon Claim Outline



Fig 10



2017 McKinnon Rock Sample Table

| Sample Code | Easting | Northing | Description | Wgt | Au | Mo | Ag | As | Sb | Bi |
|-------------|---------|----------|--|------|--------|----|------|----|----|----|
| BOGR-11 | 592339 | 7064013 | bleached int cut by fe-carb stkwrk trace diss py lim jarosite | 1.03 | <0.005 | 3 | <0.3 | 22 | <3 | <3 |
| BOGR-12 | 592339 | 7064013 | as above cut by hairline qv and mm scale qtz lim vn | 0.46 | <0.005 | 2 | <0.3 | 8 | <3 | <3 |
| BOGR-13 | 592329 | 7064031 | cherty qv frags minor lim milky white | 0.2 | 0.005 | 2 | <0.3 | 9 | <3 | <3 |
| BOGR-13a | 592329 | 7064031 | cherty qtz frags minor lim milky white bleached clay alt int cut by fe-carb stkwrk | 0.12 | 0.006 | <1 | <0.3 | 7 | <3 | 4 |
| BOGR-14 | 592329 | 7064031 | bleached clay alt int cut by fe-carb stkwrk | 0.53 | <0.005 | 2 | <0.3 | 7 | <3 | <3 |
| TGMR-01 | 591988 | 7066087 | trace diss py and poss graphite in vfg sandstone | 0.24 | <0.005 | 2 | 0.3 | 14 | <3 | 6 |
| TGMR-02 | 592436 | 7065886 | intermediate intrusive | 0.48 | <0.005 | 1 | <0.3 | 5 | <3 | 4 |
| TGMR-03 | 592538 | 7065449 | as above | 0.31 | <0.005 | 1 | <0.3 | 5 | <3 | 3 |
| TGMR-04 | 592562 | 7064930 | bleached lim intermediate int | 0.14 | <0.005 | 2 | <0.3 | 17 | <3 | <3 |
| TGMR-05 | 592562 | 7064930 | sandstone lim cut by hairline qv | 0.32 | <0.005 | 1 | <0.3 | 11 | <3 | <3 |

2017 McKinnon Soil Sample Table

| Sample | Property | Easting | Northing | Type | Au | Mo | Ag | As | Sb | Bi |
|---------|----------|---------|----------|------|--------|----|------|-----|----|----|
| GJUD-25 | McKinnon | 592400 | 7063966 | Soil | 0.009 | 1 | <0.3 | 13 | <3 | <3 |
| GJUD-26 | McKinnon | 592353 | 7063996 | Soil | <0.005 | 2 | <0.3 | 17 | <3 | <3 |
| GJUD-27 | McKinnon | 592325 | 7064033 | Soil | <0.005 | <1 | <0.3 | 7 | <3 | <3 |
| GJUD-28 | McKinnon | 592298 | 7064075 | Soil | <0.005 | 2 | <0.3 | 9 | <3 | <3 |
| GJUD-29 | McKinnon | 592251 | 7064097 | Soil | <0.005 | 2 | <0.3 | 7 | <3 | <3 |
| GJUD-30 | McKinnon | 592221 | 7064137 | Soil | <0.005 | 1 | 1.3 | 197 | <3 | <3 |
| GJUD-31 | McKinnon | 592178 | 7064172 | Soil | 0.006 | 1 | <0.3 | 8 | <3 | <3 |
| GJUD-32 | McKinnon | 592152 | 7064213 | Soil | <0.005 | 1 | <0.3 | 5 | <3 | <3 |
| GJUD-33 | McKinnon | 592120 | 7064249 | Soil | <0.005 | 2 | <0.3 | 51 | <3 | <3 |
| GJUD-34 | McKinnon | 592163 | 7064296 | Soil | <0.005 | 2 | <0.3 | 7 | <3 | <3 |
| GJUD-35 | McKinnon | 592192 | 7064335 | Soil | 0.007 | 1 | <0.3 | 9 | <3 | <3 |
| GJUD-36 | McKinnon | 592223 | 7064373 | Soil | <0.005 | <1 | <0.3 | 5 | <3 | <3 |
| LGMD-01 | McKinnon | 592553 | 7065388 | Soil | <0.005 | 2 | <0.3 | 13 | <3 | <3 |
| LGMD-02 | McKinnon | 592546 | 7065298 | Soil | <0.005 | 2 | <0.3 | 10 | <3 | <3 |
| LGMD-03 | McKinnon | 592538 | 7065207 | Soil | <0.005 | 1 | <0.3 | 11 | <3 | <3 |
| LGMD-04 | McKinnon | 592559 | 7065130 | Soil | <0.005 | <1 | <0.3 | 9 | <3 | <3 |
| LGMD-05 | McKinnon | 592623 | 7065043 | Soil | <0.005 | 1 | <0.3 | 9 | <3 | <3 |
| LGMD-06 | McKinnon | 592562 | 7064930 | Soil | 0.006 | <1 | <0.3 | 5 | <3 | <3 |
| LGMD-07 | McKinnon | 592511 | 7064822 | Soil | 0.008 | 1 | <0.3 | 13 | <3 | <3 |
| LGMD-08 | McKinnon | 592467 | 7064715 | Soil | <0.005 | 1 | <0.3 | 7 | <3 | <3 |
| TGMD-01 | McKinnon | 591993 | 7066123 | Soil | <0.005 | 1 | <0.3 | 7 | <3 | <3 |
| TGMD-02 | McKinnon | 592016 | 7066090 | Soil | <0.005 | 1 | <0.3 | 6 | <3 | <3 |
| TGMD-03 | McKinnon | 592016 | 7066073 | Soil | 0.01 | <1 | <0.3 | 7 | <3 | <3 |
| TGMD-04 | McKinnon | 592097 | 7066043 | Soil | 0.006 | 1 | <0.3 | 9 | <3 | <3 |
| TGMD-05 | McKinnon | 592142 | 7066025 | Soil | 0.006 | 1 | <0.3 | 8 | <3 | <3 |
| TGMD-06 | McKinnon | 592201 | 7066003 | Soil | <0.005 | <1 | <0.3 | 7 | <3 | <3 |
| TGMD-07 | McKinnon | 592235 | 7065975 | Soil | 0.005 | <1 | <0.3 | 7 | <3 | <3 |
| TGMD-08 | McKinnon | 592278 | 7065934 | Soil | <0.005 | <1 | <0.3 | 6 | <3 | <3 |
| TGMD-09 | McKinnon | 592326 | 7065915 | Soil | 0.01 | <1 | <0.3 | 6 | <3 | <3 |
| TGMD-10 | McKinnon | 592363 | 7065895 | Soil | <0.005 | <1 | <0.3 | 9 | <3 | <3 |
| TGMD-11 | McKinnon | 592413 | 7065876 | Soil | <0.005 | <1 | <0.3 | 10 | <3 | <3 |
| TGMD-12 | McKinnon | 592457 | 7065876 | Soil | <0.005 | 1 | <0.3 | 11 | <3 | <3 |
| TGMD-13 | McKinnon | 592460 | 7065814 | Soil | 0.007 | <1 | <0.3 | 8 | <3 | <3 |
| TGMD-14 | McKinnon | 592475 | 7065754 | Soil | <0.005 | 1 | <0.3 | 11 | <3 | <3 |
| TGMD-15 | McKinnon | 592457 | 7065703 | Soil | <0.005 | <1 | <0.3 | 11 | <3 | <3 |
| TGMD-16 | McKinnon | 592497 | 7065662 | Soil | <0.005 | <1 | <0.3 | 9 | <3 | <3 |
| TGMD-17 | McKinnon | 592515 | 7065606 | Soil | <0.005 | 1 | <0.3 | 12 | <3 | <3 |
| TGMD-18 | McKinnon | 592507 | 7065554 | Soil | <0.005 | <1 | <0.3 | 8 | <3 | <3 |
| TGMD-19 | McKinnon | 592509 | 7065507 | Soil | <0.005 | 1 | <0.3 | 9 | <3 | <3 |
| TGMD-20 | McKinnon | 592535 | 7065458 | Soil | <0.005 | 2 | <0.3 | 9 | <3 | <3 |
| TGMD-21 | McKinnon | 592531 | 7065408 | Soil | <0.005 | 1 | <0.3 | 7 | <3 | <3 |
| TGMD-22 | McKinnon | 592534 | 7065352 | Soil | <0.005 | 1 | <0.3 | 7 | <3 | <3 |
| TGMD-23 | McKinnon | 592529 | 7065298 | Soil | <0.005 | 1 | <0.3 | 11 | <3 | <3 |

