ASSESSMENT REPORT ON 2019 SOIL GEOCHEMISTRY, PROSPECTING AND PETROGRAPHY AT THE

TAUT PROJECT

YMEP FOCUSED REGIONAL PROJECT 19- 011

CLAIMS: **TAUT 1 - 36: YD132101 – YD132136**

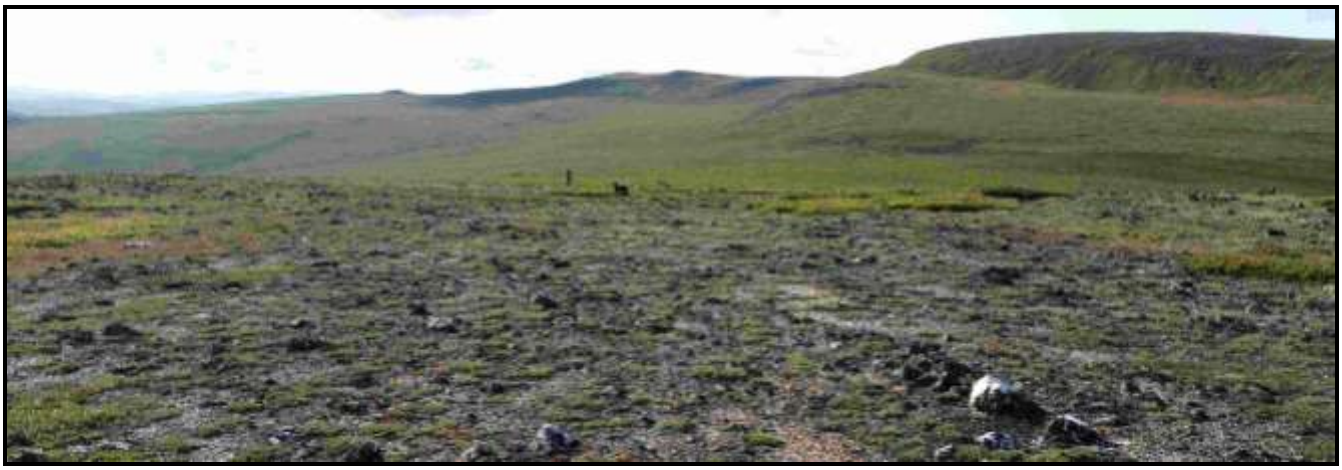
NTS 115H/15

Latitude 61°46'N; Longitude 136°47'W

Whitehorse Mining District, Yukon, CANADA

Prepared By The Claim Owners: William Mann, P.Geo. and Roger Hulstein, P.Geo.

Field Work Conducted August 5 – 11, 2019



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1.0 EXECUTIVE SUMMARY

The purpose of this report on the Taut project (YMEP 2019-011) is to fulfill obligations arising from funding obtained through the Yukon Mineral Exploration Program (YMEP) and to fulfill the requirements for claim assessment credit. This report describes and summarizes the geological and geochemical results obtained in 2019 from a seven day field program carried out from August 5 – August 11, 2019 by the authors.

The Taut Project is located in west central Yukon, approximately 150 kilometres northwest of Whitehorse, Yukon. The all – weather North Klondike Highway is located about 40 kilometers to the east. Access in 2019 was by helicopter based out of Whitehorse. In June 2019 a total of 36 Yukon Quartz Claims (Taut 1-36) were staked in the center of the project area to cover a historic zone of diamond drilling and most of the known anomalous soil and rock geochemistry. The claims are registered in the name of William Mann (100%).

The property is located within the traditional territories of the Little Salmon Carmacks First Nation (LSCFN) and the Champagne and Aishihik First Nation (CAFN). The authors are not aware of any other significant factors or risks potentially affecting access, title, or the right or ability to perform exploration or eventually carry out mining on the property.

The project area is located within the Stikine terrane and is underlain largely by Jurassic rocks of the Aishihik batholith consisting of an older foliated granodiorite and a younger non foliated quartz monzonite. These rocks are capped by Late Cretaceous andesites and intruded by coeval intermediate porphyritic intrusions. A sample of weakly chlorite - epidote – sericite altered feldspar – hornblende porphyry was recently dated and yielded an age of 76.12 +/- 0.72 Ma. This age date is similar to that of the Cu-Mo-Au-Ag Casino and Nucleus – Revenue porphyry deposits located approximately 150 km and 65 km to the northwest respectively.

Noranda Exploration Company, Limited identified the area as a Cu-Mo porphyry target in the late 1970's and followed up by staking claims, mapping, geochemical sampling, magnetometer and induced polarization (IP) surveys and diamond drilled three vertical holes totalling 270.62 m in 1980. Drilling targeted geophysical anomalies in an overburden filled valley, now labelled the "Tahte Mystery Bowl", as overburden was reported to be 10.7 m – 26.5 m thick in the drill holes with no nearby outcrop.

Following a hiatus in exploration the target was re-staked in 2009 by Cathro Resources Corp. The Noranda drill core was resampled in 2010 with DDH-1 returning 65.53 m of 60 ppb Au, 549 ppm Cu and 46 ppm Mo. DDH -3 returned 50.82 m of 138 ppb Au, 735 ppm Cu and 91 ppm Mo. Cathro subsequently carried out soil and rock sampling surveys, reconnaissance mapping, and a

three line IP survey in 2013. This IP survey confirmed and refined the Noranda IP chargeability anomaly with the result that two of the located drill sites (unknown drill hole numbers) are on the margins of the two strongest IP anomalies identified in 2013.

Northwest of the "Tahte Mystery Bowl" geological mapping and geochemical sampling by Cathro located a northwest trending, approximately 2400 m by 600 m wide, zone of quartz veining containing disseminated molybdenite, hosted by non-foliated quartz monzonite, that they named the Ribbon Zone.

In 2019 the two Noranda drill sites and three 2013 IP lines were relocated on the ground in the "Tahte Mystery Bowl". The alluvium – colluvium filled valley is approximately 1300 m in diameter. Three test pits were excavated by hand tools to depths of 1.2 m and 0.60 m over the strongest IP chargeability anomalies in the valley before encountering permafrost. In total five soil samples were collected from these pits and three returned 31.8 ppb – 97.9 ppb gold in spite of extensive overburden.

A total of 9 rock samples and 88 soil samples were collected 2019. Gold and copper values from the rock samples contained low – background gold values but five of the samples returned over 453.1 ppm Mo, four from the Ribbon Zone and one from the southwest side of the Taut claims.

Test soil lines in 2019 located a new previously unrecognized gold in soil anomaly over 1700 m on an east – west trending ridge on the south side of the Taut claims, and south of the "Tahte Mystery Bowl" valley. The ridge is underlain by Carmacks Group andesite and locally intruded by the weakly altered feldspar – hornblende porphyry that yielded a Late Cretaceous age date. Eleven of the 45 samples from this area returned >23.2 ppb Au and values ranged up to 715.5 ppb Au. Anomalous values were also reported for Ag, Cu, Mo, Pb, Zn, As and Sb.

The area immediately northwest of the "Tahte Mystery Bowl" is underlain by a number of northwest trending recessive zones and andesite outcrops, likely dykes or sills. Soil geochemistry of in this area returned anomalous gold (>8.2 – 109.1 ppb) and anomalous values for Ag, Cu, Pb, Zn and Mo.

The mineralization intersected in 1980 drilling is part of a porphyry Cu- Mo- Au- Ag system that is similar in age to the giant Casino porphyry deposit. Further work is warranted and recommended on the Taut Property and surrounding project area given; the very encouraging Cu – Au results obtained from the Noranda drill holes in the "Tahte Mystery Bowl", anomalous gold values obtained in the test pits, highly anomalous gold in soil results over 1700 m on the south margin, and the molybdenite Ribbon Zone on the north side. Prior to drilling a more detailed magnetic survey is recommended along with a Lidar or DEM survey and possibly an orientation survey of Ah horizon ultra-trace soil geochemistry should be conducted over the Tahte bowl.

The existing claim block should be expanded to the south and east to cover anomalous geochemistry and aeromagnetic highs. Additional mapping, geochemical sampling (rock and soil) should be carried out over the aeromagnetic highs and areas underlain by volcanic/porphyry units south of the current claims.

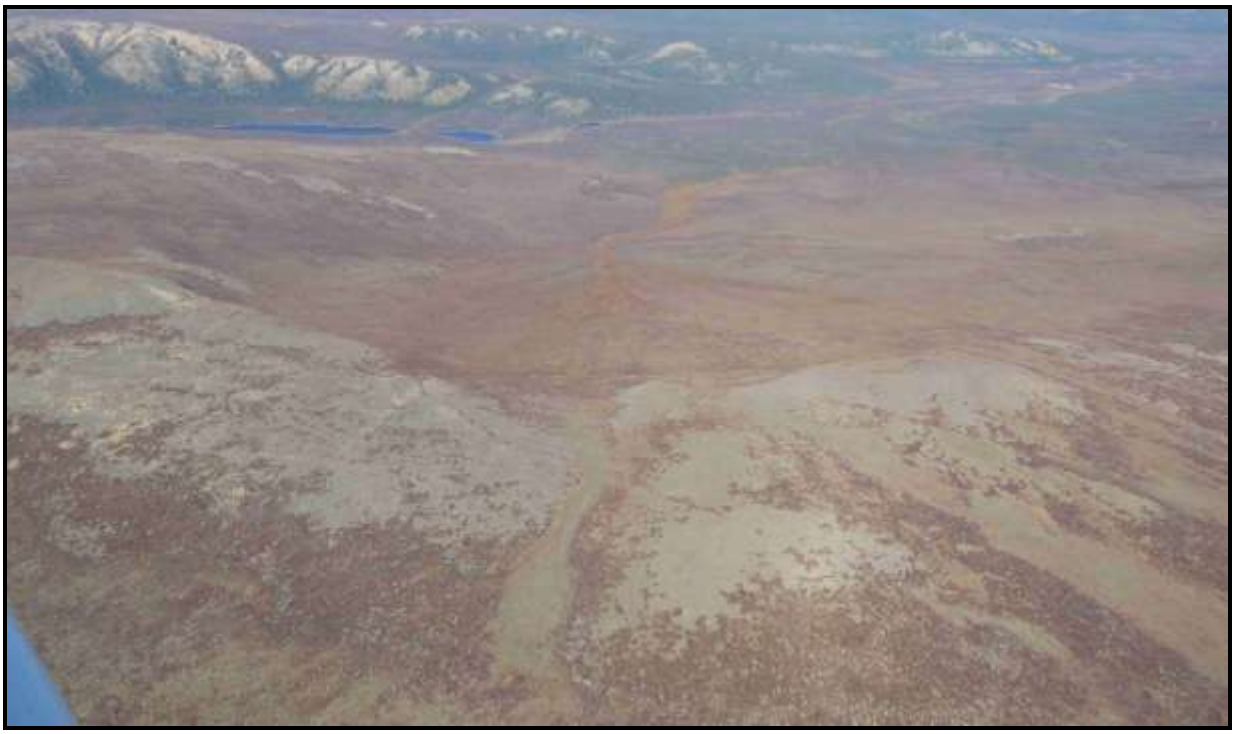

Plate 2. Aerial View looking NE. Tahte zone in centre, SW ridge and lineament foreground.

2.0 INTRODUCTION

This report on the Taut porphyry project has been prepared for the Yukon Mineral Exploration Program (YMEP) and fulfills program requirements. The report also fulfills assessment reporting requirements to maintain the claims. The project sponsors and the authors of this report, William Mann, P.Geo. and Roger Hulstein, P.Geo., are two Whitehorse, Yukon based mineral exploration geologists. Following application in the winter of 2019 the project qualified for funding under the YMEP program up to a maximum of $33,490 for eligible expenses. This report is the required final report for the YMEP program describing and summarizing the work carried out in 2019, the results and makes recommendations for further work.

The information and data used in the report was collected by the authors during a 2019 field program carried out from August 5th to August 11th and on referenced sources. The earliest referenced work was carried out by Noranda Exploration Company, Limited in 1977 – 1980 (Fairbank et al, 1977 and McDonald, 1981). This work included geological mapping, geophysics (magnetics and induced polarization surveys) followed by diamond drilling. Following a lengthy exploration hiatus Cathro Resources Corp. re-staked the property in 2009 and optioned it to Skeena Resources Limited in 2010 who carried out a program of soil sampling and re-logging and sampling of the three drill holes (total 270.62 m) completed by Noranda (Cathro and Pautler, 2011). Skeena returned the property to Cathro Resources in 2010 who subsequently carried out a program of soil sampling, geophysics (induced polarization), and limited prospecting (Cathro, 2014).

No further exploration work was carried out by Cathro Resources and the claims were allowed to lapse. William Mann restaked the property in June, 2019 and subsequently partners Mann and Hulstein carried out a program of soil sampling, limited geological mapping, test pitting and prospecting on the claims and surrounding area from August 5 to August 11, 2019 inclusive.

3.0 RELIANCE ON OTHER EXPERTS

The authors visited the property from the 5th to the 11th of August, 2019, and together obtained nine rock samples and 88 soil samples. Results of this program have been incorporated into the report. The authors are responsible for all sections of this report

There was no reliance on other experts in the preparation of this report on the Taut Project beyond those sources that are referenced. The authors have not verified data from exploration programs that are referenced. The assumption is made that all previous work has been completed to best-practice industry standards and the authors have no reason to doubt this assumption.

Much of the information on the Taut Project (geological setting, structural geology, airborne geophysics and past assessment reports) was obtained from public sources provided by the Government of Yukon.

Information on claim tenure, including adjacent properties, and regional geology was provided by the Government of Yukon's website "GeoYukon" of the Yukon Geology Survey at https://mapservices.gov.yk.ca/GeoYukon/ . Information on regional geology and mineral deposits was also provided by the "Yukon Bedrock Geology" website available at https://yukon.ca/en/yukon-geology#bedrock-geology and at http://data.geology.gov.yk.ca/Compilation/3.

The authors have not verified data from exploration programs prior to 2019. The assumption is made that all previous work has been completed to best practice industry standards.

3.0 PROPERTY DESCRIPTION AND LOCATION

The Taut property, which lies within and is part of the Taut project area, consists of 36 contiguous Yukon quartz claims, comprising approximately 752 hectares (1859 acres). The property is located (centered) at 61°46' N Latitude, 136°47' W Longitude (UTM NAD 83: 405500E, 6849500, Zone 8) on NTS map sheet 105H/15 in the Whitehorse Mining District of Yukon Territory, Canada (Figure 1). The property claims are held by William Mann who has a joint ownership agreement (51%/49%) with Roger Hulstein. Up to date information on the claims can be obtained from the Yukon Government, Energy, Mines and Resources Department available online from the Yukon Mining Recorder (http://www.yukonminingrecorder.ca/)

Table 1 lists the claim status of the property as of December 19, 2019.

Grant Number	Claim Name	Claim Number	Registered Claim Owner	Recording Date	Staking Date	Claim Expiry Date
YD132101	TAUT	1	William Mann - 100%	6/11/2019	6/10/2019	6/11/2020
YD132102	TAUT	2	William Mann - 100%	6/11/2019	6/10/2019	6/11/2020
YD132103	TAUT	3	William Mann - 100%	6/11/2019	6/10/2019	6/11/2020
YD132104	TAUT	4	William Mann - 100%	6/11/2019	6/10/2019	6/11/2020
YD132105	TAUT	5	William Mann - 100%	6/11/2019	6/10/2019	6/11/2020
YD132106	TAUT	6	William Mann - 100%	6/11/2019	6/10/2019	6/11/2020
YD132107	TAUT	7	William Mann - 100%	6/11/2019	6/10/2019	6/11/2020
YD132108	TAUT	8	William Mann - 100%	6/11/2019	6/10/2019	6/11/2020
YD132109	TAUT	9	William Mann - 100%	6/11/2019	6/10/2019	6/11/2020
YD132110	TAUT	10	William Mann - 100%	6/11/2019	6/10/2019	6/11/2020
YD132111	TAUT	11	William Mann - 100%	6/11/2019	6/10/2019	6/11/2020
YD132112	TAUT	12	William Mann - 100%	6/11/2019	6/10/2019	6/11/2020
YD132113	TAUT	13	William Mann - 100%	6/11/2019	6/10/2019	6/11/2020

YD132114	TAUT	14	William Mann - 100%	6/11/2019	6/10/2019	6/11/2020
YD132115	TAUT	15	William Mann - 100%	6/11/2019	6/10/2019	6/11/2020
YD132116	TAUT	16	William Mann - 100%	6/11/2019	6/10/2019	6/11/2020
YD132117	TAUT	17	William Mann - 100%	6/11/2019	6/10/2019	6/11/2020
YD132118	TAUT	18	William Mann - 100%	6/11/2019	6/10/2019	6/11/2020
YD132119	TAUT	19	William Mann - 100%	6/11/2019	6/10/2019	6/11/2020
YD132120	TAUT	20	William Mann - 100%	6/11/2019	6/10/2019	6/11/2020
YD132121	TAUT	21	William Mann - 100%	6/11/2019	6/10/2019	6/11/2020
YD132122	TAUT	22	William Mann - 100%	6/11/2019	6/10/2019	6/11/2020
YD132123	TAUT	23	William Mann - 100%	6/11/2019	6/10/2019	6/11/2020
YD132124	TAUT	24	William Mann - 100%	6/11/2019	6/10/2019	6/11/2020
YD132125	TAUT	25	William Mann - 100%	6/11/2019	6/10/2019	6/11/2020
YD132126	TAUT	26	William Mann - 100%	6/11/2019	6/10/2019	6/11/2020
YD132127	TAUT	27	William Mann - 100%	6/11/2019	6/10/2019	6/11/2020
YD132128	TAUT	28	William Mann - 100%	6/11/2019	6/10/2019	6/11/2020
YD132129	TAUT	29	William Mann - 100%	6/11/2019	6/10/2019	6/11/2020
YD132130	TAUT	30	William Mann - 100%	6/11/2019	6/10/2019	6/11/2020
YD132131	TAUT	31	William Mann - 100%	6/11/2019	6/10/2019	6/11/2020
YD132132	TAUT	32	William Mann - 100%	6/11/2019	6/10/2019	6/11/2020
YD132133	TAUT	33	William Mann - 100%	6/11/2019	6/10/2019	6/11/2020
YD132134	TAUT	34	William Mann - 100%	6/11/2019	6/10/2019	6/11/2020
YD132135	TAUT	35	William Mann - 100%	6/11/2019	6/10/2019	6/11/2020
YD132136	TAUT	36	William Mann - 100%	6/11/2019	6/10/2019	6/11/2020

The claim expiry date in the table above does not include assessment work performed in 2019 and described in this report that has not yet been recorded.

The surface rights on the property are held by the Crown. Exploration activities are therefore dependant on obtaining the appropriate land use permit(s) for proposed exploration activities. There are no current exploration permits in place for hard rock exploration on the property. Activities allowed under a "Class 1" exploration permit comprise rock, soil and silt geochemical sampling, geological mapping, trenching (to a limit of 400m^3 per claim), temporary trail construction (to a maximum of 3.0 km) and a maximum of 250 person-days in camp.

A gradation of permits, for Class 2 through Class 4 activities, is required for more significant programs like diamond drilling and reverse-circulation drilling programs having a footprint exceeding Class 1 limits. Larger exploration programs require a "Class 3 Permit", are valid for five years (ten if requested) and acquired through the local Mining Recorder, Department of Energy, Mines and Resources (EMR), Government of Yukon.

Class 3 permit activities allow for sizable diamond drilling programs (depending on the number of clearings per claim), up to 5,000 m^3 of trenching per claim per year, the establishment of up to

15 km of new roads and 40 km of new trails, and up to 200,000 tonnes of underground excavation. Additional permits required are a "Consolidated Environmental Act Permit" for proper disposal of camp waste and ash resulting from incineration, and a "Fuel Spill Contingency Plan". A "Yukon Water License" is required if water usage exceeds 300m^3/day. Additional licenses may be required for "Disposal of Special Waste".

All applications for Class 2 through Class 4 require review by the Yukon Environmental and Socioeconomic Board (YESAB). YESAB will recommend whether a project may proceed, whether it may proceed with modifications, or whether the project does not meet the environmental or socioeconomic expectations and should not proceed. Following submission by YESAB, a Decision Body determines whether to accept the recommendations, and, if a permit is awarded, what the conditions of the permit will be.

There are no significant environmental liabilities on the property beyond one, presumably full 200 liter fuel drum found on the property in 2019. This drum is located on an alpine ridgetop near a cairn at field station RH19450 (NAD 83 UTM: 405285 E, 684933 N) and likely contains either Jet A or Jet B fuel. When it was examined in August 2019 the drum appeared sound and was not weeping fuel. At the two located drill sites, field stations RH19412 and TAHDDH (NAD 83 UTMs: 405980 E, 6848984 N and 406158 E, 6848984 N, respectfully), a number of steel drill rods were found.

The property is located within the shared traditional territories of the Little Salmon Carmacks First Nation (LSCFN) and the Champagne Aishihik First Nation (CAFN). Approximately 500 m north of the northwest corner of the Taut claim group is a "Category B" block of land, block LSC R-22B that covers the ground to the north and east. Joint claim owners William Mann and Roger Hulstein are planning to make initial contact with the LSCFN and CAFN towards securing a respectful working relationship and establishing "social license" for future work.

The authors are not aware of any other significant factors or risks potentially affecting access, title, or the right or ability to perform exploration on the property.

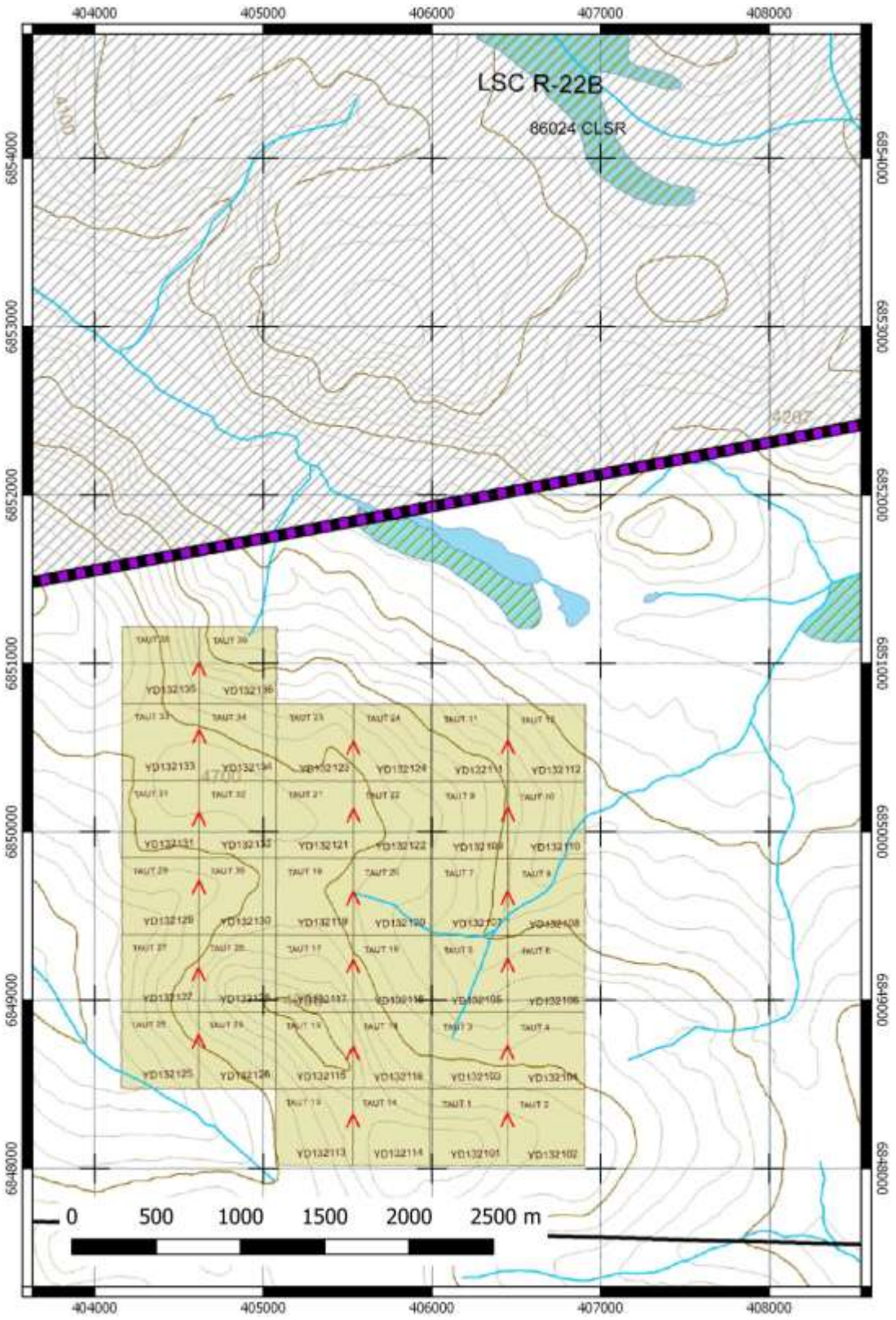

Figure 1. Claim Map, NTS 115H/ 15

4.0 ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE AND PHYSIOGRAPHY

The TAUT claims lie about 148km northwest of Whitehorse, and 43 km southwest of Carmacks in the Whitehorse Mining District (Figure 2). It occurs on NTS map sheet 115H/15, and is centred at approximately 61º46'N Lat., 136º47'W Long. The project lies at the headwaters of Incised Creek and Tahte Creek.

Elevations on the property range from 1180m to 1511m, within the subalpine and alpine zones, with tree line generally near 1370m. Topography is mostly gentle and rounded, with a few steep rocky slopes and outcrops. Vegetation on the property is sparse, mostly grasses and mosses with buckbrush proximal to stream drainages. A few clusters of spruce trees are present at lower elevations, but the property is essentially all above treeline.

Access to the property is by helicopter, with abundant landing areas across the claims. Road access is relatively nearby in three directions. The Mt. Nansen road network is about 27km to the north, with minor stream crossings. The Klondike Highway and Yukon power grid is about 36km to the east, across the Nordenskiold river. The Aishihik road is about 30km to the southwest, with minor stream crossings.

The TAUT project lies within the Yukon Plateau- Central ecoregion of the Boreal Cordillera ecozone (Smith et. al. 2004). The area is dry with total annual precipitation of about 250 to 275mm, about two thirds of which falls during the summer. Snow typically covers the ground from early October until late April. The mean January temperature is about -20º C, and the mean July temperature is about +10º C. The area lies immediately west of the Reid age glacial limit, and was covered by Pre-Reid glaciation. Permafrost is present in thicker soils on north and east facing slopes.

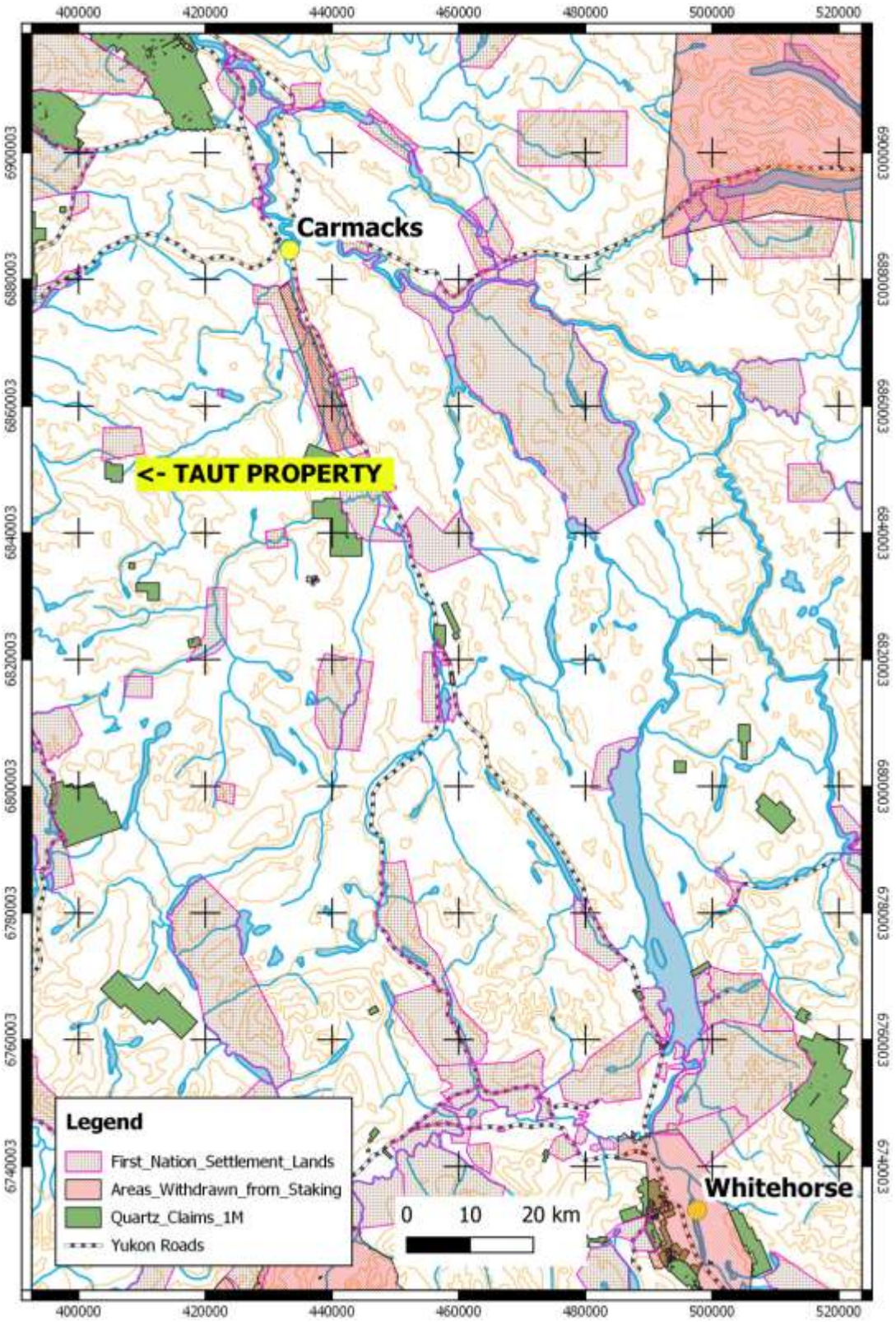

Figure 2. TAUT Project Location Map

6.0 HISTORY

1966-1979 – Surficial geological mapping of the area by the Geological Survey of Canada at 1:100,000 scale (Hughes, 1989). The project area is covered by colluvial veneer and bedrock, and the Reid glacial limit lies proximal to the eastern edge of the TAUT claims.

1970-1972 – Reconnaissance bedrock geological mapping conducted in the area by the Geological Survey of Canada at 1:250,000 scale (Tempelman-Kluit, 1973).

1977 - Staked as 42 TAH claims by Noranda Exploration Company, which explored with linecutting (13.94 miles), IP (12.76 line-miles), magnetics (22.68 miles), geological mapping and geochemical surveys (Fairbanks et. al., 1977). The geochemistry was not filed for assessment, and is not available. Some of the work extended beyond the claim boundaries, particularly to the south. Noranda concluded: "The I.P. and geology surveys indicate the potential for a porphyry type Cu-Mo occurrence associated with the feldspar porphyry unit."

1980 - In 1980, Noranda completed three diamond drill holes totaling 269 m on the Tah claims (Macdonald, 1980), however, the report does not specify the targets. The hole location map in the report is rudimentary and the grid coordinates of two of the holes show them being at the same location, which does not match with the map. The collars of two drill holes (assumed to be TA-80-01 and 03) were located during the 2019 field program and are shown on Figure 6. The drill holes appear to have tested an area of moderate PFE values (chargeability), approximately midway between the PFE high "ridge" and the mapped kaolinite-sericite-silica alteration zones. The holes cored the three intrusive phases mapped on surface plus a dark green dyke. The logs describe moderate to intense alteration (clay, sericite, hematite, jarosite), intense fracturing, deep weathering, quartz veining, up to 5-10% disseminated pyrite in multiple phases, along with occasional malachite, molybdenite, fluorite and gypsum. Assaying was incomplete, yet several mineralized sections were reported (here converted to metric):

Hole	Length (m)	Grade
#1	19.8	0.12 g/t Au
and	19.8	0.07 % Cu (deeper in hole)
#3	20.3	0.144 g/t Au and 10.53 g/t Ag
incl	1.54	0.96 g/t Au
and	4.56	16.2 g/t Ag

1989 – The Tahte area (along with two areas to the south) were staked by Golden Quail Resources Ltd. as the Nick III block of 34 claims in 1989. Golden Quail carried out reconnaissance prospecting in 1989, with 3 heavy mineral stream samples and one rock sample. The samples were analyzed for Au, Pt & Pd. One heavy mineral sample was anomalous, with 139ppb Au from a location on the southwest side of the current TAUT claims (Lambert, 1990).

1990 – Golden Hemlock optioned the Nick III claims and collected 6 silt samples from the claims and nearby. These samples were only analyzed for Au and As, with a maximum Au value of 40ppb (Davidson, 1991).

1997 – Glacial limit mapping conducted in the area by the Geological Survey of Canada at 1:250,000 scale (Duk-Rodkin, 2002). The middle Pleistocene (ca. 200 ka) Reid glacial limit lies proximal to the east side of the TAUT property. The bulk of the property was affected by the Pre-Reid glaciation (ca. 3 ma).

2010 – 74 SUZI claims were staked to cover the area of the old TAH claims by Cathro Resources Corp. 24 stream sediment (silt) samples and 4 moss mat samples were collected from creeks and tributaries. 49 rock samples were collected. 155 soil samples were collected at 50 m spacing on five E-W lines spaced 200 m apart.
The Ribbon zone was discovered – molybdenite in quartz veins to 5m wide, located about 1.5km north of the Tahte zone. Re-logging and sampling of historic Noranda drill core was completed at the Bostock Core Library in Whitehorse (Cathro & Pautler, 2011). The detailed silt sampling of the area did not discover anything new, but confirmed the Tahte area as anomalous in Cu, Mo & Au and the Ribbon zone as anomalous in Mo. "Core from 3 historic Noranda holes was re-logged and re-sampled, confirming that Cu-Mo-Au mineralization is associated with silica, clay and sericite-pyrite alteration of a multiphase intrusive complex. Holes TA-80-01 and 03 encountered weak to moderate porphyry-style alteration and mineralization over their full lengths with maximum values reaching 170 ppb Au, 1134 ppm Cu and 229 ppm Mo. The alteration, host rocks, mineralogy and metal values are consistent with porphyry-style mineralization."

