



**BC Geological Survey
Assessment Report
38252**



Ministry of Energy, Mines & Petroleum Resources
Mining & Minerals Division
BC Geological Survey

Assessment Report
Title Page and Summary

TYPE OF REPORT [type of survey(s)]: Geological report on the Titan Property

TOTAL COST: 7310.01

AUTHOR(S): Luke Wasylshn, John Buckle

SIGNATURE(S):

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NOTICE OF WORK PERMIT NUMBER(S)/DATE(S):

YEAR OF WORK: 2018

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): 5733399

Recorded date 2019/MAR/07

PROPERTY NAME: Titan

CLAIM NAME(S) (on which the work was done): TITAN SHORE(1048307), TITAN TOP(1059176), TITAN LINK(1051006) TITAN PLUG (1059177), TITAN CROWN(1051007), TITAN ORBIT(1059175), TITAN(1048306)

COMMODITIES SOUGHT: Au, Ag, Mo, Cu, Pb, Zn

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: 104M008, 104M009, 104M010, 104M012, 104M035, 104M036, 104M037, 104M049

MINING DIVISION: Atlin

NTS/BCGS: 104M049

LATITUDE: 59 ° 28 '29 " LONGITUDE: 134 ° 20 ' " (at centre of work)

OWNER(S):

1) DeCoors Mining Corp.

2)

MAILING ADDRESS:

6204-125th Street, Surrey, British Columbia, V3X 2E1

OPERATOR(S) [who paid for the work]:

1) DeCoors Mining Corp.

2)

MAILING ADDRESS:

As above

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):

grandodiorite, granite, hornblende gneiss, amphibolite gneiss, eocene, proterozoic to paleozoic, polymetallic veins, disseminated copper-molybdenum sulphides, molybdenite, pyrite, chalcopyrite, pyrrhotite, chalcopyrite, galena, arsenopyrite.

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: 27316, 27855, 30365, 33152, 34573

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TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			
Ground, mapping	_____	_____	_____
Photo interpretation	_____	_____	_____
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic	_____	_____	_____
Electromagnetic	_____	_____	_____
Induced Polarization	_____	_____	_____
Radiometric	_____	_____	_____
Seismic	_____	_____	_____
Other	_____	_____	_____
Airborne	_____	_____	_____
GEOCHEMICAL (number of samples analysed for...)			
Soil	_____	_____	_____
Silt	_____	_____	_____
Rock	_____	_____	7310.01
Other	_____	_____	_____
DRILLING (total metres; number of holes, size)			
Core	_____	_____	_____
Non-core	_____	_____	_____
RELATED TECHNICAL			
Sampling/assaying	_____	_____	_____
Petrographic	_____	_____	_____
Mineralographic	_____	_____	_____
Metallurgic	_____	_____	_____
PROSPECTING (scale, area)			
PREPARATORY / PHYSICAL			
Line/grid (kilometres)	_____	_____	_____
Topographic/Photogrammetric (scale, area)	_____	_____	_____
Legal surveys (scale, area)	_____	_____	_____
Road, local access (kilometres)/trail	_____	_____	_____
Trench (metres)	_____	_____	_____
Underground dev. (metres)	_____	_____	_____
Other	_____	_____	_____
		TOTAL COST:	7310.01

SUMMARY

The Titan property lies on the southwest side of Tagish Lake within the Coast Mountains of northwestern British Columbia. It consists of seven contiguous mineral claims totalling 2548.81 hectares roughly 38 kilometers west of the town of Atlin, and 115 kilometers south of Whitehorse, YT. The property is centered at 59° 28' 29" N and longitude 134° 20' 7" W on map sheets 104M/08 and 104M/09, within the Atlin Mining Division,

The Atlin mining district has a rich history of exploration dating back to the early 20th century, when explorers flooded the area following the Klondike gold rush. Early exploration in the area led to the discovery of the Engineer Gold Mine and the mine at Ben-My-Chree, also situated at the southern end of Tagish Lake.

The Titan property hosts several historic mineral showings such as the Buchan Creek, Rupert, White Moose, Silver King, Fee Glacier, and Titan showings. Extensive work has been conducted on the Titan property since the early 1980's, including geological mapping, extensive soil sampling, trenching, and numerous airborne and ground based geophysical surveys. Limited drilling has been conducted at the Titan showing atop White Moose Mountain.

The 2018 program consisted of 1 field day, and entailed the collection of seven rock samples collected from mineralized outcrop at the Buchan Creek showing. Rock samples are of white quartz containing disseminated to semi-massive galena and chalcopyrite, disseminated pyrite, and minor malachite and azurite. Samples returned values up to 11.7 g/ton Au, >10000 ppm Pb, >100 ppm Ag, 1368.5 ppm As, 8139 ppm Cu, and 651 ppm Zn. Elevated antimony and tellurium values (up to >2000.0 ppm and >1000.0 ppm respectively) were associated with high copper, silver, and arsenic values.

An induced polarization grid consisting of east-west lines spaced 50 meters apart and with 25 meter dipole spacing is recommended to cover the Buchan Creek showing. IP lines should extend 300 meters to the east and west of the Buchan Creek vein and 400 meters to the north and south of the main showing. The results of this preliminary survey will determine the extent and type of follow-up work required for this mineral occurrence. The area surrounding Buchan Creek

showing is above the tree line and mostly free of vegetation, as such geological mapping and prospecting can be done with ease, and an extensive mapping and prospecting program is recommended on the north-facing slope of Buchan Creek to coincide with geophysical data.

**GEOLOGICAL REPORT ON THE TITAN PROPERTY,
ATLIN MINING DIVISION, BRITISH COLUMBIA**

Latitude: 59° 28' 29" N

Longitude: 134° 20' 7" W

NTS Map Sheet: 104M/08 and 104M/09

Atlin Mining Division, British Columbia

For

DeCoors Mining Corp.

6204 – 125th Street,

Surrey, British Columbia V3X 2E1

By

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John Buckle, P.Geo

May 9, 2019

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INTRODUCTION

The Titan property is comprised of seven mineral tenures totalling 2548.81 hectares, situated along the shore of Tagish Lake roughly 38 kilometers west of the town of Atlin, British Columbia. The property has a rich history of exploration dating back to prospector of the early 20th century. In more recent years the Titan property has been subject to intensive geochemical and geophysical exploration by various operators, and is host to numerous mineral occurrences including the Buchan Creek, Titan, Rupert, Silver King, Fee Glacier, and White Moose showings.

The property lies at the contact of the Boundary Ranges Metamorphic Suite and the Coast Intrusive Suite. Mineralization on the property includes polymetallic quartz veins and shear zones (Buchan Creek, Rupert, White Moose, Fee Glacier, Silver King showings) and molybdenum-copper porphyry style mineralization (the Titan showing).

Tenures

The Titan property is comprised of seven contiguous mineral claims totalling 2548.81 hectares, centered at latitude 59° 28' 29" N and longitude 134° 20' 7" W on map sheets 104M/08 and 104M/09. It is located roughly 38 kilometers west of the Town of Atlin, British Columbia, 144 kilometers south of Whitehorse, YT, and 56 kilometers east of Skagway, Alaska, in the Atlin Mining Division.

Claim Name	Tenure Number	Percent Ownership	Tenure Type	Area (ha)
TITAN SHORE	1048307	100	Mineral	115.1044
TITAN TOP	1059176	100	Mineral	295.7498
TITAN LINK	1051006	100	Mineral	65.7511
TITAN PLUG	1059177	100	Mineral	180.908
TITAN CROWN	1051007	100	Mineral	82.1867
TITAN ORBIT	1059175	100	Mineral	625.0739
TITAN	1048306	100	Mineral	1184.036
Total				2548.81

Table 1: Titan property mineral tenures.

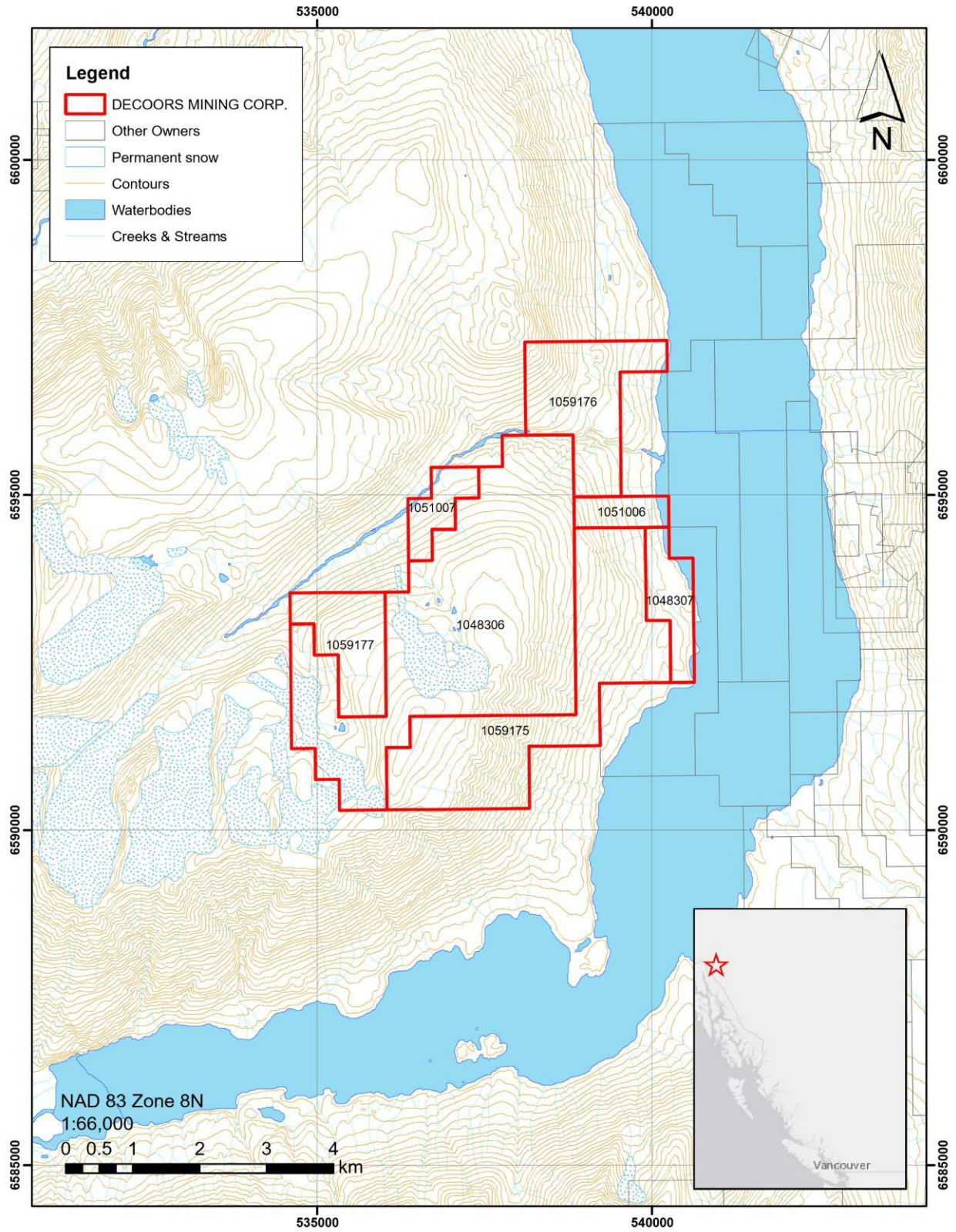


Figure 1: Titan property map.