| Sample | Property | Easting | Northing | Type | Au | Mo | Ag | As | Sb | Bi |
|---------|----------|---------|----------|------|--------|----|------|----|----|----|
| TGMD-24 | McKinnon | 592540 | 7065249 | Soil | <0.005 | 1 | <0.3 | 7 | <3 | <3 |
| TGMD-25 | McKinnon | 592554 | 7065206 | Soil | <0.005 | <1 | <0.3 | 10 | <3 | <3 |
| TGMD-26 | McKinnon | 592575 | 7065158 | Soil | <0.005 | <1 | <0.3 | 12 | <3 | <3 |
| TGMD-27 | McKinnon | 592577 | 7065114 | Soil | 0.007 | <1 | <0.3 | 8 | <3 | <3 |
| TGMD-28 | McKinnon | 592583 | 7065053 | Soil | 0.005 | <1 | <0.3 | 6 | <3 | <3 |
| TGMD-29 | McKinnon | 592580 | 7065006 | Soil | <0.005 | <1 | <0.3 | 7 | <3 | <3 |
| TGMD-30 | McKinnon | 592596 | 7064961 | Soil | 0.006 | <1 | <0.3 | 6 | <3 | <3 |
| TGMD-31 | McKinnon | 592604 | 7064912 | Soil | <0.005 | <1 | <0.3 | 8 | <3 | <3 |
| TGMD-32 | McKinnon | 592613 | 7064862 | Soil | <0.005 | <1 | <0.3 | 8 | <3 | <3 |
| TGMD-33 | McKinnon | 592599 | 7064834 | Soil | 0.007 | <1 | <0.3 | 10 | <3 | <3 |
| TGMD-34 | McKinnon | 592563 | 7064789 | Soil | <0.005 | <1 | <0.3 | 8 | <3 | <3 |
| TGMD-35 | McKinnon | 592530 | 7064760 | Soil | <0.005 | 1 | <0.3 | 9 | <3 | <3 |
| TGMD-36 | McKinnon | 592502 | 7064715 | Soil | <0.005 | 1 | <0.3 | 9 | <3 | <3 |
| TGMD-37 | McKinnon | 592472 | 7064665 | Soil | <0.005 | 1 | <0.3 | 9 | <3 | <3 |
| TGMD-38 | McKinnon | 592458 | 7064626 | Soil | <0.005 | 1 | <0.3 | 9 | <3 | <3 |
| TGMD-39 | McKinnon | 592406 | 7064595 | Soil | <0.005 | <1 | <0.3 | 8 | <3 | <3 |
| TGMD-40 | McKinnon | 592301 | 7064495 | Soil | <0.005 | 1 | <0.3 | 7 | <3 | <3 |

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 during the 2017 field season.

This report is based on fieldwork completed on the McKinnon Project

Respectfully submitted,

Bernie Kreft

Cost Statement

| | | |
|--|-------|-------------------|
| Helicopter 1.2 hours | = | \$1,621.37 |
| Assaying 60 soils and 10 rocks (30g Au fire assay, 35 element icp) | = | \$1,720.19 |
| Wages Joel Wynnyk 2 man days x \$350/day | = | \$700.00 |
| Wages Bernie Kreft 2 man days x \$350/day | = | \$700.00 |
| Wages Justin Kreft 2 man days x \$350/day | = | \$700.00 |
| Wages Jarret Kreft 2 man days x \$350/day | = | \$700.00 |
| Food, field and Camp 8 man days \$100/day | = | \$800.00 |
| Truck Travel 1 round trip Whitehorse-Dawson 1075km x \$0.60/km | = | \$645.00 |
| Report Prep | = | <u>\$1,500.00</u> |
| | TOTAL | = \$9,086.56 |