2011 – An airborne magnetic survey of 115H/15 was flown by the Geological Survey of Canada (Kiss & Coyle, 2011). The survey had 400m line spacing and a nominal 100m terrain clearance. At the project area distinct and irregular magnetic highs are surrounded by an annular magnetic low.

2012 – Cathro staked additional claims to the north, collected 29 B-horizon soil samples, 40 power auger soil samples from 85cm depth, and extended the Ribbon zone by prospecting (Cathro, 2013). 20 rock grab samples were collected from the Ribbon zone area, which extended the zone to 1.5km length. Molybdenum is found as molybdenite and ferrimolybdite in white quartz veins with accessory pyrite and rare galena. Veins are up to 5m wide, near vertical, and trend about 300º. Regarding the usefulness of power auger results, the shallow soil sampling appears to demonstrate slightly higher highs for Cu and Mo, and better clustering for Cu and Au.

2013 – Cathro collected 73 B-horizon soil samples and 3 rock samples in the vicinity of the Ribbon moly zone and Tahte zone (Cathro, 2014). Three parallel IP survey lines were laid out in an ENE direction to cross known geophysical and geological features. The IP lines were 3300 to 2500m long. The IP work confirmed the IP high results of Noranda at the Tahte zone, and

showed an anomaly proximal to the Ribbon zone. The core of the Tahte zone has a coincident Cu- Mo- Au- Ag geochemical anomalies, IP anomalies and Mag anomalies in an area about 1500m diameter with no outcrop.

2014 – U- Pb isotopic analysis of porphyritic rock on the property returned an age of 76.12±0.72 ma, conducted by Murray Allan, Pacific Centre for Isotopic and Geochemical Research, Dept. Earth and Ocean Sciences, The University of British Columbia. This is within the age range of the Casino intrusive suite.

7.0 GEOLOGICAL SETTING AND MINERALIZATION

REGIONAL GEOLOGY

The Aishihik map sheet and the area of the Taut property were last mapped in 1970-73 at a scale of 250,000 scale by the GSC (Tempelman-Kluit, GSC Map 17-1973). More detailed government mapping has not been completed since. More recently, in 2014, a sample of intrusive, described as "Weakly chlorite-epidote-sericite altered feldspar-hornblende porphyry", was collected for an age date (76.12 +/- 0.72 Ma – Allan, 2014). In 2011 the GSC commissioned an airborne magnetic survey of the area which has proved useful in interpreting the regional and property geology (Kiss & Coyle, 2011).

A more recent regional geological compilation is shown on the Yukon Map Maker website (http://mapservices.gov.yk.ca/GeoYukon/)(Figures 3, 4). The area southwest of Carmacks is mainly underlain by volcanic and intrusive rocks of the Stikine Terrane. To the east of Carmacks, across the northwest trending Braeburn Fault, the Upper Triassic Whitehorse Trough consists of sedimentary and volcanic rocks laid down in a basinal environment.

Rocks of the Stikine Terrane in the area of the Taut Project consists largely of intrusive rocks belonging to the Aishihik batholith, Long Lake Suite, and are subdivided into map unit EJgA, (foliated granodiorite, diorite and potassium feldspar granite of Jurassic age) and map unit EJgL (felsic granite and mesocratic hornblende syenite of Jurassic age). Tempelman-Kluit originally mapped these two intrusive units that he assumed to be of Triassic age as Trgdm, now unit EJgL and the slightly younger unit Trqm, now map unit EJgL, both now part of the Long Lake Suite.

Younger rocks on the property, mapped by Tempelman-Kluit (1974) as varicoloured acid tuff (map unit Tvr), are now interpreted as Carmacks Group andesites (map unit uKC2), and are commonly feldspar – hornblende porphyritic and magnetite bearing. A $^{207}Pb/^{235}U$ age date sample, described as a weakly chlorite – epidote – sericite altered feldspar – hornblende porphyry, from this unit returned an age of 76.12 +/- 0.72 Ma (Allen, 2014). This age places the intrusive and the probable coeval Carmacks volcanics within the Casino plutonic suite of 79 – 72

Ma (Allan et al., 2013). The geological legend of the rock units present in the Taut Project area is presented in Table 2 below.

Table 2. Geological legend of the Taut Property area.

GEOLOGICAL LEGEND		
Late Cretaceous		
YGS 2020*	DTK 1973**	Description
uKC2	Tvr	Carmacks Group; andesite volcanics, commonly feldspar, hornblende porphyritic, magnetite bearing where fresh
Jurassic		
EJgL	Trgdm	Long Lake Suite, Aishihik Batholith; dark grey weathering, coarse - grained, equigranular biotite hornblende granodiorite to quartz diorite; commonly shows layering or foliation of mafics; may include pink quartz monzonite of unit EJgL
EJqL2	Trqm	Long Lake Suite, Aishikik Batholith; medium - coarse grained foliated biotie - hornblende granodiorite, pink quartz monzonite, aplite, local biotite rich gneiss schlieren
* http://mapservices.gov.yk.ca/GeoYukon/		
**Tempelman-Kluit (1974) - GSC Map 17-1973		

To the north and east of the project area the map unit EJqL2 includes porphyritic quartz monzonite of Tempelman-Kluit's (1974) Mqmp map unit. This unit is porphyritic (pink K-feldspar), medium-grained, hornblende biotite quartz monzonite and includes minor pink quartz monzonite (unit Trqm) and undifferentiated hornblende granodiorite (Trgdm).

The Taut Project area lies between two northwest trending regional dextral faults that merge into one northeast of the area (Figure 4). Given the configuration of the faults it is not unreasonable to expect a certain amount of dilation between them, on the Taut property and in the project area. The northwest trend is similar to the trend of the faults that control most of the mineral deposits and mineralization found in the Dawson Range located just to the north of the Taut Project. These deposits include a number of Casino age (ca. 79-72 Ma) copper – gold porphyries and related distal gold deposits; Casino, Nucleus – Revenue, Sonora Gulch and Cash, all located along the northwest trending dextral strike – slip Big Creek Fault. Other Casino age mineral occurrences include the Sato and the Hopper, both to the south of the Taut project area.

Further to the north, the Aishihik Suite is host to important alkalic porphyry copper-gold deposits including Williams Creek and the Minto mine. Approximately 40 km to the north of the Taut property the mid – Cretaceous Mount Nansen camp is host to several precious metal epithermal

deposits including; Huestis, Webber, Klaza and Brown – McDade. Near Whitehorse, Cretaceous skarn deposits of the Whitehorse copper belt were mined historically.

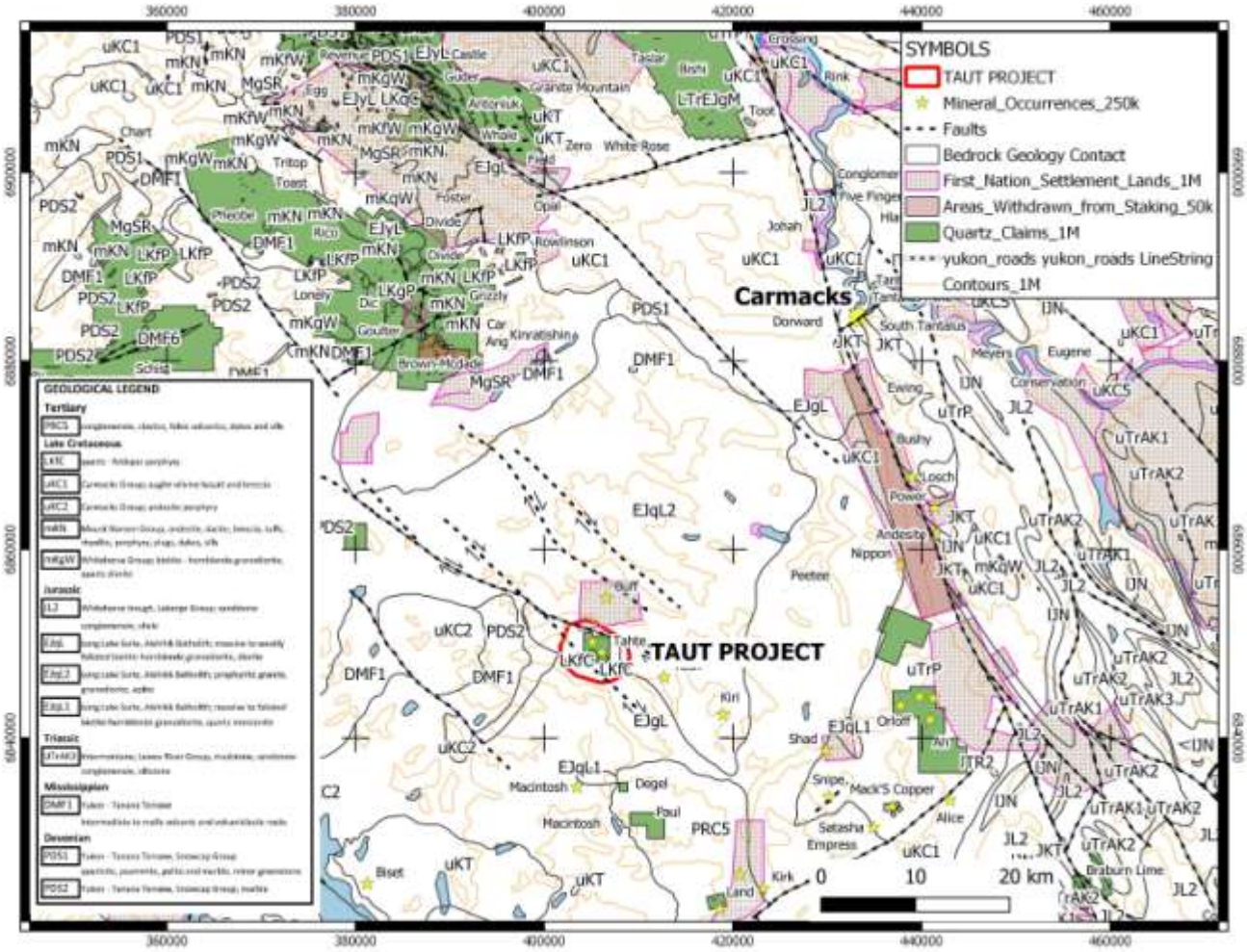

Figure 3. Regional Geology Map

REGIONAL SURFICIAL GEOLOGY

The Tahte project area falls within the "pre-Reid" glaciation limit (Hughes, 1989 and Duk-Rodkin, 2002), and therefore, has not seen glaciation in approximately 3 million years. Jean Pautler (Cathro and Pautler, 2011) relogged the three holes drilled on the property by Noranda in 1981 (Macdonald, 1981) and recorded strong oxidation down to several hundred feet depth in bedrock. YGS surficial geologist Jeff Bond has also confirmed that in addition to deep weathering, soils in the area contain loess (windblown glacial silt) and volcanic ash layers, which can subdue the soil geochemical response (Cathro and Pautler, 2011). Extensive solifluction and cryoturbation has affected the colluvium on hillsides and valley bottoms and further complicates the geochemical response of any mineralization. North and east facing slopes such as the Tahte bowl are more affected by permafrost than south and west facing slopes. Streams draining the project area are of low to moderate gradient and choked with vegetation and recent sediment in

the upper reaches of the drainages and the lower portions while not vegetated contain abundant recent sediment, boulders and organics.

TAUT PROPERTY AND TAUT PROJECT AREA GEOLOGY

Outcrop and felsenmeer on the property and in the project area is restricted to the rounded ridges and steeper portions of the hillsides, particularly the north facing slopes. Scree and talus covers the upper portions of the hillsides that give way to vegetated covered slopes lower down and in valley bottom.

The oldest unit underlying the property is foliated biotite – hornblende granodiorite of the Jurassic Aishihik batholith of the Long Lake Suite (map unit EJqL2) found on the east side of the property and project area (Figure 4). This foliated unit locally contains mafic minerals, biotite – hornblende, and feldspar – quartz segregations giving it a gneissic appearance. The foliation and mineral banding dips shallowly to moderately to the northeast. This unit appears unaltered and devoid of mineralization where observed in 2020 but is locally cut by aplite dykes and sills that are accompanied by minor quartz veins.

Slightly younger and non-foliated quartz monzonite rocks of the Aishihik batholith (map unit EJgL) are located on the west side of the property and project area. These non-foliated mostly leucocratic granitoids commonly contain quartz phenocrysts and have a medium grained quartz – feldspar matrix where observed in 2019. These rocks are quite different in appearance from the older EJqL2 unit and are locally cut by white quartz veins with molybdenite and rare galena. In fact these rocks appear to be much younger and more homogeneous than the older foliated heterogeneous EJqL2 unit of the Aishihik batholith. During field mapping in 2019 this unit was informally referred to as quartz porphyry, as the feldspars and mafics were commonly bleached hydrothermally or by weathering to sericite or clay and typically anhedral. Only the anhedral quartz grains were identifiable in hand specimen.

The Early Late Cretaceous Carmacks Group andesite and related hypabyssal rocks are the youngest rocks encountered on the property and in the project area. They are also the least voluminous. The most prominent outcrops are exposed on the south side of the property on an approximately east – west trending ridge as mostly fresh grey weathering grey feldspar – hornblende andesite and magnetite bearing except where altered. It is on this ridge that the Mineral Deposit Research Unit, University of British Columbia has reported an age of 76.12 +/- 0.72 Ma (Allan, 2014) from a weakly chlorite - epidote - sericite altered feldspar –hornblende porphyry. This porphyry is interpreted to be a hypabyssal intrusive coeval with the andesite volcanics.

Carmacks Group andesite is also found on the north side of the Taut property as elongated northwest trending outcrops between the Jurassic foliated granodiorite (map unit EJqL2) to the northeast and the non-foliated quartz porphyritic quartz monzonite to the south west. Between these isolated outcrops are recessive zones with orange – brown soils that likely demark fault zones and or altered rocks. The larger magnetite bearing andesite outcrops are coincident with the strongest positive aeromagnetic anomalies recorded by the GSC.

Between the north and south exposures of the Carmacks Group andesite on the property is a vegetated valley, with a northeast stream drainage, with an approximate diameter of 1300 m, devoid of outcrop or felsenmeer. It is in this valley that Noranda drilled three BQ size diamond drill holes (270.62 m in total) in 1980 (Macdonald, 1981). All three holes were drilled vertically and encountered bedrock between 10.7 m and 26.5 m depths. Only two drill sites were located in 2019 and by previous workers (Cathro and Pautler, 2011; Cathro, 2014) and the exact locations of the three drill holes (which holes were drilled on the two drill pads) could not be determined with certainty.

Bedrock in the three drill holes consisted predominantly of variably weathered and altered foliated biotite – granodiorite and feldspar porphyry (non-foliated?) according to Jean Pautler (Cathro and Pautler, 2011). Granodiorite description for DDH-2 matches that of map unit EJqL2. Cathro and Pautler describe the alteration ranging from weak propylitic to phyllic (quartz-sericite-pyrite). The granodiorite is cut by a number of oxidized fault zones and dykes that range in composition from aplite, andesite to lamprophyre. The granodiorite and feldspar porphyry intersected in DDH-1 and DDH-3 respectively is not described as foliated and although it contains 5-10% biotite – hornblende is likely equivalent to map unit EJgL. Feldspars are commonly altered to hematite and the rocks are variably propylitic to sericite altered with weak to moderate clay (unclear if clay is alteration or weathering product). The feldspar porphyry in DDH-3 is cut by quartz stringers and veinlets that contains trace disseminated molybdenite.

Plate 3. Typical “Quartz Porphyry”

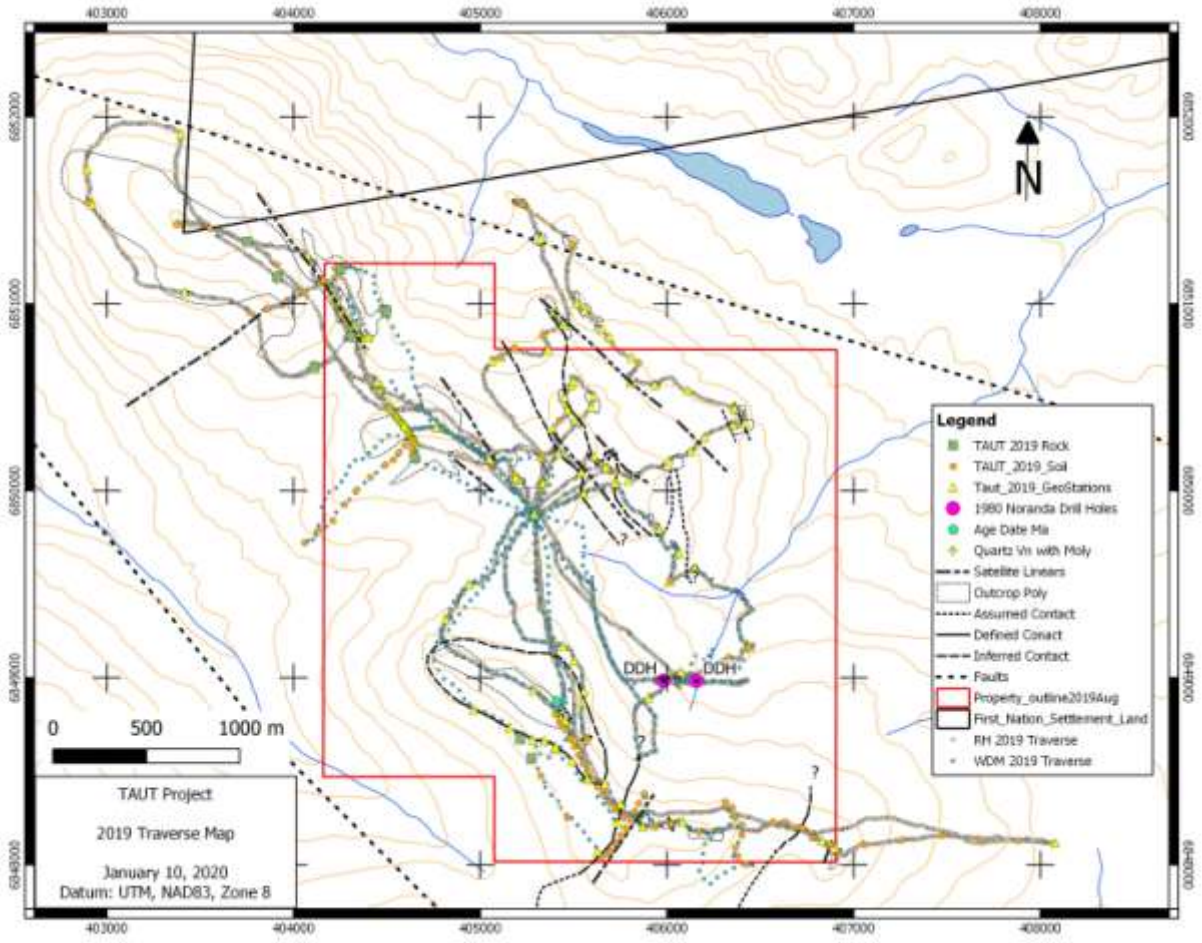

Figure 4. 2019 Field Traverses

TAUT PROPERTY AND TAUT PROJECT AREA MINERALIZATION

There are two known areas on the property and in the project area that have been identified as having significant mineralization; the Ribbon Zone and the "Tahte Mystery Bowl". Mineralization in the "Tahte Mystery Bowl" is found in the drill core recovered from the three 1980 Noranda diamond drills that targeted geophysical anomalies (Figure 4).

The Ribbon Zone found on the northwest side of the Taut property and extending off of it to the northwest trends northwest and covers an approximate area of 2.4 km by 0.6 km. The current boundaries of the zone are defined by molybdenite and rare galena found in white quartz veins found in talus and felsenmeer and coincident anomalous rock and soil geochemistry for Molybdenum. Molybdenite is found disseminated in trace to 1-3% amounts in a number of northwest trending white quartz veins that can be traced in quartz monzonite felsenmeer for hundreds of meters. Veins appear to be sub vertical, widths are likely meter scale and Cathro (2014) estimates vein widths of 5-7 m in places.

The “Tahte Mystery Bowl” located on the southwest side of the Taut property covers a valley bounded by outcrop or talus – colluvium covered slopes on three sides with the northeast side occupied by a northeast flowing stream drainage. Following a program of mapping, geochemical sampling and an induced polarization survey Noranda drilled three vertical diamond drill holes, totaling 270.62 m, in the valley on IP targets. As described above the drill holes intersected granodiorite, quartz monzonite and various felsic to mafic dykes. Mineralization consists of ubiquitous pyrite ranging from 1-10 % and averaging 3-5 % as disseminations or in quartz veinlets. Traces of chalcopyrite, bornite and molybdenite were also noted and usually are found with quartz veins (Cathro and Pautler, 2011). Geochemical results from the re-sampling are summarized below in Table 3.

Table 3. Selected intersections from 2010 re-sampling of Noranda drill core (Cathro and Pautler, 2011)

Drill Hole	From (m)	To (m)	Interval (m)	Au ppb	Cu ppm	Mo ppm
DDH - 1	26.52	92.05	65.53	60	549	46
DDH - 2	87.48	90.55	3.07	15	214	605
DDH -3	11.28	62.10	50.82	113	735	91
including	20.00	44.81	24.81	138	854	117
	62.10	69.85	core missing			
and	69.85	85.00	15.15	82	493	137

As noted by Cathro and Pautler (2011), although assays are not ore-grade, DDH – 1 and DDH – 3 encountered weak to moderate porphyry-style alteration and mineralization over their full lengths with maximum values reaching 170 ppb Au, 1134 ppm Cu and 229 ppm Mo. The alteration, host rocks, mineralogy and metal values are consistent with porphyry-style mineralization. The high Ag values reported by Noranda in hole 3 (up to 16.2 ppm Ag) were not reproduced, with maximum values in 2010 analysis of 1.2 ppm Ag.

Areas of gossanous clay rich altered andesite and possibly feldspar – hornblende porphyry rocks were located in 2019 on the south side of the property on the ridge top in the vicinity of the 76.12 +/- 0.72 Ma age date sample site. Although the rocks were not visibly mineralized soil samples located 150 m to 350 m to the southwest on the ridgetop returned values of 715.3 ppb, 68.1 ppb and 61.7 ppb gold. This gold in soil anomaly is the strongest on the property, and has not been previously identified in the reports on the area.

8.0 DEPOSIT TYPES

Based on geology, styles of mineralization and structure, the mineralization described in the Noranda drill holes, targeting IP anomalies the “Tahte Mystery Bowl”, is classified as part of a bulk tonnage porphyry Au-Cu system and may be part of a much larger system which includes

the Ribbon Mo Zone. Overall the drill results coupled with the anomalous gold in soil geochemistry and the Late Cretaceous age date for the feldspar – hornblende porphyry shows encouraging geological and mineralogical characteristics similar to the Casino Cu-Au-Mo-Ag porphyry deposit.

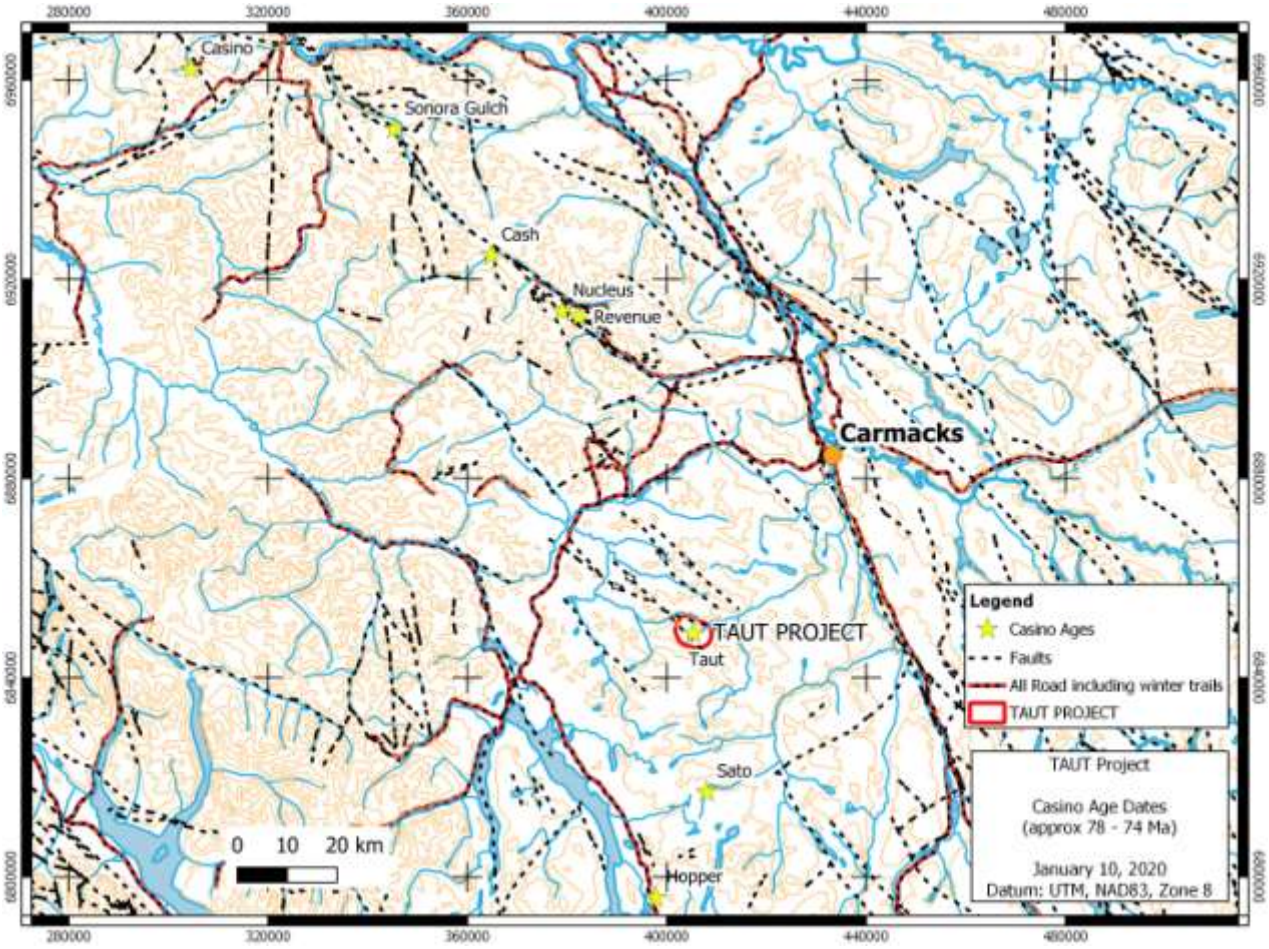

Figure 5. Casino Age Porphyry deposits

9.0 EXPLORATION

A description of historic (prior to 2009) and recent exploration work by Cathro Resource Corp. from 2009 to 2014 has been described in prior Yukon assessment reports and Yukon Mineral Exploration Program reports (Fairbank et al, 1977; Macdonald, 1980; Cathro and Pautler, 2011; Cathro, 2013; and Cathro, 2014). This work and results are not discussed in detail in this report although some of the geochemical results are included on maps for the elements of interest described below. Chargeability anomalies identified with a three line IP geophysical survey in 2013 (Cathro, 2014) is referred to as the anomalous areas of lines were traversed in 2019 in an attempt to evaluate them.

Field work in 2019 consisted entirely of prospecting, reconnaissance geological mapping, selective soil and rock sampling and the excavation of three shallow test pits and is described below. All sample and field stations locations were collected by GPS, Garmin models 60CSx and GPSmap 64st, with an accuracy commonly of +/- 3 m, using a UTM grid, NAD83 Datum in Zone 8v. 2019 Traverses are shown in figure 4, while Property Geology and Stations are shown in figure 6.

Fieldwork commenced on August 5th, 2019 with mobilization to the property by helicopter and was completed on August 11th, 2019 when the two person crew demobilized by helicopter. Shortened field traverses were carried on both the 5th and the 11th. All fieldwork was carried out on foot from a tent camp established in the approximate center of the Taut claim block. Traverses were completed over the previously reported Ribbon Mo Zone and the reported locations of the 1980 Noranda drill holes. Additional traverses with concurrent soil sampling were done over previously identified targets such as aeromagnetic anomalies and to examine and extend known geochemical anomalies. A total of 9 rock samples and 88 soil samples were submitted to Bureau Veritas Mineral laboratories for geochemical analysis of Au and 35 additional elements including, Ag, Cu, Pb, Zn, Mo, As, Bi, and Sb (details presented in Appendices II, III, IV, V, VI & VII).

Property geology and geological stations are shown in Figure 6. 2019 sample locations, sample numbers and gold results are shown in Figure 7. Compiled geochemical results for Au, Ag, Cu, Pb, Zn, Mo, As, and Sb are shown on Figures 8 to 15 respectively in the map pocket. Analytical certificates for rocks are presented in Appendix III, soils in Appendix IV, soil and rock sample geochemical results merged with location and sample description data are presented in Appendices IV and V respectively.

All nine rock samples consisted of 1-2 kilograms of representative rock, felsenmeer or float, which was being tested. Seven of the samples were collected within the Ribbon Zone and the remaining two samples were from the southwest corner on the Taut property. Samples returned <2.8 ppb Au, <3.4 ppm Ag, and 20.7 ppm Cu and between 28.3 – 1311.9 ppm Mo. Five of the samples returned over 453.1 ppm Mo, four from the Ribbon Zone and one (#65702) from the southwest corner of the property.

Soil samples were collected with either a soil auger or shovel, usually at the maximum depth possible, commonly >25 cm – 40 cm, and with attention given to avoiding loess and volcanic ash contamination. Where sample test lines were established sample spacing was at approximately 50m. Shovel sampling was preferable on rocky ridges, while the auger was better for deep soils.

Results for gold in soil samples show an anomalous area (>8.2 ppb Au) extending approximately 1700 m on the ridge top and flanks on the south side of the Taut property. Values range up to 715.3 ppb gold and 11 out of 45 samples collected in this area contained >23.2 ppb Au. Two

select samples collected from northwest trending recessive zones, in the vicinity of andesite outcrops, on the north side of the property contained 64 and 109.1 ppb gold.

In addition to high gold in soil values the east – west trending ridge on the south side of the property also returned a number of anomalous samples for Ag (>0.05 – 1.8 ppm), Cu (>28 – 79.9 ppm), Pb (>27 – 143.2 ppm), Zn (>72 – 336 ppm), Mo (>5 – 13.2), As (>9.5 – 23.2 ppm), and Sb (>0.7 – 3.1 ppm).

The east side of the Ribbon Zone and the immediate area east of the zone in addition to the anomalous gold in soil values (>8.2 – 109.1 ppb) also returned anomalous values for Ag (>0.5 – 1.6 ppm), Cu (>28 – 85.7 ppm), Pb (>27 – 131.9 ppm), Zn (>72 – 817 ppm), Mo (>7 – 42.6 ppm), and Sb (>0.7 – 1.4 ppm). These anomalous soil values correlate closely with the results reported by Cathro (2014) from the same area. Anomalies correlate with northwest trending recessive zones and northwest trending andesite outcrops (map unit uKC2), likely dykes or sills. Further to the northeast in areas underlain by granodiorite (map unit EJqL2) soil sample results returned background to low values for gold and other elements of interest.

Plate 4. Soil #1961008, 715.3 ppb Au

TEST PITS

Three test pits were excavated using shovels. Two pits near the east Noranda diamond drill site, over the highest chargeability anomaly ("CB") on IP line 700N Cathro (2014). The western pit, 1.2 m deep by 1 m x 0.8 m bottomed in permafrost. Three soil samples (1961001 – 003) were collected at different depths, and the deepest sample returned a high of 97.7 ppb Au from a silty sand horizon with low values reported for other elements. The samples collected higher in the hole returned 5.0 and 7.6 ppb Au, along with lower Cu and Mo values. Cobbles of foliated granodiorite were found mixed with the alluvial material.

Approximately 120 m to the northeast a second test pit on the same 700N IP Line reached a depth of 70 cm before bottoming in permafrost. One soil sample (1961004) was collected which returned 54.4 ppb Au and elevated values for Cu at 67.5 ppm and 194 ppm Zn. The soil, likely colluvium (?) contained cobbles of foliated granodiorite.

A third test pit on IP Line 1200N over anomaly "CC" (Cathro, 2014) reached a depth of 60 cm through very rocky colluvium – talus consisting of magnetite bearing andesites with weak epidote – pyrite alteration. One soil sample (1951005) was collected from the pit and returned 31.8 ppm Au and weakly elevated values for Cu (49.3 ppm), Pb (18.2 ppm) and Zn (133 ppm).

Plate 5. Test Pit #1

PORTABLE XRF *UTILIZATION*

A Niton XL3t portable hand-held XRF was used in the field to provide rapid qualitative evaluation of soils and rocks. The information provided by the XRF was useful in confirming anomalous areas, and could be used to adjust soil line locations and lengths.

XRF readings were taken for 30 seconds through the soil sample bags, and high values of Pb, Zn, Cu and As used as indicators of mineralization. Rock samples were also analyzed by XRF, and this information was used to reduce the number of rock samples submitted for assay. XRF data is presented in Appendix VII.

A visual comparison of XRF and ICP-MS copper results show a similar pattern (i.e. anomalous areas are anomalous) with the XRF data having a more subdued response overall although there are notable exceptions. The XRF values are also show more variation where values are low and Cu XRF values below 27 ppm are below detection and were assigned a value of zero.

GEOPHYSICS

Airborne magnetics flown by the GSC (Kiss and Coyle, 2011) have proven to be effective in delineating fault structures on a regional scale and highlighting the magnetic Carmacks Group andesites and related hypabyssal porphyries. A compilation showing the magnetic signature along with IP chargeability highs and gold values is shown in Figure 16.