Access and Infrastructure

Access to the property is by helicopter from the town of Atlin, roughly 38 kilometers to the east of the property. Atlin provides adequate supplies for small exploration programs and has two fixed wing air bases and a helicopter base. Additional field supplies for larger exploration program may be obtained in nearby Whitehorse, a roughly two hour drive from the town of Atline via B.C. Highway 7 and Y.T. Highway 1 (the Alaska Highway). Whitehorse also provides for the most convenient regional transportation in the area, with frequent flights to and from Vancouver.

Atlin and surrounding area has a climate typical of northern British Columbia, with shorter and milder summers and longer, colder winters. Average temperatures in the region are -12.8°C in January and 13.4°C in July. Atlin receives an average of 200 millimeters of rain and 163 centimeters of snow each year, with most of the rain arriving in late summer and early fall.

The property is characterized by alpine terrain and steep, vegetated slopes. Elevation ranges from 1986 meters at the summit of White Moose Mountain to 657 meters at the shore of Tagish Lake. The treeline lies at roughly 1280 meters, above which the terrain is dominated by talus slopes and outcropping ridges. Fee Glacier lies in a cirque to the north of White Moose Mountain's highest peak.

GEOLOGICAL SETTING

The Titan property lies at the contact between the Coast Intrusive Belt, which is comprised mainly of Late Cretaceous and Tertiary magmatic rocks, and the western margin of the Intermontane Belt. The Intermontane Belt in this area consists of Devonian to Triassic Boundary Ranges Metamorphic Suite, late Proterozoic orthogneiss (Wann River Gneiss), and metasediments. The metamorphic rocks are intruded by the Early Jurassic Aishihik Plutonic Suite.

Coast Intrusive Belt rocks in the area are part of the Sloko Plutonic Suite, often comprised of granodiorite, tonalite, or granite. The Sloko Pluton at White Moose Mountain is dominantly medium to coarse, non-foliated biotite granite to granodiorite. The Aishihik Plutonic Suite consists of fine to medium grain, foliated hornblende biotite granodiorite to diorite.

The Boundary Ranges Metamorphic Suite forms a belt of polydeformed rocks bound to the east by the Llewellyn Fault and to the west by the mainly intrusive rocks of the Coast Intrusive Belt. Rocks in this suite vary from metamorphosed pelitic to arenaceous sediments, at times carbonaceous or calcareous, through to volcanic flows and tuffs, and small to large bodies of gabbro, diorite, granodiorite, and ultramafite. The Wann River Gneiss is well foliated with millimeter to centimetre scale banding, it is cut by pegmatites and contains late epidote in patches and lenses.

Property Geology

The major units on the property are described by Mihalynuk (1999) as:

ETgr: Sloko-Hyder Plutonic suite, 53-56 Ma. Granite, biotite leucogranite, quartz monzonite, granodiorite, subvolcanic stocks, dikes, and sills. Fresh, unfoliated to weakly foliated.

EJgd: Aishihik Plutonic suite. Mid-crustal, foliated hornblende granodiorite to quartz diorite.

PPMBa: Actinolite chlorite schist and gneiss (metabasite), locally chlorite abundant, lesser epidote.

PPMBb: Biotite plagioclase quartz schist (tuffaceous non-calcareous sediment?) and lesser biotite schist.

PPMF: Semipelite quartzite interlayered with lesser amounts of biotite hornblende amphibolite gneiss, fissile mica schist, black phyllite and calc-silicate. Well foliated, locally pyritic.

PPMW: Wann River Gneiss. Hornblende biotite feldspar gneiss. Permian in age.

The Eocene Sloko-Hyder Plutonic suite (ETgr) consists of medium to coarse grained, equigranular to porphyritic granodiorite to granite. The intrusive rocks show a slight increase in quartz veining and fracture density closer to the molybdenite showing (Higgs, 2014). Rocks from this unit are well exposed on the west side of the property and on the steep, south facing slopes.

The Early Jurassic suite (EJgd) is light to medium grey equigranular to weakly porphyritic granodiorite. Some epidote+/-chlorite alteration is evident through green shades, and iron staining is common near mineral showings.

The metamorphic rocks occur on the eastern and northern part of the property. The Wann River Gneiss is interfingered with Florence Range Metamorphic Suite rocks (Mihalynuk, 1999). The Florence Range metamorphic rocks (PPMF) are mostly metapelitic and semipelitic with carbonate, amphibolite, quartzite, and instances of calc-silicate and graphite-bearing semipelitic rocks.

Mineralization

The Titan property hosts several mineral occurrences distributed around the contact between the metasedimentary rocks and the plutonic rocks. The following description of mineral occurrences on the property has been summarized from Higgs (2014).

Titan (Minfile 104M 089)

The Titan showing occurs along the contact between the Wann River Gneiss and the Eocoen Sloko-Hyder Plutonic Suite. Mineralization consists of massive, semi-massive, and disseminated molybdenite and associated chalcopyrite and pyrite. Sulphides occur disseminated in granite, in quartz veins hosted within the granitic rocks and the metasedimentary rocks at the contact. The Titan showing is a 1m x 2m zone containing up to 5% disseminated molybdenite with local high grade zones containing up to 50% molybdenite. High grade mineralization is associated with quartz flooding and vuggy quartz. Mineralization wanes within 1 to 1.5 meters to barren pyrrhotite. Granodiorite boulders found down slope of the showing display similar mineralization styles.

Alteration is argillic, sericitic, and locally strongly altered to epidote. Alteration occurs up to one kilometer from the contact zone, and a well-developed halo of pyrite is associated with parts of the metasedimentary contact. Copper skarn mineralization has also been noted 400 meters southeast of the main showing in metasedimentary country rock.

Buchan Creek (Minfile 104M 035)

The Buchan Creek showing consists of a roughly 1.1 meter wide quartz vein hosted in hornblende gneiss. The vein is of massive galena, chalcopyrite, and minor malachite and azurite in quartz. Two chip samples of the vein from 1989 average 15.43 g/ton gold, 244.8 g/ton silver, 9.85% lead,

and 0.20% copper. The vein is oriented roughly 125/80 and changes to 160/80 as it continues east.

Rupert-North (Minfile 104M 036)

The Rupert-North showing is a quartz vein in a 50 centimeter wide shear zone that is vuggy, rusty, and malachite stained. A chip sample across the shear zone taken by Placer Dome in 1990 returned values of 5.4 g/ton gold and 30 g/ton silver. A blast pit north of the shear zone has exposed a weakly developed quartz stockwork with up to 2% pyrite in a rhyolite dike.

Silver King (Minfile 104M 008)

The Silver King showing consists of narrow, discontinuous quartz veins in schists, gneisses, and granodiorites. The veins are up to 1 meter wide in shear zones, and up to 3 meters wide in granodiorite, often pinching out into barren shear zones. Veins are of massive white, locally vuggy quartz with massive to disseminated galena, pyrite, sphalerite, and minor arsenopyrite and chalcopyrite. Bulk sulphide content is generally less than 1%. Veins are trend 020 to 166 degrees and tend to dip between 50 and 80 degrees west.

Rupert-L (Minfile 104M 073)

The Rupert-L showing is a shear hosted quartz vein 20 to 50 centimeters wide which has been traced at surface for 15 meters. The quartz vein contains disseminated pyrite, galena, pyrrhotite, chalcopyrite, and sphalerite in a gangue of limonitic quartz and minor carbonate. Assays have returned values as high as 0.22 g/ton gold and 29 g/ton silver.

Fee Glacier (Minfile 104M 037)

The Fee Glacier showing is comprised of quartz veins, sweats, and shear zones located on a nunatak in the Fee Glacier. Veins are up to 25 centimeters wide and contain highly oxidized pyrite, pyrrhotite, and minor chalcopyrite and galena. Samples collected by Placer Dome in 1990 returned average values of 6.86 g/ton gold and 0.02% copper.

White Moose Showings

The White Moose showings occur along the western shore of the Taku Arm and are described as epigenetic, hydrothermal, polymetallic veins within the Boundary Ranges Metamorphic Suite.

White Moose South (Minfile 104M 010)

White Moose South consists of 1.8 to 3.0 meter wide veins with disseminated galena and chalcopyrite. A small collapsed adit and dump are located at the showing. Samples collected from the dump site returned values as high as 53.14 g/ton silver, 0.13% lead, and 0.01% copper (BCEMPR Assessment Report 8384).

White Moose B (Minfile 104M 072)

The White Moose B showing is a massive, vuggy, hematite stained quartz vein containing galena and pyrite. Samples of the vein material returned values of 71.6 g/ton silver, 1.34% lead, and 0.01% copper (BCEMPR Assessment Report 19827).

White Moose C (Minfile 104M 012)

The White Moose C showing consists of two shafts located 35 meters from one another. A roughly 40 centimeter wide quartz vein exposed in the shaft appears to follow the contact between rhyolite and schist. The vein is of galena, pyrite, chalcopyrite, and malachite in quartz. A 27 centimeter chip sample of the vein assayed 2.06 g/ton gold, 27.43 g/ton silver, 2.45% lead, and 0.01% copper (BCEMPR Assessment Report 8384)

White Moose A (Minfile 104M 009)

The White Moose A (North) showing is an adit driven on a 45 to 120 centimeter wide quartz vein containing chalcopyrite, bornite, galena, sphalerite, and malachite. A sample taken from a 17 centimeter wide vein north of the adit returned values of 0.34 g/ton silver, 0.13% lead, 0.09% zinc, and 0.09% copper (BCEMPR Assessment Report 8384).

EXPLORATION HISTORY

The Tagish Lake area has an extensive history of exploration dating back as far as 1898 (Mihalynuk, 1999). Goldfields discovered in the Klondike in 1896 caused an influx of prospectors

in the following years, with many making their way south to the Atlin Camp (Ashton, 1982). The subsequent demand for infrastructure in the area led engineers to survey a possible railway route along Tagish Lake. The engineers involved on the survey are credited with discovering gold-bearing quartz veins on the southeast shore of Tagish Lake in 1899 (Mihalynuk, 1999). These veins were mined at the Engineers Gold Mine throughout the 20th century. In more recent years, exploration has revealed mineralized vein systems and skarn mineralization around Tagish Lake thought to be related to the Llewellyn Fault Zone.

The Titan property lies to the west of the Engineer Gold Mine across Tagish Lake. The property has a rich history of exploration beginning with the discovery precious and base metal bearing veins on the north and east slope of White Moose Mountain by early prospectors, referred to as the Rupert showing (Higgs, 2014).

In 1979 United Keno Hill Mines Ltd. (UKHM) staked the Fee claims, which covered the Rupert showing, and conducted extensive geological and geochemical surveys. UKHM subsequently optioned the claims to Rise Resources in 1986. Rise Resources confirmed the historic soil geochemical anomalies but performed no further work.