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

Submitted By: Bernie Kreft
Receiving Lab: Canada-Whitehorse
Received: August 30, 2017
Report Date: October 03, 2017
Page: 1 of 3

CERTIFICATE OF ANALYSIS

WHI17000740.1

CLIENT JOB INFORMATION

Project: None Given
Shipment ID:
P.O. Number
Number of Samples: 55

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 | 55 | Crush, split and pulverize 250 g rock to 200 mesh | | | WHI |
| FA430 | 55 | Lead Collection Fire - Assay Fusion - AAS Finish | 30 | Completed | VAN |
| EN002 | 55 | Environmental disposal charge-Fire assay lead waste | | | VAN |
| AQ300 | 55 | 1:1:1 Aqua Regia digestion ICP-ES analysis | 0.5 | Completed | VAN |
| SHP01 | 55 | 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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1 Locust Place
Whitehorse Yukon Y1A 5G9 Canada

Project: None Given
Report Date: October 03, 2017

Page: 2 of 3

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI17000740.1

| 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 | |
| TGMR-01 | Rock | 0.24 | <0.005 | 2 | 22 | 66 | 277 | 0.3 | 5 | 10 | 1367 | 4.62 | 14 | 11 | 79 | <0.5 | <3 | 6 | 112 | 1.33 | 0.190 |
| TGMR-02 | Rock | 0.48 | <0.005 | 1 | 10 | 30 | 86 | <0.3 | 4 | 6 | 412 | 3.13 | 5 | 12 | 62 | <0.5 | <3 | 4 | 84 | 0.76 | 0.168 |
| TGMR-03 | Rock | 0.31 | <0.005 | 1 | 9 | 25 | 82 | <0.3 | 6 | 7 | 539 | 3.94 | 5 | 11 | 55 | <0.5 | <3 | 3 | 104 | 0.70 | 0.190 |
| TGMR-04 | Rock | 0.14 | <0.005 | 2 | 10 | 20 | 35 | <0.3 | 5 | 12 | 612 | 2.12 | 17 | 9 | 12 | <0.5 | <3 | <3 | 57 | 0.18 | 0.105 |
| TGMR-05 | Rock | 0.32 | <0.005 | 1 | 16 | 11 | 76 | <0.3 | 24 | 23 | 1280 | 3.78 | 11 | 3 | 8 | <0.5 | <3 | <3 | 26 | 0.04 | 0.017 |



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Project: None Given
Report Date: October 03, 2017

Page: 2 of 3

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI17000740.1

| 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 |
| TGMR-01 | Rock | 27 | 9 | 1.05 | 717 | 0.239 | <20 | 1.46 | 0.13 | 0.54 | 4 | <0.05 | <1 | <5 | <5 | 7 |
| TGMR-02 | Rock | 30 | 7 | 0.50 | 263 | 0.194 | <20 | 0.92 | 0.11 | 0.23 | <2 | <0.05 | <1 | <5 | <5 | <5 |
| TGMR-03 | Rock | 32 | 8 | 0.85 | 324 | 0.201 | <20 | 1.24 | 0.08 | 0.26 | <2 | <0.05 | <1 | <5 | <5 | <5 |
| TGMR-04 | Rock | 43 | 10 | 0.02 | 103 | 0.006 | <20 | 0.73 | <0.01 | 0.08 | <2 | <0.05 | <1 | <5 | <5 | <5 |
| TGMR-05 | Rock | 10 | 13 | 0.03 | 166 | 0.001 | <20 | 0.37 | <0.01 | 0.10 | <2 | <0.05 | <1 | <5 | <5 | <5 |



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

Project: None Given
Report Date: October 03, 2017

Page: 3 of 3

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI17000740.1

| 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 | |

| | | | | | | | | | | | | | | | | | | | | | |
|----------|------|------|--------|----|----|----|-----|------|---|----|-----|------|----|----|----|------|----|----|----|-------|-------|
| BOGR-11 | Rock | 1.03 | <0.005 | 3 | 10 | 27 | 176 | <0.3 | 8 | 10 | 750 | 9.96 | 22 | 9 | 10 | <0.5 | <3 | <3 | 97 | 0.21 | 0.159 |
| BOGR-12 | Rock | 0.46 | <0.005 | 2 | 8 | 15 | 87 | <0.3 | 6 | 7 | 632 | 6.16 | 8 | 9 | 10 | <0.5 | <3 | <3 | 87 | 0.24 | 0.144 |
| BOGR-13 | Rock | 0.20 | 0.005 | 2 | 5 | 34 | 107 | <0.3 | 4 | 2 | 456 | 6.59 | 9 | 6 | 21 | <0.5 | <3 | <3 | 56 | 0.03 | 0.039 |
| BOGR-13a | Rock | 0.12 | 0.006 | <1 | 1 | <3 | 7 | <0.3 | 2 | <1 | 86 | 0.61 | 7 | <2 | 10 | <0.5 | <3 | 4 | 3 | <0.01 | 0.004 |
| BOGR-14 | Rock | 0.53 | <0.005 | 2 | 11 | 20 | 89 | <0.3 | 5 | 9 | 812 | 3.01 | 7 | 12 | 22 | <0.5 | <3 | <3 | 70 | 0.26 | 0.146 |



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1 Locust Place
Whitehorse Yukon Y1A 5G9 Canada

Project: None Given
Report Date: October 03, 2017

Page: 3 of 3

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI17000740.1

| 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 |

| | | | | | | | | | | | | | | | | |
|----------|------|----|---|-------|-----|--------|-----|------|-------|------|----|-------|----|----|----|----|
| BOGR-11 | Rock | 40 | 5 | 0.01 | 152 | 0.003 | <20 | 0.66 | <0.01 | 0.08 | <2 | <0.05 | <1 | <5 | <5 | 14 |
| BOGR-12 | Rock | 39 | 6 | 0.01 | 127 | 0.003 | <20 | 0.68 | <0.01 | 0.08 | <2 | <0.05 | <1 | <5 | <5 | 11 |
| BOGR-13 | Rock | 17 | 5 | 0.02 | 344 | 0.003 | <20 | 0.38 | <0.01 | 0.05 | <2 | <0.05 | <1 | <5 | <5 | 13 |
| BOGR-13a | Rock | <1 | 6 | <0.01 | 170 | <0.001 | <20 | 0.07 | <0.01 | 0.02 | <2 | <0.05 | <1 | <5 | <5 | <5 |
| BOGR-14 | Rock | 28 | 4 | 0.02 | 148 | 0.003 | <20 | 0.63 | <0.01 | 0.11 | <2 | <0.05 | <1 | <5 | <5 | 9 |