The recent IP survey carried out by Cathro Resource Corp. highlighted two very strong IP chargeability anomalies (numbered cA and cB) on line 700 N in the "Tahte Mystery Bowl" on the margin of the two identified 1980 Noranda drill sites (Cathro, 2014). The next line to the north, of the three line survey at 1200 N also identified a strong chargeability anomaly (cC). A third line over quartz monzonite returned a weak chargeability anomaly (cD) to the east of the Ribbon zone in the area of mapped northwest trending andesite outcrops, likely sills or dykes. The IP anomalies in the "Tahte Mystery Bowl" have not been adequately tested.

Plate 6. The Tahte Mystery Bowl

PETROGRAPHY

Seven rock samples had thin sections prepared, which are described by Dr. Tim Liverton in Appendix VIII. This work confirms the presence of propylitic (chlorite- epidote- pyrite) and phyllic (quartz- sericite- pyrite) styles of alteration. The presence of clay alteration may be due to weathering, or may be argillic alteration. There is some weak feldspar rimming and biotite that maybe secondary, however it is not certain that these mineral textures are due to potassic alteration.

10.0 DRILLING

Three short BQ diamond drill holes totaling 882 feet (268.8m) were drilled on the property in 1980 by Noranda (MacDonald, 1980). The location and orientation of these holes is not exactly known, as information in the report is conflicting. The small scale map with the report shows 3 evenly spaced vertical holes across an east-west grid line, while the logs suggest that the first two holes were drilled from a single location, and the third 600 feet to the east. This fits with the location on site of two drill stations identified by cut logs, milled lumber (hole markers?), old drill steel and an empty barrel. Considerable effort was made searching for a third site without success.

The drill core is present at the core library maintained by the Yukon Geological Survey in Whitehorse. The core was relogged and resampled by geologists Jean Pautler and Rob Stroshein in 2010, who concluded that the alteration and mineralization was typical of a porphyry copper environment (Cathro & Pautler, 2011). Of note, the depth of overburden at these holes ranged from 35 feet to 87 feet (11m to 26.5m).

Plate 7. Westernmost Tahte zone 1980 drillhole collar

11.0 SAMPLE PREPARATION, ANALYSES AND SECURITY

The 2019 samples were placed into rice bags in the field by the authors, sealed and secured. The samples were transported and delivered directly by the author to the Whitehorse preparation facility of Bureau Veritas Minerals (Acmelab). The samples were shipped by BVM to their Vancouver laboratory. Bureau Veritas Mineral Laboratories is accredited and certified to the International Organization for Standardization for Quality ISO9001:2008, Environmental Management: ISO14001 and Safety Management OH SAS 18001 and AS4801.

At the laboratory samples were dried at 60°C. Soil samples were sieved to -80 mesh. Rocks were crushed, then a 250g split was pulverized to 200 mesh. The samples were analyzed by BVM method AQ201 for 36 elements by ICP-MS after digestion of 15g by 1:1:1 aqua regia.

Quality control procedures were implemented at the laboratory, involving the regular insertion of blanks and standards and repeat analyses on the samples. Quality Assurance data is provided for each batch of samples and included with each analytical certificate (Appendices II & III).

There was no evidence of any tampering with the samples during collection or shipping. All sample preparation was conducted by the laboratory.

12.0 DATA VERIFICATION

The property is an early stage exploration project, therefore no independent reference standard samples, field duplicates or blanks were included in the samples submitted for analysis. The analytical laboratory conducts quality assurance testing, and this is considered to be adequate for a project at this stage. This QA/QC data is presented along with the analytical certificates in Appendices II & III. Inspection of this data indicates analytical variation that is considered to be acceptable.

A recognized limitation of the analytical method selected is poor reproducibility of gold values when 15g of sample is digested by aqua regia and then analyzed by ICP. In the laboratory soil pulp duplicate analysis sample 1961025 returned 23.2ppb Au initially, but on re-analysis only 7.5ppb. A fire assay method with larger sample size is considered to be the best for gold analysis accuracy.

13.0 MINERAL PROCESSING AND METALLURGICAL TESTING

The property is an early stage exploration project, and no mineral processing or metallurgical testing has been done.

14.0 MINERAL RESOURCE ESTIMATES

The property is an early stage exploration project, and no mineral resource has been identified.

15.0 ADJACENT PROPERTIES

There are no mineral properties within several kilometers of the TAUT property. The BUFF minfile occurrence 115H 033 lies about 4km north of the TAUT property within Little Salmon Carmacks First Nation land claim block LSC R-22B. The BUFF occurrence is poorly described and has not been explored since 1973. It consists of molybdenite in quartz veins hosted by quartz monzonite, possibly similar to the Ribbon zone on the TAUT project.

16.0 OTHER RELEVANT DATA AND INFORMATION

The reader is encouraged to review the references; Cathro and Pautler, 2011; Cathro, 2013; and Cathro, 2014, for details on the recent geochemical and geophysical surveys. There is no other relevant data or information available that has not been included in this report.

17.0 INTERPRETATION AND CONCLUSIONS

The mineralization intersected in 1980 drilling is part of a porphyry Cu- Mo- Au- Ag system that is the same age as the giant Casino porphyry deposit to the northwest, amongst other similar

deposits in the region. The values of Cu and Au in the drillholes are the highest found on the property to date, yet this mineralization lies beneath deep overburden that fills a recessive area roughly 1300m in diameter with no outcrop or subcrop called the “Tahte Mystery Bowl”. The soils in this recessive area are weakly anomalous in target metals despite the thick (11m to 26m at drill holes) cover of material that is partly glacial in origin (Pre-Reid age), contains loess and volcanic ash, is cryoturbated and often frozen.

The presence of molybdenite in quartz veins and alteration of the country rocks that extend beyond this central area for kilometers to the north in the Ribbon zone and to the southwest is evidence of a large and strong hydrothermal system. The molybdenum potential of these zones appears to be modest, as the veins are narrow and widely spaced, and the disseminated molybdenite appears to be sparse within the country rocks.

The porphyritic rocks that crop out south and west of the Tahte zone were interpreted to be Carmacks volcanic rocks. The ridge to the southwest is obviously a thin cap rock in places. The identification of a Casino-aged intrusive plug immediately southwest of the Tahte bowl within the volcanics (and probably a feeder to the volcanics) increases the potential of the area around and under the volcanic cap, and extends the area of interest off the claims to the south. The presence of polymetallic soil geochemical anomalies on the southwest ridge, including the highest Au in soil value on the property emphasizes the expansion potential in this direction. The enhanced polymetallic values obtained from the “lineament” that crosses the southwest ridge suggests that this structure and probably others are likely to control the hydrothermal system and mineralization.

18.0 RECOMMENDATIONS

A more detailed magnetics +/- radiometrics survey (100m spaced, helicopter borne OR 50m spaced drone borne magnetics only) would be beneficial for indicating important structures and geological contacts. The radiometrics could potentially identify a potassic altered porphyry target. A Lidar survey or DEM survey would help to identify structures. Sourcing a high resolution satellite image would provide a superior base for mapping.

Further prospecting and soil geochemistry to the south and west of the claims is recommended. The anomalous nature of the recessive lineament crossing the south ridge and the extension of favourable volcanic/ intrusive rocks to the south suggest further potential in this direction. Additional claims should be staked in this area.

Close examination and mapping of the volcanic/ intrusive porphyry bodies south and west of the Tahte zone was not done in 2019. This unit was assumed to be a late volcanic cap rock overlying the porphyry system, however the presence of a Casino aged porphyry plug within this unit

(Allan, 2014), along with strongly anomalous soils in the saddle and lineament area indicates high potential in and near this unit. The unit extends to the south off the claims.

The “Tahte Mystery Bowl” should be tested by some form of drilling capable of reaching bedrock on a 100m grid. Perhaps a mobile percussion drill, with immediate XRF field testing of bedrock material. An orientation survey of Ah horizon ultra trace soil geochemistry should be conducted over Tahte bowl (method as described in Heberlein & Samson, 2010).

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20.0 CERTIFICATES

WILLIAM D. MANN, M.Sc., P.Geo.

19 HAYES CRESCENT, WHITEHORSE, YUKON Y1A 0E1

1. I am a member in good standing of Engineers and Geoscientists, British Columbia, License #31907.
2. I am a Graduate of Queen's University, 1986, with a Master of Science Degree in Mineral Exploration Geology.
3. I am a Graduate of the University of British Columbia, 1983, with a Bachelor of Science Degree in Geology.
4. I have worked in mineral exploration and mining continuously since 1979.
5. I participated in the work program on the TAUT claims August 5- 11, 2019.
6. I am a co-owner of the TAUT claims.

January 15, 2020

William D. Mann, M.Sc., P.Geo.

STATEMENT of QUALIFICATIONS (RWH)

I, Roger W. Hulstein, of:

106 Wilson Drive

Whitehorse, Yukon Territory

Y1A 0C9,

do hereby certify that:

1. I am an independent, self-employed, mineral exploration geologist with over 30 years of experience working in the Yukon.

2. I am a graduate of Saint Mary's University, Halifax, with a degree in geology (B.Sc., 1981) and have been involved in geology and mineral exploration continuously since 1978.

3. I am a fellow of the Geological Association of Canada (F3572).

4. I am registered as a professional geoscientist (No. 19127) with the Association of Professional Engineers and Geoscientists of the Province of British Columbia.

5. I am the co-author of this report on the Taut Project in the Whitehorse Mining District, Yukon.

6. The report is based on personal examination of selected areas within the project area on August 5-11th, 2019 and on referenced sources.

7. I am a co-owner of the TAUT claims.

Roger Hulstein, B.Sc., P.Geo. **January 15, 2020**

403000 404000 405000 406000 407000 408000 409000 410000

6852000 6851000 6850000 6849000 6848000

N

Symbols

- Quartz Vn with Moly
- Taut_2019_GeoStations
- Age Date Ma
- 1980 Noranda Drill Holes
- Outcrop Poly
- Assumed Contact
- Defined Conact
- Inferred Contact
- Faults
- Satellite Linears
- Ribbon_Zone_poly
- Property_outline2019Aug
- First_Nation_Settlement_Lands_250k

RH19469 RH19468 RH19467 RH19457 RH19456 RH19455 MOLY RH19458 RH19466 RH19465 WDM19R401 RH19454 RH19453 RH19452 POST31 34 RH19451 RH19470 RH19450 RH19441 RH19442 RH19440 RH19444 RH19439 RH19438 RH19437 RH19445 RH19443 RH19436 RH19447 RH19446 RH19435 RH19449 RH19448 RH19474 RH19475 RH19434 RH19433 RH19432 RH19473 RH19476 RH19477 RH19431 RH19430 RH19472 RH19429 RH19471 RH19478 RH19428 RH19421 RH19423 RH19427 RH19422 RH19424 RH19426 RH19420 RH19425 RH19418 TAUT CAMP RH19419 RH19417 RH19416 RH19414 RH19415 PIT3 CC RH19401 RH19402 RH19410 RH19409 RH19413 PIT 2 TEST PIT TAH DDH DDH TAHDDH RH19412 DDH RH19411 RH19459 RH19408 RH19407 CONTACT2 RH19403 RH19404 CONTACT RH19406 CONT8 RH19405 CONT7 CONT6 T13R006 287 CONT5 CONT4 CONT CONT2 CONT3 RH19460 RH19461 WDM19R400 RH19462 RH19463 RH19464

EJgL EJqL2 uKC2 ?

GEOLOGICAL LEGEND

Late Cretaceous

uKC2 Carmacks Group; andesite volcanics, commonly feldspar, hornblende porphyritic, magnetite bearing where fresh

Jurassic

EJgL Long Lake Suite, Aishihik Batholith; quartz monzonite, granite, leucocratic, non-foliated, quartz-feldspar phyric, local pegmatite, locally deeply weathered, limonite product

EJqL2 Long Lake Suite, Aishikik Batholith; medium - coarse grained foliated biotie - hornblende granodiorite, aplite, local biotite rich gneiss schlieren

0 500 1000 1500 m

Taut Project, Yukon Territory

PROJECT AREA GEOLOGY

January 2, 2020
Datum: UTM, NAD83, Zone 8

403000 404000 405000 406000 407000 408000 409000

6852000 6851000 6850000 6849000 6848000

1961134 1961109 1961110 1961111 I065752 1961112 I065754 1961113 1961114 1961133 1961115 1961116 1961117 65705 65706 I065751 1961132 I065753 1961105 1961104 1961106 1961107 1961108 1961103 1961136 1961135 1961102 1961038 1961039 1961037 1961040 1961036 65704 1961035 1961041 1961034 1961033 1961032 1961031 1961030 1961029 1961005 ? ? ? 1961001 1961004 1961003 1961002 DDH DDH 1961006 1961007 65703 1961009 1961008 1961101 65702 1961010 1961012 1961028 1961011 1961013 1961027 1961014 1961016 1961044 1961015 1961045 1961026 1961017 1961043 1961046 1961021 1961042 1961047 1961121 1961122 1961023 1961119 1961118 1961048 1961124 1961127 1961128 1961129 1961130 1961131 1961025 1961022 1961120 1961049 1961125 1961126 1961051 1961050 1961024 1961052

250 0 250 500 750 1000 m

Legend

- First_Nation_Lands
- Property_outline2019Aug
- Quartz Vn with Moly
- Age Date: 76.12 +/-0.72 Ma
- 1980 Noranda Drill Hole

TAUT 2019 Rock_Au_ppb

- 0.50 - 0.50
- 0.50 - 2.80

TAUT_2019_Soil_Au-ppb

- 0.5 - 8.2
- 8.2 - 23.2
- 23.2 - 54.4
- 54.4 - 109.1
- 109.1 - 715.3

- Outcrop Poly
- Assumed Contact
- Inferred Contact
- Defined Conact
- Faults
- Ribbon_Zone_poly

TAUT Project, Yukon Territory

2019 Gold Geochemistry
and Sample Numbers

Jan. 7, 2020
Grid: UTM; Datum: NAD83, Zone 8

403000 404000 405000 406000 407000 408000 409000

6852000 6851000 6850000 6849000 6848000

DDH DDH

?

250 0 250 500 750 1000 m

Legend

- First_Nation_Lands
- Property_outline2019Aug
- Age Date Ma
- 1980 Noranda Drill Hole

Tahte_2010-13_rocks_Au_ppb
- 1 - 1
- 1 - 7
- 7 - 13
- 13 - 25
- 25 - 95

TAUT 2019 Rock_Au_ppb
- 0.50 - 0.50
- 0.50 - 2.80

Tahte_2010-13_Soils_Au_ppm
- 1.0 - 8.2
- 8.2 - 23.2
- 23.0 - 54.4

TAUT_2019_Soil_Au-ppb
- 0.5 - 8.2
- 8.2 - 23.2
- 23.2 - 54.4
- 54.4 - 109.1
- 109.1 - 715.3

Tahte_2010_Silt_samples_Au_ppb
- -5.0 - -5.0
- -5.0 - 10.0

- Inferred Contact
- Assumed Contact
- Defined Conact
- Faults
- Ribbon_Zone_poly

TAUT Project

Gold Geochemistry

Jan. 7, 2020
Datum: UTM, NAD83 Zone 8

403000 404000 405000 406000 407000 408000 409000

6852000 6851000 6850000 6849000 6848000

DDH DDH

?

250 0 250 500 750 1000 m

Legend

Tahte_2010-13_Soil_Ag_ppm
- -0.20 - -0.20
- -0.20 - 0.42
- 0.42 - 1.01
- 1.01 - 2.40

TAUT_2019_Soil_Ag_ppm
- 0.10 - 0.20
- 0.20 - 0.50
- 0.50 - 0.90
- 0.90 - 1.40
- 1.40 - 1.80

TAUT 2019 Rock_Ag_ppm
- 0.1 - 0.1
- 0.1 - 1.5
- 1.5 - 3.4

Tahte_2010-13_Rock_Ag_ppm
- 0.01 - 0.09
- 0.09 - 0.31
- 0.31 - 0.73
- 0.73 - 3.10
- 3.10 - 7.20

Tahte_2010_Silt_samples_Ag_ppm
- -0.20 - 0.30
- 0.30 - 0.80

1980 Noranda Drill Holes
Age Date Ma
Quartz Vn with Moly
Outcrop Poly
Assumed Contact
Inferred Contact
Defined Conact
Faults
Satellite Linears
Ribbon_Zone_poly
First_Nation_Settlement_Lands
Property_outline2019Aug

TAUT Project, Yukon Territory

Silver Geochemistry

Jan. 7, 2020
Grid: UTM; Datum: NAD83, Zone 8

403000 404000 405000 406000 407000 408000 409000

6852000 6851000 6850000 6849000 6848000

DDH DDH

?

250 0 250 500 750 1000 m

Legend

Tahte_2010-13_Soils_Cu_ppm
- 2.0 - 14.8
- 14.8 - 26.4
- 26.4 - 47.2
- 47.2 - 87.4
- 87.4 - 138.0

Tahte_2010-13_Rock_Cu_ppm
- 0.7 - 4.9
- 4.9 - 10.0
- 10.0 - 22.0
- 22.0 - 86.0
- 86.0 - 118.0

Tahte_2010_Silt_samples_Cu_ppm
- -2.0 - -2.0
- -2.0 - 6.0
- 6.0 - 10.0
- 10.0 - 14.0
- 14.0 - 64.0

TAUT 2019 Rock_Cu_ppm
- 0.70 - 0.90
- 0.90 - 1.40
- 1.40 - 3.10
- 3.10 - 20.70

TAUT_2019_Soil_Cu_ppm
- 10 - 18
- 18 - 28
- 28 - 44
- 44 - 68
- 68 - 89

- 1980 Noranda Drill Holes
- Outcrop Poly
- Assumed Contact
- Inferred Contact
- Defined Conact
- Faults
- Satellite Linears
- Ribbon_Zone_poly
- First_Nation_Settlement_Lands
- Property_outline2019Aug
- Age Date Ma
- Quartz Vn with Moly

TAUT Project, Yukon Territory

Copper Geochemistry

Jan. 7, 2020
Grid: UTM; Datum: NAD83, Zone 8

403000 404000 405000 406000 407000 408000 409000

6852000 6851000 6850000 6849000 6848000

DDH DDH

?

250 0 250 500 750 1000 m

Legend

Tahte_2010_Silt_Samp_Pb_ppm
- 3.0 - 3.0
- 3.0 - 6.0
- 6.0 - 9.0
- 9.0 - 12.0
- 12.0 - 15.0

Tahte_2010-13_Soils_Pb_ppm
- -3.0 - 6.6
- 6.6 - 18.7
- 18.7 - 36.0
- 36.0 - 71.0
- 71.0 - 146.0

Tahte_2010-13_Rock_Pb_ppm
- 0.5 - 13.8
- 13.8 - 32.8
- 32.8 - 84.7
- 84.7 - 207.0
- 207.0 - 561.0

TAUT 2019 Rock_Pb_ppm
- 1 - 1
- 1 - 15
- 15 - 462
- 462 - 2236

TAUT_2019_Soil_Pb_ppm
- 5 - 14
- 14 - 27
- 27 - 48
- 48 - 75
- 75 - 143

- Outcrop Poly
- Assumed Contact
- Inferred Contact
- Defined Conact
- Faults
- Satellite Linears
- Ribbon_Zone_poly
- First_Nation_Settlement_Lands
- Property_outline2019Aug
- Age Date Ma
- 1980 Noranda Drill Holes
- Quartz Vn with Moly

TAUT Project, Yukon Territory

Lead Geochemistry

Jan. 10, 2020
Grid: UTM; Datum: NAD83, Zone 8

403000 404000 405000 406000 407000 408000 409000

6852000 6851000 6850000 6849000 6848000

N

DDH DDH

?

250 0 250 500 750 1000 m

Legend

TAUT_2019_Soil_Zn_ppm
- 39.0 - 72.0
- 72.0 - 125.0
- 125.0 - 194.0
- 194.0 - 336.0
- 336.0 - 817.0

TAUT 2019 Rock_Zn_ppm
- 1.0 - 1.0
- 1.0 - 4.0
- 4.0 - 5.0
- 5.0 - 15.0
- 15.0 - 35.0

Tahte_2010-13_Rock_Zn_ppm
- 1.0 - 8.0
- 8.0 - 26.0
- 26.0 - 66.0
- 66.0 - 216.0
- 216.0 - 436.0

Tahte_2010-13_Soils_Zn_ppm
- 8.0 - 36.0
- 36.0 - 76.0
- 76.0 - 130.0
- 130.0 - 218.0
- 218.0 - 387.0

Tahte_2010_Silt_samples_Zn_ppm
- 10.0 - 18.0
- 30.0 - 44.0
- 44.0 - 66.0

Outcrop Poly
Assumed Contact
Inferred Contact
Defined Conact
Faults
Satellite Linears
Ribbon_Zone_poly
First_Nation_Settlement_Lands
Property_outline2019Aug
Age Date Ma
1980 Noranda Drill Holes
Quartz Vn with Moly

TAUT Project, Yukon Territory

Zinc Geochemistry

Jan. 10, 2020
Grid: UTM; Datum: NAD83, Zone 8

403000 404000 405000 406000 407000 408000 409000

6852000 6851000 6850000 6849000 6848000

DDH DDH

? ? ? ?

250 0 250 500 750 1000 m

Legend

Tahte_2010-13_Rock_Mo_ppm
- 0 - 76
- 76 - 409
- 409 - 968
- 968 - 1835
- 1835 - 4340

Tahte_2010_Silt_samples_Mo_ppm
- -1.0 - -1.0
- -1.0 - 2.0
- 2.0 - 5.0

TAUT 2019 Rock_Mo_ppm
- 28.3 - 51.3
- 51.3 - 112.5
- 112.5 - 525.8
- 525.8 - 821.6
- 821.6 - 1311.9

TAUT_2019_Soil_Mo_ppm
- 0 - 5
- 5 - 14
- 14 - 31
- 31 - 43

Tahte_2010-13_Soils_Mo_ppm
- -1.0 - 2.4
- 2.4 - 7.0
- 7.0 - 20.0
- 20.0 - 51.6
- 51.6 - 184.0

- Outcrop Poly
- Assumed Contact
- Inferred Contact
- Defined Conact
- Faults
- Satellite Linears
- Ribbon_Zone_poly
- First_Nation_Settlement_Lands
- Property_outline2019Aug
- Age Date Ma
- 1980 Noranda Drill Holes
- Quartz Vn with Moly

TAUT Project, Yukon Territory

Molybdenum Geochemistry

Jan. 7, 2020
Grid: UTM; Datum: NAD83, Zone 8

403000 404000 405000 406000 407000 408000 409000

6852000 6851000 6850000 6849000 6848000

N

DDH DDH

? ? ? ?

250 0 250 500 750 1000 m

Legend

Tahte_2010-13_Soils_As_ppm
- -5.0 - -5.0
- -5.0 - 8.7
- 8.7 - 21.4
- 21.4 - 56.6
- 56.6 - 165.0

Tahte_2010-13_Rock_As_ppm
- 0.1 - 2.6
- 2.6 - 6.1
- 6.1 - 10.0
- 10.0 - 40.0
- 40.0 - 50.0

TAUT 2019 Rock_As_ppm
- 0.50 - 0.50
- 0.50 - 0.60
- 0.60 - 1.00
- 1.00 - 1.80

TAUT_2019_Soil_As_ppm
- 3.0 - 6.2
- 6.2 - 9.5
- 9.5 - 14.9
- 14.9 - 23.6
- 23.6 - 43.9

Tahte_2010_Silt_samples_As_ppm
- -5 - 5

Outcrop Poly
Assumed Contact
Inferred Contact
Defined Conact
Faults
Satellite Linears
Ribbon_Zone_poly
First_Nation_Settlement_Lands
Property_outline2019Aug
Age Date Ma
1980 Noranda Drill Holes
Quartz Vn with Moly

TAUT Project, Yukon Territory

Arsenic Geochemistry

Jan. 10, 2020
Grid: UTM; Datum: NAD83, Zone 8

403000 404000 405000 406000 407000 408000 409000

6852000 6851000 6850000 6849000 6848000

N

DDH DDH

? ? ? ?

250 0 250 500 750 1000 m

Legend

Tahte_2010-13_Soils_Sb_ppm
- -5.00 - -5.00
- -5.00 - 0.51
- 0.51 - 1.00
- 1.00 - 2.79
- 2.79 - 6.12

Tahte_2010-13_Rock_Sb_ppm
- -5.00 - -5.00
- -5.00 - 0.65
- 0.65 - 1.76
- 1.76 - 3.88
- 3.88 - 5.18

TAUT_2019_Soil_Sb_ppm
- 0.10 - 0.30
- 0.30 - 0.50
- 0.50 - 0.70
- 0.70 - 1.40
- 1.40 - 3.10

TAUT 2019 Rock_Sb_ppm
- 0.10 - 0.10
- 0.10 - 0.40
- 0.40 - 1.70
- 1.70 - 7.50

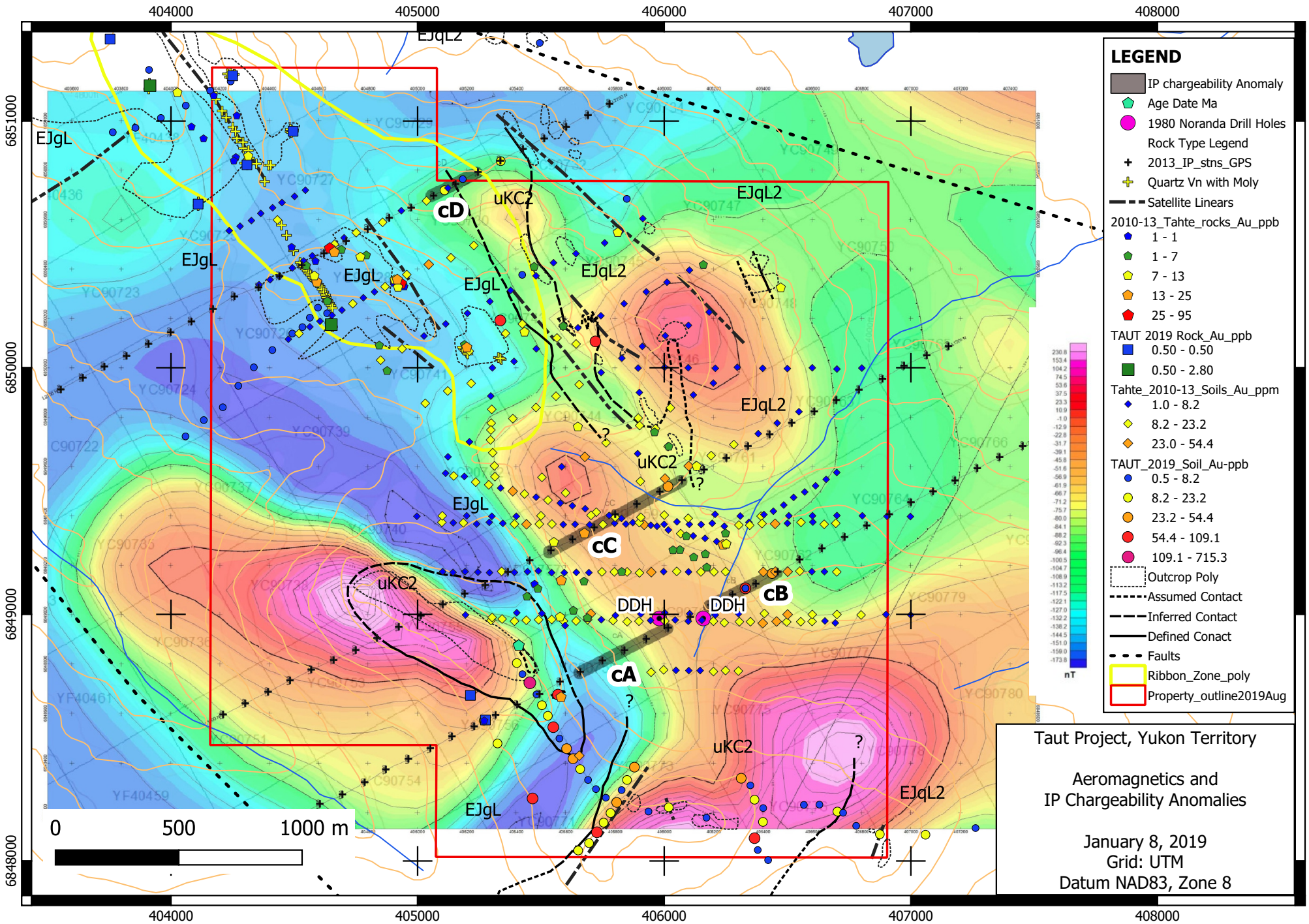
Tahte_2010_Silt_samples_Sb_ppm
- -5.0000 - -5.0000

Outcrop Poly
Assumed Contact
Inferred Contact
Defined Conact
Faults
Satellite Linears
Ribbon_Zone_poly
First_Nation_Settlement_Lands
Property_outline2019Aug
Age Date Ma
1980 Noranda Drill Holes
Quartz Vn with Moly

TAUT Project, Yukon Territory

Antimony Geochemistry

Jan. 10, 2020
Grid: UTM; Datum: NAD83, Zone 8


404000
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EJqL2
EJgL
cD
uKC2
EJqL2
EJgL
EJgL
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EJqL2
EJqL2
?
uKC2
?
EJgL
cC
uKC2
cB
DDH
DDH
cA
?
uKC2
?
EJqL2
EJgL
0
500
1000 m
LEGEND
IP chargeability Anomaly
Age Date Ma
1980 Noranda Drill Holes
Rock Type Legend
2013_IP_stns_GPS
Quartz Vn with Moly
Satellite Linears
2010-13_Tahte_rocks_Au_ppb
1 - 1
1 - 7
7 - 13
13 - 25
25 - 95
TAUT 2019 Rock_Au_ppb
0.50 - 0.50
0.50 - 2.80
Tahte_2010-13_Soils_Au_ppm
1.0 - 8.2
8.2 - 23.2
23.0 - 54.4
TAUT_2019_Soil_Au-ppb
0.5 - 8.2
8.2 - 23.2
23.2 - 54.4
54.4 - 109.1
109.1 - 715.3
Outcrop Poly
Assumed Contact
Inferred Contact
Defined Conact
Faults
Ribbon_Zone_poly
Property_outline2019Aug
nT
Taut Project, Yukon Territory
Aeromagnetics and
IP Chargeability Anomalies
January 8, 2019
Grid: UTM
Datum NAD83, Zone 8

STATEMENT OF EXPENDITURES

Exploration TAUT claims 2019

Labour	William Mann	Prospecting/ Mapping/ Soils	7	500	$3,500.00
	Roger Hulstein	Prospecting/ Mapping/ Soils	7	500	$3,500.00
Field Costs	$100 per worker-day		14	100	$1,400.00
Assays	Bureau Veritas	soils VANI340156	88		$2,545.62
		rocks VANI340182	9		$303.44
Helicopter	Capital Helicopters	A-Star from Whitehorse			$5,748.62
Thin Sections		Slab rocks - W. Mann	0.5	500	$250
		Preparation - VanPetro			$199.00
		Analysis - Tim Liverton			$1,000.00
XRF	Niton XL3t	$110 per day of use	7	110	$770.00
Maps	R. Hulstein	GIS & map preparation	1	500	$500.00
Report	Mann & Hulstein				$2,500.00
		PROJECT TOTAL:			**$22,216.68**

Work conducted off claims -substract from above

17 soils of 88 = 19.3%	491.3	
3 Rocks of 9 = 33.3%	100.14	
1 day labour	500	
1 day field cost	100	
	1191.44	1191.44
TOTAL EXPENDITURES ON CLAIMS:		**$21,025.24**

BUREAU VERITAS MINERAL LABORATORIES Canada

www.bureauveritas.com/um

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

Client: **Bill Mann**
19 Hayes Cres.
Whitehorse Yukon Y1A 0E1 Canada

Submitted By: Bill Mann
Receiving Lab: Canada-Whitehorse
Received: August 15, 2019
Report Date: August 30, 2019
Page: 1 of 4

CERTIFICATE OF ANALYSIS WHI19000382.1

CLIENT JOB INFORMATION

Project: TAUT
Shipment ID:
P.O. Number
Number of Samples: 88

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
RTRN-RJT Return 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
DY060	88	Dry at 60C			WHI
SS80	88	Dry at 60C sieve 100g to -80 mesh			WHI
AQ201	88	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
SHP01	88	Per sample shipping charges for branch shipments			VAN

ADDITIONAL COMMENTS

Invoice To: Bill Mann
19 Hayes Cres.
Whitehorse Yukon Y1A 0E1
Canada

CC:

KERRY JAY
Geochem Project Specialist

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

BUREAU VERITAS MINERAL LABORATORIES Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.