The property was optioned to Placer Dome in 1989, who conducted mapping, geochemical sampling, geophysical surveys, and trenching on the showings. Placer Dome had limited success and the claims were allowed to lapse. During this period of exploration workers noted porphyry style copper-molybdenum mineralization recently exposed by a receding glacier at the headwaters of Buchan Creek.

In August 2002, Dennis Oullette staked the Titan claims and conducted a single day field program. The results of this program confirmed the high grade nature of the molybdenum occurrence, with samples returning values as high as 0.8% Mo (Higgs, 2014). Eagle Plains Resources Ltd. (EPL) later acquired the claims. In 2003 EPL conducted prospecting, rock, and soil sampling, as well as an induced polarization survey contracted to Aurora Geophysics Ltd., and staking of additional claims in the area to cover prospective stratigraphy.

Prospecting at the base of the receding glacier revealed massive to disseminated molybdenite mineralization in Cretaceous granodiorite boulders and in quartz veins within such boulders.

Mineralization was traced uphill and found in-situ in an outcrop between granodiorite and metasediments. A total of ten rock samples were collected, of which eight returned values greater than 0.1% Mo (Higgs, 2014). Some of the high grade Mo mineralization was noted to be associated with elevated copper, tungsten, and bismuth values. Higher grade Mo was observed to occur along the intrusive and metasedimentary contact zone, with associated chalcopyrite, malachite, and disseminated pyrite. Argillic, sericite, and epidote alteration is observed for up to one kilometer away from the contact zone.

Results from the IP survey indicated the presence of a large high chargeability anomaly in the vicinity of the mineralization observed in outcrop. In addition, a 25 to 75 meter wide zone of low resistivity was interpreted to potentially represent a fracture zone which may have provided permeability for mineralizing fluids.

In 2004 three BTW sized drill holes were completed from two locations on the property, totalling 413.6 meters. The program was based on recommendations made in a 2004 report authored by Scott Casselman, P.Geo. Drilling was conducted under an option agreement with Kobex Resources Ltd., and results are detailed in Downie (2005). Drilling intersected low grade molybdenum mineralization that appears to differ from the high grade mineralization observed in boulders at surface. The limited success of the drilling is attributed in part to the geophysical data, which was reportedly constrained by poor electrode contact. In addition, large amounts of disseminated have a significant influence on the chargeability anomalies observed in data.

In 2007 a 132 line-kilometer airborne geophysical survey was completed, including aeromagnetics and radiometrics. A soil geochemical survey was also completed to expand the historic Placer Dome soil grid. Six locations of interest were identified through the airborne geophysics. A direct correlation between magnetic lineaments and high U/Th, U/K, and Th/K anomalies was reported in the south end of the property as a promising target, in addition to five regions of interest in the northern end of the property. The soil grid reportedly located many multi-element anomalies, in particular a strong Au-Ag-Pb-Zn-Cu-As signature in the vicinity of the Rupert/Silver King and Rupert-L showings.

Exploration in 2008 consisted of a 195 line-kilometer airborne geophysical survey for both magnetics and radiometrics, and a 46 man-day field program including prospecting, mapping, and sampling. In total 27 rock samples, 53 stream sediment samples, and 301 soil samples were collected. The 2008 work verified that mineralization at the Titan-Mo showing is constrained to within 325 meters to either side of the intrusive-metasedimentary contact. Two structural features were observed that may potentially influence mineralization. The first is a fracture set at 120/58 which is host to some of the mineralization oriented sub-parallel to the main granite/gneiss contact. The second is oriented almost perpendicular to the first at 220/65. A new quartz vein discovery six kilometers to the north of the Titan-Mo showing on a similar structure (208/70) returned values of 62 g/ton gold (Higgs, 2014).

In 2011 Blue Gold Mining Inc. collected 38 rock samples for assay, 22 rock samples for petrographic analysis, and 366 soil samples. Field work was directed using results from airborne EM and magnetic data collected by SkyTEM Airborne Surveys earlier the same year, totalling 424.9 line-kilometers. Rock and soil geochemical results were not encouraging. Quartz veining was discovered at the new Hook Prospect, roughly 400-500 meters on strike to the northwest of the 2008 62 g/ton quartz vein showing, however samples of the showing did not return significant base or precious metals.

A single day field program in 2013 conducted by EPL collected 92 soil samples and four rock samples for analysis. Soil samples highlighted a potential parallel vein system to the east of the White Moose trend, extending the historic anomaly consisting of Bi, Ag, Cu, Zn, Pb, and to a lesser extent Au.

In 2017 DeCoors Mining Corp. conducted a single day field program with the intent of locating previously reported mineralized veins and conducting traverses to prospect for new vein systems. A total of 20 readings were taken in the field using a Niton portable XRF analyzer. The field day was successful in locating additional quartz veins which appear unrelated to the mineralized vein system at the Buchan showing.

2018 PROGRAM

On August 15, 2018, a four-man crew flew to the Titan property. Transportation was provided by Discovery Helicopters of Atlin, British Columbia. A total of seven rock samples were collected and submitted for analysis to Bureau Veritas in Whitehorse, Y.T.

Samples were collected from fresh outcrop at the Buchan Creek showing and sealed in ply ore bags with a unique sample identification tag and transported back to Atlin, where they were logged. Described, and subsequently submitted for analysis. At the laboratory, samples were subjected to aqua regia digest with ICP-MS finish for multi-element analysis (AQ200), and fire assay with ICP finish for gold (FA350-Au). Samples with over-limit gold values were re-analyzed with fire assay gravimetric finish (FA550-Au). Values for select elements are listed in *table 2*, and lab certificates are listed in the appendix section of this report.

Results

All seven samples were collected from different locations along the quartz vein exposure at the Buchan Creek showing. Samples are of white quartz with varying quantities of disseminated to semi-massive galena, chalcopyrite, pyrite, and minor amounts of malachite and azurite. Sulphide content ranges from trace amounts to 8%, with pyrite>galena>chalcopyrite (generally). Malachite and azurite are restricted to fracture faces, and more weathered samples contain some oxides after sulphides.

Sample No.	Au PPB	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au PPB	Sb PPM	Hg PPM	Te PPM	Au GM/T
3864	2796	374.8	>10000.0	407	62.1	259.3	3032.3	77.4	0.63	48.2	
3865	2467	269.2	8788.4	232	34.6	292.7	2735.6	31.3	0.18	9.1	
3866	2014	29.6	1192	22	22.8	127.6	1686.6	70.4	0.24	14.6	
3867	7197	291.1	7139.7	73	25.6	244.5	5326.1	67.1	0.64	17.6	
3868	392	4047.8	2540.1	208	87.2	736.3	405.1	904.7	0.43	464.2	
3869	>10000	8139	5823.1	386	>100.0	1669	13215.6	>2000.0	1.11	>1000.0	11.7
3870	815	7456	3145.7	651	>100.0	1368.5	940.8	>2000.0	0.92	805.9	

Table 2: 2018 Titan rock sample assays, selected elements.

Sample No.	Area	Location		Description	Mineralization
3864	Titan - Buchan	537627	6594348	White quartz vein with ~5% disseminated yrite, ~3% galena +/- trace chalcopyrite.	5% Py, 3% Gn, Trace Cpy
3865	Titan - Buchan	537627	6594348	White quartz vein with oxide weathering and <1% diss. Gn.	Gn <1%
3866	Titan - Buchan	537619	6594357	White quartz vein with ~5% disseminated pyrite. Oxide weathering in weathered out vugs.	5% Py
3867	Titan - Buchan	537619	6594357	White quartz with 5% diss. Py, 1% Gn and trace Cpy.	5% Py, 1% Gn, trace Cpy
3868	Titan - Buchan	537618	6594368	White quartz vein with azurite and malachite on fractured surface. Rare diss. Cpy, Py, Gn. Azurit>Malachite.	Trace Py/Gn/Cpy, Mal+Az
3869	Titan - Buchan	537618	6594368	White quartz vein with azurite and malachite on fractured surface. Rare diss. Cpy, Py, Gn. Azurit>Malachite.	Trace Py/Gn/Cpy, Mal+Az
3870	Titan - Buchan	537618	6594368	White quartz vein with azurite and malachite on fractured surface. Rare diss. Cpy, Py, Gn. Azurit>Malachite.	Trace Py/Gn/Cpy, Mal+Az

Table 3: 2018 Titan rock sample descriptions.

Sample gold values range from 392 ppb to 11.7 g/ton, averaging 3911.6 ppb. Silver values range from 22.8 ppm to >100ppm, copper values from 29.6 ppm to 8139 ppm, lead values from 1192 to >10000 ppm, and zinc from 22 ppm to 651 ppm.

Gold values show no distinct association with silver, copper, arsenic, or lead. The strongest correlations are between gold and mercury (0.632), and gold and selenium (0.658), although selenium and mercury values are not significantly elevated in most samples.

Tellurium values are elevated, in most samples, ranging from 9.1 ppm to >1000.0 ppm. Tellurium is most strongly associated with copper, arsenic, and silver values with correlation coefficients of 0.997, 0.993, and 0.908 respectively. This suggests tellurium may be a useful pathfinder element on the property in future sampling programs for copper and silver mineralization.

Antimony values are also elevated in many samples, ranging from 31.3 ppm to >2000.0 ppm. The strongest association between antimony and other metals of interest are silver (correlation coefficient of 0.896), copper (0.996), and arsenic (0.985).

In this case, the spatial relationship of the samples and their respective values bears no significance. The vein is exposed in three locations for 10 to 20 meters. Systematic channel sampling across the vein at various locations may be of interest for future exploration programs.