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

Submitted By: Bernie Kreft
Receiving Lab: Canada-Whitehorse
Received: August 30, 2017
Report Date: September 18, 2017
Page: 1 of 7

CERTIFICATE OF ANALYSIS

WHI17000742.1

CLIENT JOB INFORMATION

Project: None Given
Shipment ID:
P.O. Number
Number of Samples: 174

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 | 174 | Dry at 60C | | | WHI |
| SS80 | 174 | Dry at 60C sieve 100g to -80 mesh | | | WHI |
| FA430 | 174 | Lead Collection Fire - Assay Fusion - AAS Finish | 30 | Completed | VAN |
| EN002 | 174 | Environmental disposal charge-Fire assay lead waste | | | WHI |
| AQ300 | 174 | 1:1:1 Aqua Regia digestion ICP-ES analysis | 0.5 | Completed | VAN |
| SHP01 | 174 | Per sample shipping charges for branch shipments | | | WHI |

ADDITIONAL COMMENTS



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



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Whitehorse Yukon Y1A 5G9 Canada

Project: None Given
Report Date: September 18, 2017

Page: 2 of 7

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI17000742.1

| 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 | |
| LGMD-01 | Soil | <0.005 | 2 | 12 | 40 | 91 | <0.3 | 12 | 8 | 396 | 4.75 | 13 | 7 | 61 | <0.5 | <3 | <3 | 109 | 0.50 | 0.227 | 20 |
| LGMD-02 | Soil | <0.005 | 2 | 11 | 41 | 100 | <0.3 | 9 | 13 | 1283 | 4.84 | 10 | 10 | 47 | <0.5 | <3 | <3 | 88 | 0.35 | 0.112 | 32 |
| LGMD-03 | Soil | <0.005 | 1 | 18 | 16 | 64 | <0.3 | 20 | 8 | 428 | 3.32 | 11 | 5 | 33 | <0.5 | <3 | <3 | 63 | 0.30 | 0.060 | 17 |
| LGMD-04 | Soil | <0.005 | <1 | 19 | 10 | 48 | <0.3 | 21 | 7 | 296 | 2.66 | 9 | 5 | 31 | <0.5 | <3 | <3 | 43 | 0.39 | 0.040 | 19 |
| LGMD-05 | Soil | <0.005 | 1 | 18 | 14 | 42 | <0.3 | 16 | 7 | 194 | 2.49 | 9 | 2 | 18 | <0.5 | <3 | <3 | 55 | 0.18 | 0.017 | 11 |
| LGMD-06 | Soil | 0.006 | <1 | 12 | 9 | 35 | <0.3 | 11 | 4 | 172 | 1.91 | 5 | 4 | 19 | <0.5 | <3 | <3 | 35 | 0.23 | 0.033 | 16 |
| LGMD-07 | Soil | 0.008 | 1 | 19 | 15 | 58 | <0.3 | 16 | 9 | 241 | 3.75 | 13 | 4 | 25 | <0.5 | <3 | <3 | 74 | 0.20 | 0.037 | 10 |
| LGMD-08 | Soil | <0.005 | 1 | 15 | 16 | 51 | <0.3 | 14 | 9 | 265 | 3.05 | 7 | 5 | 27 | <0.5 | <3 | <3 | 64 | 0.25 | 0.024 | 17 |



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Project: None Given
Report Date: September 18, 2017

Page: 2 of 7

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI17000742.1

| Method | Analyte | AQ300 | AQ300 | AQ300 | AQ300 | AQ300 | AQ300 | AQ300 | AQ300 | AQ300 | AQ300 | AQ300 | AQ300 | AQ300 | AQ300 |
|---------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | S | Hg | Tl | Ga | Sc |
| Unit | | ppm | % | ppm | % | ppm | % | % | ppm | % | ppm | ppm | ppm | ppm | ppm |
| MDL | | 1 | 0.01 | 1 | 0.001 | 20 | 0.01 | 0.01 | 0.01 | 2 | 0.05 | 1 | 5 | 5 | 5 |
| LGMD-01 | Soil | 18 | 0.76 | 281 | 0.180 | <20 | 3.45 | <0.01 | 0.06 | <2 | <0.05 | <1 | <5 | 5 | 6 |
| LGMD-02 | Soil | 15 | 0.44 | 334 | 0.059 | <20 | 2.75 | <0.01 | 0.14 | <2 | <0.05 | <1 | <5 | <5 | 12 |
| LGMD-03 | Soil | 31 | 0.48 | 345 | 0.054 | <20 | 2.18 | <0.01 | 0.06 | <2 | <0.05 | <1 | <5 | <5 | 6 |
| LGMD-04 | Soil | 24 | 0.41 | 357 | 0.026 | <20 | 1.67 | <0.01 | 0.06 | <2 | <0.05 | <1 | <5 | <5 | <5 |
| LGMD-05 | Soil | 26 | 0.40 | 258 | 0.047 | <20 | 1.65 | <0.01 | 0.04 | <2 | <0.05 | <1 | <5 | <5 | <5 |
| LGMD-06 | Soil | 18 | 0.30 | 210 | 0.031 | <20 | 1.02 | <0.01 | 0.05 | <2 | <0.05 | <1 | <5 | <5 | <5 |
| LGMD-07 | Soil | 28 | 0.48 | 315 | 0.073 | <20 | 2.74 | <0.01 | 0.05 | <2 | <0.05 | <1 | <5 | 6 | <5 |
| LGMD-08 | Soil | 26 | 0.47 | 467 | 0.078 | <20 | 2.15 | <0.01 | 0.04 | <2 | <0.05 | <1 | <5 | <5 | 5 |

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Report Date: September 18, 2017