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

Client: **Bill Mann**
19 Hayes Cres.
Whitehorse Yukon Y1A 0E1 Canada

Project: TAUT
Report Date: August 30, 2019

CERTIFICATE OF ANALYSIS WHI19000382.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	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	2	0.01	0.001	1
1961001	Soil	1.2	29.9	10.6	87	0.1	14.3	11.4	446	3.03	5.4	97.7	4.7	39	0.3	0.3	0.2	62	0.54	0.122	15
1961002	Soil	1.0	20.6	11.2	71	<0.1	11.1	11.8	1997	2.49	4.1	5.0	4.5	29	0.2	0.3	0.1	54	0.41	0.101	12
1961003	Soil	0.9	16.0	11.3	92	<0.1	14.0	8.9	490	2.47	3.0	7.6	4.6	30	0.2	0.2	0.1	55	0.48	0.086	13
1961004	Soil	1.5	67.5	13.1	194	0.8	19.2	20.3	869	4.30	6.2	54.4	7.4	30	0.5	0.3	0.7	82	0.38	0.061	15
1961005	Soil	1.7	49.3	18.2	133	<0.1	17.4	16.6	837	4.52	12.7	31.8	6.3	41	0.6	0.4	0.4	68	0.28	0.060	16
1961006	Soil	1.1	24.6	21.8	79	0.2	21.6	8.7	378	3.15	8.6	13.0	1.9	26	0.5	0.4	0.2	68	0.22	0.049	11
1961007	Soil	1.6	26.6	13.5	66	0.2	14.9	7.7	430	2.88	9.2	5.8	0.9	53	0.1	0.4	0.3	57	0.26	0.081	9
1961008	Soil	1.4	39.7	33.5	83	0.4	11.9	8.7	486	3.20	13.1	715.3	2.6	58	0.2	0.6	0.6	46	0.14	0.046	17
1961009	Soil	1.5	17.3	14.4	80	0.2	16.6	8.4	739	2.79	6.6	3.6	0.9	33	0.2	0.5	0.2	77	0.27	0.061	8
1961010	Soil	0.8	24.6	15.8	71	0.4	23.3	10.7	439	2.97	9.0	18.0	4.4	20	0.3	0.4	0.2	64	0.16	0.032	13
1961011	Soil	2.1	19.2	43.4	53	0.5	9.2	4.7	220	2.93	9.9	17.6	1.0	26	0.3	0.5	0.8	67	0.14	0.080	15
1961012	Soil	1.4	22.1	37.6	87	1.1	14.9	14.9	779	3.53	9.5	61.7	2.7	23	0.3	0.5	0.8	52	0.19	0.037	12
1961013	Soil	0.9	27.2	36.4	78	0.3	19.5	11.1	517	3.05	10.8	7.3	2.5	21	0.3	0.7	0.3	60	0.20	0.051	12
1961014	Soil	0.9	36.6	60.2	101	0.6	20.6	9.9	597	3.11	11.0	39.3	3.8	17	0.5	0.8	0.4	63	0.18	0.033	13
1961015	Soil	0.8	24.9	62.1	106	0.7	16.7	8.4	681	2.93	10.3	31.5	4.1	14	0.5	0.7	0.6	51	0.13	0.032	11
1961016	Soil	7.2	27.1	44.3	125	0.7	20.4	9.8	809	3.37	19.1	14.5	3.4	15	0.3	3.1	0.3	65	0.14	0.048	11
1961017	Soil	1.3	15.1	18.4	63	0.4	9.2	3.9	296	2.02	5.9	3.6	2.0	15	0.2	0.6	0.2	63	0.13	0.026	10
1961018	Soil	3.3	40.3	71.1	170	0.5	16.4	14.3	731	3.97	9.0	5.1	3.0	17	0.6	0.6	0.2	60	0.19	0.068	13
1961019	Soil	1.2	33.0	39.0	147	0.1	25.8	12.1	812	4.17	11.5	5.1	7.9	17	0.3	0.7	0.1	65	0.23	0.036	19
1961020	Soil	1.6	45.4	143.2	237	0.7	18.3	14.9	883	3.45	19.2	50.7	3.5	35	1.1	0.7	0.5	68	0.51	0.055	18
1961021	Soil	1.1	19.2	124.0	235	1.2	13.2	10.9	1897	2.96	23.2	13.5	2.1	20	0.6	0.8	<0.1	63	0.22	0.041	10
1961022	Soil	2.1	14.6	31.7	142	0.3	10.2	6.7	443	2.64	12.4	11.1	2.5	25	0.2	0.6	<0.1	54	0.40	0.044	12
1961023	Soil	1.3	20.5	29.5	107	0.4	13.0	7.9	746	2.65	12.9	66.3	2.0	28	0.4	0.6	<0.1	53	0.46	0.062	16
1961024	Soil	1.3	17.7	31.7	111	0.6	12.8	10.1	406	3.09	11.5	13.6	2.0	30	0.3	0.6	<0.1	58	0.55	0.069	14
1961025	Soil	0.8	23.7	18.5	89	0.5	15.3	8.6	594	2.65	9.1	23.2	2.1	38	0.3	0.4	<0.1	59	0.62	0.080	25
1961026	Soil	0.9	27.6	34.0	179	0.8	20.7	11.9	1042	3.03	10.2	87.6	3.9	19	0.8	0.7	0.2	61	0.24	0.066	13
1961027	Soil	0.8	22.2	26.5	85	0.7	14.7	7.7	428	2.65	8.5	10.4	3.2	15	0.4	0.4	0.3	60	0.15	0.034	12
1961028	Soil	27.9	37.0	75.3	252	1.4	20.1	7.5	567	3.90	20.1	22.9	3.5	25	0.8	0.8	0.8	59	0.19	0.059	12
1961029	Soil	0.7	21.8	9.1	55	<0.1	26.1	12.3	475	2.75	7.3	5.8	4.2	16	0.2	0.4	0.1	63	0.22	0.043	10
1961030	Soil	0.7	17.2	7.7	55	0.2	23.5	11.7	322	2.81	7.6	<0.5	5.5	19	0.3	0.3	0.1	67	0.24	0.040	13

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Project: TAUT
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		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1961001	Soil		27	0.70	159	0.096	<1	1.57	0.032	0.14	<0.1	<0.01	4.7	0.1	<0.05	5	<0.5	<0.2
1961002	Soil		21	0.60	165	0.085	<1	1.32	0.025	0.11	<0.1	0.02	3.6	<0.1	<0.05	4	<0.5	<0.2
1961003	Soil		27	0.75	170	0.105	<1	1.94	0.022	0.11	0.1	0.02	4.5	0.1	<0.05	6	<0.5	<0.2
1961004	Soil		48	1.23	184	0.129	<1	3.52	0.017	0.30	0.1	0.06	9.6	0.3	<0.05	10	<0.5	0.5
1961005	Soil		31	0.90	136	0.133	<1	2.84	0.025	0.29	0.1	0.01	6.4	0.2	<0.05	8	<0.5	0.3
1961006	Soil		32	0.61	111	0.074	2	2.28	0.013	0.08	0.1	0.05	3.6	0.1	<0.05	7	<0.5	<0.2
1961007	Soil		28	0.51	120	0.037	2	2.10	0.014	0.07	0.1	0.08	2.3	0.1	<0.05	7	<0.5	0.3
1961008	Soil		24	0.61	138	0.030	1	1.63	0.036	0.10	<0.1	0.02	3.4	0.1	0.10	5	0.5	0.8
1961009	Soil		29	0.46	200	0.065	2	1.60	0.014	0.06	0.1	0.06	2.8	0.2	<0.05	8	<0.5	<0.2
1961010	Soil		31	0.57	133	0.093	2	2.49	0.015	0.07	0.1	0.03	4.3	0.1	<0.05	7	<0.5	0.2
1961011	Soil		23	0.31	113	0.031	<1	1.70	0.013	0.05	<0.1	0.05	2.8	0.1	<0.05	8	<0.5	1.0
1961012	Soil		26	0.55	116	0.044	1	1.98	0.023	0.07	<0.1	0.06	3.5	0.1	<0.05	5	<0.5	1.4
1961013	Soil		30	0.54	146	0.061	1	2.51	0.015	0.09	<0.1	0.05	3.5	0.1	<0.05	6	<0.5	0.3
1961014	Soil		32	0.56	150	0.073	2	2.26	0.013	0.12	0.1	0.04	4.7	0.2	<0.05	6	<0.5	0.4
1961015	Soil		25	0.34	116	0.070	1	1.86	0.012	0.06	0.1	0.09	3.2	<0.1	<0.05	5	<0.5	0.6
1961016	Soil		31	0.47	112	0.086	1	2.20	0.013	0.08	0.1	0.05	3.9	0.1	<0.05	8	<0.5	0.2
1961017	Soil		20	0.23	72	0.084	<1	1.37	0.009	0.04	<0.1	0.05	2.7	0.1	<0.05	7	<0.5	<0.2
1961018	Soil		28	0.55	144	0.051	1	2.67	0.015	0.08	<0.1	0.05	4.8	0.1	<0.05	7	<0.5	<0.2
1961019	Soil		41	0.58	113	0.111	1	1.76	0.012	0.17	<0.1	0.03	6.2	0.2	<0.05	7	<0.5	<0.2
1961020	Soil		32	0.75	179	0.083	2	1.84	0.029	0.09	<0.1	0.07	7.2	0.1	<0.05	6	<0.5	0.5
1961021	Soil		24	0.68	185	0.034	1	2.33	0.015	0.07	<0.1	0.08	4.0	0.1	<0.05	6	<0.5	0.2
1961022	Soil		22	0.63	220	0.048	<1	1.52	0.021	0.07	<0.1	0.02	4.3	<0.1	<0.05	5	<0.5	<0.2
1961023	Soil		24	0.61	353	0.038	1	1.75	0.018	0.08	<0.1	0.05	5.6	0.1	<0.05	5	<0.5	<0.2
1961024	Soil		25	0.77	390	0.027	1	2.05	0.016	0.08	<0.1	0.04	6.0	0.1	<0.05	6	<0.5	<0.2
1961025	Soil		28	0.71	518	0.045	1	2.09	0.022	0.09	<0.1	0.04	7.3	0.1	<0.05	6	<0.5	<0.2
1961026	Soil		31	0.50	109	0.097	2	2.23	0.014	0.13	0.1	0.05	4.3	0.1	<0.05	6	<0.5	<0.2
1961027	Soil		28	0.43	116	0.084	1	1.83	0.013	0.07	0.1	0.04	3.8	<0.1	<0.05	6	<0.5	0.3
1961028	Soil		34	0.49	249	0.020	<1	2.90	0.011	0.09	0.1	0.11	4.1	0.2	<0.05	7	<0.5	0.7
1961029	Soil		37	0.55	152	0.098	1	2.64	0.013	0.13	0.1	0.03	4.5	0.1	<0.05	6	<0.5	<0.2
1961030	Soil		39	0.62	145	0.129	2	2.78	0.016	0.11	0.2	0.04	5.7	0.1	<0.05	7	<0.5	<0.2

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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	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	2	0.01	0.001	1
1961031	Soil	0.7	18.9	7.5	56	<0.1	18.8	9.5	348	2.73	6.7	5.5	4.3	18	0.2	0.3	0.1	69	0.23	0.039	12
1961032	Soil	0.9	16.7	7.8	49	0.1	16.3	8.1	251	3.09	7.9	1.2	4.2	23	0.1	0.3	0.1	75	0.24	0.043	11
1961033	Soil	1.4	9.7	9.2	39	0.2	9.8	4.3	164	2.98	7.2	0.8	2.6	16	0.2	0.4	0.2	86	0.18	0.035	9
1961034	Soil	0.9	14.6	9.1	61	<0.1	15.0	7.7	359	2.48	5.6	1.3	1.3	22	0.1	0.4	0.1	60	0.22	0.049	7
1961035	Soil	1.1	12.4	9.6	58	<0.1	13.7	6.7	286	3.02	7.3	3.0	3.6	17	0.1	0.3	0.2	66	0.19	0.034	13
1961036	Soil	1.2	16.4	9.9	49	<0.1	17.3	7.7	304	2.44	5.7	5.0	2.8	15	0.2	0.4	0.1	53	0.16	0.027	9
1961037	Soil	1.4	13.6	10.0	55	0.1	11.7	5.3	272	2.53	5.6	2.8	2.1	15	0.1	0.4	0.1	67	0.13	0.034	7
1961038	Soil	1.6	10.9	9.3	50	<0.1	10.0	7.5	500	2.67	3.5	2.3	2.0	20	<0.1	0.2	<0.1	58	0.14	0.032	10
1961039	Soil	31.0	14.2	13.4	51	<0.1	12.1	6.1	368	2.31	7.1	2.5	1.8	17	0.2	0.5	0.2	56	0.15	0.038	7
1961040	Soil	5.8	10.9	11.6	43	<0.1	13.4	6.7	252	2.56	6.5	3.2	3.2	17	0.2	0.3	0.2	63	0.18	0.032	10
1961041	Soil	5.1	10.2	14.5	48	0.2	10.0	5.4	350	2.50	4.4	2.6	3.3	23	0.1	0.3	<0.1	43	0.14	0.040	12
1961042	Soil	3.9	58.2	25.8	140	0.2	27.9	14.1	477	3.82	4.8	3.4	7.9	22	0.2	0.4	<0.1	72	0.37	0.070	21
1961043	Soil	8.8	79.9	68.6	255	0.8	37.9	18.7	926	3.77	12.4	20.0	5.5	31	0.9	0.5	0.1	82	0.58	0.066	19
1961044	Soil	13.2	54.1	107.7	336	0.7	15.8	10.4	646	3.61	14.3	42.9	6.1	28	0.8	0.7	0.2	63	0.53	0.058	18
1961045	Soil	1.0	21.7	34.1	91	0.4	12.4	10.2	698	2.47	8.9	32.2	2.0	30	0.3	0.4	0.1	63	0.50	0.055	13
1961046	Soil	0.8	25.4	27.0	104	<0.1	16.4	12.8	967	3.26	7.7	3.8	1.7	23	0.3	0.4	<0.1	76	0.31	0.078	12
1961047	Soil	0.7	24.5	21.7	56	0.1	14.3	9.1	491	2.48	6.7	10.1	1.9	25	0.1	0.4	<0.1	60	0.47	0.054	18
1961048	Soil	0.7	19.5	16.2	92	<0.1	15.8	8.8	502	2.69	4.4	1.7	1.8	27	0.2	0.3	<0.1	60	0.45	0.054	10
1961049	Soil	1.0	23.7	11.6	55	0.2	13.1	8.4	500	2.72	4.9	8.9	1.0	27	0.2	0.3	<0.1	69	0.46	0.096	16
1961050	Soil	1.2	30.9	17.5	116	0.3	16.5	11.2	987	3.01	7.3	74.2	1.4	51	0.5	0.5	0.1	63	0.83	0.112	22
1961051	Soil	0.6	36.5	9.5	55	0.3	16.6	8.8	524	2.43	5.8	3.0	1.6	45	0.2	0.4	<0.1	64	0.97	0.078	28
1961052	Soil	0.9	28.4	12.9	68	0.4	17.8	10.3	598	2.71	5.8	2.4	1.8	37	0.6	0.3	0.1	67	0.65	0.059	13
1961101	Soil	3.9	59.8	47.8	64	0.9	6.3	3.7	176	7.65	23.6	68.1	6.4	246	0.1	0.5	1.6	31	0.09	0.191	31
1961102	Soil	4.7	81.6	131.9	817	1.6	14.0	13.6	1217	5.53	43.9	64.0	8.2	30	1.9	1.1	0.7	52	0.19	0.061	27
1961103	Soil	3.2	51.7	12.2	106	<0.1	18.8	19.5	1092	4.16	8.5	1.2	6.2	25	0.2	0.4	0.2	85	0.35	0.087	21
1961104	Soil	0.9	14.9	5.0	94	<0.1	10.5	17.7	829	5.14	4.3	<0.5	4.0	27	0.1	0.1	<0.1	134	0.48	0.134	15
1961105	Soil	12.4	88.8	5.3	142	<0.1	9.5	27.1	972	8.39	3.5	<0.5	4.9	31	<0.1	0.2	0.1	181	0.71	0.212	15
1961106	Soil	1.9	34.2	10.5	78	0.2	21.2	18.2	1286	4.07	6.8	9.2	3.4	43	<0.1	0.3	0.1	85	0.46	0.104	21
1961107	Soil	42.6	43.7	35.4	175	0.3	32.6	24.7	908	5.18	16.9	4.9	8.1	25	0.6	1.4	0.2	71	0.29	0.086	24
1961108	Soil	4.7	15.2	41.4	108	0.5	13.4	6.3	196	2.71	16.7	14.0	4.2	21	0.3	1.0	0.2	63	0.26	0.053	13

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		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1961031	Soil		36	0.60	150	0.113	2	2.15	0.016	0.10	0.2	0.03	4.2	0.1	<0.05	6	<0.5	<0.2
1961032	Soil		36	0.50	105	0.125	<1	2.28	0.013	0.07	0.2	0.03	4.2	0.1	<0.05	7	<0.5	<0.2
1961033	Soil		25	0.29	86	0.121	1	1.34	0.009	0.07	0.1	0.02	2.6	0.1	<0.05	8	<0.5	<0.2
1961034	Soil		24	0.39	185	0.073	<1	1.51	0.014	0.08	<0.1	0.03	2.6	0.1	<0.05	6	<0.5	<0.2
1961035	Soil		31	0.50	155	0.103	<1	1.93	0.011	0.12	0.1	0.02	4.2	0.1	<0.05	8	<0.5	0.3
1961036	Soil		26	0.45	175	0.084	<1	1.79	0.015	0.08	0.1	0.03	3.1	<0.1	<0.05	5	<0.5	<0.2
1961037	Soil		22	0.30	162	0.086	<1	1.29	0.011	0.05	<0.1	0.07	2.2	<0.1	<0.05	7	<0.5	<0.2
1961038	Soil		17	0.45	114	0.081	<1	1.45	0.021	0.06	<0.1	0.03	2.7	0.1	<0.05	5	<0.5	<0.2
1961039	Soil		19	0.33	114	0.068	1	1.25	0.015	0.07	<0.1	0.06	2.0	<0.1	<0.05	5	<0.5	<0.2
1961040	Soil		24	0.39	123	0.100	1	1.72	0.013	0.09	0.1	0.04	2.9	0.1	<0.05	7	<0.5	<0.2
1961041	Soil		17	0.41	204	0.084	<1	1.87	0.016	0.09	<0.1	0.04	2.7	<0.1	<0.05	5	<0.5	<0.2
1961042	Soil		51	0.76	148	0.140	<1	1.86	0.019	0.30	<0.1	0.04	5.8	0.2	<0.05	6	<0.5	<0.2
1961043	Soil		60	1.04	157	0.124	<1	2.38	0.020	0.19	0.1	0.08	7.9	0.2	<0.05	7	<0.5	<0.2
1961044	Soil		31	0.69	108	0.063	<1	1.67	0.019	0.12	<0.1	0.08	4.5	0.1	<0.05	5	<0.5	0.3
1961045	Soil		32	0.68	258	0.028	1	1.92	0.014	0.06	<0.1	0.06	4.1	0.1	<0.05	6	<0.5	<0.2
1961046	Soil		29	0.80	207	0.049	2	2.24	0.017	0.11	<0.1	0.04	4.0	0.1	<0.05	6	<0.5	<0.2
1961047	Soil		26	0.66	322	0.040	<1	1.85	0.016	0.06	<0.1	0.03	4.4	0.1	<0.05	5	<0.5	<0.2
1961048	Soil		28	0.73	201	0.058	2	2.17	0.016	0.07	<0.1	0.03	4.3	<0.1	<0.05	6	<0.5	<0.2
1961049	Soil		25	0.67	270	0.029	<1	1.93	0.017	0.06	<0.1	0.05	3.9	<0.1	<0.05	5	<0.5	<0.2
1961050	Soil		29	0.68	503	0.037	1	2.03	0.017	0.13	<0.1	0.08	7.5	<0.1	<0.05	6	<0.5	<0.2
1961051	Soil		30	0.67	486	0.050	1	2.03	0.022	0.07	<0.1	0.05	6.4	<0.1	<0.05	5	<0.5	<0.2
1961052	Soil		35	0.69	348	0.057	1	1.80	0.014	0.10	<0.1	0.02	4.9	0.1	<0.05	7	<0.5	<0.2
1961101	Soil		19	0.51	221	0.006	<1	2.32	0.253	0.14	<0.1	0.08	3.0	<0.1	0.93	6	1.6	1.7
1961102	Soil		24	0.66	205	0.023	<1	2.24	0.017	0.15	0.2	0.07	5.5	0.2	<0.05	7	<0.5	1.2
1961103	Soil		32	0.89	178	0.127	<1	2.28	0.016	0.22	0.1	0.02	5.9	0.2	<0.05	9	<0.5	<0.2
1961104	Soil		24	2.01	237	0.169	<1	4.09	0.015	0.32	<0.1	<0.01	11.6	0.3	<0.05	12	<0.5	<0.2
1961105	Soil		30	1.70	253	0.185	<1	3.25	0.028	0.71	<0.1	0.19	18.3	0.5	<0.05	15	0.7	<0.2
1961106	Soil		55	0.85	279	0.018	<1	3.00	0.017	0.08	<0.1	0.08	10.8	0.1	<0.05	8	<0.5	<0.2
1961107	Soil		41	0.47	160	0.052	<1	1.39	0.011	0.18	0.1	0.15	8.3	0.2	<0.05	5	<0.5	<0.2
1961108	Soil		33	0.50	137	0.058	<1	1.61	0.012	0.08	<0.1	0.08	4.4	0.1	<0.05	5	<0.5	<0.2

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Project: TAUT
Report Date: August 30, 2019

CERTIFICATE OF ANALYSIS WHI19000382.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	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	2	0.01	0.001	1
1961109	Soil	0.6	20.6	7.2	53	<0.1	24.1	11.2	450	2.54	6.1	1.3	4.6	17	0.2	0.3	0.1	66	0.21	0.024	10
1961110	Soil	1.3	23.9	8.4	56	<0.1	25.8	12.5	418	2.63	6.9	2.7	5.1	15	0.3	0.4	0.1	64	0.18	0.025	11
1961111	Soil	10.8	21.2	11.5	61	<0.1	22.8	10.3	333	2.73	7.6	2.0	3.7	16	0.4	0.5	0.2	65	0.18	0.029	10
1961112	Soil	3.2	20.5	7.3	47	<0.1	19.6	9.5	413	2.43	7.5	0.8	4.8	16	0.2	0.6	0.1	56	0.15	0.018	14
1961113	Soil	1.9	20.8	7.8	49	<0.1	22.9	10.5	434	2.45	6.2	1.5	4.8	16	0.1	0.4	0.1	60	0.18	0.026	11
1961114	Soil	2.2	20.0	9.4	52	<0.1	22.0	11.6	481	2.53	7.2	1.8	4.2	16	0.3	0.6	0.1	60	0.19	0.039	11
1961115	Soil	9.3	13.7	13.0	42	<0.1	12.4	5.7	225	1.90	7.5	2.1	3.7	21	0.1	0.8	0.1	47	0.28	0.037	14
1961116	Soil	2.3	20.6	9.8	53	0.1	23.5	13.6	450	2.78	7.9	2.3	5.0	17	0.2	0.5	0.2	68	0.21	0.043	11
1961117	Soil	3.6	15.7	8.7	51	0.1	17.7	8.8	332	2.76	7.0	<0.5	3.9	19	0.2	0.5	0.2	71	0.23	0.044	10
1961118	Soil	0.6	21.3	10.6	84	<0.1	16.6	9.6	520	3.02	5.4	1.7	2.4	17	0.2	0.3	<0.1	60	0.19	0.053	12
1961119	Soil	0.9	47.9	66.8	166	1.8	19.1	13.9	1400	3.78	14.9	16.9	2.1	25	0.7	0.9	0.3	64	0.19	0.071	15
1961120	Soil	0.3	37.2	22.4	103	0.3	8.6	13.6	1615	3.23	4.3	7.8	3.6	39	0.3	0.2	0.8	78	0.98	0.063	18
1961121	Soil	1.0	23.8	29.9	101	0.2	19.8	10.5	708	3.18	7.2	4.6	4.7	20	0.5	0.4	<0.1	65	0.25	0.025	14
1961122	Soil	1.0	21.1	19.3	97	0.1	16.5	12.8	1047	3.55	5.4	6.9	3.3	26	0.3	0.3	<0.1	68	0.28	0.059	13
1961123	Soil	2.1	35.2	24.4	97	<0.1	15.3	18.0	1053	3.56	7.2	12.1	5.7	22	0.3	0.4	<0.1	63	0.30	0.037	17
1961124	Soil	1.4	34.9	20.3	91	0.8	31.4	21.4	670	3.49	8.8	4.7	6.0	19	0.7	0.4	0.2	76	0.31	0.077	15
1961125	Soil	1.1	22.4	16.5	108	<0.1	32.5	22.5	1104	5.00	12.0	8.2	4.0	21	0.3	0.5	0.2	109	0.48	0.145	11
1961126	Soil	0.9	18.9	51.2	186	0.2	20.7	12.8	669	3.31	15.7	8.8	4.1	14	1.3	0.7	0.2	68	0.19	0.054	14
1961127	Soil	1.4	38.9	15.2	93	<0.1	16.7	29.9	1697	4.67	7.8	9.4	6.9	17	0.3	0.4	0.8	103	0.23	0.083	15
1961128	Soil	0.6	17.2	5.6	72	<0.1	15.9	13.3	621	3.68	4.4	1.0	5.3	19	0.2	0.3	0.1	79	0.41	0.143	18
1961129	Soil	1.1	11.5	6.4	124	<0.1	13.0	16.5	1069	5.06	3.5	1.3	5.2	30	<0.1	0.3	0.2	113	0.70	0.189	19
1961130	Soil	0.6	13.1	5.9	79	<0.1	12.9	13.9	627	3.64	3.8	4.6	3.8	32	<0.1	0.3	0.1	78	0.63	0.124	13
1961131	Soil	0.7	21.4	5.3	113	<0.1	12.6	15.7	900	3.60	3.9	<0.5	4.1	23	0.1	0.2	<0.1	88	0.47	0.132	13
1961132	Soil	6.9	13.2	32.6	45	<0.1	14.7	9.5	345	2.07	5.7	1.5	3.5	15	0.3	0.9	<0.1	46	0.16	0.021	8
1961133	Soil	2.2	21.9	7.9	55	<0.1	21.8	11.3	404	2.78	7.2	2.3	4.1	22	0.1	0.4	0.1	65	0.30	0.083	15
1961134	Soil	0.4	16.6	7.5	42	<0.1	16.8	8.0	346	2.22	5.9	2.3	4.2	16	0.1	0.4	<0.1	53	0.15	0.018	14
1961135	Soil	9.3	85.7	46.3	116	0.9	8.4	6.9	332	4.68	12.2	109.1	7.5	146	0.2	0.7	0.8	47	0.14	0.095	13
1961136	Soil	13.8	27.9	13.0	85	<0.1	27.7	15.6	423	4.71	15.8	3.6	11.6	17	<0.1	0.9	0.1	65	0.23	0.058	31

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Project: TAUT
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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1961109	Soil	34	0.57	136	0.107	2	2.02	0.014	0.07	0.1	0.03	4.1	0.2	<0.05	5	<0.5	<0.2
1961110	Soil	34	0.60	120	0.109	2	2.16	0.013	0.08	0.1	0.03	4.1	0.1	<0.05	6	<0.5	<0.2
1961111	Soil	33	0.56	116	0.102	<1	2.12	0.013	0.07	0.1	0.05	3.7	<0.1	<0.05	6	<0.5	<0.2
1961112	Soil	32	0.51	140	0.119	<1	1.95	0.013	0.08	0.1	0.17	4.7	0.2	<0.05	5	<0.5	<0.2
1961113	Soil	32	0.51	143	0.110	<1	2.04	0.014	0.10	0.2	0.03	3.6	0.1	<0.05	6	<0.5	<0.2
1961114	Soil	33	0.54	108	0.104	1	2.01	0.015	0.09	0.2	0.20	4.0	0.2	<0.05	5	<0.5	<0.2
1961115	Soil	25	0.40	221	0.082	<1	1.19	0.013	0.06	0.1	0.66	4.3	0.2	<0.05	4	<0.5	<0.2
1961116	Soil	38	0.57	138	0.103	1	2.50	0.014	0.09	0.2	0.08	4.5	0.1	<0.05	6	<0.5	<0.2
1961117	Soil	35	0.53	131	0.110	1	2.34	0.014	0.07	0.2	0.08	3.9	0.1	<0.05	6	<0.5	<0.2
1961118	Soil	25	0.82	197	0.044	<1	2.65	0.018	0.10	<0.1	0.04	5.0	<0.1	<0.05	7	<0.5	<0.2
1961119	Soil	29	0.81	280	0.023	<1	3.38	0.016	0.11	<0.1	0.08	6.0	0.2	<0.05	8	<0.5	0.3
1961120	Soil	19	1.30	217	0.002	<1	3.43	0.015	0.03	<0.1	0.02	9.6	<0.1	<0.05	10	<0.5	<0.2
1961121	Soil	33	0.66	319	0.067	<1	2.40	0.016	0.08	0.1	0.04	4.9	0.1	<0.05	6	<0.5	<0.2
1961122	Soil	27	0.63	330	0.033	<1	2.66	0.016	0.09	<0.1	0.04	5.2	<0.1	<0.05	6	<0.5	<0.2
1961123	Soil	29	1.04	368	0.044	<1	2.28	0.014	0.08	<0.1	0.01	5.7	<0.1	<0.05	7	<0.5	0.2
1961124	Soil	40	0.82	175	0.092	1	2.85	0.017	0.12	0.1	0.05	5.9	0.1	<0.05	7	<0.5	<0.2
1961125	Soil	87	1.27	216	0.124	<1	2.81	0.018	0.24	0.1	0.03	8.6	0.3	<0.05	10	<0.5	<0.2
1961126	Soil	31	0.56	199	0.080	<1	2.01	0.012	0.13	0.1	0.15	5.1	0.2	<0.05	6	<0.5	<0.2
1961127	Soil	36	0.88	173	0.156	<1	2.60	0.014	0.37	0.2	0.04	7.1	0.3	<0.05	10	<0.5	0.3
1961128	Soil	24	0.85	293	0.146	<1	2.20	0.015	0.34	<0.1	0.01	6.6	0.2	<0.05	8	<0.5	<0.2
1961129	Soil	21	1.10	467	0.157	1	2.19	0.017	0.54	<0.1	0.07	11.7	0.3	<0.05	11	<0.5	<0.2
1961130	Soil	24	0.73	325	0.082	1	1.95	0.018	0.22	0.1	0.03	9.5	0.2	<0.05	7	<0.5	<0.2
1961131	Soil	23	0.96	234	0.176	1	1.89	0.014	0.37	<0.1	0.02	5.8	0.2	<0.05	8	<0.5	<0.2
1961132	Soil	25	0.36	165	0.066	2	1.66	0.011	0.05	<0.1	0.30	2.8	0.1	<0.05	4	<0.5	<0.2
1961133	Soil	39	0.67	191	0.103	1	2.29	0.017	0.10	0.2	0.05	6.1	0.1	<0.05	6	<0.5	<0.2
1961134	Soil	29	0.45	159	0.098	1	1.59	0.012	0.08	0.1	0.06	4.9	<0.1	<0.05	4	<0.5	<0.2
1961135	Soil	38	0.40	184	0.031	<1	1.34	0.053	0.19	<0.1	0.05	4.9	0.1	0.35	5	1.1	1.1
1961136	Soil	50	0.67	213	0.097	<1	1.65	0.012	0.38	<0.1	0.06	6.6	0.2	<0.05	6	<0.5	<0.2

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QUALITY CONTROL REPORT WHI19000382.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	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	2	0.01	0.001	1
Pulp Duplicates																					
1961025	Soil	0.8	23.7	18.5	89	0.5	15.3	8.6	594	2.65	9.1	23.2	2.1	38	0.3	0.4	<0.1	59	0.62	0.080	25
REP 1961025	QC	0.8	23.3	18.7	88	0.5	15.0	8.8	577	2.73	8.8	7.5	2.1	39	0.3	0.5	<0.1	59	0.61	0.084	25
1961109	Soil	0.6	20.6	7.2	53	<0.1	24.1	11.2	450	2.54	6.1	1.3	4.6	17	0.2	0.3	0.1	66	0.21	0.024	10
REP 1961109	QC	0.8	21.6	7.3	55	<0.1	24.6	11.3	492	2.61	6.7	4.7	4.3	17	0.2	0.3	0.1	63	0.21	0.022	11
Reference Materials																					
STD BVGEO01	Standard	11.1	4442.0	189.4	1662	2.6	171.9	24.2	721	3.76	115.1	217.6	16.1	59	6.2	3.4	24.3	77	1.32	0.076	27
STD BVGEO01	Standard	10.9	4328.5	190.1	1666	2.6	165.1	25.4	698	3.64	120.1	216.7	17.0	56	6.4	4.0	24.9	77	1.31	0.078	27
STD DS11	Standard	15.6	147.3	137.2	321	1.6	77.0	13.3	1053	3.17	42.0	62.9	9.5	70	2.2	8.9	11.6	51	1.02	0.070	20
STD DS11	Standard	17.0	167.6	142.4	351	1.7	85.0	14.4	1103	3.37	43.3	77.2	9.8	69	2.3	8.8	11.1	58	0.98	0.065	20
STD OREAS262	Standard	0.7	119.6	58.2	154	0.4	64.1	27.4	521	3.31	36.2	65.6	10.3	35	0.6	5.3	1.0	22	3.00	0.042	18
STD OREAS262	Standard	0.7	115.4	58.3	149	0.4	64.9	28.0	534	3.40	35.9	68.2	10.9	35	0.6	5.7	1.0	23	3.07	0.041	20
STD OREAS262	Standard	0.8	134.8	58.7	155	0.4	68.7	28.5	565	3.29	35.4	68.8	10.1	35	0.6	5.4	1.0	26	3.25	0.042	18
STD OREAS262	Standard	0.7	111.7	58.5	143	0.5	62.5	27.4	531	3.22	35.8	66.4	11.1	35	0.6	5.8	1.0	21	2.94	0.042	17
STD DS11 Expected		14.6	149	138	345	1.71	77.7	14.2	1055	3.1	42.8	79	7.65	67.3	2.37	8.74	12.2	50	1.063	0.0701	18.6
STD BVGEO01 Expected		11.2	4415	187	1741	2.53	163	25	733	3.7	121	219	14.4	55	6.5	3.39	25.6	73	1.3219	0.0727	25.9
STD OREAS262 Expected		0.68	118	56	154	0.45	62	26.9	530	3.284	35.8	65	9.33	36	0.61	5.06	1.03	22.5	2.98	0.04	15.9
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	<2	<0.01	<0.001	<1
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	<2	<0.01	<0.001	<1
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	<2	<0.01	<0.001	<1
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	<2	<0.01	<0.001	<1