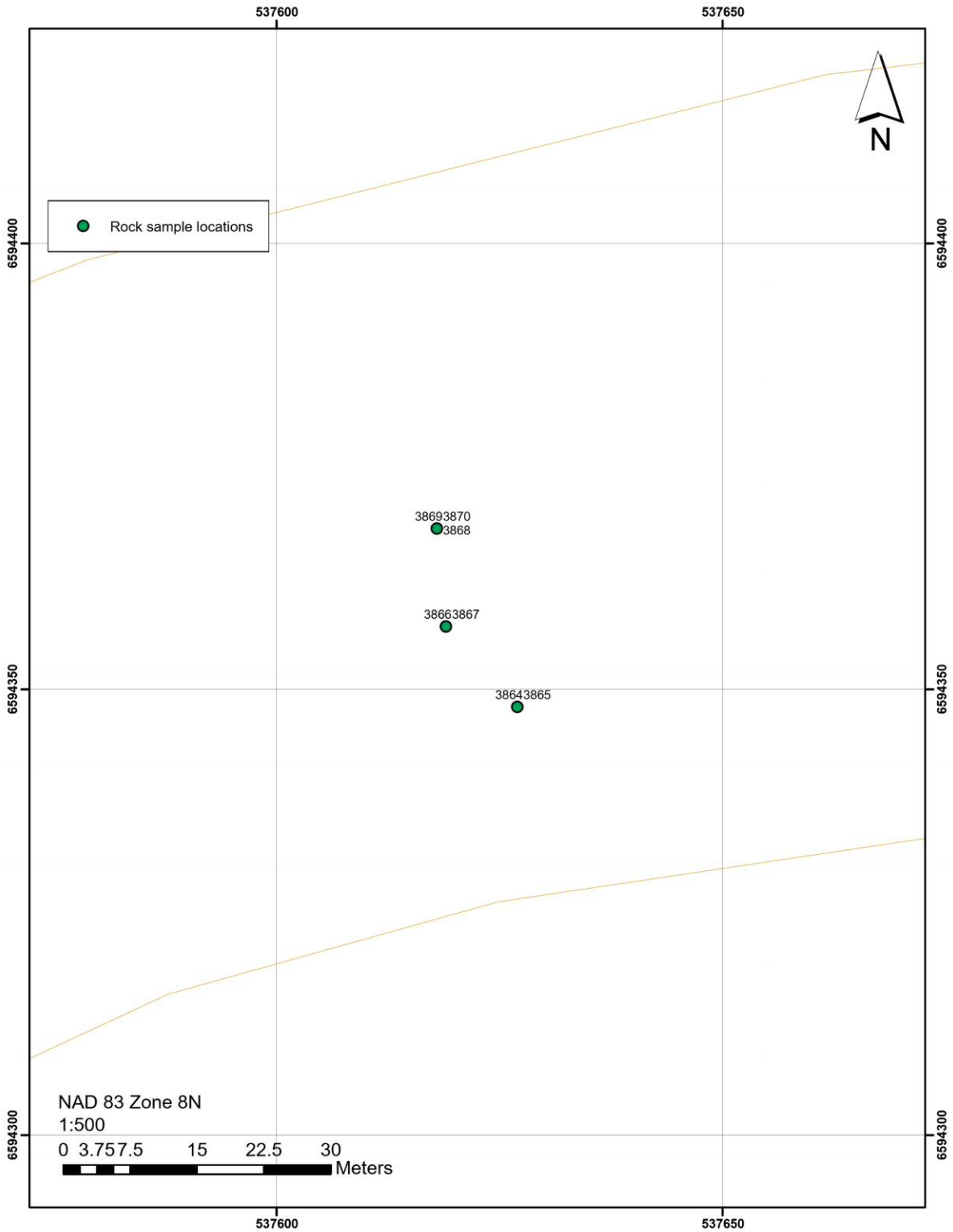


Figure 2: Sample location map for 2018 rock samples.

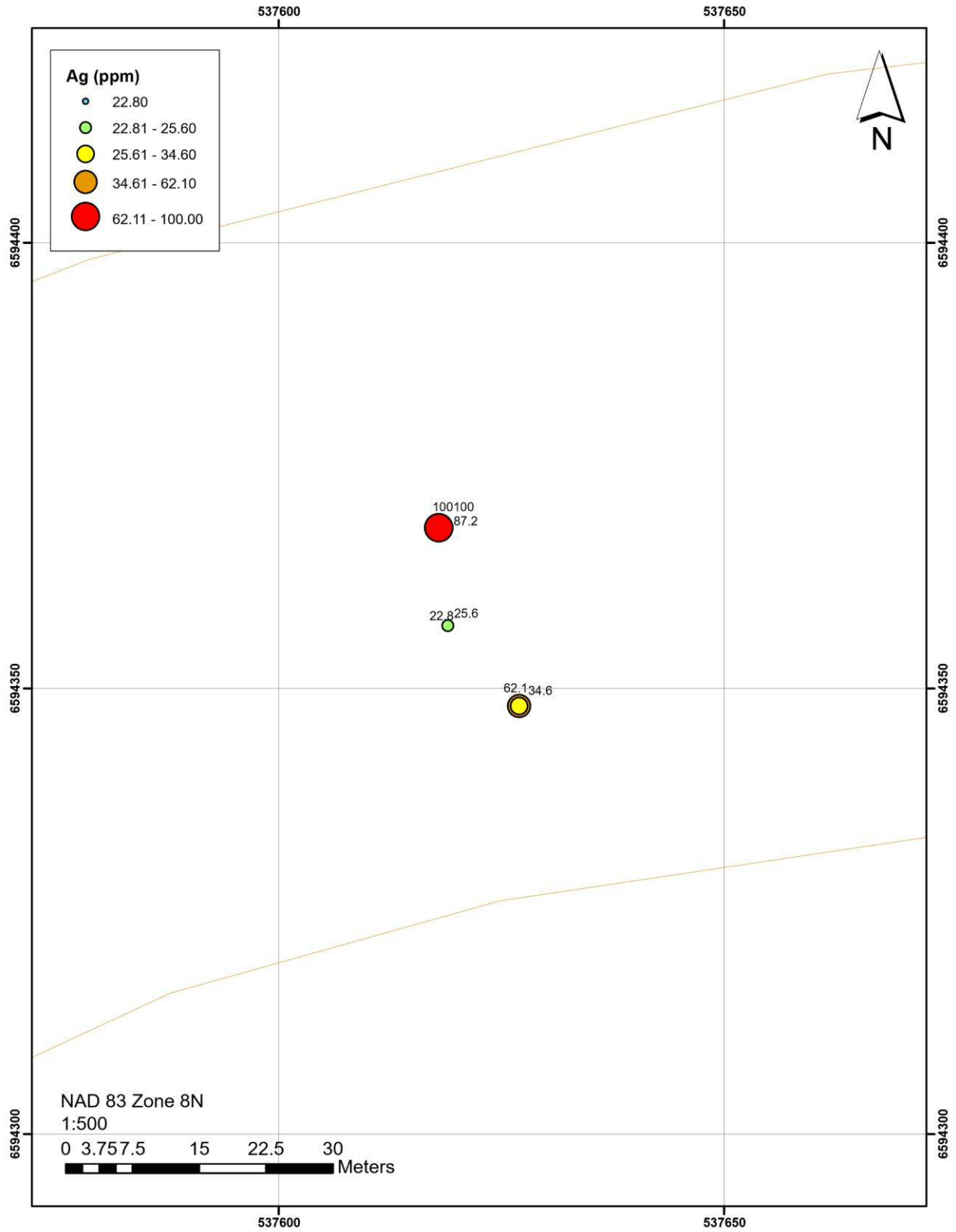


Figure 3: 2018 rock sample silver values (ppm).

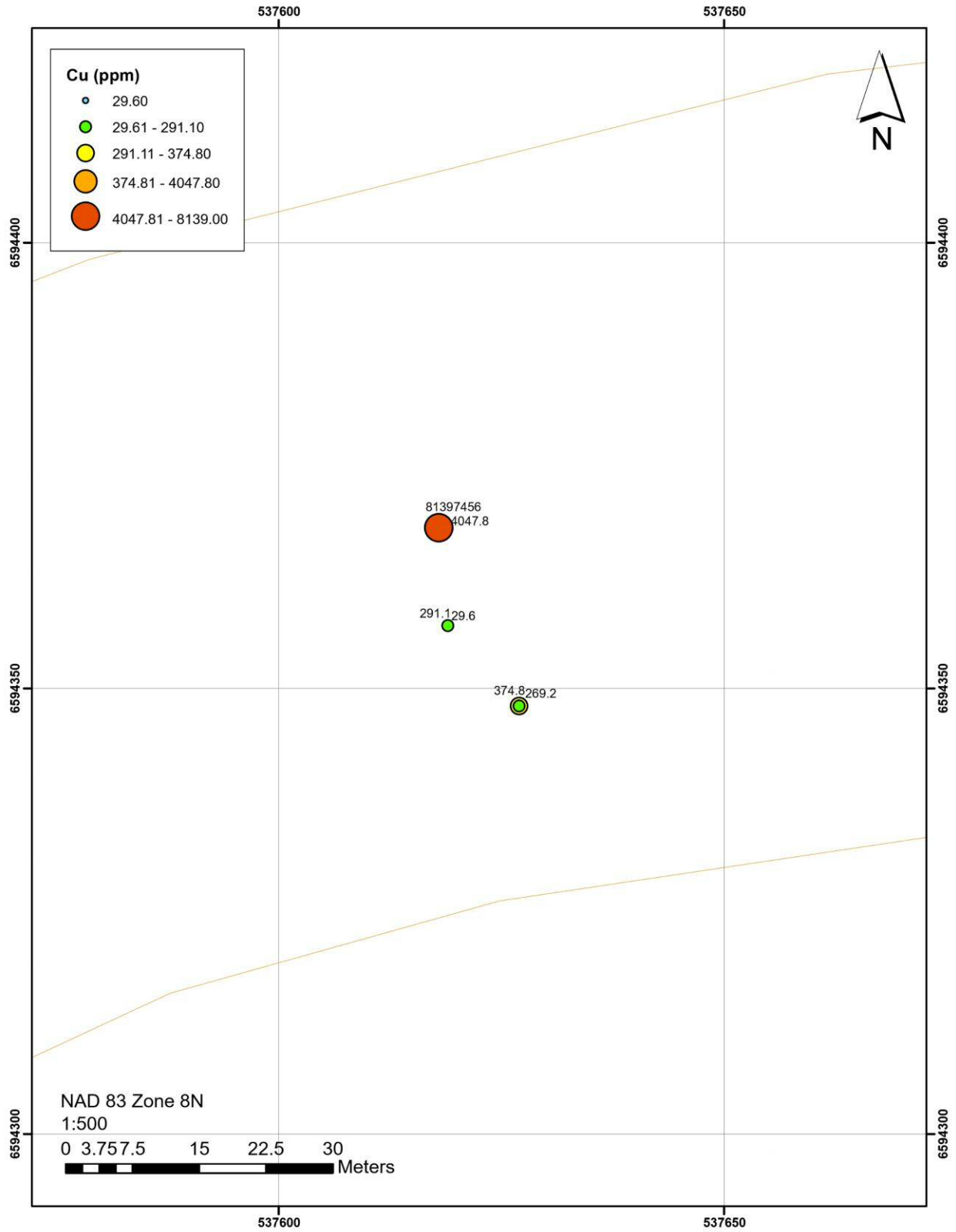


Figure 4: 2018 rack sample copper values (ppm).