Page: 4 of 7 Part: 2 of 2

CERTIFICATE OF ANALYSIS WHI17000742.1

| 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 |

| | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

| | | | | | | | | | | | | | | | |
|---------|------|----|------|-----|-------|-----|------|------|------|----|-------|----|----|----|----|
| TGMD-01 | Soil | 19 | 0.57 | 313 | 0.122 | <20 | 1.51 | 0.01 | 0.10 | <2 | <0.05 | <1 | <5 | <5 | <5 |
| TGMD-02 | Soil | 22 | 0.53 | 381 | 0.099 | <20 | 1.70 | 0.01 | 0.10 | <2 | <0.05 | <1 | <5 | 6 | <5 |
| TGMD-03 | Soil | 22 | 0.48 | 452 | 0.097 | <20 | 1.64 | 0.02 | 0.04 | <2 | <0.05 | <1 | <5 | <5 | 5 |
| TGMD-04 | Soil | 24 | 0.48 | 307 | 0.114 | <20 | 1.46 | 0.02 | 0.10 | <2 | <0.05 | <1 | <5 | <5 | 5 |
| TGMD-05 | Soil | 23 | 0.56 | 385 | 0.150 | <20 | 1.98 | 0.02 | 0.08 | <2 | <0.05 | <1 | <5 | 5 | 5 |

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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Page: 5 of 7

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI17000742.1

| Method | Analyte | Unit | FA430 | 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 |
| MDL | | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm | | |
| TGMD-06 | Soil | | <0.005 | <1 | 21 | 14 | 52 | <0.3 | 15 | 8 | 330 | 2.48 | 7 | 2 | 31 | <0.5 | <3 | <3 | 61 | 0.36 | 0.044 | 19 |
| TGMD-07 | Soil | | 0.005 | <1 | 19 | 14 | 51 | <0.3 | 15 | 7 | 256 | 2.53 | 7 | <2 | 31 | <0.5 | <3 | <3 | 61 | 0.35 | 0.027 | 15 |
| TGMD-08 | Soil | | <0.005 | <1 | 15 | 14 | 51 | <0.3 | 12 | 6 | 268 | 2.49 | 6 | 3 | 31 | <0.5 | <3 | <3 | 70 | 0.29 | 0.053 | 17 |
| TGMD-09 | Soil | | 0.010 | <1 | 16 | 15 | 52 | <0.3 | 13 | 6 | 221 | 2.53 | 6 | 4 | 34 | <0.5 | <3 | <3 | 65 | 0.28 | 0.035 | 18 |
| TGMD-10 | Soil | | <0.005 | <1 | 17 | 16 | 56 | <0.3 | 15 | 7 | 308 | 2.78 | 9 | 2 | 30 | <0.5 | <3 | <3 | 69 | 0.26 | 0.041 | 15 |
| TGMD-11 | Soil | | <0.005 | <1 | 21 | 20 | 71 | <0.3 | 16 | 9 | 415 | 3.43 | 10 | 5 | 45 | <0.5 | <3 | <3 | 79 | 0.43 | 0.069 | 26 |
| TGMD-12 | Soil | | <0.005 | 1 | 15 | 15 | 53 | <0.3 | 16 | 9 | 598 | 2.77 | 11 | <2 | 29 | <0.5 | <3 | <3 | 69 | 0.22 | 0.031 | 11 |
| TGMD-13 | Soil | | 0.007 | <1 | 15 | 16 | 60 | <0.3 | 13 | 8 | 647 | 2.34 | 8 | 2 | 64 | <0.5 | <3 | <3 | 64 | 0.35 | 0.080 | 20 |
| TGMD-14 | Soil | | <0.005 | 1 | 11 | 21 | 53 | <0.3 | 14 | 7 | 184 | 2.72 | 11 | <2 | 41 | <0.5 | <3 | <3 | 71 | 0.15 | 0.036 | 8 |
| TGMD-15 | Soil | | <0.005 | <1 | 16 | 19 | 51 | <0.3 | 17 | 8 | 238 | 2.88 | 11 | 3 | 28 | <0.5 | <3 | <3 | 73 | 0.20 | 0.024 | 15 |
| TGMD-16 | Soil | | <0.005 | <1 | 21 | 15 | 51 | <0.3 | 18 | 8 | 236 | 2.96 | 9 | 5 | 40 | <0.5 | <3 | <3 | 71 | 0.26 | 0.018 | 24 |