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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																	
1961025	Soil	28	0.71	518	0.045	1	2.09	0.022	0.09	<0.1	0.04	7.3	0.1	<0.05	6	<0.5	<0.2
REP 1961025	QC	28	0.71	498	0.046	<1	2.07	0.022	0.10	0.1	0.05	7.7	0.1	<0.05	6	<0.5	<0.2
1961109	Soil	34	0.57	136	0.107	2	2.02	0.014	0.07	0.1	0.03	4.1	0.2	<0.05	5	<0.5	<0.2
REP 1961109	QC	34	0.61	136	0.107	1	2.00	0.015	0.08	0.2	0.02	4.1	0.1	<0.05	5	<0.5	<0.2
Reference Materials																	
STD BVGEO01	Standard	195	1.32	270	0.233	4	2.41	0.196	0.87	4.7	0.10	6.0	0.7	0.71	7	4.5	1.0
STD BVGEO01	Standard	187	1.31	293	0.231	4	2.32	0.188	0.87	5.3	0.09	6.5	0.6	0.65	8	5.0	1.1
STD DS11	Standard	58	0.81	385	0.094	8	1.16	0.074	0.42	3.0	0.24	3.5	4.8	0.21	5	2.1	4.6
STD DS11	Standard	63	0.85	384	0.097	6	1.26	0.079	0.40	3.0	0.28	3.3	5.0	0.21	5	2.4	4.5
STD OREAS262	Standard	45	1.19	255	0.002	4	1.40	0.066	0.31	0.2	0.16	3.2	0.5	0.25	4	<0.5	0.2
STD OREAS262	Standard	46	1.19	254	0.003	3	1.52	0.069	0.33	0.2	0.16	3.7	0.5	0.25	4	<0.5	<0.2
STD OREAS262	Standard	47	1.24	265	0.003	4	1.41	0.071	0.31	0.2	0.16	3.2	0.5	0.26	4	<0.5	0.2
STD OREAS262	Standard	44	1.12	260	0.002	3	1.24	0.063	0.29	0.2	0.15	3.1	0.5	0.22	4	<0.5	0.2
STD DS11 Expected		61.5	0.85	385	0.0976		1.1795	0.0762	0.4	2.9	0.26	3.4	4.9	0.2835	5.1	2.2	4.56
STD BVGEO01 Expected		187	1.2963	260	0.233	3.8	2.347	0.1924	0.89	5.3	0.1	5.97	0.62	0.6655	7.37	4.84	1.02
STD OREAS262 Expected		41.7	1.17	248	0.0027	4	1.3	0.071	0.312	0.2	0.17	3.24	0.47	0.253	3.73	0.4	0.23
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

BUREAU VERITAS MINERAL LABORATORIES Canada

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Client: **Bill Mann**
19 Hayes Cres.
Whitehorse Yukon Y1A 0E1 Canada

Submitted By: Bill Mann
Receiving Lab: Canada-Whitehorse
Received: August 15, 2019
Report Date: August 30, 2019
Page: 1 of 2

CERTIFICATE OF ANALYSIS WHI19000386.1

CLIENT JOB INFORMATION

Project: TAUT
Shipment ID:
P.O. Number
Number of Samples: 9

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
STOR-RJT Store After 60 days Invoice for Storage

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	9	Crush, split and pulverize 250 g rock to 200 mesh			WHI
AQ201	9	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
SHP01	9	Per sample shipping charges for branch shipments			VAN

ADDITIONAL COMMENTS

Invoice To: Bill Mann
19 Hayes Cres.
Whitehorse Yukon Y1A 0E1
Canada

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Production Manager

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: TAUT
Report Date: August 30, 2019

CERTIFICATE OF ANALYSIS WHI19000386.1

	Method	WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	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	0.001
65702	Rock	0.42	821.6	0.7	1.4	<1	<0.1	0.4	<0.1	24	0.31	0.6	<0.5	<0.1	2	1.0	<0.1	<0.1	<1	<0.01	<0.001
65703	Rock	0.68	74.5	1.4	2.1	9	<0.1	0.7	0.1	45	0.52	<0.5	<0.5	<0.1	1	<0.1	<0.1	<0.1	<1	<0.01	0.002
65704	Rock	0.50	51.3	3.1	2.9	5	0.1	0.9	0.3	88	0.94	1.7	2.8	0.1	4	<0.1	1.0	<0.1	<1	<0.01	0.002
65705	Rock	1.13	525.8	1.7	71.4	35	0.1	0.7	0.2	44	0.68	0.9	<0.5	0.2	9	1.3	1.7	0.8	<1	<0.01	0.003
65706	Rock	0.60	1311.9	1.3	15.4	4	<0.1	0.8	0.2	48	0.55	<0.5	<0.5	0.3	7	1.6	1.1	0.6	1	<0.01	0.003
65751	Rock	1.68	811.7	0.8	2.4	<1	<0.1	0.7	0.2	41	0.39	<0.5	<0.5	<0.1	<1	0.7	0.1	0.1	<1	<0.01	<0.001
65752	Rock	1.40	112.5	0.9	69.1	5	0.9	0.8	0.2	44	0.90	0.8	<0.5	0.6	8	0.2	0.3	4.5	1	<0.01	0.003
65753	Rock	1.30	28.3	20.7	2236.1	15	1.5	0.8	0.3	76	0.46	1.8	<0.5	1.7	19	0.1	7.5	0.4	<1	0.02	0.002
65754	Rock	1.20	453.1	1.3	461.9	4	3.4	1.0	0.4	54	0.78	1.0	2.4	0.3	9	0.5	0.4	8.5	<1	<0.01	0.002

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19 Hayes Cres.
Whitehorse Yukon Y1A 0E1 Canada

Project: TAUT
Report Date: August 30, 2019

CERTIFICATE OF ANALYSIS WHI19000386.1

		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
65702	Rock		<1	4	<0.01	65	<0.001	<1	<0.01	0.002	<0.01	<0.1	0.02	<0.1	<0.1	0.07	<1	<0.5	<0.2
65703	Rock		<1	4	<0.01	34	<0.001	<1	0.02	0.003	0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
65704	Rock		<1	6	<0.01	276	<0.001	<1	0.03	0.006	0.02	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
65705	Rock		1	8	<0.01	425	<0.001	<1	0.05	0.005	0.07	<0.1	1.18	<0.1	<0.1	0.20	<1	<0.5	<0.2
65706	Rock		1	7	<0.01	130	<0.001	1	0.04	0.003	0.03	<0.1	0.15	<0.1	<0.1	0.08	<1	<0.5	<0.2
65751	Rock		<1	8	<0.01	18	<0.001	<1	<0.01	0.001	<0.01	<0.1	0.04	0.1	<0.1	0.10	<1	<0.5	<0.2
65752	Rock		<1	8	<0.01	119	<0.001	<1	0.08	0.029	0.09	<0.1	0.07	0.1	<0.1	0.21	<1	<0.5	<0.2
65753	Rock		7	6	<0.01	1961	<0.001	<1	0.09	0.002	0.07	<0.1	1.04	0.1	<0.1	0.06	<1	<0.5	<0.2
65754	Rock		<1	7	<0.01	467	<0.001	<1	0.04	0.008	0.04	<0.1	0.66	<0.1	<0.1	0.18	<1	0.8	0.6

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Whitehorse Yukon Y1A 0E1 Canada

Project: TAUT

Report Date: August 30, 2019

QUALITY CONTROL REPORT WHI19000386.1

	Method	WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	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	0.001
Pulp Duplicates																					
65754	Rock	1.20	453.1	1.3	461.9	4	3.4	1.0	0.4	54	0.78	1.0	2.4	0.3	9	0.5	0.4	8.5	<1	<0.01	0.002
REP 65754	QC		452.8	1.4	454.2	5	3.3	0.9	0.4	50	0.79	1.0	3.1	0.2	8	0.5	0.4	8.2	<1	<0.01	0.002
Core Reject Duplicates																					
65703	Rock	0.68	74.5	1.4	2.1	9	<0.1	0.7	0.1	45	0.52	<0.5	<0.5	<0.1	1	<0.1	<0.1	<0.1	<1	<0.01	0.002
DUP 65703	QC		75.5	1.3	2.0	8	<0.1	0.8	0.2	63	0.66	<0.5	<0.5	<0.1	2	<0.1	<0.1	<0.1	<1	<0.01	0.002
Reference Materials																					
STD BVGEO01	Standard		11.2	4371.5	188.6	1690	2.5	157.0	23.4	702	3.56	115.8	218.9	16.0	54	6.5	4.1	25.3	73	1.29	0.078
STD OREAS262	Standard		0.6	121.1	58.9	145	0.5	66.1	27.1	521	3.18	34.7	64.7	10.4	35	0.5	6.0	1.0	22	2.96	0.038
STD BVGEO01 Expected			11.2	4415	187	1741	2.53	163	25	733	3.7	121	219	14.4	55	6.5	3.39	25.6	73	1.3219	0.0727
STD OREAS262 Expected			0.68	118	56	154	0.45	62	26.9	530	3.284	35.8	65	9.33	36	0.61	5.06	1.03	22.5	2.98	0.04
BLK	Blank		<0.1	0.4	<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	<0.001
Prep Wash																					
ROCK-WHI	Prep Blank		0.9	3.1	1.3	27	<0.1	0.7	3.4	465	1.81	0.6	<0.5	2.3	22	<0.1	<0.1	<0.1	24	0.60	0.043

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Project: TAUT
Report Date: August 30, 2019

QUALITY CONTROL REPORT WHI19000386.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
65754	Rock	<1	7	<0.01	467	<0.001	<1	0.04	0.008	0.04	<0.1	0.66	<0.1	<0.1	0.18	<1	0.8	0.6
REP 65754	QC	<1	7	<0.01	459	<0.001	<1	0.04	0.008	0.04	<0.1	0.63	0.1	<0.1	0.18	<1	0.6	0.6
Core Reject Duplicates																		
65703	Rock	<1	4	<0.01	34	<0.001	<1	0.02	0.003	0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
DUP 65703	QC	<1	5	<0.01	33	<0.001	<1	0.02	0.003	0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
Reference Materials																		
STD BVGEO01	Standard	27	180	1.24	284	0.239	5	2.24	0.188	0.91	5.4	0.11	5.5	0.6	0.66	7	3.9	1.0
STD OREAS262	Standard	17	43	1.14	233	0.003	4	1.33	0.066	0.32	0.2	0.16	3.3	0.4	0.25	4	<0.5	0.2
STD BVGEO01 Expected		25.9	187	1.2963	260	0.233	3.8	2.347	0.1924	0.89	5.3	0.1	5.97	0.62	0.6655	7.37	4.84	1.02
STD OREAS262 Expected		15.9	41.7	1.17	248	0.0027	4	1.3	0.071	0.312	0.2	0.17	3.24	0.47	0.253	3.73	0.4	0.23
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
Prep Wash																		
ROCK-WHI	Prep Blank	7	3	0.44	58	0.087	2	0.91	0.117	0.12	<0.1	<0.01	2.7	<0.1	<0.05	3	<0.5	<0.2

	Taut 2019 Soil Samples												Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co
	All coordinates; Grid: UTM, Datum: NAD 83 Zone 8V												Unit	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Sample#	Date	Time	East	North	Elev	m	Sampler	Type	Depth-cm	Color	Quality	Description	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1
1961001	8/6/2019	13:25:45	406329	6849106	1321	m	WDM	Soil	100- 110	light brown	good	Test Pit 1. Anomaly CB. Silty sand, stopped at 110cm by permafrost.	Soil	1.2	29.9	10.6	87	0.1	14.3	11.4
1961002	8/6/2019	13:25:45	406329	6849106	1321	m	WDM	Soil	60- 75	dark brown	good	Test Pit 1. Very sandy, alluvial.	Soil	1	20.6	11.2	71	<0.1	11.1	11.8
1961003	8/6/2019	13:25:45	406329	6849106	1321	m	WDM	Soil	30- 60	org. & gry brn.	good	Test Pit 1. Colour banded orange-brown sandy & grey-brown silty.	Soil	0.9	16	11.3	92	<0.1	14	8.9
1961004	8/6/2019	14:37:30	406437	6849166	1324	m	WDM	Soil	60- 70	light brown	good	Test Pit 2. Saturated silt-sand, just above permafrost. Cobble foliated rock. 10cm organics, no ash.	Soil	1.5	67.5	13.1	194	0.8	19.2	20.3
1961005	8/6/2019	15:50:27	406015	6849519	1336	m	WDM	Soil	60	brown	good	Test Pit 3, Anomaly CC, Line 1200. Moist silt-sand. Cobbles volcanics, epidote-pyrite alteration, magnetic.	Soil	1.7	49.3	18.2	133	<0.1	17.4	16.6
1961006	8/7/2019	10:31:21	405402	6848803	1505	m	WDM	Soil	15	orange brown	good	Silty and rocky. Start of traverse across saddle.	Soil	1.1	24.6	21.8	79	0.2	21.6	8.7
1961007	8/7/2019	10:40:08	405425	6848758	1498	m	WDM	Soil	15	orange brown	mod	Silty with pebbles and organics.	Soil	1.6	26.6	13.5	66	0.2	14.9	7.7
1961008	8/7/2019	10:54:58	405455	6848723	1488	m	WDM	Soil	15	yellow brown	good	Sandy, from frost boil.	Soil	1.4	39.7	33.5	83	0.4	11.9	8.7
1961009	8/7/2019	11:04:23	405482	6848676	1486	m	WDM	Soil	15	light brown	good	Silty and rocky.	Soil	1.5	17.3	14.4	80	0.2	16.6	8.4
1961010	8/7/2019	11:10:48	405504	6848632	1485	m	WDM	Soil	20	light brown	good	Silt-sand, rocky.	Soil	0.8	24.6	15.8	71	0.4	23.3	10.7
1961011	8/7/2019	11:19:58	405528	6848589	1483	m	WDM	Soil	40	orange brown	good	Silt-sand, some rusty rock.	Soil	2.1	19.2	43.4	53	0.5	9.2	4.7
1961012	8/7/2019	11:30:11	405550	6848543	1480	m	WDM	Soil	20	orange brown	good	Silty.	Soil	1.4	22.1	37.6	87	1.1	14.9	14.9
1961013	8/7/2019	11:37:55	405575	6848497	1478	m	WDM	Soil	20	orange brown	good	Silt-sand.	Soil	0.9	27.2	36.4	78	0.3	19.5	11.1
1961014	8/7/2019	11:46:09	405604	6848456	1474	m	WDM	Soil	25	orange brown	good	Silt-sand. Near contact between volcanics and Q porphyry.	Soil	0.9	36.6	60.2	101	0.6	20.6	9.9
1961015	8/7/2019	11:55:17	405630	6848415	1473	m	WDM	Soil	25	brown	good	Silt-sand grus, all Q porphyry a.t.p.	Soil	0.8	24.9	62.1	106	0.7	16.7	8.4
1961016	8/7/2019	12:14:41	405659	6848373	1472	m	WDM	Soil	10	brown	good	Sandy grus.	Soil	7.2	27.1	44.3	125	0.7	20.4	9.8
1961017	8/7/2019	12:22:58	405691	6848329	1470	m	WDM	Soil	15	brown	good	Sandy grus.	Soil	1.3	15.1	18.4	63	0.4	9.2	3.9
1961018	8/7/2019	12:33:19	405723	6848292	1471	m	WDM	Soil	20	brown	good	Sandy grus, near volcanic contact.	Soil	3.3	40.3	71.1	170	0.5	16.4	14.3
1961019	8/7/2019	12:43:08	405763	6848257	1471	m	WDM	Soil	15	orange brown	good	Silty.	Soil	1.2	33	39	147	0.1	25.8	12.1
1961020	8/7/2019	12:52:30	405807	6848238	1475	m	WDM	Soil	20	brown	good	Near lineament, blocky volcanic boulders. Silty clay.	Soil	1.6	45.4	143.2	237	0.7	18.3	14.9
1961021	8/7/2019	1:07:31	405782	6848195	1476	m	WDM	Soil	20	brown	good	Silty.	Soil	1.1	19.2	124	235	1.2	13.2	10.9
1961022	8/7/2019	1:21:33	405754	6848156	1474	m	WDM	Soil	30	brn, org flecks	good	Silt-sand. 5cm organics, no ash at all today.	Soil	2.1	14.6	31.7	142	0.3	10.2	6.7
1961023	8/7/2019	1:33:11	405727	6848117	1471	m	WDM	Soil	35	brown	good	Silt-sand.	Soil	1.3	20.5	29.5	107	0.4	13	7.9
1961024	8/7/2019	1:48:21	405695	6848073	1462	m	WDM	Soil	65	org. brn. & brn.	good	Gritty C horizon. 15cm organics. Lineament is about 20m wide mossy zone w/ 5- 50cm organic soil. Boulders abundant at surface near contact between volcanics and Qtz porphyry. No obvious loess seen in this area.	Soil	1.3	17.7	31.7	111	0.6	12.8	10.1
1961025	8/7/2019	2:07:20	405651	6848043	1454	m	WDM	Soil	50	brown	good	Silty-sand, C horizon. At gopher hole.	Soil	0.8	23.7	18.5	89	0.5	15.3	8.6
1961026	8/7/2019	2:42:38	405466	6848254	1443	m	WDM	Soil	10	brown	good	Sandy grus.	Soil	0.9	27.6	34	179	0.8	20.7	11.9
1961027	8/7/2019	3:22:43	405324	6848477	1448	m	WDM	Soil	30	brown	good	Sandy grus. This area almost entirely Q porphyry w/ minor volcanics and rare aplite dykes.	Soil	0.8	22.2	26.5	85	0.7	14.7	7.7

	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
	PPM	%	PPM	PPB	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	
Sample#	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	Certificate
1961001	446	3.03	5.4	97.7	4.7	39	0.3	0.3	0.2	62	0.54	0.122	15	27	0.7	159	0.096	<1	1.57	0.032	0.14	<0.1	<0.01	4.7	0.1	<0.05	5	<0.5	<0.2	WHI19000382
1961002	1997	2.49	4.1	5	4.5	29	0.2	0.3	0.1	54	0.41	0.101	12	21	0.6	165	0.085	<1	1.32	0.025	0.11	<0.1	0.02	3.6	<0.1	<0.05	4	<0.5	<0.2	WHI19000382
1961003	490	2.47	3	7.6	4.6	30	0.2	0.2	0.1	55	0.48	0.086	13	27	0.75	170	0.105	<1	1.94	0.022	0.11	0.1	0.02	4.5	0.1	<0.05	6	<0.5	<0.2	WHI19000382
1961004	869	4.3	6.2	54.4	7.4	30	0.5	0.3	0.7	82	0.38	0.061	15	48	1.23	184	0.129	<1	3.52	0.017	0.3	0.1	0.06	9.6	0.3	<0.05	10	<0.5	0.5	WHI19000382
1961005	837	4.52	12.7	31.8	6.3	41	0.6	0.4	0.4	68	0.28	0.06	16	31	0.9	136	0.133	<1	2.84	0.025	0.29	0.1	0.01	6.4	0.2	<0.05	8	<0.5	0.3	WHI19000382
1961006	378	3.15	8.6	13	1.9	26	0.5	0.4	0.2	68	0.22	0.049	11	32	0.61	111	0.074	2	2.28	0.013	0.08	0.1	0.05	3.6	0.1	<0.05	7	<0.5	<0.2	WHI19000382
1961007	430	2.88	9.2	5.8	0.9	53	0.1	0.4	0.3	57	0.26	0.081	9	28	0.51	120	0.037	2	2.1	0.014	0.07	0.1	0.08	2.3	0.1	<0.05	7	<0.5	0.3	WHI19000382
1961008	486	3.2	13.1	715.3	2.6	58	0.2	0.6	0.6	46	0.14	0.046	17	24	0.61	138	0.03	1	1.63	0.036	0.1	<0.1	0.02	3.4	0.1	0.1	5	0.5	0.8	WHI19000382
1961009	739	2.79	6.6	3.6	0.9	33	0.2	0.5	0.2	77	0.27	0.061	8	29	0.46	200	0.065	2	1.6	0.014	0.06	0.1	0.06	2.8	0.2	<0.05	8	<0.5	<0.2	WHI19000382
1961010	439	2.97	9	18	4.4	20	0.3	0.4	0.2	64	0.16	0.032	13	31	0.57	133	0.093	2	2.49	0.015	0.07	0.1	0.03	4.3	0.1	<0.05	7	<0.5	0.2	WHI19000382
1961011	220	2.93	9.9	17.6	1	26	0.3	0.5	0.8	67	0.14	0.08	15	23	0.31	113	0.031	<1	1.7	0.013	0.05	<0.1	0.05	2.8	0.1	<0.05	8	<0.5	1	WHI19000382
1961012	779	3.53	9.5	61.7	2.7	23	0.3	0.5	0.8	52	0.19	0.037	12	26	0.55	116	0.044	1	1.98	0.023	0.07	<0.1	0.06	3.5	0.1	<0.05	5	<0.5	1.4	WHI19000382
1961013	517	3.05	10.8	7.3	2.5	21	0.3	0.7	0.3	60	0.2	0.051	12	30	0.54	146	0.061	1	2.51	0.015	0.09	<0.1	0.05	3.5	0.1	<0.05	6	<0.5	0.3	WHI19000382
1961014	597	3.11	11	39.3	3.8	17	0.5	0.8	0.4	63	0.18	0.033	13	32	0.56	150	0.073	2	2.26	0.013	0.12	0.1	0.04	4.7	0.2	<0.05	6	<0.5	0.4	WHI19000382
1961015	681	2.93	10.3	31.5	4.1	14	0.5	0.7	0.6	51	0.13	0.032	11	25	0.34	116	0.07	1	1.86	0.012	0.06	0.1	0.09	3.2	<0.1	<0.05	5	<0.5	0.6	WHI19000382
1961016	809	3.37	19.1	14.5	3.4	15	0.3	3.1	0.3	65	0.14	0.048	11	31	0.47	112	0.086	1	2.2	0.013	0.08	0.1	0.05	3.9	0.1	<0.05	8	<0.5	0.2	WHI19000382
1961017	296	2.02	5.9	3.6	2	15	0.2	0.6	0.2	63	0.13	0.026	10	20	0.23	72	0.084	<1	1.37	0.009	0.04	<0.1	0.05	2.7	0.1	<0.05	7	<0.5	<0.2	WHI19000382
1961018	731	3.97	9	5.1	3	17	0.6	0.6	0.2	60	0.19	0.068	13	28	0.55	144	0.051	1	2.67	0.015	0.08	<0.1	0.05	4.8	0.1	<0.05	7	<0.5	<0.2	WHI19000382
1961019	812	4.17	11.5	5.1	7.9	17	0.3	0.7	0.1	65	0.23	0.036	19	41	0.58	113	0.111	1	1.76	0.012	0.17	<0.1	0.03	6.2	0.2	<0.05	7	<0.5	<0.2	WHI19000382
1961020	883	3.45	19.2	50.7	3.5	35	1.1	0.7	0.5	68	0.51	0.055	18	32	0.75	179	0.083	2	1.84	0.029	0.09	<0.1	0.07	7.2	0.1	<0.05	6	<0.5	0.5	WHI19000382
1961021	1897	2.96	23.2	13.5	2.1	20	0.6	0.8	<0.1	63	0.22	0.041	10	24	0.68	185	0.034	1	2.33	0.015	0.07	<0.1	0.08	4	0.1	<0.05	6	<0.5	0.2	WHI19000382
1961022	443	2.64	12.4	11.1	2.5	25	0.2	0.6	<0.1	54	0.4	0.044	12	22	0.63	220	0.048	<1	1.52	0.021	0.07	<0.1	0.02	4.3	<0.1	<0.05	5	<0.5	<0.2	WHI19000382
1961023	746	2.65	12.9	66.3	2	28	0.4	0.6	<0.1	53	0.46	0.062	16	24	0.61	353	0.038	1	1.75	0.018	0.08	<0.1	0.05	5.6	0.1	<0.05	5	<0.5	<0.2	WHI19000382
1961024	406	3.09	11.5	13.6	2	30	0.3	0.6	<0.1	58	0.55	0.069	14	25	0.77	390	0.027	1	2.05	0.016	0.08	<0.1	0.04	6	0.1	<0.05	6	<0.5	<0.2	WHI19000382
1961025	594	2.65	9.1	23.2	2.1	38	0.3	0.4	<0.1	59	0.62	0.08	25	28	0.71	518	0.045	1	2.09	0.022	0.09	<0.1	0.04	7.3	0.1	<0.05	6	<0.5	<0.2	WHI19000382
1961026	1042	3.03	10.2	87.6	3.9	19	0.8	0.7	0.2	61	0.24	0.066	13	31	0.5	109	0.097	2	2.23	0.014	0.13	0.1	0.05	4.3	0.1	<0.05	6	<0.5	<0.2	WHI19000382
1961027	428	2.65	8.5	10.4	3.2	15	0.4	0.4	0.3	60	0.15	0.034	12	28	0.43	116	0.084	1	1.83	0.013	0.07	0.1	0.04	3.8	<0.1	<0.05	6	<0.5	0.3	WHI19000382

	Taut 2019 Soil Samples												Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co
	All coordinates; Grid: UTM, Datum: NAD 83 Zone 8V												Unit	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Sample#	Date	Time	East	North	Elev	m	Sampler	Type	Depth-cm	Color	Quality	Description	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1
1961028	8/7/2019	3:59:28	405268	6848570	1450	m	WDM	Soil	10	orange brown	good	Silty. 5m downslope from QV w/ moly.	Soil	27.9	37	75.3	252	1.4	20.1	7.5
1961029	8/8/2019	12:39:47	404059	6849722	1343	m	WDM	Soil	25	brown	good	sandy grus	Soil	0.7	21.8	9.1	55	<0.1	26.1	12.3
1961030	8/8/2019	12:56:33	404133	6849788	1360	m	WDM	Soil	40	orange brown	mod	very silty = loess?	Soil	0.7	17.2	7.7	55	0.2	23.5	11.7
1961031	8/8/2019	1:12:31	404210	6849840	1375	m	WDM	Soil	15	brown	good	Sandy silt, grus. Abundant Q porphyry boulders.	Soil	0.7	18.9	7.5	56	<0.1	18.8	9.5
1961032	8/8/2019	1:28:37	404273	6849927	1383	m	WDM	Soil	35	orange brown	mod	Silt = loess. 10 cm organics, 5 cm ash over loess and boulders. Buckbrush area.	Soil	0.9	16.7	7.8	49	0.1	16.3	8.1
1961033	8/8/2019	1:47:59	404336	6850002	1395	m	WDM	Soil	20	orange brown	mod	Silt = loess. 10 cm organics, 5 cm ash over loess and boulders. Buckbrush area.	Soil	1.4	9.7	9.2	39	0.2	9.8	4.3
1961034	8/8/2019	2:00:03	404411	6850072	1410	m	WDM	Soil	15	brown	good	Silty-sand, grus. 5cm organics, no ash.	Soil	0.9	14.6	9.1	61	<0.1	15	7.7
1961035	8/8/2019	2:21:44	404492	6850139	1417	m	WDM	Soil	15	brown	good	Silty-sand, grus.	Soil	1.1	12.4	9.6	58	<0.1	13.7	6.7
1961036	8/8/2019	2:32:56	404533	6850165	1421	m	WDM	Soil	15	brown	good	Pebble- sand- silt. Grus weathering.	Soil	1.2	16.4	9.9	49	<0.1	17.3	7.7
1961037	8/8/2019	2:54:01	404563	6850203	1427	m	WDM	Soil	20	dark brown	mod	Silty- rocky, organic-rich.	Soil	1.4	13.6	10	55	0.1	11.7	5.3
1961038	8/8/2019	3:05:03	404596	6850244	1433	m	WDM	Soil	15	brown	good	Silty-sand, grus. Rocky	Soil	1.6	10.9	9.3	50	<0.1	10	7.5
1961039	8/8/2019	3:18:36	404637	6850272	1434	m	WDM	Soil	20	brown	good	Sandy. On Ribbon vein trend.	Soil	31	14.2	13.4	51	<0.1	12.1	6.1
1961040	8/8/2019	4:02:11	404633	6850221	1431	m	WDM	Soil	10	brown	good	Pebble- sand- silt. Grus weathering. On Ribbon vein trend.	Soil	5.8	10.9	11.6	43	<0.1	13.4	6.7
1961041	8/8/2019	4:19:39	404649	6850173	1424	m	WDM	Soil	25	orange brown	good	Silt - pebble. Between QV boulders. On Ribbon vein trend.	Soil	5.1	10.2	14.5	48	0.2	10	5.4
1961042	8/9/2019	11:26:07	405827	6848288	1472	m	WDM	Soil	30	brown	good	Silty - some loess? On lineament.	Soil	3.9	58.2	25.8	140	0.2	27.9	14.1
1961043	8/9/2019	11:38:21	405849	6848329	1464	m	WDM	Soil	35	brown	good	Silty- sand, rocky, moist. On lineament.	Soil	8.8	79.9	68.6	255	0.8	37.9	18.7
1961044	8/9/2019	11:51:57	405879	6848381	1453	m	WDM	Soil	25	brown	good	Silty- sand, rocky, moist. Solifluction lobes at this point. On lineament.	Soil	13.2	54.1	107.7	336	0.7	15.8	10.4
1961045	8/9/2019	12:43:41	406312	6848336	1451	m	WDM	Soil	30	brown	good	Rock- sand- silt. From here to 1961051 collected near break in slope below possible lineament.	Soil	1	21.7	34.1	91	0.4	12.4	10.2
1961046	8/9/2019	1:03:39	406349	6848307	1453	m	WDM	Soil	20	brown	good	Rocky, sandy. No mineral soil above rocky layer.	Soil	0.8	25.4	27	104	<0.1	16.4	12.8
1961047	8/9/2019	1:15:24	406366	6848249	1455	m	WDM	Soil	35	brown	good	Silt- sand.	Soil	0.7	24.5	21.7	56	0.1	14.3	9.1
1961048	8/9/2019	1:37:07	406401	6848215	1453	m	WDM	Soil	20	brown	good	Pebble- sand- silt.	Soil	0.7	19.5	16.2	92	<0.1	15.8	8.8
1961049	8/9/2019	1:50:22	406400	6848159	1450	m	WDM	Soil	20	brown	good	Pebble- sand- silt.	Soil	1	23.7	11.6	55	0.2	13.1	8.4
1961050	8/9/2019	2:17:40	406366	6848093	1449	m	WDM	Soil	25	brown	good	Pebble- sand- silt.	Soil	1.2	30.9	17.5	116	0.3	16.5	11.2
1961051	8/9/2019	2:35:25	406379	6848045	1444	m	WDM	Soil	45	gray- brown	good	Silty sand.	Soil	0.6	36.5	9.5	55	0.3	16.6	8.8
1961052	8/9/2019	2:49:06	406421	6848004	1436	m	WDM	Soil	30	brown	good	Sandy silt, rocky.	Soil	0.9	28.4	12.9	68	0.4	17.8	10.3
1961101	7-Aug-19	8:16:16PM	405569	6848675	1402	m	RH	Soil	30	org-brn	mod	clayey, float of pyritized andesite? But predominently float is magnetic fled-hbl porph andesite.	Soil	3.9	59.8	47.8	64	0.9	6.3	3.7
1961102	7-Aug-19	11:21:22AM	405721	6850107	1402	m	RH	Soil	25	org-brn	good	spot soil check in area of altered andesite, abundant pebbles.	Soil	4.7	81.6	131.9	817	1.6	14	13.6
1961103	7-Aug-19	1:52:49PM	405848	6850685	1313	m	RH	Soil	25	brown	mod	very sandy with pebbles, foalt of foliated granodiorite X/c by pink fledspar and grey qtz veins.	Soil	3.2	51.7	12.2	106	<0.1	18.8	19.5