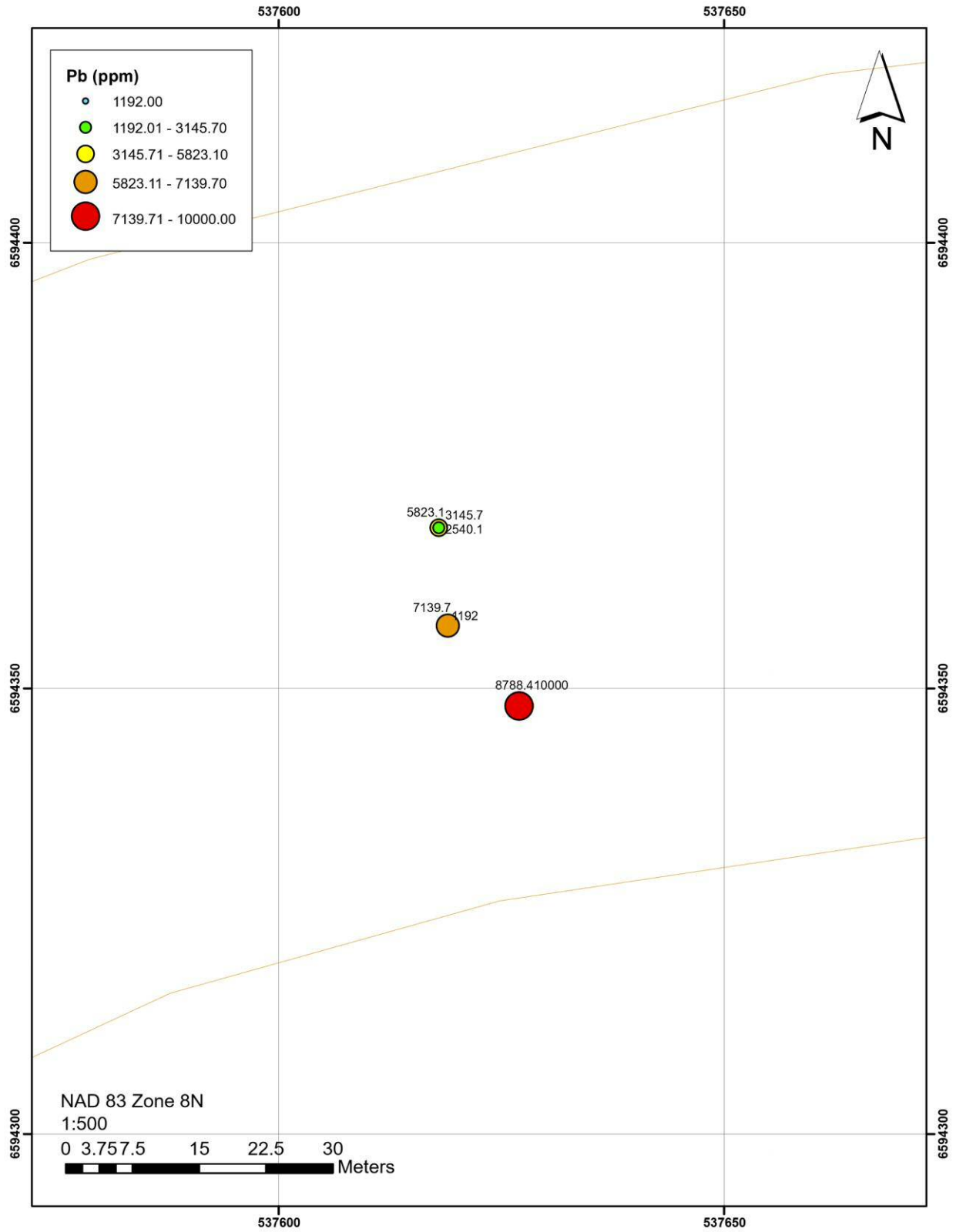


Figure 5: 2018 rock sample lead values (ppm).

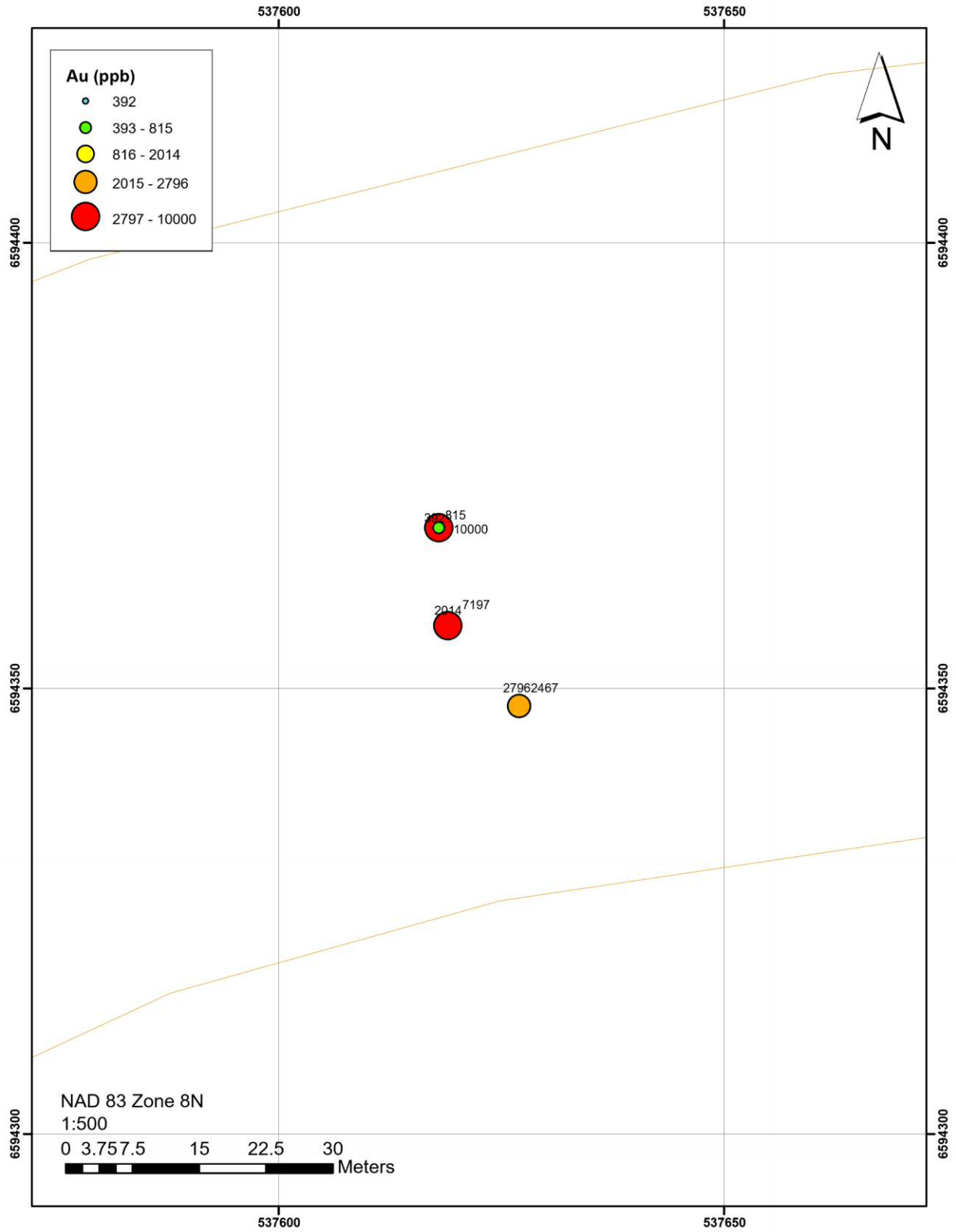


Figure 6: 2018 rock sample gold values (ppb).

CONCLUSION AND RECOMMENDATIONS

The Buchan Creek showing at the Titan property has very encouraging mineralization potential. The Buchan showing is a high grade gold-silver-lead quartz vein approximately 1-1.5 meters wide, exposed at three locations along strike at the surface and traced for 10-20 meters at each exposure. The mineralization is pyrite, galena, chalcopyrite, and minor malachite and azurite in white quartz. Sulphide content ranges from trace amounts to 8%, generally with pyrite>galena>chalcopyrite. Malachite and azurite are generally restricted to fracture faces.

Samples collected of vein material at the Buchan Creek showing assayed as high as 11.7 g/ton Au, >100 ppm Ag, 8139 ppm Cu, >10000 ppm Pb, and 1368 ppm As. Elevated antimony (31.3 ppm - >2000.0 ppm) and tellurium (9.1 ppm - >1000.0 ppm) values associated with copper, silver, and arsenic indicate that antimony and tellurium may be useful pathfinder elements in future geochemical sampling grids. Gold did not show affinity for any particular element, and was most strongly associated with mercury and selenium.

Future exploration work should focus on detailed mapping of all mineralized vein occurrences at surface, with a focus on structural orientation and alteration mapping of host lithologies. Induced polarization is also recommended across the Buchan Creek vein running east-west, and extending to the north and south. IP should be run along 500 meter lines centered roughly at 537625mE with 25 meter dipole spacing and 25 meter line separation. A total of eight lines should be completed extending north and south from 659450mN for a total of 4 line-kilometers. This should serve as a preliminary investigation, the results of which should determine the nature and extent of further work.

REFERENCES

BCEMPR Minfile, 2004. 104M 008, 104M 009, 104M 010, 104M 011, 104M 012, 104M 014, 104M 035, 104M 036, 104M 037, 104M 072, 104M 073.

Higgs, A. 2014. Geochemical and geological report for the Titan Property. Atlin Mining Division, Northwestern British Columbia. Latitude 59° 28' 12" N, longitude 134° 18' 42" W. TRIM

mapsheet 104M049. For Eagle Plains Resources Ltd. Suite 200, 44-12th Ave South, Cranbrook, BC, V1C 2R7.

Mihalynuk, MG. 1999. Geology and mineral resources of the Tagish Lake Area (NTS 104M/8, 9, 10E, 15 104N/2W), North-western British Columbia. Bulletin 105.

STATEMENT OF QUALIFICATIONS

I, JOHN BUCKLE, do hereby certify that: I am a consulting geoscientist with Geological Solutions. I am the author of this report, titled Geological Report on the Titan Property, Atlin Mining Division, British Columbia.

I further certify that:

1. I am a graduate of York University in Toronto (1980), and hold a B.Sc. degree.
2. I have been practicing my profession for the past 35 years, and have been active in the mining industry for the past 42 years.
3. This report is compiled from data obtained from DeCoors Mining Corp.
4. I am registered as a professional geoscientist with the Association of Professional Engineers and Geoscientists of British Columbia (Geophysics) #31027 and with the Association of Professional Engineers and Geoscientists of Ontario #0017.



John Buckle, P.Geo.

Geological Solutions

Dated this 9th day of May, 2019



I, Luke Andrew Wasylshyn of 15412 Deer Run Drive, Calgary, Alberta, certify that:

1. I am a graduate of the University of Calgary (2017) and hold a B.Sc. in Geology.
2. I am a Geologist-in-training with the Association of Professional Engineers and Geoscientists of Alberta No. 225568.
3. I have been employed in mineral exploration in British Columbia since 2011.
4. I supervised and participated in the 2018 Titan exploration program and am personally familiar with the geology of the Titan property and the work completed in 2018.
5. I have no personal interest in the Titan property.
6. I co-authored this report with John Buckle, P.Geo.

Dated this 9th day of May, 2019

A handwritten signature in black ink, appearing to read "Luke Wasylshyn", is written above a solid horizontal line.