| TGMD-17 | Soil | | <0.005 | 1 | 13 | 21 | 73 | <0.3 | 17 | 10 | 329 | 3.53 | 12 | <2 | 26 | <0.5 | <3 | <3 | 81 | 0.14 | 0.099 | 9 |
| TGMD-18 | Soil | | <0.005 | <1 | 10 | 14 | 60 | <0.3 | 15 | 9 | 763 | 2.90 | 8 | <2 | 31 | <0.5 | <3 | <3 | 72 | 0.19 | 0.037 | 9 |
| TGMD-19 | Soil | | <0.005 | 1 | 11 | 15 | 54 | <0.3 | 15 | 7 | 224 | 3.13 | 9 | <2 | 27 | <0.5 | <3 | <3 | 78 | 0.18 | 0.033 | 10 |
| TGMD-20 | Soil | | <0.005 | 2 | 12 | 32 | 89 | <0.3 | 12 | 10 | 939 | 4.47 | 9 | 2 | 52 | <0.5 | <3 | <3 | 104 | 0.37 | 0.084 | 11 |
| TGMD-21 | Soil | | <0.005 | 1 | 15 | 36 | 99 | <0.3 | 11 | 10 | 254 | 5.03 | 7 | 5 | 54 | <0.5 | <3 | <3 | 123 | 0.44 | 0.119 | 24 |
| TGMD-22 | Soil | | <0.005 | 1 | 12 | 21 | 93 | <0.3 | 12 | 9 | 1123 | 3.66 | 7 | <2 | 34 | <0.5 | <3 | <3 | 78 | 0.27 | 0.100 | 13 |
| TGMD-23 | Soil | | <0.005 | 1 | 13 | 29 | 93 | <0.3 | 11 | 8 | 427 | 4.69 | 11 | 3 | 73 | <0.5 | <3 | <3 | 91 | 0.47 | 0.150 | 14 |
| TGMD-24 | Soil | | <0.005 | 1 | 12 | 12 | 51 | <0.3 | 15 | 7 | 253 | 2.87 | 7 | <2 | 21 | <0.5 | <3 | <3 | 67 | 0.16 | 0.031 | 13 |
| TGMD-25 | Soil | | <0.005 | <1 | 19 | 13 | 65 | <0.3 | 22 | 9 | 395 | 3.17 | 10 | 3 | 31 | <0.5 | <3 | <3 | 61 | 0.35 | 0.062 | 19 |
| TGMD-26 | Soil | | <0.005 | <1 | 21 | 11 | 51 | <0.3 | 22 | 8 | 227 | 3.12 | 12 | <2 | 24 | <0.5 | <3 | <3 | 62 | 0.27 | 0.030 | 13 |
| TGMD-27 | Soil | | 0.007 | <1 | 31 | 11 | 43 | <0.3 | 23 | 8 | 367 | 2.42 | 8 | 2 | 33 | <0.5 | <3 | <3 | 42 | 0.46 | 0.044 | 18 |
| TGMD-28 | Soil | | 0.005 | <1 | 17 | 10 | 34 | <0.3 | 15 | 7 | 158 | 1.89 | 6 | 3 | 18 | <0.5 | <3 | <3 | 43 | 0.18 | 0.009 | 16 |
| TGMD-29 | Soil | | <0.005 | <1 | 18 | 12 | 37 | <0.3 | 14 | 5 | 149 | 1.96 | 7 | 3 | 21 | <0.5 | <3 | <3 | 41 | 0.27 | 0.023 | 15 |
| TGMD-30 | Soil | | 0.006 | <1 | 21 | 8 | 40 | <0.3 | 17 | 5 | 206 | 2.15 | 6 | 2 | 25 | <0.5 | <3 | <3 | 39 | 0.31 | 0.028 | 16 |
| TGMD-31 | Soil | | <0.005 | <1 | 20 | 10 | 47 | <0.3 | 16 | 6 | 253 | 2.29 | 8 | 2 | 32 | <0.5 | <3 | <3 | 41 | 0.40 | 0.044 | 18 |
| TGMD-32 | Soil | | <0.005 | <1 | 21 | 14 | 55 | <0.3 | 16 | 8 | 411 | 2.69 | 8 | <2 | 39 | <0.5 | <3 | <3 | 56 | 0.51 | 0.079 | 20 |
| TGMD-33 | Soil | | 0.007 | <1 | 25 | 13 | 59 | <0.3 | 20 | 8 | 333 | 2.66 | 10 | <2 | 39 | <0.5 | <3 | <3 | 53 | 0.51 | 0.082 | 19 |
| TGMD-34 | Soil | | <0.005 | <1 | 10 | 11 | 43 | <0.3 | 11 | 5 | 167 | 2.34 | 8 | <2 | 19 | <0.5 | <3 | <3 | 57 | 0.21 | 0.023 | 11 |
| TGMD-35 | Soil | | <0.005 | 1 | 24 | 13 | 50 | <0.3 | 17 | 9 | 227 | 2.88 | 9 | 3 | 29 | <0.5 | <3 | <3 | 63 | 0.31 | 0.020 | 24 |