	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
	PPM	%	PPM	PPB	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	
Sample#	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	Certificate
1961028	567	3.9	20.1	22.9	3.5	25	0.8	0.8	0.8	59	0.19	0.059	12	34	0.49	249	0.02	<1	2.9	0.011	0.09	0.1	0.11	4.1	0.2	<0.05	7	<0.5	0.7	WHI19000382
1961029	475	2.75	7.3	5.8	4.2	16	0.2	0.4	0.1	63	0.22	0.043	10	37	0.55	152	0.098	1	2.64	0.013	0.13	0.1	0.03	4.5	0.1	<0.05	6	<0.5	<0.2	WHI19000382
1961030	322	2.81	7.6	<0.5	5.5	19	0.3	0.3	0.1	67	0.24	0.04	13	39	0.62	145	0.129	2	2.78	0.016	0.11	0.2	0.04	5.7	0.1	<0.05	7	<0.5	<0.2	WHI19000382
1961031	348	2.73	6.7	5.5	4.3	18	0.2	0.3	0.1	69	0.23	0.039	12	36	0.6	150	0.113	2	2.15	0.016	0.1	0.2	0.03	4.2	0.1	<0.05	6	<0.5	<0.2	WHI19000382
1961032	251	3.09	7.9	1.2	4.2	23	0.1	0.3	0.1	75	0.24	0.043	11	36	0.5	105	0.125	<1	2.28	0.013	0.07	0.2	0.03	4.2	0.1	<0.05	7	<0.5	<0.2	WHI19000382
1961033	164	2.98	7.2	0.8	2.6	16	0.2	0.4	0.2	86	0.18	0.035	9	25	0.29	86	0.121	1	1.34	0.009	0.07	0.1	0.02	2.6	0.1	<0.05	8	<0.5	<0.2	WHI19000382
1961034	359	2.48	5.6	1.3	1.3	22	0.1	0.4	0.1	60	0.22	0.049	7	24	0.39	185	0.073	<1	1.51	0.014	0.08	<0.1	0.03	2.6	0.1	<0.05	6	<0.5	<0.2	WHI19000382
1961035	286	3.02	7.3	3	3.6	17	0.1	0.3	0.2	66	0.19	0.034	13	31	0.5	155	0.103	<1	1.93	0.011	0.12	0.1	0.02	4.2	0.1	<0.05	8	<0.5	0.3	WHI19000382
1961036	304	2.44	5.7	5	2.8	15	0.2	0.4	0.1	53	0.16	0.027	9	26	0.45	175	0.084	<1	1.79	0.015	0.08	0.1	0.03	3.1	<0.1	<0.05	5	<0.5	<0.2	WHI19000382
1961037	272	2.53	5.6	2.8	2.1	15	0.1	0.4	0.1	67	0.13	0.034	7	22	0.3	162	0.086	<1	1.29	0.011	0.05	<0.1	0.07	2.2	<0.1	<0.05	7	<0.5	<0.2	WHI19000382
1961038	500	2.67	3.5	2.3	2	20	<0.1	0.2	<0.1	58	0.14	0.032	10	17	0.45	114	0.081	<1	1.45	0.021	0.06	<0.1	0.03	2.7	0.1	<0.05	5	<0.5	<0.2	WHI19000382
1961039	368	2.31	7.1	2.5	1.8	17	0.2	0.5	0.2	56	0.15	0.038	7	19	0.33	114	0.068	1	1.25	0.015	0.07	<0.1	0.06	2	<0.1	<0.05	5	<0.5	<0.2	WHI19000382
1961040	252	2.56	6.5	3.2	3.2	17	0.2	0.3	0.2	63	0.18	0.032	10	24	0.39	123	0.1	1	1.72	0.013	0.09	0.1	0.04	2.9	0.1	<0.05	7	<0.5	<0.2	WHI19000382
1961041	350	2.5	4.4	2.6	3.3	23	0.1	0.3	<0.1	43	0.14	0.04	12	17	0.41	204	0.084	<1	1.87	0.016	0.09	<0.1	0.04	2.7	<0.1	<0.05	5	<0.5	<0.2	WHI19000382
1961042	477	3.82	4.8	3.4	7.9	22	0.2	0.4	<0.1	72	0.37	0.07	21	51	0.76	148	0.14	<1	1.86	0.019	0.3	<0.1	0.04	5.8	0.2	<0.05	6	<0.5	<0.2	WHI19000382
1961043	926	3.77	12.4	20	5.5	31	0.9	0.5	0.1	82	0.58	0.066	19	60	1.04	157	0.124	<1	2.38	0.02	0.19	0.1	0.08	7.9	0.2	<0.05	7	<0.5	<0.2	WHI19000382
1961044	646	3.61	14.3	42.9	6.1	28	0.8	0.7	0.2	63	0.53	0.058	18	31	0.69	108	0.063	<1	1.67	0.019	0.12	<0.1	0.08	4.5	0.1	<0.05	5	<0.5	0.3	WHI19000382
1961045	698	2.47	8.9	32.2	2	30	0.3	0.4	0.1	63	0.5	0.055	13	32	0.68	258	0.028	1	1.92	0.014	0.06	<0.1	0.06	4.1	0.1	<0.05	6	<0.5	<0.2	WHI19000382
1961046	967	3.26	7.7	3.8	1.7	23	0.3	0.4	<0.1	76	0.31	0.078	12	29	0.8	207	0.049	2	2.24	0.017	0.11	<0.1	0.04	4	0.1	<0.05	6	<0.5	<0.2	WHI19000382
1961047	491	2.48	6.7	10.1	1.9	25	0.1	0.4	<0.1	60	0.47	0.054	18	26	0.66	322	0.04	<1	1.85	0.016	0.06	<0.1	0.03	4.4	0.1	<0.05	5	<0.5	<0.2	WHI19000382
1961048	502	2.69	4.4	1.7	1.8	27	0.2	0.3	<0.1	60	0.45	0.054	10	28	0.73	201	0.058	2	2.17	0.016	0.07	<0.1	0.03	4.3	<0.1	<0.05	6	<0.5	<0.2	WHI19000382
1961049	500	2.72	4.9	8.9	1	27	0.2	0.3	<0.1	69	0.46	0.096	16	25	0.67	270	0.029	<1	1.93	0.017	0.06	<0.1	0.05	3.9	<0.1	<0.05	5	<0.5	<0.2	WHI19000382
1961050	987	3.01	7.3	74.2	1.4	51	0.5	0.5	0.1	63	0.83	0.112	22	29	0.68	503	0.037	1	2.03	0.017	0.13	<0.1	0.08	7.5	<0.1	<0.05	6	<0.5	<0.2	WHI19000382
1961051	524	2.43	5.8	3	1.6	45	0.2	0.4	<0.1	64	0.97	0.078	28	30	0.67	486	0.05	1	2.03	0.022	0.07	<0.1	0.05	6.4	<0.1	<0.05	5	<0.5	<0.2	WHI19000382
1961052	598	2.71	5.8	2.4	1.8	37	0.6	0.3	0.1	67	0.65	0.059	13	35	0.69	348	0.057	1	1.8	0.014	0.1	<0.1	0.02	4.9	0.1	<0.05	7	<0.5	<0.2	WHI19000382
1961101	176	7.65	23.6	68.1	6.4	246	0.1	0.5	1.6	31	0.09	0.191	31	19	0.51	221	0.006	<1	2.32	0.253	0.14	<0.1	0.08	3	<0.1	0.93	6	1.6	1.7	WHI19000382
1961102	1217	5.53	43.9	64	8.2	30	1.9	1.1	0.7	52	0.19	0.061	27	24	0.66	205	0.023	<1	2.24	0.017	0.15	0.2	0.07	5.5	0.2	<0.05	7	<0.5	1.2	WHI19000382
1961103	1092	4.16	8.5	1.2	6.2	25	0.2	0.4	0.2	85	0.35	0.087	21	32	0.89	178	0.127	<1	2.28	0.016	0.22	0.1	0.02	5.9	0.2	<0.05	9	<0.5	<0.2	WHI19000382

	Taut 2019 Soil Samples												Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co
	All coordinates; Grid: UTM, Datum: NAD 83 Zone 8V												Unit	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Sample#	Date	Time	East	North	Elev	m	Sampler	Type	Depth-cm	Color	Quality	Description	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1
1961104	7-Aug-19	3:13:44PM	405495	6851317	1248	m	RH	Soil	30	dark brown	good	minor org-brown, snady - pebbles - grussy granodiorite	Soil	0.9	14.9	5	94	<0.1	10.5	17.7
1961105	7-Aug-19	3:49:50PM	405226	6851533	1227	m	RH	Soil	30	org brown	good	granular decomposed grussy granodiorite, qtz veinlet pebbles.	Soil	12.4	88.8	5.3	142	<0.1	9.5	27.1
1961106	7-Aug-19	8:23:58PM	405337	6850838	1404	m	RH	Soil	40	brown	mod	cryoturb soil, at active layer, feld porph andesite float	Soil	1.9	34.2	10.5	78	0.2	21.2	18.2
1961107	7-Aug-19	8:27:56PM	405183	6850765	1405	m	RH	Soil	50	org-brown	mod	cryoturb soil, at active layer, feld porph andesite float and small pieces qtz veining.	Soil	42.6	43.7	35.4	175	0.3	32.6	24.7
1961108	7-Aug-19	8:33:01PM	405109	6850720	1406	m	RH	Soil	40	grey-brown	mod	sandy, muddy, at active layer, float of qtz porphyry	Soil	4.7	15.2	41.4	108	0.5	13.4	6.3
1961109	8-Aug-19	2:25:47PM	403372	6851424	1512	m	RH	Soil	40	brown	poor	rocky with loess, near top of hill, float of equigran graniite.	Soil	0.6	20.6	7.2	53	<0.1	24.1	11.2
1961110	8-Aug-19	2:44:47PM	403550	6851405	1517	m	RH	Soil	30	brown	good	rock, minor loess, very gritty - pebble soil, granite float with minor qtz veining.	Soil	1.3	23.9	8.4	56	<0.1	25.8	12.5
1961111	8-Aug-19	3:07:02PM	403756	6851334	1498	m	RH	Soil	30	brown	mod	Loess present, abundant narrow glassy - grey qtz veinlets cutting granite float in area.	Soil	10.8	21.2	11.5	61	<0.1	22.8	10.3
1961112	8-Aug-19	3:37:47PM	403911	6851208	1475	m	RH	Soil	30	brown	mod	gritty - pebble rich soil, granite float, small pieces of qtz.	Soil	3.2	20.5	7.3	47	<0.1	19.6	9.5
1961113	8-Aug-19	3:56:36PM	404060	6851063	1462	m	RH	Soil	30	brown	mod	gritty - pebble rich soil, granite float, rare pieces of qtz.	Soil	1.9	20.8	7.8	49	<0.1	22.9	10.5
1961114	8-Aug-19	4:20:02PM	403959	6851013	1457	m	RH	Soil	25	brown	mod	gritty - pebble rich soil, granite float, rare pieces of qtz.	Soil	2.2	20	9.4	52	<0.1	22	11.6
1961115	8-Aug-19	4:36:24PM	403856	6850973	1451	m	RH	Soil	30	brown	mod	gritty - pebble rich soil, granite float, rare pieces of qtz.	Soil	9.3	13.7	13	42	<0.1	12.4	5.7
1961116	8-Aug-19	4:56:52PM	404159	6851124	1452	m	RH	Soil	25	brown	mod	on extension of Ribbon Zone, in depression, very granular, granite float, rare barren qtz veining.	Soil	2.3	20.6	9.8	53	0.1	23.5	13.6
1961117	8-Aug-19	5:08:04PM	404242	6851161	1437	m	RH	Soil	25	brown	mod	very gritty - pebble rich soil, granite and qtz vein float.	Soil	3.6	15.7	8.7	51	0.1	17.7	8.8
1961118	9-Aug-19	11:28:17AM	405936	6848201	1489	m	RH	Soil	40	brown	good	grussy granodiorite soil, granular weathered dark grey hbl-fled-andesite, magnetic, at base of hill to east, in slight dip in ridge.	Soil	0.6	21.3	10.6	84	<0.1	16.6	9.6
1961119	9-Aug-19	11:48:07AM	406018	6848218	1490	m	RH	Soil	30	brown	good	float of mostly fresh magnetite grey feldspar porph andesite and limonitic weathered non magnetic altered andesite in small 2m wide linear depression trending 156deg.	Soil	0.9	47.9	66.8	166	1.8	19.1	13.9
1961120	9-Aug-19	12:32:19PM	406171	6848176	1488	m	RH	Soil	40	yellow-brown	good	decomposed clayey andesite, fault zone, blocky fresh andesite float, C horizon, in small linear saddle trending 345 deg. "Lunch sample"	Soil	0.3	37.2	22.4	103	0.3	8.6	13.6

	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
	PPM	%	PPM	PPB	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	
Sample#	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	Certificate
1961104	829	5.14	4.3	<0.5	4	27	0.1	0.1	<0.1	134	0.48	0.134	15	24	2.01	237	0.169	<1	4.09	0.015	0.32	<0.1	<0.01	11.6	0.3	<0.05	12	<0.5	<0.2	WHI19000382
1961105	972	8.39	3.5	<0.5	4.9	31	<0.1	0.2	0.1	181	0.71	0.212	15	30	1.7	253	0.185	<1	3.25	0.028	0.71	<0.1	0.19	18.3	0.5	<0.05	15	0.7	<0.2	WHI19000382
1961106	1286	4.07	6.8	9.2	3.4	43	<0.1	0.3	0.1	85	0.46	0.104	21	55	0.85	279	0.018	<1	3	0.017	0.08	<0.1	0.08	10.8	0.1	<0.05	8	<0.5	<0.2	WHI19000382
1961107	908	5.18	16.9	4.9	8.1	25	0.6	1.4	0.2	71	0.29	0.086	24	41	0.47	160	0.052	<1	1.39	0.011	0.18	0.1	0.15	8.3	0.2	<0.05	5	<0.5	<0.2	WHI19000382
1961108	196	2.71	16.7	14	4.2	21	0.3	1	0.2	63	0.26	0.053	13	33	0.5	137	0.058	<1	1.61	0.012	0.08	<0.1	0.08	4.4	0.1	<0.05	5	<0.5	<0.2	WHI19000382
1961109	450	2.54	6.1	1.3	4.6	17	0.2	0.3	0.1	66	0.21	0.024	10	34	0.57	136	0.107	2	2.02	0.014	0.07	0.1	0.03	4.1	0.2	<0.05	5	<0.5	<0.2	WHI19000382
1961110	418	2.63	6.9	2.7	5.1	15	0.3	0.4	0.1	64	0.18	0.025	11	34	0.6	120	0.109	2	2.16	0.013	0.08	0.1	0.03	4.1	0.1	<0.05	6	<0.5	<0.2	WHI19000382
1961111	333	2.73	7.6	2	3.7	16	0.4	0.5	0.2	65	0.18	0.029	10	33	0.56	116	0.102	<1	2.12	0.013	0.07	0.1	0.05	3.7	<0.1	<0.05	6	<0.5	<0.2	WHI19000382
1961112	413	2.43	7.5	0.8	4.8	16	0.2	0.6	0.1	56	0.15	0.018	14	32	0.51	140	0.119	<1	1.95	0.013	0.08	0.1	0.17	4.7	0.2	<0.05	5	<0.5	<0.2	WHI19000382
1961113	434	2.45	6.2	1.5	4.8	16	0.1	0.4	0.1	60	0.18	0.026	11	32	0.51	143	0.11	<1	2.04	0.014	0.1	0.2	0.03	3.6	0.1	<0.05	6	<0.5	<0.2	WHI19000382
1961114	481	2.53	7.2	1.8	4.2	16	0.3	0.6	0.1	60	0.19	0.039	11	33	0.54	108	0.104	1	2.01	0.015	0.09	0.2	0.2	4	0.2	<0.05	5	<0.5	<0.2	WHI19000382
1961115	225	1.9	7.5	2.1	3.7	21	0.1	0.8	0.1	47	0.28	0.037	14	25	0.4	221	0.082	<1	1.19	0.013	0.06	0.1	0.66	4.3	0.2	<0.05	4	<0.5	<0.2	WHI19000382
1961116	450	2.78	7.9	2.3	5	17	0.2	0.5	0.2	68	0.21	0.043	11	38	0.57	138	0.103	1	2.5	0.014	0.09	0.2	0.08	4.5	0.1	<0.05	6	<0.5	<0.2	WHI19000382
1961117	332	2.76	7	<0.5	3.9	19	0.2	0.5	0.2	71	0.23	0.044	10	35	0.53	131	0.11	1	2.34	0.014	0.07	0.2	0.08	3.9	0.1	<0.05	6	<0.5	<0.2	WHI19000382
1961118	520	3.02	5.4	1.7	2.4	17	0.2	0.3	<0.1	60	0.19	0.053	12	25	0.82	197	0.044	<1	2.65	0.018	0.1	<0.1	0.04	5	<0.1	<0.05	7	<0.5	<0.2	WHI19000382
1961119	1400	3.78	14.9	16.9	2.1	25	0.7	0.9	0.3	64	0.19	0.071	15	29	0.81	280	0.023	<1	3.38	0.016	0.11	<0.1	0.08	6	0.2	<0.05	8	<0.5	0.3	WHI19000382
1961120	1615	3.23	4.3	7.8	3.6	39	0.3	0.2	0.8	78	0.98	0.063	18	19	1.3	217	0.002	<1	3.43	0.015	0.03	<0.1	0.02	9.6	<0.1	<0.05	10	<0.5	<0.2	WHI19000382

	Taut 2019 Soil Samples												Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co
	All coordinates; Grid: UTM, Datum: NAD 83 Zone 8V												Unit	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Sample#	Date	Time	East	North	Elev	m	Sampler	Type	Depth-cm	Color	Quality	Description	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1
1961121	9-Aug-19	1:03:54PM	406566	6848228	1435	m	RH	Soil	35	brown	good	granular soil, decomposed non magnetic andesite float, limonite tinge to soil.	Soil	1	23.8	29.9	101	0.2	19.8	10.5
1961122	9-Aug-19	1:18:59PM	406629	6848229	1434	m	RH	Soil	30	brown	good	granular - sandy soil, decomposed non magnetic and magnetic fresh andesite float	Soil	1	21.1	19.3	97	0.1	16.5	12.8
1961123	9-Aug-19	1:32:26PM	406702	6848201	1429	m	RH	Soil	30	brown	good	granular - sandy soil, decomposed non magnetic and magnetic fresh andesite float. Qtz feldspar biote schist float and outcrop of same to east.	Soil	2.1	35.2	24.4	97	<0.1	15.3	18
1961124	9-Aug-19	1:44:40PM	406725	6848196	1432	m	RH	Soil	25	brown	good	granular sandy soil, small pieces of qtz float, qtz-feldspar granite with slick on fracture face, QFB schist float.	Soil	1.4	34.9	20.3	91	0.8	31.4	21.4
1961125	9-Aug-19	2:08:36PM	406778	6848143	1432	m	RH	Soil	30	brown	good	float of aplite, minor thin qtz veins, rare qtz porph and granite, few pieces pegmatite.	Soil	1.1	22.4	16.5	108	<0.1	32.5	22.5
1961126	9-Aug-19	2:30:42PM	406874	6848109	1439	m	RH	Soil	30	orange-brown	good	in small rocky gully trending 020deg. Float of alaskite, white qtz and FeOx, outcrop of foliated granodio to 25 m to E and W.	Soil	0.9	18.9	51.2	186	0.2	20.7	12.8
1961127	9-Aug-19	3:12:38PM	407059	6848107	1416	m	RH	Soil	30	orange-brown	good	very granular soil, mixed float; aplite, fol grd.	Soil	1.4	38.9	15.2	93	<0.1	16.7	29.9
1961128	9-Aug-19	3:26:17PM	407262	6848134	1392	m	RH	Soil	30	orange-brown	good	very granular soil, mixed float; aplite, fol grd.	Soil	0.6	17.2	5.6	72	<0.1	15.9	13.3
1961129	9-Aug-19	3:40:50PM	407471	6848158	1368	m	RH	Soil	35	brown	good	down to active layer, blocky pink aplite float.	Soil	1.1	11.5	6.4	124	<0.1	13	16.5
1961130	9-Aug-19	3:54:14PM	407676	6848138	1344	m	RH	Soil	40	brown	good	granular grussy grd soil, no aplite or blocky float.	Soil	0.6	13.1	5.9	79	<0.1	12.9	13.9
1961131	9-Aug-19	4:06:41PM	407878	6848129	1316	m	RH	Soil	40	brown	good	granular grussy grd soil, oieces aplite float.	Soil	0.7	21.4	5.3	113	<0.1	12.6	15.7
1961132	10-Aug-19	10:53:35AM	404109	6850665	1426	m	RH	Soil	20	brown	poor	loess- silty soil, float of granite,, few pieces Mo mineralized float.	Soil	6.9	13.2	32.6	45	<0.1	14.7	9.5
1961133	10-Aug-19	11:20:42AM	403764	6850955	1450	m	RH	Soil	40	brown	moderate	granular - gritty silty loess soil, granite float, small <4mm avg x/cutting qtz veinlets and FeOx on fractures.	Soil	2.2	21.9	7.9	55	<0.1	21.8	11.3
1961134	10-Aug-19	12:41:35PM	402896	6851540	1449	m	RH	Soil	25	brown	mod	gritty graular soil, granite float x/cut by occasional qtz veinlets.	Soil	0.4	16.6	7.5	42	<0.1	16.8	8
1961135	10-Aug-19	3:22:00PM	405335	6850192	1422	m	RH	Soil	30	orange-brown	mod	in recessive zone, qtz float train at 340 deg, frost boil, granite rubble, possible fault zone?, FeOx on frac - slick, feldspar altered granite.	Soil	9.3	85.7	46.3	116	0.9	8.4	6.9
1961136	10-Aug-19	3:50:05PM	405424	6850377	1399	m	RH	Soil	40	orange-brown	mod	very gritty soil with pebbles, in recessive zone, approx 340 deg, mixed float of qtz, qtz prophyry, qtz-feldspar-biot schist.	Soil	13.8	27.9	13	85	<0.1	27.7	15.6

	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
	PPM	%	PPM	PPB	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	
Sample#	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	Certificate
1961121	708	3.18	7.2	4.6	4.7	20	0.5	0.4	<0.1	65	0.25	0.025	14	33	0.66	319	0.067	<1	2.4	0.016	0.08	0.1	0.04	4.9	0.1	<0.05	6	<0.5	<0.2	WHI19000382
1961122	1047	3.55	5.4	6.9	3.3	26	0.3	0.3	<0.1	68	0.28	0.059	13	27	0.63	330	0.033	<1	2.66	0.016	0.09	<0.1	0.04	5.2	<0.1	<0.05	6	<0.5	<0.2	WHI19000382
1961123	1053	3.56	7.2	12.1	5.7	22	0.3	0.4	<0.1	63	0.3	0.037	17	29	1.04	368	0.044	<1	2.28	0.014	0.08	<0.1	0.01	5.7	<0.1	<0.05	7	<0.5	0.2	WHI19000382
1961124	670	3.49	8.8	4.7	6	19	0.7	0.4	0.2	76	0.31	0.077	15	40	0.82	175	0.092	1	2.85	0.017	0.12	0.1	0.05	5.9	0.1	<0.05	7	<0.5	<0.2	WHI19000382
1961125	1104	5	12	8.2	4	21	0.3	0.5	0.2	109	0.48	0.145	11	87	1.27	216	0.124	<1	2.81	0.018	0.24	0.1	0.03	8.6	0.3	<0.05	10	<0.5	<0.2	WHI19000382
1961126	669	3.31	15.7	8.8	4.1	14	1.3	0.7	0.2	68	0.19	0.054	14	31	0.56	199	0.08	<1	2.01	0.012	0.13	0.1	0.15	5.1	0.2	<0.05	6	<0.5	<0.2	WHI19000382
1961127	1697	4.67	7.8	9.4	6.9	17	0.3	0.4	0.8	103	0.23	0.083	15	36	0.88	173	0.156	<1	2.6	0.014	0.37	0.2	0.04	7.1	0.3	<0.05	10	<0.5	0.3	WHI19000382
1961128	621	3.68	4.4	1	5.3	19	0.2	0.3	0.1	79	0.41	0.143	18	24	0.85	293	0.146	<1	2.2	0.015	0.34	<0.1	0.01	6.6	0.2	<0.05	8	<0.5	<0.2	WHI19000382
1961129	1069	5.06	3.5	1.3	5.2	30	<0.1	0.3	0.2	113	0.7	0.189	19	21	1.1	467	0.157	1	2.19	0.017	0.54	<0.1	0.07	11.7	0.3	<0.05	11	<0.5	<0.2	WHI19000382
1961130	627	3.64	3.8	4.6	3.8	32	<0.1	0.3	0.1	78	0.63	0.124	13	24	0.73	325	0.082	1	1.95	0.018	0.22	0.1	0.03	9.5	0.2	<0.05	7	<0.5	<0.2	WHI19000382
1961131	900	3.6	3.9	<0.5	4.1	23	0.1	0.2	<0.1	88	0.47	0.132	13	23	0.96	234	0.176	1	1.89	0.014	0.37	<0.1	0.02	5.8	0.2	<0.05	8	<0.5	<0.2	WHI19000382
1961132	345	2.07	5.7	1.5	3.5	15	0.3	0.9	<0.1	46	0.16	0.021	8	25	0.36	165	0.066	2	1.66	0.011	0.05	<0.1	0.3	2.8	0.1	<0.05	4	<0.5	<0.2	WHI19000382
1961133	404	2.78	7.2	2.3	4.1	22	0.1	0.4	0.1	65	0.3	0.083	15	39	0.67	191	0.103	1	2.29	0.017	0.1	0.2	0.05	6.1	0.1	<0.05	6	<0.5	<0.2	WHI19000382
1961134	346	2.22	5.9	2.3	4.2	16	0.1	0.4	<0.1	53	0.15	0.018	14	29	0.45	159	0.098	1	1.59	0.012	0.08	0.1	0.06	4.9	<0.1	<0.05	4	<0.5	<0.2	WHI19000382
1961135	332	4.68	12.2	109.1	7.5	146	0.2	0.7	0.8	47	0.14	0.095	13	38	0.4	184	0.031	<1	1.34	0.053	0.19	<0.1	0.05	4.9	0.1	0.35	5	1.1	1.1	WHI19000382
1961136	423	4.71	15.8	3.6	11.6	17	<0.1	0.9	0.1	65	0.23	0.058	31	50	0.67	213	0.097	<1	1.65	0.012	0.38	<0.1	0.06	6.6	0.2	<0.05	6	<0.5	<0.2	WHI19000382

Taut 2019 Rock Samples														
All coordinates; Grid: UTM, Datum: NAD 83 Zone 8V														
Station	**Date**	**Time**	**Grid**	**Datum**	**Zone**	**V**	**East**	**North**	**Elev**	**m**	**Sampler**	**Type**	**Type2**	**Description**
65702	8/7/2019	16:13:35	UTM	NAD83	8	V	405275	6848572	1451	m	WDM	rock	float	Selective grab from same site as sample T13R006 (287 ppm Mo). Numerous quartz-molybdenite boulders. White QV w/ limonite boxwork after pyrite and ferrimolybdite staining. Altered Qtz porphyry host with minor 10cm aplite dykes.
65703	8/7/2019	16:42:12	UTM	NAD83	8	V	405214	6848672	1448	m	WDM	rock	float	Chip sample off 10 boulders. 50+ white QV boulders within 15m radius. Altered Qtz porphyry host.
65704	8/8/2019		UTM	NAD83	8	V	404650	6850175			WDM	rock	float	chip sample from 25 x 15cm white QV boulder w/ rusty fractures and trace vfg molybdenite.
65705	8/10/2019	9:17:32	UTM	NAD83	8	V	404250	6851184	1407	m	WDM	rock	float	Chips off 10 boulders mineralized white QV (site "MOLY" found by Roger).
65706	8/10/2019	14:39:07	UTM	NAD83	8	V	404495	6850959	1384	m	WDM	rock	float	Chip sample off 20x 20x 10cm white QV boulder. Strong molybdenite, limonite boxwork after pyrite, ferrimolybdite staining. Sample of best mineralization observed in this area. Intrusive in this area is less altered than in most of the property, with Kspar preserved. Plagioclase and mafics are highly altered.
I065751	8-Aug-19	12:29:58PM	UTM	NAD83	8	V	404308	6850823	1420	m	RH	rock	float	Float in recessive zone on NW side of Pass. White qtz vein with grey wisps - almost bands of of diss molybdenite and trace diss py. Locally vuggy. Other float of qtz porphyry and equigranular variety of same, ie. granite.
I065752	8-Aug-19	3:19:33PM	UTM	NAD83	8	V	403753	6851333	1497	m	RH	rock	float	Floa of slabby qtz vein , grey white, banded, yellow weathered py stain, tr diss py, and lesser glassy qtz vein and diss py. Wallrock and other float of equigranular qtz -feldspar 'granite'.
I065753	10-Aug-19	10:43:09AM	UTM	NAD83	8	V	404110	6850664	1426	m	RH	rock	float	Float of white qtz vein with trace diss galena and </= 0.1% Mo as </= 1 mm specks, concentrated on greenish qtz bands. Other float, scree of equigranular 'granite'.
I065754	10-Aug-19	2:16:29PM	UTM	NAD83	8	V	403915	6851144	1471	m	RH	rock	float	Grab of qtz veined float boulders. Trace diss py, Mo, galena,Locally grisen like granite wallrock with grey qtz veining. Some veins very vuggy with FeOx.

Taut 2019 R	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr
All coordina	Unit	KG	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPB	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM
Station	MDL	0.01	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	0.001	1	1
65702	Rock	0.42	821.6	0.7	1.4	<1	<0.1	0.4	<0.1	24	0.31	0.6	<0.5	<0.1	2	1	<0.1	<0.1	<1	<0.01	<0.001	<1	4
65703	Rock	0.68	74.5	1.4	2.1	9	<0.1	0.7	0.1	45	0.52	<0.5	<0.5	<0.1	1	<0.1	<0.1	<0.1	<1	<0.01	0.002	<1	4
65704	Rock	0.5	51.3	3.1	2.9	5	0.1	0.9	0.3	88	0.94	1.7	2.8	0.1	4	<0.1	1	<0.1	<1	<0.01	0.002	<1	6
65705	Rock	1.13	525.8	1.7	71.4	35	0.1	0.7	0.2	44	0.68	0.9	<0.5	0.2	9	1.3	1.7	0.8	<1	<0.01	0.003	1	8
65706	Rock	0.6	1311.9	1.3	15.4	4	<0.1	0.8	0.2	48	0.55	<0.5	<0.5	0.3	7	1.6	1.1	0.6	1	<0.01	0.003	1	7
I065751	Rock	1.68	811.7	0.8	2.4	<1	<0.1	0.7	0.2	41	0.39	<0.5	<0.5	<0.1	<1	0.7	0.1	0.1	<1	<0.01	<0.001	<1	8
I065752	Rock	1.4	112.5	0.9	69.1	5	0.9	0.8	0.2	44	0.9	0.8	<0.5	0.6	8	0.2	0.3	4.5	1	<0.01	0.003	<1	8
I065753	Rock	1.3	28.3	20.7	2236.1	15	1.5	0.8	0.3	76	0.46	1.8	<0.5	1.7	19	0.1	7.5	0.4	<1	0.02	0.002	7	6
I065754	Rock	1.2	453.1	1.3	461.9	4	3.4	1	0.4	54	0.78	1	2.4	0.3	9	0.5	0.4	8.5	<1	<0.01	0.002	<1	7

Taut 2019 R	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
All coordina	%	PPM	%	PPM	%	%	%	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	
Station	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	Certificate
65702	<0.01	65	<0.001	<1	<0.01	0.002	<0.01	<0.1	0.02	<0.1	<0.1	0.07	<1	<0.5	<0.2	WHI19000386
65703	<0.01	34	<0.001	<1	0.02	0.003	0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	WHI19000386
65704	<0.01	276	<0.001	<1	0.03	0.006	0.02	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	WHI19000386
65705	<0.01	425	<0.001	<1	0.05	0.005	0.07	<0.1	1.18	<0.1	<0.1	0.2	<1	<0.5	<0.2	WHI19000386
65706	<0.01	130	<0.001	1	0.04	0.003	0.03	<0.1	0.15	<0.1	<0.1	0.08	<1	<0.5	<0.2	WHI19000386
I065751	<0.01	18	<0.001	<1	<0.01	0.001	<0.01	<0.1	0.04	0.1	<0.1	0.1	<1	<0.5	<0.2	WHI19000386
I065752	<0.01	119	<0.001	<1	0.08	0.029	0.09	<0.1	0.07	0.1	<0.1	0.21	<1	<0.5	<0.2	WHI19000386
I065753	<0.01	1961	<0.001	<1	0.09	0.002	0.07	<0.1	1.04	0.1	<0.1	0.06	<1	<0.5	<0.2	WHI19000386
I065754	<0.01	467	<0.001	<1	0.04	0.008	0.04	<0.1	0.66	<0.1	<0.1	0.18	<1	0.8	0.6	WHI19000386

Taut 2019 Fieldstations										
All coordinates; Grid: UTM Grid, Datum: NAD 83 Zone 8V										
Station	Geologist	Date	East	North	Elev	m	Structure Type	Strike-Dip	Rock Type	Description
MOLY	WDM	8/10/2019	404250	6851184	1407	m			QV	Moly-rich QV boulders found by Roger. Followup target.
PIT 2	WDM	8/6/2019	406437	6849166	1324	m			Foliated	Test pit dug on IP line 700. Site of soil 1961004. 10cm organics, no ash layer. 70cm depth. Soil quite consistent with a few cobbles of foliated rock.
PIT3 CC	WDM	8/6/2019	406015	6849519	1336	m			Volcanics	Test pit dug on IP line 1200, anomaly "CC". 60 x 60 x 60cm pit, very rocky. Carmacks volcanic rocks in pit w/ epidote- pyrite alteration. Magnetic.
POST31 34	WDM	8/8/2019	404636	6850273	1431	m				TAUT posts 31, 32P2, 33, 34P1. Propped up by Ribbon Zone QV boulders.
T13R006 28	WDM	8/6/2019	405270	6848569	1407	m				2013 rock sample SW slope, 287 ppm Mo
TAH DDH	WDM	8/11/2019	405981	6848984	1361	m				1980 drilling site A - unclear which hole(s)
TAHDDH	WDM	8/11/2019	406157	6848984	1322	m				1980 drilling site B - unclear which hole(s)
TAUT CAMP	WDM	8/5/2019	405289	6849877	1407	m				2019 Camp location.
TEST PIT	WDM	8/6/2019	406329	6849106	1321	m				Test pit dug on IP line 700 at highest chargeability anomaly "CB", Stn 3200. Pit 1.2m x 1.0m x 0.8m deep. 3 soil samples collected from this pit (1961001- 003). Area has alluvial sediments and 3m high willows. 5- 10cm organics, 2- 5cm white river ash, 15cm silt-clay = loess? 30 - 80cm: layers of brown sand and grey loess. Abundant cobbles in all layers.
WDM19R40	WDM	8/7/2019	405629	6848072	1453	m			granite	Furthest SW subcrop of Qtz porphyry. Some Q eyes are smoky. Fspars and mafics altered to sericite/ chlorite/ clays, but texture not destroyed. Slickensides observed. Located about 20m N of lineament.
WDM19R40	WDM	8/10/2019	404399	6850819	1400	m			granite	"Quartz Porphyry" granite. Plagioclase is euhedral, but altered to soft white clay. Kspar is hard and pink. Mafics obvious but altered. No texture destruction at this point. Proximal to QV with moly, trace vfg moly in granite.
CONT	WDM	8/9/2019	405667	6848436	1468	m				Volcanic - Qtz Porphyry contact. Volcanics to NE
CONT2	WDM	8/9/2019	405753	6848326	1468	m				Volcanic - Qtz Porphyry contact. Volcanics to S
CONT3	WDM	8/9/2019	405735	6848226	1476	m				Volcanic - Qtz Porphyry contact. Volcanics to SE
CONT4	WDM	8/9/2019	405573	6848458	1474	m				Volcanic - Qtz Porphyry contact. Volcanics to NE
CONT5	WDM	8/9/2019	405491	6848556	1478	m				Volcanic - Qtz Porphyry contact.
CONT6	WDM	8/9/2019	405402	6848630	1479	m				Volcanic - Qtz Porphyry contact. Volcanics to NE
CONT7	WDM	8/9/2019	405343	6848665	1474	m				Volcanic - Qtz Porphyry contact.
CONTACT	WDM	8/7/2019	405160	6848735	1445	m				Volcanic - Qtz Porphyry contact. Volcanics to NW
CONTACT2	WDM	8/7/2019	404965	6848832	1439	m				Volcanic - Qtz Porphyry contact. Volcanics to E
CONT8	WDM	8/9/2019	405279	6848673	1465	m				Volcanic - Qtz Porphyry contact.