Luke Wasylshyn

STATEMENT OF COSTS

Personnel	Field Days	Days	Rate	Subtotal	Totals
Luke Wasylyshyn, G.I.	15-Aug-18	1	\$ 500.00	\$ 500.00	
Matt Fraser	15-Aug-18	1	\$ 500.00	\$ 500.00	
Ryan Dix	15-Aug-18	1	\$ 400.00	\$ 400.00	
James Fraser	15-Aug-18	1	\$ 400.00	\$ 400.00	
					\$ 1,800.00
Office Studies	Personnel				
Map Preparation	Ryan Dix	1	\$ 400.00	\$ 400.00	
Report Preparation	Luke Wasylyshyn	2	\$ 500.00	\$ 1,000.00	
					\$ 1,400.00
Transportation					
Discovery Helicopters	Flight from Atlin			\$ 3,050.46	
Ford F-150	Transportation to Whiteho	1	\$ 100.00	\$ 100.00	
					\$ 3,150.46
Miscellaneous					
Radio rental		4	\$ 10.00	\$ 40.00	
Room and board	Atlin hotel and food	4 man day	\$ 150.00	\$ 600.00	
					\$ 640.00
Lab analysis	Description	Units	Rate		
PRP 70-250	Sample preparation	7	\$ 7.20	\$ 50.40	
AQ 200	Aqua regia ICP-MS	7	\$ 15.75	\$ 110.25	
FA350-Au	Fire assay ICP	7	\$ 19.50	\$ 136.50	
FA550	Fire assay gravimetric	1	\$ 22.40	\$ 22.40	
					\$ 319.55
Total					\$ 7,310.01



BUREAU VERITAS MINERAL LABORATORIES
Canada

www.bureauveritas.com/um

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Client: DeCoors Mining Corp.
PO Box 31734
Whitehorse Yukon Y1A 6L3 Canada

Submitted By: Peter Burjoski
Receiving Lab: Canada-Whitehorse
Received: September 05, 2018
Report Date: January 16, 2019
Page: 1 of 3

CERTIFICATE OF ANALYSIS

WHI18000847.1

CLIENT JOB INFORMATION

Project: None Given
Shipment ID:
P.O. Number
Number of Samples: 50

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.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	50	Crush, split and pulverize 250 g rock to 200 mesh			WHI
SLBHP	50	Sort, label and box pulps			WHI
FA350-Au	50	50g Fire assay fusion Au by ICP-ES	50	Completed	VAN
EN002	50	Environmental disposal charge-Fire assay lead waste			VAN
AQ200	50	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN
SHP01	50	Per sample shipping charges for branch shipments			VAN
FA550	2	Lead collection fire assay 50G fusion - Grav finish	50	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: DeCoors Mining Corp.
PO Box 31734
Whitehorse Yukon Y1A 6L3
Canada

CC: Luke Wasylyshyn
Matt Fraser
John Buckle
Ryan Dix



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



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Project: None Given
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Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI18000847.1

Method	WGHT	FA350	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	1	0.01	
003523	Rock	0.96	2	0.7	2.7	13.4	53	0.1	1.6	0.4	255	0.40	4.9	1.9	4.4	9	0.8	0.3	0.2	<1	0.12
003871	Rock	0.77	1091	1.0	4.2	7.1	45	0.6	12.7	1.7	292	0.58	56.9	737.9	0.7	3	0.8	1.0	<0.1	4	0.02
003872	Rock	0.72	26	0.5	5.2	7.4	62	0.2	18.5	3.2	452	0.39	20.7	51.3	0.6	3	1.8	1.0	<0.1	3	0.01
003873	Rock	1.69	49	1.0	4.3	14.2	293	0.2	81.6	2.5	1271	0.46	28.1	18.2	0.9	9	6.4	0.8	<0.1	5	0.15
003874	Rock	1.34	327	1.5	31.5	42.0	23	15.5	8.1	1.5	57	1.63	9310.9	188.2	1.1	9	0.4	43.0	0.4	8	0.02
003875	Rock	1.24	6	0.9	10.9	5.9	15	0.1	3.5	0.4	52	0.94	71.5	3.0	0.7	4	<0.1	1.3	<0.1	7	0.01
003876	Rock	1.15	9561	4.1	368.7	>10000	512	>100	0.9	3.2	43	4.40	>10000	9432.8	0.5	28	19.7	998.1	4.2	3	0.01
003877	Rock	0.60	>10000	3.2	858.7	>10000	1467	>100	1.1	1.8	39	3.70	>10000	23335.1	0.2	8	33.2	337.9	3.9	2	<0.01
003520	Rock	0.90	76	1.3	186.1	50.5	46	1.5	44.3	32.7	269	3.60	48.8	48.3	0.1	6	0.2	1.6	0.2	75	0.63
003521	Rock	3.00	3	0.4	96.0	6.2	19	0.2	63.9	30.2	312	2.85	11.9	2.3	<0.1	9	<0.1	0.2	<0.1	69	1.11
003524	Rock	1.61	<2	<0.1	11.0	0.9	21	0.1	1752.5	81.8	531	4.12	59.1	<0.5	<0.1	1	<0.1	0.4	<0.1	31	0.06
003882	Rock	1.49	<2	<0.1	96.4	1.2	25	<0.1	50.8	17.2	311	1.94	1.9	<0.5	<0.1	16	<0.1	0.2	<0.1	40	0.99
003883	Rock	1.92	14	3.4	62.2	6.6	46	0.1	12.9	4.5	266	2.18	7.1	5.1	1.8	3	<0.1	0.2	0.1	67	0.16
003884	Rock	1.44	<2	0.2	79.9	3.1	21	0.1	32.5	23.6	396	2.33	3.8	2.1	0.1	20	<0.1	0.2	<0.1	60	2.61
003885	Rock	1.47	6	0.1	10.0	3.3	54	<0.1	155.3	34.5	1615	5.28	1.5	1.1	<0.1	295	0.2	<0.1	<0.1	213	12.35
003886	Rock	1.34	4	0.2	2.5	5.4	6	0.5	3.8	0.6	134	0.41	69.6	2.4	<0.1	3	0.3	0.4	<0.1	2	0.09
003887	Rock	1.47	<2	<0.1	7.9	1.0	6	<0.1	1623.5	87.8	523	3.88	45.0	3.6	<0.1	3	<0.1	0.1	<0.1	20	0.23
003888	Rock	2.05	<2	<0.1	11.2	0.9	20	<0.1	1750.3	83.5	397	4.30	12.5	1.7	<0.1	4	<0.1	0.2	<0.1	29	0.18
003515	Rock	3.84	6	5.2	91.7	14.7	168	0.4	95.8	34.9	531	4.91	<0.5	2.1	3.1	14	0.3	0.5	0.2	156	0.53
003516	Rock	1.04	4	0.2	77.4	4.1	74	0.2	32.7	7.2	132	1.95	1.9	2.2	4.2	2	<0.1	0.3	0.1	18	0.01
003517	Rock	3.93	<2	0.5	1.8	1.5	3	<0.1	3.0	0.5	113	0.49	1.3	<0.5	<0.1	2	<0.1	<0.1	<0.1	<1	0.05
003518	Rock	1.28	7	74.0	10.5	12.0	6	0.4	10.7	3.6	31	1.79	9.2	6.3	2.3	2	0.1	0.2	0.3	4	<0.01
003861	Rock	2.25	<2	0.9	149.0	8.5	38	0.3	21.1	4.6	148	1.34	6.6	1.8	1.7	5	0.1	0.4	0.3	17	0.05
003878	Rock	1.34	10	0.6	43.6	18.8	54	0.3	56.1	15.0	1541	4.44	48.5	2.5	0.7	837	0.3	18.1	<0.1	36	8.25
003879	Rock	0.92	8	0.6	43.6	9.9	37	0.3	63.8	15.8	1301	4.43	58.3	4.0	0.8	626	0.1	12.5	<0.1	40	6.67
003880	Rock	0.61	<2	5.3	1.8	10.5	24	<0.1	2.6	3.8	1960	4.20	0.9	<0.5	5.4	231	<0.1	0.3	<0.1	9	15.62
003881	Rock	1.01	<2	1.6	5.1	8.1	34	<0.1	3.0	2.9	720	1.74	1.9	0.7	7.8	108	<0.1	0.4	<0.1	10	3.20
003519	Rock	0.88	477	0.2	344.7	6774.7	12	66.1	52.6	2.7	105	0.52	46.9	573.5	0.2	18	9.7	10.8	87.2	1	0.40
003862	Rock	5.35	67	0.3	5.4	5624.9	8	31.8	50.4	2.6	81	0.57	56.8	27.7	<0.1	9	6.5	4.1	51.5	1	0.19
003863	Rock	0.77	<2	<0.1	1.1	24.8	4	0.2	1.8	0.3	37	0.24	2.0	1.1	<0.1	70	0.1	0.1	0.8	<1	4.84



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Project: None Given
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Part: 2 of 2