CERTIFICATE OF ANALYSIS

WHI17000742.1

| Method | Analyte | 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 |
| TGMD-06 | Soil | 23 | 0.47 | 349 | 0.121 | <20 | 1.59 | 0.01 | 0.06 | <2 | <0.05 | <1 | <5 | <5 | 5 |
| TGMD-07 | Soil | 24 | 0.46 | 319 | 0.123 | <20 | 1.80 | 0.01 | 0.05 | <2 | <0.05 | <1 | <5 | <5 | <5 |
| TGMD-08 | Soil | 20 | 0.38 | 221 | 0.131 | <20 | 1.39 | 0.01 | 0.06 | <2 | <0.05 | <1 | <5 | <5 | <5 |
| TGMD-09 | Soil | 22 | 0.42 | 245 | 0.116 | <20 | 1.60 | 0.01 | 0.04 | <2 | <0.05 | <1 | <5 | <5 | <5 |
| TGMD-10 | Soil | 25 | 0.47 | 258 | 0.115 | <20 | 1.83 | <0.01 | 0.05 | <2 | <0.05 | <1 | <5 | <5 | <5 |
| TGMD-11 | Soil | 22 | 0.50 | 298 | 0.115 | <20 | 1.94 | 0.01 | 0.06 | <2 | <0.05 | <1 | <5 | <5 | 7 |
| TGMD-12 | Soil | 31 | 0.41 | 402 | 0.069 | <20 | 2.12 | <0.01 | 0.05 | <2 | <0.05 | <1 | <5 | 5 | <5 |
| TGMD-13 | Soil | 21 | 0.35 | 185 | 0.102 | <20 | 1.32 | 0.01 | 0.07 | <2 | <0.05 | <1 | <5 | <5 | <5 |
| TGMD-14 | Soil | 23 | 0.38 | 266 | 0.093 | <20 | 2.32 | <0.01 | 0.04 | <2 | <0.05 | <1 | <5 | 5 | <5 |
| TGMD-15 | Soil | 28 | 0.49 | 289 | 0.097 | <20 | 2.09 | <0.01 | 0.03 | <2 | <0.05 | <1 | <5 | <5 | <5 |
| TGMD-16 | Soil | 31 | 0.51 | 352 | 0.091 | <20 | 2.14 | <0.01 | 0.04 | <2 | <0.05 | <1 | <5 | <5 | 6 |
| TGMD-17 | Soil | 24 | 0.41 | 304 | 0.080 | <20 | 2.66 | <0.01 | 0.05 | <2 | <0.05 | <1 | <5 | 8 | <5 |
| TGMD-18 | Soil | 26 | 0.38 | 362 | 0.061 | <20 | 2.07 | <0.01 | 0.04 | <2 | <0.05 | <1 | <5 | 5 | <5 |
| TGMD-19 | Soil | 27 | 0.44 | 339 | 0.068 | <20 | 2.41 | <0.01 | 0.04 | <2 | <0.05 | <1 | <5 | 7 | <5 |
| TGMD-20 | Soil | 22 | 0.47 | 312 | 0.096 | <20 | 2.85 | <0.01 | 0.05 | <2 | <0.05 | <1 | <5 | 9 | 7 |
| TGMD-21 | Soil | 22 | 0.90 | 313 | 0.163 | <20 | 2.85 | <0.01 | 0.09 | <2 | <0.05 | <1 | <5 | 8 | 10 |
| TGMD-22 | Soil | 19 | 0.57 | 255 | 0.092 | <20 | 2.12 | <0.01 | 0.06 | <2 | <0.05 | <1 | <5 | 8 | <5 |
| TGMD-23 | Soil | 19 | 0.80 | 450 | 0.110 | <20 | 3.04 | <0.01 | 0.10 | <2 | <0.05 | <1 | <5 | 9 | 9 |
| TGMD-24 | Soil | 27 | 0.45 | 174 | 0.051 | <20 | 1.98 | <0.01 | 0.04 | <2 | <0.05 | <1 | <5 | 6 | <5 |
| TGMD-25 | Soil | 31 | 0.53 | 377 | 0.048 | <20 | 1.97 | <0.01 | 0.06 | <2 | <0.05 | <1 | <5 | <5 | 7 |
| TGMD-26 | Soil | 36 | 0.52 | 223 | 0.060 | <20 | 2.05 | <0.01 | 0.08 | <2 | <0.05 | <1 | <5 | <5 | <5 |
| TGMD-27 | Soil | 24 | 0.40 | 520 | 0.016 | <20 | 1.68 | <0.01 | 0.07 | <2 | <0.05 | <1 | <5 | 5 | 6 |
| TGMD-28 | Soil | 22 | 0.34 | 237 | 0.048 | <20 | 1.28 | <0.01 | 0.05 | <2 | <0.05 | <1 | <5 | <5 | <5 |
| TGMD-29 | Soil | 21 | 0.34 | 269 | 0.037 | <20 | 1.21 | <0.01 | 0.04 | <2 | <0.05 | <1 | <5 | <5 | <5 |
| TGMD-30 | Soil | 23 | 0.37 | 355 | 0.034 | <20 | 1.29 | <0.01 | 0.06 | <2 | <0.05 | <1 | <5 | <5 | <5 |
| TGMD-31 | Soil | 22 | 0.36 | 370 | 0.034 | <20 | 1.24 | <0.01 | 0.05 | <2 | <0.05 | <1 | <5 | <5 | <5 |
| TGMD-32 | Soil | 23 | 0.46 | 449 | 0.059 | <20 | 1.50 | <0.01 | 0.05 | <2 | <0.05 | <1 | <5 | <5 | <5 |
| TGMD-33 | Soil | 24 | 0.44 | 413 | 0.058 | <20 | 1.37 | 0.01 | 0.05 | <2 | <0.05 | <1 | <5 | <5 | <5 |
| TGMD-34 | Soil | 22 | 0.38 | 247 | 0.062 | <20 | 1.57 | <0.01 | 0.06 | <2 | <0.05 | <1 | <5 | 5 | <5 |
| TGMD-35 | Soil | 30 | 0.48 | 477 | 0.068 | <20 | 1.95 | <0.01 | 0.05 | <2 | <0.05 | <1 | <5 | <5 | 8 |



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Page: 6 of 7

Part: 1 of 2

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| Method | FA430 | AQ300 | AQ300 | AQ300 | AQ300 | AQ300 | AQ300 | AQ300 | AQ300 | AQ300 | AQ300 | AQ300 | AQ300 | AQ300 | AQ300 | AQ300 | AQ300 | AQ300 | AQ300 | AQ300 | |
|---------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|
| Analyte | Au | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Th | Sr | Cd | Sb | Bi | V | Ca | P | La | |
| Unit | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm | |
| MDL | 0.005 | 1 | 1 | 3 | 1 | 0.3 | 1 | 1 | 2 | 0.01 | 2 | 2 | 1 | 0.5 | 3 | 3 | 1 | 0.01 | 0.001 | 1 | |
| TGMD-36 | Soil | <0.005 | 1 | 16 | 13 | 50 | <0.3 | 13 | 7 | 237 | 2.68 | 9 | <2 | 25 | <0.5 | <3 | <3 | 64 | 0.26 | 0.027 | 20 |
| TGMD-37 | Soil | <0.005 | 1 | 18 | 14 | 53 | <0.3 | 14 | 8 | 272 | 3.16 | 9 | 4 | 30 | <0.5 | <3 | <3 | 70 | 0.27 | 0.022 | 23 |
| TGMD-38 | Soil | <0.005 | 1 | 14 | 15 | 54 | <0.3 | 13 | 8 | 306 | 3.20 | 9 | <2 | 34 | <0.5 | <3 | <3 | 73 | 0.33 | 0.044 | 16 |
| TGMD-39 | Soil | <0.005 | <1 | 25 | 16 | 60 | <0.3 | 17 | 9 | 293 | 3.39 | 8 | 4 | 31 | <0.5 | <3 | <3 | 75 | 0.29 | 0.027 | 25 |
| TGMD-40 | Soil | <0.005 | 1 | 14 | 14 | 50 | <0.3 | 13 | 8 | 506 | 2.71 | 7 | <2 | 32 | <0.5 | <3 | <3 | 65 | 0.40 | 0.058 | 17 |



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Page: 6 of 7

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI17000742.1

| 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 |
| TGMD-36 | Soil | 23 | 0.45 | 474 | 0.076 | <20 | 1.64 | <0.01 | 0.04 | <2 | <0.05 | <1 | <5 | <5 |
| TGMD-37 | Soil | 28 | 0.51 | 552 | 0.073 | <20 | 2.21 | <0.01 | 0.05 | <2 | <0.05 | <1 | <5 | <5 |
| TGMD-38 | Soil | 25 | 0.51 | 489 | 0.082 | <20 | 2.20 | <0.01 | 0.05 | <2 | <0.05 | <1 | <5 | 5 |
| TGMD-39 | Soil | 26 | 0.59 | 486 | 0.115 | <20 | 2.33 | <0.01 | 0.06 | <2 | <0.05 | <1 | <5 | 6 |
| TGMD-40 | Soil | 22 | 0.44 | 350 | 0.076 | <20 | 1.89 | <0.01 | 0.06 | <2 | <0.05 | <1 | <5 | <5 |

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.