Station	Geologist	Date	East	North	Elev	m	Structure Type	Strike-Dip	Rock Type	Description
RH19401	RH	5-Aug-19	404940	6849502	1404	m			granite	Lichen covered, weathered and fresh tan - orange colored qtz porphyry (2mm) granite, (Noranda qtz monzonite?). Sparse, <0.5%, biot, qtz pheons in finer gtrained qtz- feld groundmass. Minor dry fractures with <1mm diss py,
RH19402	RH	5-Aug-19	404815	6849313	1428	m			andesite	Scree of feldspar porphyritic Carmacks group andesite, very magneitc, very weak calcite, photos from top of oil drum hill looking north ad orange weathering qtz porphyry with grey grd to (?) to north of that. 3 NW trending linears visible.
RH19403	RH	5-Aug-19	405431	6848784	1508	m			altered andesite	Near possible contact, feld porph andesite but weak calicte, epidotea dn green chlorite tinge to rock.
RH19404	RH	5-Aug-19	405454	6848773	1502	m			andesite	float sample of phyllic altered feld - hbl porphyritic andesite. Magnetite and hornblende(?) replaced by bright 1-3mm pyrite, <2% overall, rusty weathering. Soil sample at station. Leakage zone? Best altered andesite seen on property.
RH19405	RH	5-Aug-19	405494	6848677	1491	m			andesite	blue flagging, old soil sample?, float of green magnetite bearing andesite, approx 25m to SE rusty weathering frost boil patches of py altered non mag andesite.
RH19406	RH	5-Aug-19	405568	6848675	1479	m			andesite	pyrite altered andesite, site of soil sample 1961101.
RH19407	RH	5-Aug-19	405548	6848872	1457	m			andesite	Feld-hbl, non mag andesite, <25 fuine grained diss py, weak calcite, weak prop alt.
RH19408	RH	5-Aug-19	405555	6848929	1455	m			Qtz porph	same rock as at camp, ie qtz poprhyry, transition to more equigranular qtz monz or granite. Minor qtz veinlets.
RH19409	RH	5-Aug-19	405504	6849092	1447	m			Qtz porph	same qtz poprh all the way from 408, at 409 piece qtz vein with speck malachite on margin.
RH19410	RH	5-Aug-19	405443	6849172	1438	m			Qtz porph	margin of qtz porphy scree with vegetation to north.
RH19411	RH	6-Aug-19	405899	6848894	1390	m			andesite	small muddy frost boil with non magnetic epidote altered andesite float, otherwise carpet of veg in area; moss, lab tea etc.
RH19412	RH	6-Aug-19	405979	6848984	1370	m				Old drill pad. Approz 10 5 ft BQ rods and some casing. Very rotton and overgrown timbers.
RH19413	RH	6-Aug-19	406074	6849035	1353	m			andesite	frost boil, epidote altered andesite float, magnetic, 2 pieces white qtz vein with FeOx vugs.
RH19414	RH	6-Aug-19	406148	6849588	1331	m	Foliation	359/58E	QFB schist	TOR outcrop (approz 10x20x10m high), qtz-feld-biot schist (granodiorite?), specks diss epidote, and veinlets epidote and epidote on fracture faces. TOR juts off IP L1200N.
RH19415	RH	6-Aug-19	406014	6849519					andesite	At pit 3, epidote altered feldspar porph andesite.
RH19416	RH	6-Aug-19	406062	6849669	1347	m			andesite	on ridge crest west (WNW) of gneisic TOR, stn 414, scree of slabby epidote altered fledspar phyric andesite, non mag and no calcite.

Station	Geologist	Date	East	North	Elev	m	Structure Type	Strike-Dip	Rock Type	Description
RH19417	RH	6-Aug-19	405959	6849796	1372	m	Foliation	340/44N	QFB schist	Gneissic TOR as stn 414, has 10cm+ pink fine grained felsic segregations - dykelets (subseqently proved to be dykelets) O/c forms ridge to north, To south, station 416 of porph andesite lies between TOR o/c's 417 and 414.
RH19418	RH	6-Aug-19	405724	6850042	1404	m			QFB schist	scree subcrop of gneiss at station + epidote altered feldspar porphyritic andesite. Gneiss extends down ridge to SE and stn 417. Andesite subcrop to W for 50 m than back into gneissic scree.
RH19419	RH	6-Aug-19	405553	6849989	1405	m			Qtz porph	Stn on or near contact; minor QFB gniess and qtz porphyry plus Feldspar porphyritic andesite. 10 m to west all qtz porphyry, clay rich soil and clay altered porphyry.
RH19420	RH	7-Aug-19	405334	6850040	1421	m	qtz float	110	Qtz porph	20m float train of qtz vein boulders </=0.75m , tr Mo. Photo of camp looking south.
RH19421	RH	7-Aug-19	405417	6850202	1421	m			andesite	North side of contact between qtz porphyry to south and fled phyric andesite to north.
RH19422	RH	7-Aug-19	405540	6850100	1414	m		308	andesite	approximate contact between and esite and qtz porphyry (to south).
RH19423	RH	7-Aug-19	405608	6850187	1409	m	foliation	346/42	QFB schist	ridge crest, knoll of subcrop, qtz-feld-biot schist-gneiss. Approx 10-20m wide dyke of recessive qtz porphyry 20m to WSW.
RH19424	RH	7-Aug-19	405673	6850127	1408	m	Foliation	340/50	QFB schist	contact between feld phyric andesite and schist to south. Good andesite outcrop, blocky , very fresh, magnetic, variable weak epidote.
RH19425	RH	7-Aug-19	405793	6850055	1398	m			QFB schist	blocky felsenmeer of schist, epidote altered. Schist extends approx 50m to W and 25m to east.
RH19426	RH	7-Aug-19	406007	6850162	1382	m	Foliation	336/44	QFB schist	QFB schist crosscut by pink fine grained qtz-feld dykelets. Thicker dykes have rare - few qtz phenos (=qtz porph?). Abundant mixed QF porphyry and fine grained fine grained QF with schist/gneiss about 75 m to W.
RH19427	RH	7-Aug-19	406127	6850212	1348	m				From stn 126, float of schist/gneiss x/c by pink fine grained QF dykelets.
RH19428	RH	7-Aug-19	406200	6850288	1329	m			QFB schist	Float of schist - gniess cross cut by pink QF and qtz dykelets. All recessive and veg covered between 428 and 429.
RH19429	RH	7-Aug-19	406355	6850354	1317	m			andesite	Fresh, strongly magnetic, grey weathered grey hornblende feld phyric andesite, no calcite, almost salt and pepper texture.
RH19430	RH	7-Aug-19	406416	6850363	1313	m	foliation	328/53NE	Fol granodiorite	60m+ outcrop from 429 to 430 of fresh weakly foliated granodiorite, equigranular, <4mm crystals, about 10% amfics, forms small hill with steep slope to north.
RH19431	RH	7-Aug-19	406360	6850444	1296	m			Fol granodiorite	North margin of blcoky granodioritewith veg - OB to NW.

Station	Geologist	Date	East	North	Elev	m	Structure Type	Strike-Dip	Rock Type	Description
RH19432	RH	7-Aug-19	406111	6850538	1302	m			andesite	patch of exposed scree, mostly fresh grey strongly magnetic feldspar phyric andesite. Few pieces pink fine grained QF 'dyke'.
RH19433	RH	7-Aug-19	405932	6850569	1329	m	Foliation	320/60	QFB schist	small knoll, <10m of fresh QFB schist /gneiss.
RH19434	RH	7-Aug-19	405801	6850580	1333	m			Fol granodiorite	small 2x2 m outcrop if grey weathered fresh grey granodiorite - as 430 stn. X/c by occasional pink fine grained Q_F veinlets and one grey 10cm qtz vein. No sign of weak soil anomaly near station.
RH19435	RH	7-Aug-19	405811	6850714	1315	m			Fol granodiorite	small 3x5m blocky subcrop of foliated granodiorite crosscut by pink feld-qtz and grey qtz veinlets.
RH19436	RH	7-Aug-19	405691	6850822	1308	m			Fol granodiorite	Scree pile, of foliated granodiorite and fineer grained versionof same, both cross cut by rare pink fled and qtz veinlets. Also float of qFB schist-gniess (paragneiss?).
RH19437	RH	7-Aug-19	405653	6850868	1304	m	Foliation	326/60NE	QFB schist	QFB schist and foliated granodiorite, crossct by pink feld-qtz veinlets. Occasional thin qtz veinlets with minor vugs and diss py.
RH19438	RH	7-Aug-19	405558	6850966	1305	m				On IP L2700N, center of approx 50m granodiorite, some QFB schist -gneiss, outcrop, no qtz veinlets or dykelets.
RH19439	RH	7-Aug-19	405517	6851005	1302	m	Foliation	140/65S	Fol granodiorite	Foliated weakly magnetic granodiorite outcrop, 10mE, 5m W, 10m S and 50m NNW, some weak shearing - fractured, slicks.
RH19440	RH	7-Aug-19	405497	6851318	1252	m	Foliation	127/90	Fol granodiorite	small knoll, pinky weathered patches,m S/C of foliated granodiorite, cross cut by rare 1cm fledspar qtz veinlets (qtz in core). Photo
RH19441	RH	7-Aug-19	405224	6851541	1230	m	Foliation	172/75W	granite	pink weathering pink qtz-porph fine grained qtz-feld granite (aplite? about 40 m wide dyke? if trending about N-S). Only few qtz phenos. X/cut by rare grey qtz veinlets +/-pink fleds, locally vuggy with limonite and rare diss py in vein and rock. Appears to be an aplite dyke cutting grussy fol granodiorite. small knoll of same extends about 100m to NW - forms last hill before lake to east.
RH19442	RH	7-Aug-19	405323	6851348	1243	m	Foliation	340/90	Fol granodiorite	station in center of 50m circular small knoll of grussy weathering fol granodiorite, cross cut fine grained feldspar +/- qtz dykelets and veinlets. 3-4cm feld dykelet - vein at 060/90.
RH19443	RH	7-Aug-19	405444	6850892	1322	m	Foliation	324/50NE	Fol granodiorite	on IP L2700N, at station flag, fol grd 25m to NE and QFB schist 25m to SW
RH19444	RH	7-Aug-19	405395	6850959	1316	m	Foliation	328/90	Fol granodiorite	At NNW (330deg) end of knob of fol grd - entends about 100m with steeps sides to NNW and E, weakly magnetic. Two 10-15cm wide pink feldspar dykelets at 344/80E.
RH19445	RH	7-Aug-19	405336	6850838	1327	m			andesite	at soil 1961106

Station	Geologist	Date	East	North	Elev	m	Structure Type	Strike-Dip	Rock Type	Description
RH19446	RH	7-Aug-19	405363	6850757	1347	m			andesite	center of 50m patch of scree on gentle knoll of grey fresh magnetic feld phyric andesite.
RH19447	RH	7-Aug-19	405184	6850765	1336	m			andesite	on IP L2700N. Soil sample 1961107.
RH19448	RH	7-Aug-19	405109	6850719	1348	m			Qtz porph	At soil 1961108.
RH19449	RH	7-Aug-19	405061	6850696	1353	m			Qtz porph	Onl L2700N/3200E. <1% Limonite specks and weathered out py.
RH19450	RH	8-Aug-19	405192	6850072	1429	m	qtz float	328	Qtz porph	qtz float train, boulders <0.5m, trace diss fine gr Mo.
RH19451	RH	8-Aug-19	405049	6850170	1447	m	joints	350/steep	Qtz porph	qtz porphyry O/c, rarer joints/fracture 080/steep.
RH19452	RH	8-Aug-19	404765	6850337	1433	m			Qtz porph	broad ridge covered in lichen covered qtz porphy boulders. White -grey -glassy qtz vein boulders, no vis sx. No Qtz boulder trains between stn 450 -452.
RH19453	RH	8-Aug-19	404594	6850347	1434	m	qtz float	325	Qtz porph	Well defined qtz boulder train, boulders <0.8m, locally crudely banded, diss Mo. Looks like 1-2 m wide qtz vein. Extends 100+ m, NW to Suzi P2 5&6 on IP L2700. (GPS of post 404436/6850417M).
RH19454	RH	8-Aug-19	404447	6850581	1410	m			Qtz porph	in broad saddle, frost boils with qtz veining and finer grained version of Qtz porph. Prophyry crosscut by hairline glassy qv, localy vuggy and FeOx. Minor 1-3cm qtz veinlets and nearby 10-20cm qtz vein float with tr py and Mo. Stn on vein trend.
RH19455	RH	8-Aug-19	404167	6851125	1455	m			Qtz porph	less qtz phenos than previous. At NW 'end' of recessive zone with large qtz boulders +/- Mo. Recessive zone is contact bewtten equigranular Qtz poprhy and finer gr verison of same (granite).
RH19456	RH	8-Aug-19	404073	6851259	1459	m			granite	medium grained grey equigranular qtz - feld (granite). Minor qtz veining, flooding, almost stockwork. No big blockly qtz veins in area.
RH19457	RH	8-Aug-19	403382	6851436	1512	m			granite	at survey marker on corner of R block. Pinkish weathering granite float, irregular 1-3mm qtz crystals in finer <1mm qtz-feld matrix, no qv.
RH19458	RH	8-Aug-19	404249	6851184	1435	m			granite	large boulders, 1m+ of white qtz with flakey mm Mo.
RH19459	RH	9-Aug-19	405285	6848933	1513	m			andesite	at cairn, near full sealed 200l orange fuel drum, like Jet A or B.
RH19460	RH	9-Aug-19	405870	6848204	1490	m			andesite	fresh magnetic feldspar phyric andesite.
RH19461	RH	9-Aug-19	406081	6848235	1495	m	fractures	360/90	andesite	blocky fresh grey andesite outcrop on ridge, very mag, steep slope to north. Pan photos to north.
RH19462	RH	9-Aug-19	406831	6848131	1437	m	Foliation	336/42E	Fol granodiorite	2x3m outcrop, alaskite sill (or quartzite??) 30m to east.
RH19463	RH	9-Aug-19	406898	6848089	1439	m	Foliation	005/42E	Fol granodiorite	west side of large 25m + outcrop of fol grd, crosscut by pink aplite dykes, near horizontal and 285/35N, </=0.3m thick.

Station	Geologist	Date	East	North	Elev	m	Structure Type	Strike-Dip	Rock Type	Description
RH19464	RH	9-Aug-19	408079	6848117	1282	m				rounded river boulders and ash near low pass.
RH19465	RH	10-Aug-19	404115	6850655	1418	m			granite	scree on NW side of pass - saddle. Equigranular 'granite', <5%bleached weathered biot., 1-3mm QFB crystals.
RH19466	RH	10-Aug-19	403416	6851063	1449	m			granite	granite float x-cut by narrow grey irregular qtz veinlets +/- tr py and FeOx. Veinlets look like late stage phase of granite.
RH19467	RH	10-Aug-19	402918	6851534	1452	m			granite	granite scree, few minor qtz veins - veinlets +/- py. Some pieces almost greisen like.
RH19468	RH	10-Aug-19	402895	6851718	1455	m			granite	Qtx boulder train, <0.7m size size, tr py.
RH19469	RH	10-Aug-19	403398	6851909	1427	m			granite	On N side of hill, scree of granite to west and shrub - grass covered scree to east. Station near R block boundary.
RH19470	RH	10-Aug-19	405325	6850186	1422	m	contact?	340	Qtz porph	On NE margin of QP porphyry felsenmeer subcrop and blocky float. Continuous QP from pass to west and from R block peak (see GPS track). Area to E is recessive and is only area for mineralization to hide - under cover.
RH19471	RH	10-Aug-19	405389	6850334	1403	m			andesite	On andesite, very near QP to south from stn 471 to 421 is approx andesite - QP contact. Sea of green bog to NW downslope to L2700N.
RH19472	RH	10-Aug-19	405468	6850434	1398	m	Foliation	182/38SW	andesite	on spine of weakly prop alt - fractured magnetic feld porphyritic andesite. o/c trends 343 deg.
RH19473	RH	10-Aug-19	405447	6850503	1395	m			andesite	at NW end of andesite spine from station 472 and scree /float at 345 deg.
RH19474	RH	10-Aug-19	405486	6850566	1380	m			alaskite/aplite	three types of float; fol GRD. Pick weathering aplite - alaskite and fled porphyritic andesite, the last likely from upslope. Likely alaskite - fol GRD contact zone.
RH19475	RH	10-Aug-19	405497	6850586	1377	m			Qtz porph	pink weathering pink qtz-porphyry extends abot 50m to NW and 25m E. Slope steepens to NW and E on 'margin' of Qtz porphyry.
RH19476	RH	10-Aug-19	405611	6850509	1375	m			QFB schist	Mixed float and subcrop of QFB schist and Qtz porphyry - alaskite. Recessive zone from station 475 to 476.
RH19477	RH	10-Aug-19	405590	6850448	1384	m	Foliation	298/40N	QFB schist	NW end of 25m long outcrop of QFB schist, at SW end of outcrop is fresh feldspar phyric andesite. Aplite - QP approx 10m to ENE.
RH19478	RH	10-Aug-19	405508	6850378	1399	m			andesite	O/C, fresh, weakly propylitic altered feld phyric andesite.

	Taut 2019 XRF Samples															
	All coordinates; Grid: UTM, Datum: NAD 83 Zone 8V															
Station	E	N	Elev	Date	Sample	Reading No	Duration	Units	Mo	Mo Error	Zr	Zr Error	Sr	Sr Error	U	U Error
65701					65701	1106	30.14	ppm	LOD	7.09	177.46	11.46	506.21	14.11	LOD	15.76
65701					65701	1107	30.14	ppm	LOD	9.23	33.11	9.53	175.25	11.77	LOD	17.18
65701					65701	1108	30.12	ppm	LOD	6.7	129.78	9.18	230.63	9.35	LOD	12.47
1961001					1961001	1101	30.12	ppm	LOD	6.64	161.65	10.25	382.58	11.76	LOD	11.56
1961002					1961002	1102	30.12	ppm	LOD	6.74	133.5	10.03	428.08	12.59	LOD	11.96
1961003					1961003	1103	30.12	ppm	LOD	7.27	158.17	10.81	285.6	11.21	LOD	11.78
1961004					1961004	1104	30.15	ppm	LOD	6.44	97.13	7.8	141.56	7.16	LOD	10.63
1961005					1961005	1105	30.12	ppm	LOD	6.79	133.69	9.81	290.24	10.75	LOD	12.47
1961006	405402	6848803	1505	8/7/2019	1961006	1119	30.13	ppm	LOD	6.72	126.9	9.07	247.83	9.55	LOD	10.25
1961007	405425	6848758	1498	8/7/2019	1961007	1118	30.07	ppm	7.35	4.45	130.7	9.06	269.55	9.75	12.62	7.68
1961008	405455	6848723	1488	8/7/2019	1961008	1117	30.14	ppm	LOD	6.6	140.11	10.25	519.91	13.52	LOD	11.72
1961009	405482	6848676	1486	8/7/2019	1961009	1116	30.1	ppm	8	4.19	89.64	7.67	229.81	8.62	LOD	10.34
1961010	405504	6848632	1485	8/7/2019	1961010	1115	30.13	ppm	LOD	6.37	137.05	9.4	360.92	11.06	LOD	11.53
1961011	405528	6848589	1483	8/7/2019	1961011	1114	30.12	ppm	LOD	6.4	129.47	8.8	270.16	9.5	LOD	10.24
1961012	405550	6848543	1480	8/7/2019	1961012	1120	30.14	ppm	LOD	6.52	106.89	8.65	302.08	10.22	LOD	11.24
1961013	405575	6848497	1478	8/7/2019	1961013	1121	30.13	ppm	LOD	6.49	87.38	8.33	291.19	10.2	LOD	10.49
1961014	405604	6848456	1474	8/7/2019	1961014	1122	30.12	ppm	LOD	6.52	113.36	8.86	292.18	10.18	LOD	11.28
1961015	405630	6848415	1473	8/7/2019	1961015	1123	30.14	ppm	LOD	6.35	115.18	8.98	348.31	10.91	LOD	11.69
1961016	405659	6848373	1472	8/7/2019	1961016	1124	30.14	ppm	LOD	6.52	59.48	7.98	345.88	11.11	LOD	11.31
1961017	405691	6848329	1470	8/7/2019	1961017	1125	30.13	ppm	LOD	6.2	84.11	8.07	326.02	10.34	LOD	11.55
1961018	405723	6848292	1471	8/7/2019	1961018	1126	30.12	ppm	LOD	6.52	111.91	8.95	313.08	10.59	LOD	11.74
1961019	405763	6848257	1471	8/7/2019	1961019	1127	30.14	ppm	LOD	6.98	207.27	11	231.01	9.63	LOD	11.66
1961020	405807	6848238	1475	8/7/2019	1961020	1128	30.14	ppm	LOD	7.05	154.91	10.44	295.23	11.03	LOD	12.24
1961021	405782	6848195	1476	8/7/2019	1961021	1137	30.13	ppm	8.71	4.47	110.65	8.38	193.2	8.36	LOD	10.72
1961022	405754	6848156	1474	8/7/2019	1961022	1138	30.1	ppm	LOD	6.93	142.36	9.98	291.53	10.78	LOD	12.21
1961023	405727	6848117	1471	8/7/2019	1961023	1139	30.14	ppm	10.09	4.66	140.63	9.63	290.47	10.43	LOD	11.55
1961024	405695	6848073	1462	8/7/2019	1961024	1140	30.1	ppm	LOD	6.28	130.1	9.01	259.56	9.6	LOD	10.65
1961025	405651	6848043	1454	8/7/2019	1961025	1141	30.15	ppm	LOD	6.84	136.25	9.66	320.05	10.92	LOD	11.47
1961026	405466	6848254	1443	8/7/2019	1961026	1142	30.12	ppm	9.32	4.4	52.57	7.98	387.67	11.69	LOD	11.71
1961027	405324	6848477	1448	8/7/2019	1961027	1143	30.1	ppm	LOD	6.42	141.82	9.63	331.13	10.91	LOD	11
1961028	405268	6848570	1450	8/7/2019	1961028	1144	30.14	ppm	10.5	4.4	80.91	7.29	126.5	6.76	LOD	9.93
1961029	404059	6849722	1343	8/8/2019	1961029	1145	30.13	ppm	LOD	6.59	88.8	8.33	271.74	9.94	LOD	11.45
1961030	404133	6849788	1360	8/8/2019	1961030	1146	30.15	ppm	LOD	6.38	150.22	9.16	229.7	8.9	LOD	10.24
1961031	404210	6849840	1375	8/8/2019	1961031	1147	30.12	ppm	LOD	6.37	119.84	8.59	254.84	9.29	LOD	10.82
1961032	404273	6849927	1383	8/8/2019	1961032	1148	30.07	ppm	LOD	6.5	159.45	9.12	173.52	7.8	LOD	10.48
1961033	404336	6850002	1395	8/8/2019	1961033	1149	30.14	ppm	LOD	6.5	92.6	7.62	132.31	6.93	LOD	9.68
1961034	404411	6850072	1410	8/8/2019	1961034	1150	30.12	ppm	LOD	6.29	74.39	7.88	283.01	9.91	LOD	11.11
1961035	404492	6850139	1417	8/8/2019	1961035	1151	30.14	ppm	LOD	6.46	148.11	8.86	173.32	7.76	LOD	10.63
1961036	404533	6850165	1421	8/8/2019	1961036	1152	30.14	ppm	LOD	6.3	117.43	8.51	253.83	9.24	LOD	11.08
1961037	404563	6850203	1427	8/8/2019	1961037	1153	30.11	ppm	LOD	6.24	96.33	7.96	207.61	8.47	LOD	10.56
1961038	404596	6850244	1433	8/8/2019	1961038	1154	30.07	ppm	LOD	6.17	78.41	8.12	335.23	10.67	LOD	11.42
1961039	404637	6850272	1434	8/8/2019	1961039	1155	30.14	ppm	6.64	4.27	71.44	7.67	263.55	9.51	LOD	10.65
1961040	404633	6850221	1431	8/8/2019	1961040	1156	30.14	ppm	LOD	6.86	105.74	8.71	209.66	9.07	LOD	11.07
1961041	404649	6850173	1424	8/8/2019	1961041	1157	30.13	ppm	LOD	6.7	200.82	10.31	234.54	9.19	LOD	10.72
1961042	405827	6848288	1472	8/9/2019	1961042	1160	30.14	ppm	LOD	6.75	219.83	10.4	197.37	8.38	LOD	11.28

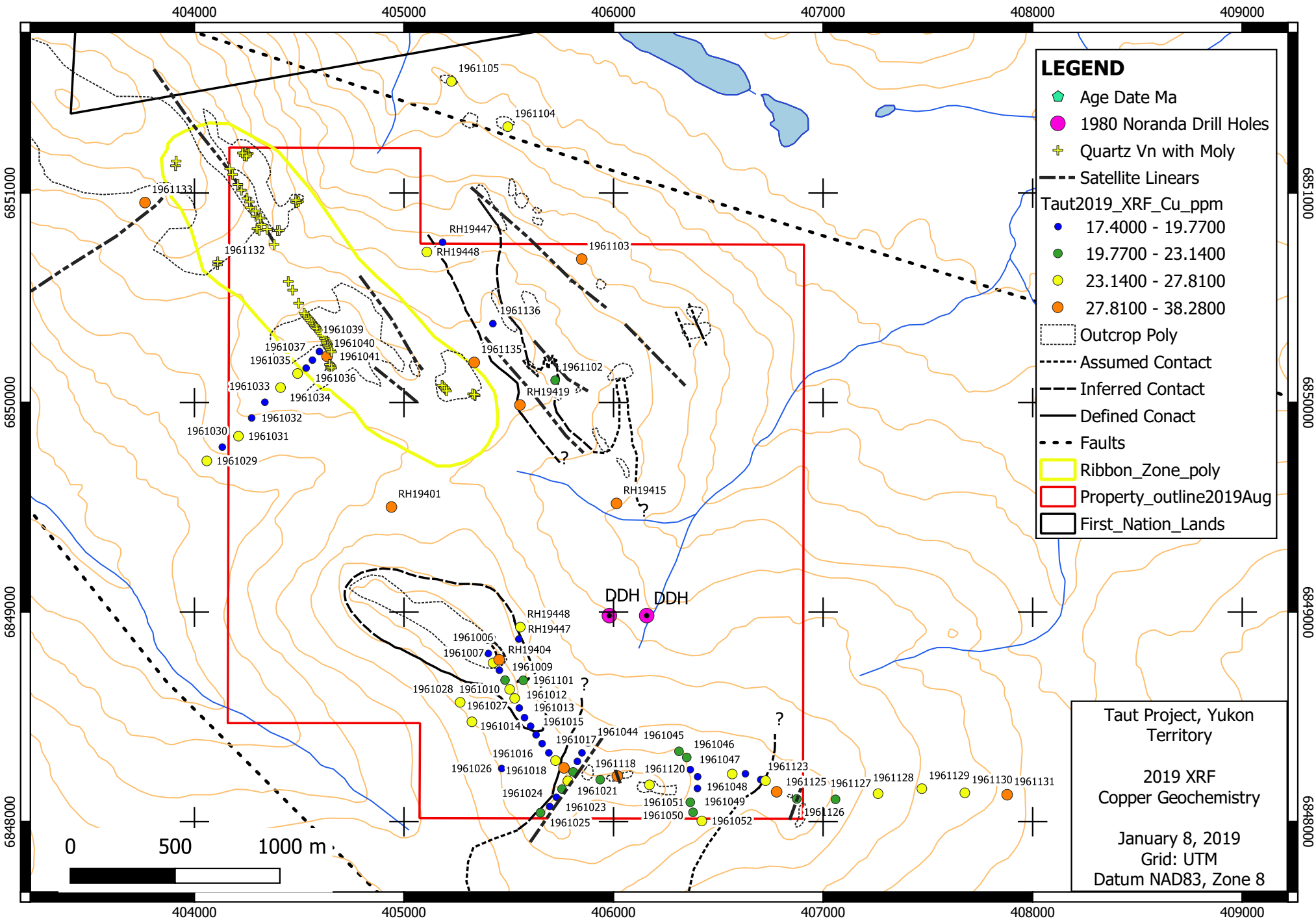
Station	Rb	Rb Error	Th	Th Error	Pb	Pb Error	Au	Au Error	Se	Se Error	As	As Error	Hg	Hg Error	Zn	Zn Error	W
65701	84.25	6.81	LOD	7.81	35.25	9.45	LOD	11.45	LOD	4.35	LOD	9.63	LOD	10.04	31.76	12.82	LOD
65701	36.82	6.69	LOD	11.12	LOD	14.24	LOD	18.84	LOD	6.52	LOD	11.34	LOD	17.22	49.66	21.3	LOD
65701	42.59	4.95	LOD	7.19	26.73	8.29	LOD	11.05	LOD	3.96	LOD	10.15	LOD	9.42	LOD	16.78	LOD
1961001	28.92	4.2	LOD	7.53	LOD	9.98	LOD	9.35	LOD	4.14	LOD	7.91	LOD	8.88	53.23	14.28	LOD
1961002	33.06	4.47	LOD	7.07	12.88	7	LOD	9.48	LOD	4	LOD	8.4	LOD	8.83	48.91	14.28	LOD
1961003	32.39	4.69	LOD	8.42	18.53	8.22	LOD	10.81	LOD	4.4	LOD	9.64	LOD	10.66	79.6	17.96	LOD
1961004	38.26	4.47	LOD	7.6	11.47	6.59	LOD	10.15	LOD	4	LOD	7.9	LOD	8.82	86.28	16.61	LOD
1961005	32.55	4.62	9.06	5.72	14.42	7.42	LOD	8.69	LOD	4.08	LOD	8.77	LOD	9.83	63.92	16.26	LOD
1961006	18.34	3.55	LOD	6.36	16	7.12	LOD	10.02	LOD	4.02	LOD	8.07	LOD	9.16	79.92	16.31	LOD
1961007	19.03	3.72	LOD	6.59	17.35	7.2	LOD	10.87	LOD	4.17	LOD	7.79	LOD	9.49	82.41	16.08	LOD
1961008	20.99	3.81	LOD	6.94	27.52	8.24	LOD	9.94	LOD	3.93	LOD	9.57	LOD	9.03	75.69	15.68	LOD
1961009	21.98	3.6	LOD	6.64	11.92	6.33	LOD	8.48	LOD	3.64	LOD	7.1	LOD	8	85.48	15.18	LOD
1961010	26.98	4.04	LOD	7.21	LOD	9.27	LOD	10.12	LOD	3.76	8.27	5.22	LOD	8.67	71.01	14.97	LOD
1961011	23.16	3.68	LOD	6.96	23.79	7.57	LOD	8.08	LOD	3.64	LOD	8.68	LOD	8.31	61.93	14.14	LOD
1961012	21.34	3.76	LOD	7.36	23.18	7.77	LOD	9.4	LOD	4.08	LOD	9.06	LOD	9.43	91.52	16.54	LOD
1961013	23.93	3.82	LOD	7.44	17.98	7.34	LOD	9.8	LOD	3.98	LOD	8.28	LOD	9.29	71.29	15.38	LOD
1961014	25.45	3.99	LOD	7.72	31.07	8.52	LOD	8.66	LOD	4.17	LOD	9.75	LOD	9.33	88.51	16.75	LOD
1961015	29	4.16	LOD	7.48	29.97	8.26	LOD	10.37	LOD	3.98	LOD	9.61	LOD	9.15	71.48	15.29	LOD
1961016	30.58	4.22	LOD	7.36	12.64	6.84	LOD	8.54	LOD	3.97	LOD	8.51	LOD	9.63	57.66	14.43	LOD
1961017	31.24	4.16	LOD	6.74	11.09	6.4	LOD	8.75	LOD	3.86	LOD	7.23	LOD	8.84	65.25	14.12	LOD
1961018	31.02	4.31	LOD	6.81	36.4	8.97	LOD	9.67	LOD	4.25	LOD	10.13	LOD	8.78	106.74	17.92	LOD
1961019	29.38	4.38	LOD	8.71	33.95	9.32	LOD	9.29	LOD	4.44	LOD	10.39	LOD	10.27	87.91	17.76	LOD
1961020	26.65	4.37	LOD	9.68	98.21	13.97	LOD	10.62	LOD	4.45	LOD	16.35	LOD	10.93	147.23	21.88	LOD
1961021	19.59	3.66	LOD	7.6	65.65	10.98	LOD	9.41	LOD	3.99	13.64	8.93	LOD	9.01	98.11	17	LOD
1961022	32	4.56	LOD	7.49	26.33	8.72	LOD	10.73	5.62	3.45	12.15	7.29	LOD	10.21	92.29	18	LOD
1961023	30.77	4.35	LOD	7.23	27.11	8.27	LOD	10.42	LOD	3.66	LOD	10.32	LOD	8.44	73.24	15.94	LOD
1961024	30.52	4.13	LOD	6.13	26.23	7.93	LOD	8.04	LOD	3.68	LOD	9.31	LOD	9.12	52.96	14.17	LOD
1961025	31.22	4.34	LOD	7.29	15.85	7.24	LOD	10	LOD	3.89	LOD	9.05	LOD	9.78	56.61	14.99	LOD
1961026	35.68	4.47	LOD	7.3	25.86	8	LOD	9.95	LOD	3.63	LOD	9.19	LOD	9.05	78.74	15.83	LOD
1961027	25.63	3.97	LOD	6.77	18.99	7.49	LOD	9.2	LOD	4.17	LOD	8.28	LOD	9.05	56.08	14.11	LOD
1961028	25.65	3.83	LOD	7.26	51.84	9.87	LOD	9.85	LOD	3.92	LOD	11.65	LOD	9.42	162.14	20.86	LOD
1961029	28.93	4.2	LOD	6.91	LOD	9.32	LOD	8.98	LOD	3.69	LOD	7.23	LOD	9.18	32.82	12.28	LOD
1961030	24.4	3.78	LOD	7.25	10.13	6.42	LOD	9.1	LOD	4.21	LOD	7.66	LOD	8.94	32.48	12.27	LOD
1961031	29.94	4.07	LOD	6.51	9.58	6.19	LOD	9.36	LOD	3.73	LOD	7.65	LOD	8.86	35.11	12.19	LOD
1961032	23.99	3.8	LOD	6.8	LOD	9.05	LOD	9.62	LOD	3.63	LOD	7.26	LOD	8.85	33.46	12.24	LOD
1961033	16.96	3.36	LOD	6.62	LOD	8.35	LOD	8.45	LOD	3.99	8.98	4.91	LOD	9.31	17.04	10.8	LOD
1961034	31.68	4.21	LOD	6.9	12.35	6.6	LOD	9.22	LOD	3.69	LOD	7.93	LOD	8.86	26.76	11.4	LOD
1961035	29.59	4.05	LOD	6.73	10.23	6.4	LOD	8.37	LOD	4.15	LOD	7.77	LOD	8.68	32.97	12.01	LOD
1961036	42.44	4.58	LOD	7.13	15.32	6.85	LOD	9.78	LOD	3.87	LOD	7.93	LOD	8.93	26.62	11.23	LOD
1961037	26.18	3.89	LOD	6.65	13.68	6.7	LOD	8.51	LOD	4.03	LOD	7.45	LOD	9.16	18.11	10.77	LOD
1961038	35.65	4.38	LOD	6.12	13.69	6.63	LOD	8.95	LOD	3.5	LOD	7.48	LOD	8.57	25.24	11.17	LOD
1961039	36.26	4.32	LOD	7.09	LOD	9.18	LOD	9.42	LOD	3.88	LOD	7.19	LOD	9.03	34.08	12.08	LOD
1961040	36.41	4.59	LOD	7.22	LOD	9.63	LOD	10.28	LOD	3.94	LOD	7.86	LOD	9.31	32.28	12.7	LOD
1961041	32.07	4.24	LOD	7.23	14.19	6.92	LOD	10.03	LOD	4.02	LOD	7.61	LOD	8.9	34.71	12.53	LOD
1961042	42.12	4.68	LOD	7.26	21.65	7.55	LOD	9.72	LOD	3.77	LOD	8.56	LOD	9.51	65.31	15.05	LOD