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Method Analyte Unit	MDL	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	FA550
		P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Te ppm	Au gm/t
003523	Rock	0.004	12	2	0.02	49	<0.001	<20	0.23	0.120	0.06	<0.1	<0.01	0.5	<0.1	<0.05	<1	<0.5	<0.2	
003871	Rock	0.002	4	3	0.02	67	<0.001	<20	0.24	0.004	0.16	<0.1	<0.01	0.6	<0.1	<0.05	<1	<0.5	<0.2	
003872	Rock	0.004	5	3	0.02	67	<0.001	<20	0.18	0.005	0.12	<0.1	<0.01	0.6	<0.1	<0.05	<1	<0.5	<0.2	
003873	Rock	0.002	8	4	0.03	75	<0.001	<20	0.25	0.005	0.16	<0.1	<0.01	0.7	<0.1	<0.05	<1	<0.5	<0.2	
003874	Rock	0.009	3	4	0.08	68	0.003	<20	0.44	0.012	0.16	<0.1	<0.01	1.6	<0.1	0.29	2	3.3	<0.2	
003875	Rock	0.003	3	4	0.05	51	0.002	<20	0.34	0.002	0.11	<0.1	<0.01	0.9	<0.1	<0.05	1	0.5	<0.2	
003876	Rock	0.005	1	2	<0.01	48	<0.001	<20	0.15	0.003	0.12	<0.1	0.25	0.4	<0.1	1.79	1	6.2	<0.2	
003877	Rock	0.003	<1	2	<0.01	47	<0.001	<20	0.10	0.004	0.08	<0.1	0.19	0.3	<0.1	1.64	<1	4.4	0.3	21.0
003520	Rock	0.047	1	25	0.87	18	0.144	<20	1.03	0.099	0.03	0.2	<0.01	4.8	<0.1	1.06	4	1.2	<0.2	
003521	Rock	0.048	<1	51	0.88	10	0.286	<20	1.10	0.188	0.04	<0.1	<0.01	6.6	<0.1	0.72	3	0.9	<0.2	
003524	Rock	0.001	<1	999	15.89	11	0.004	26	0.55	0.002	<0.01	<0.1	<0.01	8.6	<0.1	<0.05	2	<0.5	<0.2	
003882	Rock	0.016	<1	42	1.40	807	0.154	<20	1.69	0.037	0.36	<0.1	<0.01	2.5	0.1	<0.05	2	<0.5	<0.2	
003883	Rock	0.024	5	35	0.73	137	0.127	<20	1.04	0.043	0.30	0.2	<0.01	3.0	0.1	0.12	5	0.9	<0.2	
003884	Rock	0.043	<1	23	0.59	48	0.304	<20	0.87	0.131	0.04	0.2	<0.01	4.5	<0.1	0.45	3	0.6	<0.2	
003885	Rock	0.037	<1	186	5.02	250	0.243	<20	4.35	0.004	0.63	0.1	<0.01	22.9	0.9	<0.05	11	<0.5	<0.2	
003886	Rock	<0.001	<1	3	0.03	6	0.002	<20	0.03	0.001	0.02	<0.1	<0.01	0.4	<0.1	<0.05	<1	<0.5	<0.2	
003887	Rock	0.002	<1	1249	10.68	2	0.002	<20	0.33	<0.001	<0.01	0.1	<0.01	9.8	<0.1	0.10	<1	<0.5	<0.2	
003888	Rock	<0.001	<1	1457	15.56	11	0.005	<20	0.94	0.001	<0.01	<0.1	<0.01	9.3	<0.1	<0.05	5	<0.5	<0.2	
003515	Rock	0.118	11	135	2.90	244	0.442	<20	2.97	0.045	1.09	<0.1	0.01	12.2	0.5	1.99	14	1.6	<0.2	
003516	Rock	0.010	11	15	0.81	654	0.062	<20	1.13	0.012	0.69	0.1	0.01	1.9	0.6	0.85	3	1.8	<0.2	
003517	Rock	0.003	<1	3	0.01	17	0.002	<20	0.02	0.003	<0.01	<0.1	<0.01	0.1	<0.1	<0.05	<1	<0.5	<0.2	
003518	Rock	0.008	4	4	0.03	127	0.004	<20	0.15	0.013	0.09	0.4	<0.01	0.6	<0.1	1.34	<1	3.3	0.2	
003861	Rock	0.015	6	9	0.59	398	0.065	<20	0.82	0.020	0.40	<0.1	<0.01	2.4	0.2	<0.05	3	<0.5	<0.2	
003878	Rock	0.051	7	37	2.51	54	0.001	<20	0.41	0.030	0.21	<0.1	0.03	16.4	0.1	0.11	<1	0.7	<0.2	
003879	Rock	0.063	8	46	1.94	73	0.002	<20	0.59	0.034	0.22	<0.1	0.05	13.3	0.1	<0.05	2	<0.5	<0.2	
003880	Rock	0.031	13	3	0.60	145	<0.001	<20	0.49	0.016	0.19	<0.1	<0.01	1.6	<0.1	<0.05	<1	<0.5	<0.2	
003881	Rock	0.048	20	4	0.57	106	<0.001	<20	0.52	0.039	0.29	<0.1	0.03	2.2	<0.1	<0.05	1	<0.5	<0.2	
003519	Rock	<0.001	<1	8	0.23	8	<0.001	<20	0.03	0.002	0.02	<0.1	0.08	0.4	<0.1	0.13	<1	16.8	6.7	
003862	Rock	<0.001	<1	14	0.60	5	<0.001	<20	0.03	0.003	0.02	<0.1	<0.01	0.4	<0.1	0.09	<1	8.6	1.6	
003863	Rock	0.005	<1	2	0.03	44	<0.001	<20	<0.01	0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	



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CERTIFICATE OF ANALYSIS

WHI18000847.1

Method	WGHT	FA350	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	1	0.01	
003523	Rock	4.05	2396	1.3	9631.5	4236.1	1824	>100	1.3	0.7	218	0.69	2182.9	2700.3	<0.1	4	67.1	>2000	1.6	1	0.03
003864	Rock	0.75	2796	5.3	374.8	>10000	407	62.1	2.2	1.2	43	3.21	259.3	3032.3	0.5	5	8.1	77.4	1.0	4	0.04
003865	Rock	1.04	2467	1.6	269.2	8788.4	232	34.6	0.9	0.5	38	3.54	292.7	2735.6	0.1	1	1.0	31.3	0.6	<1	<0.01
003866	Rock	1.17	2014	0.2	29.6	1192.0	22	22.8	1.1	0.6	37	1.28	127.6	1686.6	<0.1	<1	0.6	70.4	<0.1	<1	<0.01
003867	Rock	0.92	7197	1.4	291.1	7139.7	73	25.6	1.1	1.1	43	2.31	244.5	5326.1	0.1	2	1.8	67.1	0.1	<1	<0.01
003868	Rock	0.95	392	1.0	4047.8	2540.1	208	87.2	0.6	1.1	148	0.51	736.3	405.1	<0.1	<1	16.8	904.7	<0.1	1	<0.01
003869	Rock	1.18	>10000	1.5	8139.0	5823.1	386	>100	1.0	0.3	56	0.84	1669.0	13215.6	0.2	2	44.4	>2000	<0.1	2	0.02
003870	Rock	1.32	815	0.8	7456.0	3145.7	651	>100	1.1	0.7	147	0.52	1368.5	940.8	<0.1	3	42.2	>2000	<0.1	1	0.02
003525	Rock	1.76	53	53.7	129.1	40.5	65	2.0	26.9	10.5	107	2.58	13.6	15.6	4.4	7	0.3	7.6	0.5	11	0.02
003526	Rock	1.31	18	14.1	90.0	18.7	108	0.7	36.3	9.1	336	2.35	19.0	2.1	3.9	19	1.3	5.4	0.4	15	0.28
003527	Rock	3.48	10	3.3	91.2	10.1	83	0.5	31.5	9.2	222	2.06	1.3	1.1	2.6	4	0.2	1.5	0.2	15	0.03
003851	Rock	0.57	5	0.7	36.0	5.2	81	0.2	9.3	24.5	1781	4.06	28.6	1.2	1.7	473	0.2	1.2	<0.1	32	5.10
003853	Rock	1.42	4	0.5	19.9	4.2	65	0.1	15.2	23.3	967	4.33	2.4	<0.5	1.4	139	0.3	0.5	<0.1	73	3.60
003854	Rock	1.26	65	7.3	92.7	9.7	83	0.4	38.6	8.7	257	2.16	8.5	17.4	3.4	14	0.4	1.1	0.3	15	0.16
003855	Rock	1.32	5	1.1	28.7	7.5	79	0.3	22.4	5.5	955	1.28	2.7	1.9	1.1	78	0.8	0.9	<0.1	5	1.14
003528	Rock	1.41	6	5.3	8.2	8.4	3	0.3	2.5	0.4	54	0.88	2.2	4.1	0.9	15	<0.1	0.9	<0.1	7	0.01
003529	Rock	1.92	2	1.6	11.7	5.7	56	0.1	19.0	2.4	55	0.89	1.2	<0.5	1.4	3	<0.1	0.6	<0.1	4	0.03
003530	Rock	0.79	4	0.3	37.6	3.0	11	0.3	7.5	1.5	57	0.58	3.7	1.1	0.5	<1	<0.1	0.5	<0.1	2	<0.01
003531	Rock	1.33	6	0.2	7.1	2.7	5	0.2	3.1	0.5	48	0.39	2.7	4.6	<0.1	<1	<0.1	0.8	<0.1	<1	<0.01
003889	Rock	2.97	5	2.1	2.5	4.8	6	0.2	1.8	0.5	46	0.69	0.9	4.5	2.6	6	<0.1	0.2	<0.1	6	<0.01



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Project: None Given
Report Date: January 16, 2019

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CERTIFICATE OF ANALYSIS

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Method	Analyte	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	FA550
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Au
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	gm/t
MDL		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	0.9	
003523	Rock	0.002	<1	2	<0.01	364	<0.001	<20	0.02	0.002	0.02	0.6	2.66	0.1	<0.1	0.46	<1	10.7	763.5	
003864	Rock	0.007	1	4	<0.01	225	0.001	<20	0.07	0.001	0.04	0.2	0.63	0.3	<0.1	2.22	<1	2.1	48.2	
003865	Rock	0.002	<1	2	<0.01	43	<0.001	<20	0.02	0.002	<0.01	<0.1	0.18	0.1	<0.1	0.23	<1	0.9	9.1	
003866	Rock	<0.001	<1	2	<0.01	29	<0.001	<20	0.01	0.002	<0.01	<0.1	0.24	<0.1	<0.1	0.90	<1	2.1	14.6	
003867	Rock	0.003	<1	2	<0.01	144	<0.001	<20	0.02	0.002	0.01	0.1	0.64	0.1	<0.1	1.88	<1	1.3	17.6	
003868	Rock	0.002	<1	2	<0.01	66	<0.001	<20	0.03	<0.001	0.02	<0.1	0.43	0.2	<0.1	0.08	<1	3.6	464.2	
003869	Rock	0.008	1	3	<0.01	50	<0.001	<20	0.05	0.002	0.04	<0.1	1.11	0.2	<0.1	0.13	<1	12.7	>1000	11.7
003870	Rock	0.006	<1	2	<0.01	273	<0.001	<20	0.03	<0.001	0.03	<0.1	0.92	0.1	<0.1	0.21	<1	8.0	805.9	
003525	Rock	0.025	8	6	0.05	362	0.002	<20	0.36	0.022	0.22	<0.1	<0.01	1.1	<0.1	1.19	<1	3.9	7.3	
003526	Rock	0.069	5	4	0.28	324	0.002	<20	0.49	0.006	0.22	0.1	<0.01	1.4	<0.1	1.08	<1	1.8	2.9	
003527	Rock	0.019	6	9	0.48	342	0.015	<20	0.75	0.012	0.28	<0.1	0.01	1.5	0.1	0.52	2	1.0	1.3	
003851	Rock	0.232	7	1	2.65	219	<0.001	<20	1.62	0.007	0.36	<0.1	<0.01	10.5	0.2	0.42	2	<0.5	0.2	
003853	Rock	0.140	13	1	1.55	484	0.003	<20	2.23	0.035	0.29	<0.1	<0.01	5.1	<0.1	0.14	6	<0.5	0.2	
003854	Rock	0.027	8	7	0.24	395	0.006	<20	0.54	0.013	0.24	<0.1	0.01	1.5	0.1	0.20	1	1.4	0.5	
003855	Rock	0.014	4	3	0.40	138	0.002	<20	0.26	0.014	0.11	<0.1	<0.01	3.1	<0.1	<0.05	<1	<0.5	0.8	
003528	Rock	0.018	3	5	0.02	162	0.002	<20	0.14	0.025	0.09	<0.1	<0.01	0.4	<0.1	0.11	<1	<0.5	0.8	
003529	Rock	0.020	6	4	0.11	229	0.003	<20	0.29	0.015	0.08	<0.1	<0.01	0.9	<0.1	<0.05	1	<0.5	0.3	
003530	Rock	0.003	2	2	0.02	136	<0.001	<20	0.09	0.005	0.04	<0.1	<0.01	0.4	<0.1	<0.05	<1	<0.5	0.4	
003531	Rock	0.002	<1	2	<0.01	35	<0.001	<20	0.03	0.001	<0.01	<0.1	<0.01	0.1	<0.1	<0.05	<1	<0.5	0.4	
003889	Rock	0.005	14	4	0.11	255	0.003	<20	0.39	0.007	0.20	<0.1	<0.01	0.7	<0.1	<0.05	<1	<0.5	<0.2	