CERTIFICATE OF ANALYSIS

WHI17000742.1

| 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 | |
| GJUD-25 | Soil | 0.009 | 1 | 33 | 11 | 78 | <0.3 | 24 | 9 | 357 | 3.58 | 13 | 6 | 44 | <0.5 | <3 | <3 | 71 | 0.40 | 0.043 | 23 |
| GJUD-26 | Soil | <0.005 | 2 | 15 | 35 | 115 | <0.3 | 11 | 10 | 667 | 5.90 | 17 | 9 | 37 | <0.5 | <3 | <3 | 88 | 0.39 | 0.125 | 39 |
| GJUD-27 | Soil | <0.005 | <1 | 13 | 15 | 42 | <0.3 | 9 | 7 | 385 | 1.94 | 7 | 3 | 19 | <0.5 | <3 | <3 | 48 | 0.26 | 0.075 | 25 |
| GJUD-28 | Soil | <0.005 | 2 | 18 | 19 | 85 | <0.3 | 13 | 8 | 467 | 5.05 | 9 | 8 | 38 | <0.5 | <3 | <3 | 85 | 0.35 | 0.069 | 30 |
| GJUD-29 | Soil | <0.005 | 2 | 21 | 28 | 95 | <0.3 | 9 | 10 | 219 | 6.26 | 7 | 12 | 32 | <0.5 | <3 | <3 | 96 | 0.28 | 0.060 | 50 |
| GJUD-30 | Soil | <0.005 | 1 | 9 | 24 | 100 | 1.3 | 8 | 9 | 1385 | 2.99 | 197 | 4 | 17 | <0.5 | <3 | <3 | 58 | 0.21 | 0.086 | 14 |
| GJUD-31 | Soil | 0.006 | 1 | 7 | 11 | 62 | <0.3 | 8 | 5 | 290 | 3.80 | 8 | 4 | 15 | <0.5 | <3 | <3 | 59 | 0.12 | 0.111 | 11 |
| GJUD-32 | Soil | <0.005 | 1 | 8 | 12 | 54 | <0.3 | 10 | 5 | 247 | 3.38 | 5 | 3 | 14 | <0.5 | <3 | <3 | 64 | 0.16 | 0.037 | 14 |
| GJUD-33 | Soil | <0.005 | 2 | 11 | 29 | 121 | <0.3 | 10 | 8 | 899 | 4.46 | 51 | 5 | 25 | <0.5 | <3 | <3 | 66 | 0.22 | 0.057 | 32 |
| GJUD-34 | Soil | <0.005 | 2 | 8 | 10 | 43 | <0.3 | 11 | 6 | 263 | 3.29 | 7 | <2 | 18 | <0.5 | <3 | <3 | 70 | 0.17 | 0.059 | 10 |
| GJUD-35 | Soil | 0.007 | 1 | 20 | 13 | 72 | <0.3 | 15 | 8 | 564 | 3.69 | 9 | 8 | 38 | <0.5 | <3 | <3 | 72 | 0.43 | 0.057 | 28 |
| GJUD-36 | Soil | <0.005 | <1 | 9 | 10 | 40 | <0.3 | 11 | 5 | 229 | 2.58 | 5 | 3 | 25 | <0.5 | <3 | <3 | 55 | 0.26 | 0.039 | 14 |



CERTIFICATE OF ANALYSIS

WHI17000742.1

| 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 | |
| GJUD-25 | Soil | 37 | 0.64 | 364 | 0.079 | <20 | 1.95 | 0.01 | 0.07 | <2 | <0.05 | <1 | <5 | <5 | 8 |
| GJUD-26 | Soil | 14 | 0.30 | 440 | 0.027 | <20 | 2.04 | <0.01 | 0.08 | <2 | <0.05 | <1 | <5 | <5 | 13 |
| GJUD-27 | Soil | 14 | 0.21 | 183 | 0.053 | <20 | 0.83 | <0.01 | 0.04 | <2 | <0.05 | <1 | <5 | <5 | <5 |
| GJUD-28 | Soil | 23 | 0.51 | 466 | 0.041 | <20 | 2.35 | <0.01 | 0.07 | <2 | <0.05 | <1 | <5 | <5 | 11 |
| GJUD-29 | Soil | 14 | 0.26 | 326 | 0.026 | <20 | 2.11 | <0.01 | 0.04 | <2 | <0.05 | <1 | <5 | <5 | 15 |
| GJUD-30 | Soil | 16 | 0.20 | 217 | 0.020 | <20 | 1.15 | <0.01 | 0.08 | <2 | <0.05 | <1 | <5 | <5 | <5 |
| GJUD-31 | Soil | 14 | 0.15 | 188 | 0.007 | <20 | 1.35 | <0.01 | 0.09 | <2 | <0.05 | <1 | <5 | <5 | <5 |
| GJUD-32 | Soil | 18 | 0.22 | 217 | 0.013 | <20 | 1.52 | <0.01 | 0.07 | <2 | <0.05 | <1 | <5 | <5 | <5 |
| GJUD-33 | Soil | 15 | 0.20 | 247 | 0.008 | <20 | 1.66 | <0.01 | 0.07 | <2 | <0.05 | <1 | <5 | <5 | 8 |
| GJUD-34 | Soil | 20 | 0.33 | 172 | 0.030 | <20 | 1.52 | <0.01 | 0.10 | <2 | <0.05 | <1 | <5 | <5 | <5 |
| GJUD-35 | Soil | 27 | 0.57 | 414 | 0.045 | <20 | 2.24 | <0.01 | 0.05 | <2 | <0.05 | <1 | <5 | <5 | 10 |
| GJUD-36 | Soil | 18 | 0.39 | 257 | 0.047 | <20 | 1.72 | <0.01 | 0.05 | <2 | <0.05 | <1 | <5 | <5 | <5 |