QUALITY CONTROL REPORT

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Method	WGHT	FA350	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	1	0.01	
Pulp Duplicates																					
003877	Rock	0.60	>10000	3.2	858.7	>10000	1467	>100	1.1	1.8	39	3.70	>10000	23335.1	0.2	8	33.2	337.9	3.9	2	<0.01
REP 003877	QC																				
003520	Rock	0.90	76	1.3	186.1	50.5	46	1.5	44.3	32.7	269	3.60	48.8	48.3	0.1	6	0.2	1.6	0.2	75	0.63
REP 003520	QC			1.2	187.9	48.0	47	1.5	43.5	32.6	261	3.54	47.9	52.0	0.1	6	0.2	1.4	0.2	74	0.62
003888	Rock	2.05	<2	<0.1	11.2	0.9	20	<0.1	1750.3	83.5	397	4.30	12.5	1.7	<0.1	4	<0.1	0.2	<0.1	29	0.18
REP 003888	QC		<2																		
003870	Rock	1.32	815	0.8	7456.0	3145.7	651	>100	1.1	0.7	147	0.52	1368.5	940.8	<0.1	3	42.2	>2000	<0.1	1	0.02
REP 003870	QC			0.8	7285.0	3047.4	641	>100	1.1	0.8	141	0.51	1322.6	865.8	<0.1	3	39.0	>2000	<0.1	1	0.02
REP 003854	QC		50																		
Core Reject Duplicates																					
003521	Rock	3.00	3	0.4	96.0	6.2	19	0.2	63.9	30.2	312	2.85	11.9	2.3	<0.1	9	<0.1	0.2	<0.1	69	1.11
DUP 003521	QC		5	0.4	96.7	5.7	20	0.2	64.2	30.1	350	3.06	12.9	5.6	<0.1	10	<0.1	0.2	<0.1	78	1.28
003854	Rock	1.26	65	7.3	92.7	9.7	83	0.4	38.6	8.7	257	2.16	8.5	17.4	3.4	14	0.4	1.1	0.3	15	0.16
DUP 003854	QC		48	5.7	84.8	8.8	77	0.4	36.4	8.1	298	2.08	8.0	16.5	3.0	10	0.7	0.8	0.3	12	0.14
Reference Materials																					
STD AGPROOF	Standard																				
STD DS11	Standard			13.6	158.4	139.6	364	1.6	77.0	14.0	1013	3.02	42.7	53.9	7.3	61	2.3	7.1	10.4	46	1.03
STD DS11	Standard			12.4	145.5	137.0	323	1.7	80.9	13.5	957	2.83	40.1	51.5	6.6	61	2.5	7.7	10.8	44	0.97
STD DS11	Standard			14.2	153.9	143.4	342	1.7	78.8	13.7	1068	3.13	43.6	90.5	7.6	68	2.5	6.8	12.2	50	1.08
STD DS11	Standard			15.0	156.7	147.3	345	1.8	83.5	13.9	1057	3.19	42.9	51.3	8.2	72	2.3	8.3	12.8	51	1.08
STD OREAS262	Standard			0.8	124.7	60.3	157	0.5	67.4	29.4	562	3.41	37.9	68.6	9.5	39	0.8	3.5	1.1	23	3.06
STD OREAS45EA	Standard			1.6	703.2	13.8	30	0.2	393.8	53.0	401	20.85	11.6	49.4	10.8	4	<0.1	0.3	0.2	297	0.03
STD OREAS45EA	Standard			1.4	688.7	16.1	31	0.3	393.7	50.9	390	21.01	11.4	54.9	10.1	3	<0.1	0.5	0.3	312	0.03
STD OREAS45EA	Standard			1.6	744.5	16.5	33	0.3	395.5	54.4	421	24.42	11.3	80.9	11.7	4	<0.1	0.2	0.3	345	0.03
STD OREAS45EA	Standard			1.9	741.1	15.9	33	0.3	423.7	56.0	429	23.82	12.5	64.4	11.7	5	<0.1	0.4	0.3	325	0.03
STD OXC145	Standard		213																		
STD OXC145	Standard		202																		
STD OXC145	Standard		215																		



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Project: None Given
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QUALITY CONTROL REPORT

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Method		AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	FA550
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Au
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	gm/t
MDL		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.9
Pulp Duplicates																				
003877	Rock	0.003	<1	2	<0.01	47	<0.001	<20	0.10	0.004	0.08	<0.1	0.19	0.3	<0.1	1.64	<1	4.4	0.3	21.0
REP 003877	QC																			21.2
003520	Rock	0.047	1	25	0.87	18	0.144	<20	1.03	0.099	0.03	0.2	<0.01	4.8	<0.1	1.06	4	1.2	<0.2	
REP 003520	QC	0.044	<1	25	0.85	18	0.137	<20	1.01	0.101	0.04	0.2	<0.01	5.1	<0.1	1.05	4	1.6	<0.2	
003888	Rock	<0.001	<1	1457	15.56	11	0.005	<20	0.94	0.001	<0.01	<0.1	<0.01	9.3	<0.1	<0.05	5	<0.5	<0.2	
REP 003888	QC																			
003870	Rock	0.006	<1	2	<0.01	273	<0.001	<20	0.03	<0.001	0.03	<0.1	0.92	0.1	<0.1	0.21	<1	8.0	805.9	
REP 003870	QC	0.006	<1	2	<0.01	259	<0.001	<20	0.03	0.002	0.02	<0.1	0.82	<0.1	<0.1	0.20	<1	8.1	786.4	
REP 003854	QC																			
Core Reject Duplicates																				
003521	Rock	0.048	<1	51	0.88	10	0.286	<20	1.10	0.188	0.04	<0.1	<0.01	6.6	<0.1	0.72	3	0.9	<0.2	
DUP 003521	QC	0.049	<1	58	0.98	11	0.301	<20	1.23	0.200	0.04	<0.1	<0.01	7.5	<0.1	0.74	3	1.1	<0.2	
003854	Rock	0.027	8	7	0.24	395	0.006	<20	0.54	0.013	0.24	<0.1	0.01	1.5	0.1	0.20	1	1.4	0.5	
DUP 003854	QC	0.023	8	6	0.23	373	0.006	<20	0.48	0.012	0.22	<0.1	<0.01	1.3	0.1	0.15	1	0.9	0.5	
Reference Materials																				
STD AGPROOF	Standard																			<0.9
STD DS11	Standard	0.063	18	56	0.80	374	0.091	<20	1.09	0.069	0.39	2.8	0.25	3.1	5.1	0.27	5	2.3	4.7	
STD DS11	Standard	0.061	16	58	0.80	363	0.085	<20	1.05	0.067	0.38	2.8	0.26	2.8	4.9	0.26	4	1.7	4.1	
STD DS11	Standard	0.072	18	61	0.84	422	0.099	<20	1.14	0.073	0.40	2.9	0.25	3.2	5.1	0.30	5	2.3	4.8	
STD DS11	Standard	0.071	19	60	0.86	437	0.101	<20	1.18	0.077	0.41	2.9	0.30	3.3	5.2	0.30	5	2.1	4.6	
STD OREAS262	Standard	0.038	16	44	1.24	265	0.004	<20	1.29	0.076	0.32	0.1	0.18	3.4	0.5	0.28	4	<0.5	0.3	
STD OREAS45EA	Standard	0.026	7	881	0.09	138	0.097	<20	3.28	0.021	0.05	<0.1	<0.01	78.9	<0.1	<0.05	13	1.1	<0.2	
STD OREAS45EA	Standard	0.029	7	921	0.10	143	0.096	<20	3.17	0.021	0.05	<0.1	0.01	78.2	<0.1	<0.05	12	<0.5	<0.2	
STD OREAS45EA	Standard	0.028	8	935	0.11	165	0.108	<20	3.32	0.022	0.06	<0.1	<0.01	81.0	<0.1	<0.05	14	1.3	<0.2	
STD OREAS45EA	Standard	0.028	8	864	0.11	163	0.112	<20	3.48	0.026	0.06	<0.1	<0.01	85.1	<0.1	<0.05	15	1.9	<0.2	
STD OXC145	Standard																			
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Project: None Given
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QUALITY CONTROL REPORT

WHI18000847.1

		WGHT	FA350	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	1	0.01
STD OXH139	Standard		1276																		
STD OXH139	Standard		1377																		
STD OXH139	Standard		1314																		
STD OXQ114	Standard																				
STD SP49	Standard																				
STD OREAS45EA Expected				1.6	709	14.3	31.4	0.26	381	52	400	22.65	11.4	53	10.7	4.05	0.03	0.32	0.26	303	0.036
STD DS11 Expected				13.9	149	138	345	1.71	77.7	14.2	1055	3.1	42.8	79	7.65	67.3	2.37	7.2	12.2	50	1.063
STD OREAS262 Expected				0.68	118	56	154	0.45	62	26.9	530	3.284	35.8	72	9.33	36	0.61	3.39	0.98	22.5	2.98
STD OXC145 Expected			212																		
STD OXH139 Expected			1312																		
STD AGPROOF Expected																					
STD SP49 Expected																					
STD OXQ114 Expected																					
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	0.1	<0.1	<1	<0.01
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		4																		
BLK	Blank		<2																		
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank																				
Prep Wash																					
ROCK-WHI	Prep Blank		<2	1.0	4.2	4.4	42	<0.1	1.4	3.7	500	1.80	1.5	<0.5	2.1	24	0.2	<0.1	<0.1	25	0.68
ROCK-WHI	Prep Blank		3	0.9	5.4	1.7	49	<0.1	0.6	3.6	480	1.67	1.2	1.3	2.0	22	0.1	<0.1	0.2	21	0.64



QUALITY CONTROL REPORT

WHI18000847.1

		AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	FA550		
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Au	
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	gm/t	
		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.9	
STD OXH139	Standard																				
STD OXH139	Standard																				
STD OXH139	Standard																				
STD OXQ114	Standard																				35.3
STD SP49	Standard																				18.4
STD OREAS45EA Expected		0.029	7.06	849	0.095	148	0.0984	3.32	0.02	0.053				78	0.072	0.036	12.4	0.78	0.1		
STD DS11 Expected		0.0701	18.6	61.5	0.85	417	0.0976	1.129	0.0694	0.4	2.9	0.26	3.1	4.9	0.2835	4.7	2.2	4.56			
STD OREAS262 Expected		0.04	15.9	41.7	1.17	248	0.003	1.204	0.071	0.295	0.13	0.17	3.24	0.47	0.253	3.73	0.4	0.23			
STD OXC145 Expected																					
STD OXH139 Expected																					
STD AGPROOF Expected																					0
STD SP49 Expected																					18.34
STD OXQ114 Expected																					35.2
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2		
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2		
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2		
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				<0.9
Prep Wash																					
ROCK-WHI	Prep Blank	0.035	6	2	0.45	56	0.085	<20	1.00	0.095	0.11	<0.1	<0.01	3.1	<0.1	<0.05	4	<0.5	<0.2		
ROCK-WHI	Prep Blank	0.036	6	2	0.42	58	0.071	<20	0.91	0.090	0.10	0.1	<0.01	2.9	<0.1	0.06	3	<0.5	<0.2		