Station	W Error	Cu	Cu Error	Ni	Ni Error	Co	Co Error	Fe	Fe Error	Mn	Mn Error
65701	70.22	LOD	26.64	LOD	54.87	LOD	92.51	6043.02	221.15	116.64	57.1
65701	113	LOD	50.03	LOD	86.51	LOD	159.67	9033.45	375.1	154.61	87.64
65701	61.67	LOD	25.35	LOD	55.27	LOD	175.89	25864.84	440.04	104.72	62.99
1961001	62.32	LOD	26.43	LOD	53.15	LOD	141.43	15222.59	333.3	242.83	70.09
1961002	63	LOD	27.6	LOD	55.8	LOD	155.1	18598.2	373.55	786.76	107.11
1961003	74.26	LOD	31.21	LOD	64.54	LOD	152.3	13963.08	351.22	432.78	91.46
1961004	62.88	45.34	19.22	LOD	54.62	171.59	108.92	20609.28	380.25	367.64	78.76
1961005	69.86	59.43	22.01	LOD	53.98	LOD	166.21	19737.93	396.51	497.13	92.34
1961006	65.96	36.07	19.27	LOD	56.39	179.68	92.12	13429.24	314.33	314.4	73.65
1961007	63.14	LOD	25.82	LOD	53.76	149.8	88.37	13047.88	303.54	230.61	66.19
1961008	59.69	33.65	18.55	LOD	53.19	136.62	89.55	13347.08	309.09	220.43	65.81
1961009	53.81	LOD	22.29	LOD	49.12	144.42	77.66	10838.75	264.7	424.89	75.47
1961010	59.53	LOD	25.26	LOD	52.86	159.04	87.5	13126.63	299.89	264.72	67.94
1961011	57.7	LOD	24.47	LOD	49.43	LOD	129.52	14181.02	307.95	209.93	62.68
1961012	58.36	30.14	17.88	LOD	52.65	LOD	141.21	15861.81	331.78	399.41	79.25
1961013	62.92	39.68	19.13	LOD	53.44	LOD	123.24	11367.02	285.78	207.77	63.53
1961014	67.79	39.85	18.99	LOD	51.24	LOD	133.08	13186.08	306.5	248.05	67.45
1961015	66.04	45.75	19.07	LOD	53.38	LOD	125.3	12167.53	290	328.87	72.44
1961016	66.17	39.15	19.1	LOD	51.31	LOD	107.22	8770.69	252.18	282.77	68.73
1961017	57.53	35.82	17.57	LOD	48.35	115.66	71.17	8818.82	241.88	171.71	56.92
1961018	62.28	LOD	27.19	LOD	53.31	LOD	150.84	17395.93	353.46	322.09	75.59
1961019	69.92	LOD	28.58	LOD	59.93	LOD	160.67	17507.85	373.24	362.1	83.07
1961020	70.59	42.74	21.56	LOD	61.93	LOD	165.25	18465.91	389.84	346.52	82.63
1961021	62.93	LOD	26.77	LOD	51.61	139.83	74.93	8850.12	252.61	510.61	84.94
1961022	70.63	38.67	20.77	LOD	60.06	LOD	145.11	14199.49	337.17	499.22	91.49
1961023	62.82	36.9	19.55	LOD	55.57	166.31	96.18	14577.71	330.92	352.5	78.32
1961024	64.64	34.58	18.68	LOD	57.62	196.44	98.03	15978.65	336.22	197.51	65.69
1961025	67.28	54.05	20.83	LOD	56.34	LOD	147.24	15973.42	345.87	356.29	79.16
1961026	63.17	38.6	18.92	LOD	51.35	LOD	113.88	10039.93	268.36	375.26	75.5
1961027	62.61	LOD	25.5	LOD	50.72	LOD	106.88	8080.28	242.63	170.76	58.72
1961028	63.35	LOD	25.1	LOD	50.98	195.02	112.02	22010.76	390.37	336.75	76.7
1961029	64.12	LOD	26.98	LOD	53.6	143.19	75.59	8801.73	253.99	243.13	66.02
1961030	65.87	27.63	17.72	LOD	54.43	LOD	131.23	13480.65	304.15	186.91	61.71
1961031	63.22	LOD	23.69	LOD	51.03	LOD	119.22	11649.54	280.89	231.24	64.2
1961032	58.28	29.6	17.65	LOD	51.35	220.06	98.57	16531.06	336.85	182.47	63.16
1961033	62.01	27.46	17.81	LOD	50.84	228.23	90.6	13209.81	304.45	125.39	56.78
1961034	62.14	LOD	24.79	LOD	50.75	LOD	106.05	8765.06	247.77	204.19	61.08
1961035	60.7	LOD	24.72	LOD	50.64	197.35	87.23	12753.84	295.13	250.72	65.68
1961036	58.92	34.5	17.68	LOD	48.46	LOD	113.35	9998.22	259.43	172.85	57.8
1961037	65	28.56	17.59	LOD	48.31	LOD	112.64	9600.6	257.07	188.95	59.5
1961038	59.63	32.42	17.83	LOD	49.98	LOD	109.81	9452.77	255.01	306.4	69.7
1961039	60.99	LOD	25.52	LOD	48.1	LOD	114.52	10206.35	265.19	247.04	65.09
1961040	65.19	LOD	28.28	LOD	53.57	182.33	83.64	9991.73	279.33	171.64	62.12
1961041	66.59	LOD	25.65	LOD	48.69	132.4	75.72	9097.55	256.12	239.25	64.88
1961042	66.35	44.95	19.33	LOD	57.08	254.47	94.16	14217.71	316.04	282.6	70.17

Station	E	N	Elev	Date	Sample	Reading No	Duration	Units	Mo	Mo Error	Zr	Zr Error	Sr	Sr Error	U	U Error
1961043	405849	6848329	1464	8/9/2019	1961043	1161	30.13	ppm	LOD	6.42	126.96	8.46	181.11	7.91	LOD	10.63
1961044	405879	6848381	1453	8/9/2019	1961044	1162	30.14	ppm	LOD	6.88	150.09	9.43	194.56	8.6	LOD	11.63
1961045	406312	6848336	1451	8/9/2019	1961045	1163	30.14	ppm	LOD	5.98	96.94	7.49	201.94	7.88	LOD	9.68
1961046	406349	6848307	1453	8/9/2019	1961046	1164	30.14	ppm	LOD	7.03	155.34	10.35	334.5	11.46	LOD	12.18
1961047	406366	6848249	1455	8/9/2019	1961047	1165	30.13	ppm	LOD	6.25	125.98	8.35	226.53	8.52	LOD	9.91
1961048	406401	6848215	1453	8/9/2019	1961048	1166	30.13	ppm	LOD	6.36	94.59	7.91	221.33	8.65	LOD	10.18
1961049	406400	6848159	1450	8/9/2019	1961049	1167	30.13	ppm	LOD	6.52	128.48	9.18	280.5	10.07	LOD	11.22
1961050	406366	6848093	1449	8/9/2019	1961050	1168	30.12	ppm	LOD	7.42	104.62	9.77	288.96	11.4	LOD	13.03
1961051	406379	6848045	1444	8/9/2019	1961051	1169	30.11	ppm	7.78	4.83	104.43	9.44	294.34	11.1	LOD	12.04
1961052	406421	6848004	1436	8/9/2019	1961052	1170	30.14	ppm	LOD	6.52	127.03	8.84	214.8	8.82	LOD	11.87
1961101	405569	6848675	1402	7-Aug-19	1961101	1100	30.14	ppm	LOD	7.22	124.05	10.45	351.58	12.48	LOD	12.55
1961102	405721	6850107	1402	7-Aug-19	1961102	1135	30.09	ppm	LOD	6.96	121.07	9.04	148.61	7.91	LOD	13.46
1961103	405848	6850685	1313	7-Aug-19	1961103	1129	30.14	ppm	LOD	6.82	129.04	9.55	236.17	9.81	LOD	12.25
1961104	405495	6851317	1248	7-Aug-19	1961104	1130	30.14	ppm	LOD	6.47	94.46	9.1	428.92	12.36	LOD	10.93
1961105	405226	6851533	1227	7-Aug-19	1961105	1131	30.15	ppm	LOD	7.73	170.25	12.35	471.08	14.98	LOD	15.36
1961118	405936	6848201	1489	9-Aug-19	1961118	1171	30.08	ppm	LOD	7.23	155.9	10.36	234.24	10.02	LOD	11.87
1961119	406018	6848218	1490	9-Aug-19	1961119	1172	30.14	ppm	LOD	7	366.35	13.41	245.83	9.77	LOD	10.81
1961120	406171	6848176	1488	9-Aug-19	1961120	1173	30.13	ppm	LOD	6.2	99.81	7.55	114.35	6.34	LOD	8.92
1961121	406566	6848228	1435	9-Aug-19	1961121	1174	30.12	ppm	LOD	6.78	243.11	11.15	265.39	9.78	LOD	11.34
1961122	406629	6848229	1434	9-Aug-19	1961122	1175	30.15	ppm	LOD	6.86	139.61	9.49	242.46	9.64	LOD	10.97
1961123	406702	6848201	1429	9-Aug-19	1961123	1176	30.13	ppm	LOD	6.89	201.71	10.72	226.72	9.42	LOD	11.5
1961124	406725	6848196	1432	9-Aug-19	1961124	1177	30.14	ppm	LOD	6.75	191.57	10.49	198.68	8.89	LOD	11.33
1961125	406778	6848143	1432	9-Aug-19	1961125	1178	30.12	ppm	LOD	7.08	171.47	10.88	314.04	11.42	LOD	12.44
1961126	406874	6848109	1439	9-Aug-19	1961126	1179	30.11	ppm	LOD	7.05	189.89	10.52	176.55	8.53	LOD	11.2
1961127	407059	6848107	1416	9-Aug-19	1961127	1180	30.14	ppm	LOD	7.06	328.31	13.09	393.65	12.07	LOD	11.79
1961128	407262	6848134	1392	9-Aug-19	1961128	1181	30.1	ppm	LOD	6.72	163.98	10.27	416.03	12.09	LOD	11.3
1961129	407471	6848158	1368	9-Aug-19	1961129	1182	30.12	ppm	LOD	6.72	134.3	10.68	547.8	14.42	LOD	12.44
1961130	407676	6848138	1344	9-Aug-19	1961130	1183	30.14	ppm	LOD	6.99	216.59	11.28	346.41	11.43	LOD	11.75
1961131	407878	6848129	1316	9-Aug-19	1961131	1184	30.09	ppm	LOD	7.21	185.84	11.67	475.72	13.87	LOD	13.42
1961132	404109	6850665	1426	10-Aug-19	1961132	1185	30.12	ppm	9.29	4.71	164.62	10.11	276.18	10.26	LOD	11.31
1961133	403764	6850955	1450	10-Aug-19	1961133	1186	30.12	ppm	LOD	6.82	148.99	9.69	264.56	9.97	LOD	11.28
1961134	402896	6851540	1449	10-Aug-19	1961134	1187	30.13	ppm	LOD	6.87	131.55	10.11	338.45	11.76	LOD	12.54
1961135	405335	6850192	1422	10-Aug-19	1961135	1188	30.13	ppm	LOD	7.99	164.89	12.24	405.08	14.19	LOD	14.92
1961136	405424	6850377	1399	10-Aug-19	1961136	1189	30.14	ppm	LOD	6.77	203.29	10.12	181.51	8.1	LOD	11.9
RH19401	404940	6849502	1404	5-Aug-19	RH19401	1112	30.15	ppm	LOD	7.07	14.64	6.61	173.35	8.96	LOD	14.05
RH19404	405454	6848773	1502	5-Aug-19	RH19404	1110	30.45	ppm	LOD	7.8	143.98	11.86	449.71	14.79	LOD	13.38
RH19407	405548	6848872	1457	5-Aug-19	RH19447	1132	30.09	ppm	13.52	4.68	171.61	9.83	234.36	9.23	LOD	11.68
RH19408	405555	6848929	1455	5-Aug-19	RH19448	1134	30.13	ppm	LOD	6.23	103.37	8.8	380.28	11.31	LOD	11.25
RH19415	406014	6849519		6-Aug-19	RH19415	1113	30.13	ppm	LOD	8.38	145.64	13.05	499.79	16.77	LOD	17.02
RH19419	405553	6849989	1405	6-Aug-19	RH19419	1111	30.12	ppm	LOD	7.47	149.64	12.39	575.79	16.55	LOD	15.56
RH19447	405184	6850765	1336	7-Aug-19	RH19447	1132	30.09	ppm	13.52	4.68	171.61	9.83	234.36	9.23	LOD	11.68
RH19448	405109	6850719	1348	7-Aug-19	RH19448	1134	30.13	ppm	LOD	6.23	103.37	8.8	380.28	11.31	LOD	11.25
galena rock					galena rock	1158	180	ppm	16.77	4.43	LOD	11.74	LOD	6.04	LOD	12.7
IP 2700 3500E					IP 2700 3500E	1136	30.13	ppm	LOD	6.01	101.39	7.68	196.05	7.9	LOD	9.81
moly rock					moly rock	1159	180	ppm	5493.93	29.03	LOD	6.92	LOD	3.19	LOD	7.24

Station	Rb	Rb Error	Th	Th Error	Pb	Pb Error	Au	Au Error	Se	Se Error	As	As Error	Hg	Hg Error	Zn	Zn Error	W
1961043	34.93	4.27	LOD	7.1	31.25	8.36	LOD	9.17	LOD	4.48	11.12	6.9	LOD	9.48	98.91	17.05	LOD
1961044	35.67	4.57	LOD	8.12	49.38	10.16	LOD	10.44	LOD	4.12	LOD	12.19	LOD	9.45	124.3	19.22	LOD
1961045	21.38	3.41	LOD	6.84	11.96	6.2	LOD	7.37	LOD	3.6	10.12	5.3	LOD	8.57	46.65	12.21	LOD
1961046	25.07	4.22	LOD	7.48	20.56	7.93	LOD	10.3	LOD	4.09	LOD	8.9	LOD	10.45	56.94	15.52	LOD
1961047	17.63	3.32	LOD	6.75	11.76	6.38	LOD	8.91	LOD	4.13	LOD	7.81	LOD	8.62	30.3	11.27	LOD
1961048	20.38	3.54	LOD	7.12	12.46	6.51	LOD	8.62	LOD	3.57	LOD	7.17	LOD	8.99	61.14	14.07	LOD
1961049	22.95	3.89	LOD	7.04	10.82	6.61	LOD	9.48	LOD	3.91	LOD	7.56	LOD	9.44	32.63	12.52	LOD
1961050	33.84	4.95	LOD	8.69	14.63	7.93	LOD	11.11	LOD	4.79	LOD	8.78	LOD	11.06	78.43	18.46	LOD
1961051	27.46	4.41	LOD	8.11	LOD	10.43	LOD	10.68	LOD	4.78	LOD	8.38	LOD	10.69	43.58	14.94	LOD
1961052	43.99	4.85	LOD	7.06	LOD	9.52	LOD	9.18	LOD	4.15	9.46	5.47	LOD	9.92	36.01	13.14	LOD
1961101	25.26	4.46	9.55	6.19	20.59	8.51	LOD	10.6	LOD	4.3	12.95	7.37	LOD	10.83	LOD	22.05	LOD
1961102	65.21	6.06	LOD	9.38	56.97	11.27	LOD	10.44	LOD	4.68	22.7	9.68	LOD	10.08	422.17	34.21	LOD
1961103	31.6	4.59	LOD	7.71	LOD	9.63	LOD	10.45	LOD	4.57	LOD	8.13	LOD	9.9	50.6	15.28	LOD
1961104	21.73	3.76	LOD	7.15	LOD	8.5	LOD	9.34	LOD	4.23	LOD	6.83	LOD	9.38	30.78	12.54	LOD
1961105	57.15	6.34	LOD	8.2	LOD	10.54	LOD	12.9	LOD	4.27	LOD	8.02	LOD	11.84	86.89	21.65	LOD
1961118	23.98	4.23	LOD	8.1	LOD	9.71	LOD	9.62	LOD	4.57	9.5	5.64	LOD	10.52	55.76	15.33	LOD
1961119	24.39	3.99	LOD	7.3	33.23	9.04	LOD	10.54	LOD	4.35	12.36	7.56	LOD	10.14	90.33	17.49	LOD
1961120	22.32	3.51	LOD	7.12	26.67	7.82	LOD	9.36	LOD	3.86	LOD	8.93	LOD	8.79	75.03	15.25	LOD
1961121	26.83	4.08	8.09	5.32	18.3	7.46	LOD	8.69	LOD	4.07	LOD	8.77	LOD	9.54	52.26	14.01	LOD
1961122	23.05	3.92	LOD	7.17	17.96	7.55	LOD	9.54	LOD	4.22	LOD	8.76	LOD	10.35	48.01	14.27	LOD
1961123	34.2	4.56	LOD	7.48	18.23	7.62	LOD	10.62	LOD	4.17	LOD	8.92	LOD	9.4	65.82	16.23	LOD
1961124	34.84	4.57	LOD	7.48	13.34	7.18	LOD	10.38	LOD	4.1	LOD	7.85	LOD	9.56	49.47	14.05	LOD
1961125	30.45	4.58	LOD	7.88	18.11	7.94	LOD	10.87	LOD	3.99	LOD	9.33	LOD	10.22	76.45	17.12	LOD
1961126	23.76	4.09	LOD	7.54	31.24	9.01	LOD	12.97	LOD	4.35	LOD	10.97	LOD	10.11	134.21	20.67	LOD
1961127	27.96	4.22	LOD	6.96	LOD	9.81	LOD	10.2	LOD	3.99	LOD	7.46	LOD	9.65	53.37	14.5	LOD
1961128	25.43	3.97	LOD	6.96	LOD	9.28	LOD	9.6	LOD	4.25	LOD	6.73	LOD	9.97	24.43	11.69	LOD
1961129	40.3	4.86	LOD	8.17	LOD	9.65	LOD	10.01	LOD	3.94	LOD	7.44	LOD	9.64	59.99	15.9	LOD
1961130	22.28	3.98	LOD	6.46	LOD	8.69	LOD	11.13	LOD	4.37	LOD	7.02	LOD	9.5	50.38	14.22	LOD
1961131	31.95	4.73	LOD	7.12	13.19	7.37	LOD	10.89	LOD	4.2	LOD	8.64	LOD	10.19	55.11	15.24	LOD
1961132	27.2	4.16	LOD	7.17	34.84	9.13	LOD	10.48	LOD	4.25	LOD	10.61	LOD	9.13	42.67	13.24	LOD
1961133	29.46	4.24	LOD	6.82	LOD	8.74	LOD	10.04	LOD	4.2	LOD	7.42	LOD	9.09	41.09	13.1	LOD
1961134	40.95	5.03	LOD	7.86	17.29	7.83	LOD	9.85	LOD	4.07	LOD	8.84	LOD	9.65	33.86	13.26	LOD
1961135	37.29	5.53	11.74	7.07	34.1	10.6	LOD	11.29	LOD	5.38	15.01	8.97	LOD	11.39	74.47	20.22	LOD
1961136	47.16	4.95	8.7	5.32	LOD	9.22	LOD	9.58	LOD	3.67	LOD	7.69	LOD	9.45	30.59	12	LOD
RH19401	66.72	6.41	LOD	8.24	14.29	7.91	LOD	11.45	LOD	4.61	LOD	9.21	LOD	10.6	135.99	21.8	LOD
RH19404	14.24	4.11	LOD	7.92	16.61	8.39	LOD	10.94	LOD	5.01	LOD	9.78	LOD	12.25	LOD	21.46	LOD
RH19407	48.15	5	LOD	7.92	34.62	8.79	LOD	11.54	LOD	3.56	LOD	10.12	LOD	9.34	90.97	17.21	LOD
RH19408	40.42	4.53	LOD	7.34	24.02	7.68	LOD	10.01	LOD	3.55	15.28	6.72	LOD	8.61	44.67	12.91	LOD
RH19415	47.59	6.49	LOD	10.17	21.87	10.02	LOD	13.41	LOD	5.64	LOD	11.01	LOD	13.67	59.86	19.64	LOD
RH19419	38.61	5.55	LOD	9.14	LOD	11.1	LOD	11.08	LOD	5.25	LOD	8.84	LOD	12.66	75.04	19.04	LOD
RH19447	48.15	5	LOD	7.92	34.62	8.79	LOD	11.54	LOD	3.56	LOD	10.12	LOD	9.34	90.97	17.21	LOD
RH19448	40.42	4.53	LOD	7.34	24.02	7.68	LOD	10.01	LOD	3.55	15.28	6.72	LOD	8.61	44.67	12.91	LOD
galena rock	12.57	5.59	383.9	50.71	24921.75	177.92	LOD	51.34	65	12.81	2408.75	141.79	33.93	12.48	161.79	21.45	LOD
IP 2700 3500E	24.6	3.63	LOD	5.97	11.25	6.06	LOD	8.61	LOD	3.44	LOD	7.07	LOD	8.24	19.11	10.55	LOD
moly rock	LOD	2.9	LOD	7.04	12.66	6.75	LOD	10.6	LOD	4.74	LOD	8.02	LOD	9.52	16.82	9.86	LOD

Station	W Error	Cu	Cu Error	Ni	Ni Error	Co	Co Error	Fe	Fe Error	Mn	Mn Error
1961043	65.46	36.9	18.16	LOD	53.79	361.28	98.85	15636.85	326.03	448.12	81.09
1961044	62.83	50.25	20.39	LOD	52.17	175.08	90.91	12790.12	309.79	371.14	78.89
1961045	54.59	LOD	23.14	LOD	45.59	167.06	74.58	10341.54	251.21	234.92	60.33
1961046	70.96	48.54	21.29	LOD	59.2	189.53	103.82	16137.13	357.08	428.87	85.57
1961047	58.69	43.63	17.84	LOD	51.33	212.31	75.33	9610.09	248.41	408.66	74.4
1961048	56.61	31.27	17.4	LOD	46.9	180.8	85.89	12689.89	292.11	385.8	75.9
1961049	62.35	45.5	19.66	LOD	53.54	LOD	136.26	13999.48	318.47	361.57	77.39
1961050	80.34	39.3	22.89	LOD	65.32	LOD	168.64	17046.66	392.16	566.39	102.73
1961051	77.81	46.6	22.2	LOD	61	LOD	145.89	13451.94	336.35	375.93	84.04
1961052	69.06	LOD	26.73	LOD	52.71	167.58	99.19	16427.4	343.26	415.33	82.39
1961101	73.29	47.11	23.06	LOD	66.81	LOD	257.3	41872.43	608.94	284.79	91.66
1961102	72.15	51.55	21.87	LOD	59.13	406.3	134.45	25614.72	456.43	498.36	95.86
1961103	69.9	LOD	30.42	88.75	43.53	LOD	175.76	22013.46	422.09	628.41	101.93
1961104	60.93	LOD	26.59	LOD	55.7	LOD	160.77	19690.16	376.34	238.89	70.21
1961105	84.18	40.67	24.13	LOD	78.53	521.57	214.72	58785.99	751.1	1057.62	147.03
1961118	66.96	34.56	21.4	LOD	61.41	262	84.2	8386.22	268.47	262.27	74.13
1961119	67.74	LOD	28.66	LOD	55.27	247.81	95.23	13069.69	318.37	463.31	87.03
1961120	60.3	LOD	25.34	LOD	50.4	LOD	139.84	15737.72	326.25	1074.57	113.84
1961121	64.78	LOD	25.99	LOD	53.32	159.16	83.85	11234.7	284.82	343.85	74.6
1961122	68.68	36.38	19.77	LOD	55	176.93	88.72	11784.1	300.85	567.6	92.47
1961123	68.9	29.39	19.34	LOD	54.82	207	119.11	22138.34	414.51	641.98	101.49
1961124	64.19	LOD	27.81	LOD	55.21	252.42	73.29	6487.85	227.29	203.05	64
1961125	61.58	LOD	29.77	LOD	63.42	289.89	117.88	19328.76	400.85	406.54	88.72
1961126	68.19	35.88	20.64	LOD	59.27	230.89	98.78	13669.4	332.61	265.46	73.54
1961127	68.2	47.14	20.33	LOD	56.28	289.43	84.69	9838.41	272.23	349.37	76.53
1961128	67.47	LOD	26.83	LOD	50.18	252.23	77.7	8697.74	249.87	362.24	74.72
1961129	67.25	LOD	27.15	LOD	59.41	LOD	191.67	26915.03	455.21	642.53	102.33
1961130	64.21	LOD	25.5	LOD	53.72	250.36	91.08	11971.24	301.86	210.5	66.42
1961131	67.95	LOD	29.13	LOD	56.77	LOD	127.27	11172.36	303.57	362.6	80.86
1961132	54.9	32.32	19.36	LOD	55.82	188.31	88.53	11659.75	298.52	283.07	71.68
1961133	60.2	LOD	28.18	LOD	54.75	188.58	82.42	10001.52	274.75	257.55	69.04
1961134	63.95	35.64	20.85	LOD	59.97	163	93.66	12372.18	319.57	334.87	80.11
1961135	84.86	82.67	27.99	LOD	70.14	LOD	251.42	36067.43	599.93	346.41	99.35
1961136	59.74	27.98	17.86	LOD	50.87	242.56	87.84	11988.75	291.83	203.79	63.41
RH19401	69.62	LOD	29.43	LOD	57.62	LOD	128.1	11239.86	319.98	307.23	81.17
RH19404	82.39	LOD	34.98	85.73	51.81	LOD	412.93	108263.68	1027.86	279.64	118.63
RH19407	61.51	33.71	18.67	LOD	56.64	316.82	119.64	23259.35	409.54	563.26	93.25
RH19408	58.7	LOD	23.9	LOD	52.95	131.88	86.95	13291.33	300.52	227.61	65.01
RH19415	89.59	LOD	38.28	LOD	80.96	LOD	223.08	25155.84	535.55	768.85	133.47
RH19419	81.45	LOD	33.93	LOD	67.78	LOD	184.65	20708.16	447.51	695.04	116.18
RH19447	61.51	33.71	18.67	LOD	56.64	316.82	119.64	23259.35	409.54	563.26	93.25
RH19448	58.7	LOD	23.9	LOD	52.95	131.88	86.95	13291.33	300.52	227.61	65.01
galena rock	79.55	38.56	24.53	LOD	64.26	LOD	110.97	11498.76	277.83	LOD	79.85
IP 2700 3500E	59.49	LOD	22.76	LOD	48.21	295.28	94.54	15958.47	316.94	309.96	68.81
moly rock	60	LOD	24.48	LOD	55.8	LOD	27.36	93.66	42.55	LOD	54.7


404000
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LEGEND
Age Date Ma
1980 Noranda Drill Holes
Quartz Vn with Moly
Satellite Linears
Taut2019_XRF_Cu_ppm
17.4000 - 19.7700
19.7700 - 23.1400
23.1400 - 27.8100
27.8100 - 38.2800
Outcrop Poly
Assumed Contact
Inferred Contact
Defined Conact
Faults
Ribbon_Zone_poly
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Taut Project, Yukon Territory
2019 XRF
Copper Geochemistry
January 8, 2019
Grid: UTM
Datum NAD83, Zone 8
0
500
1000 m
DDH
DDH
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1961104
1961133
1961132
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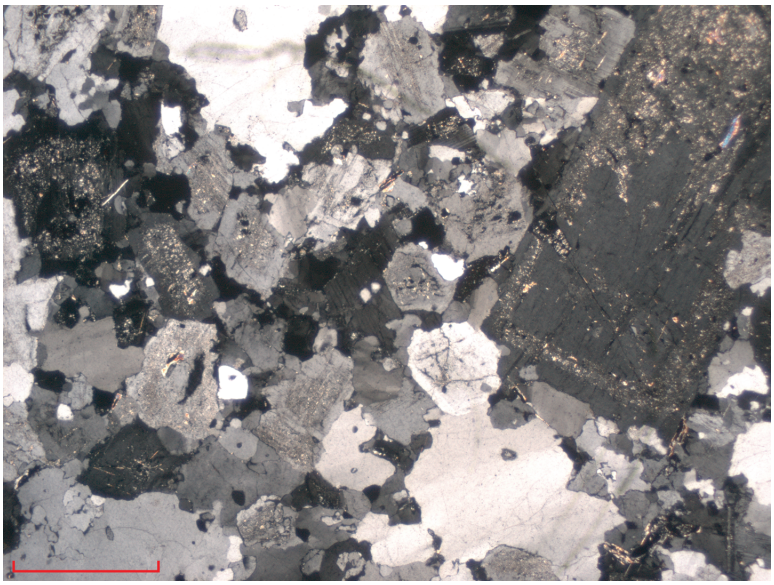
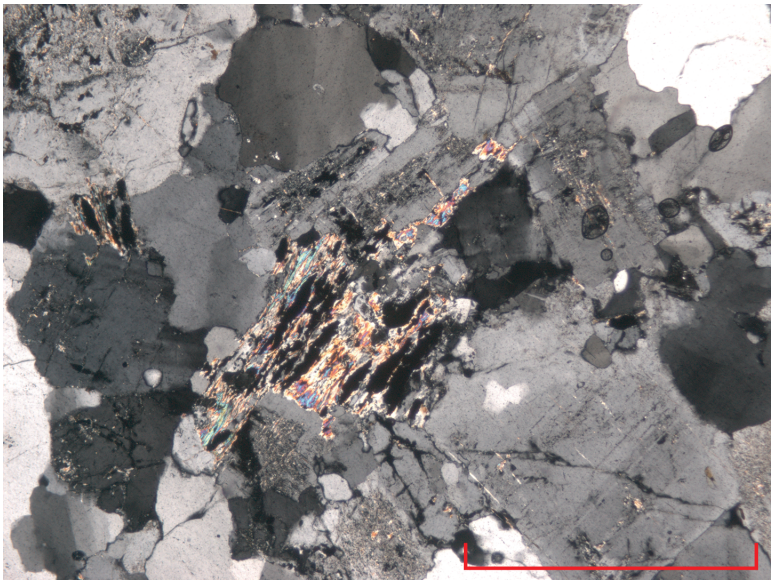
T1

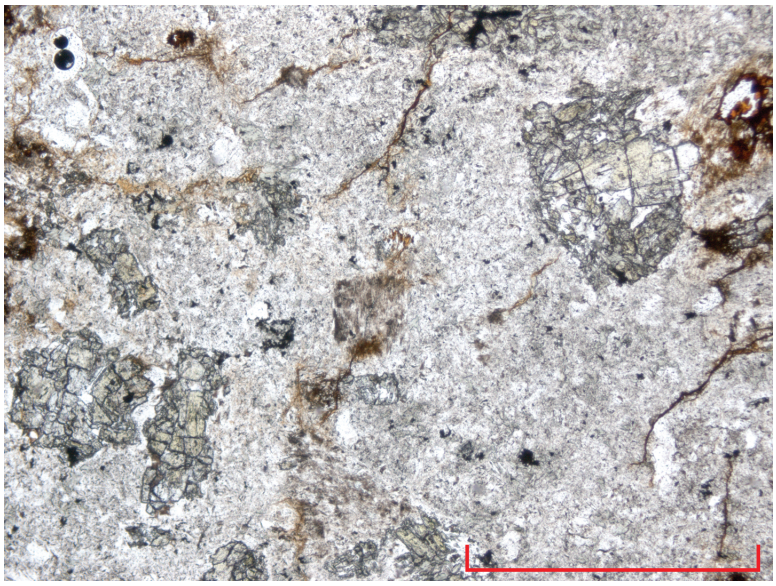


This is a one-mica monzogranite. It has euhedral to anhedral orthoclase (< 5mm), anhedral plagioclase mostly < 1mm, quartz < 1mm, interstitial to the feldspars, also somewhat strained with remnants of ferromagnesians now altered to white mica and opaques - probably originally biotite. The K-feldspar is predominant over plagioclase (60-40). Quartz occupies about 25% of the rock. No apatite or zircon were noted. Only slight sericitization of plagioclase is seen.

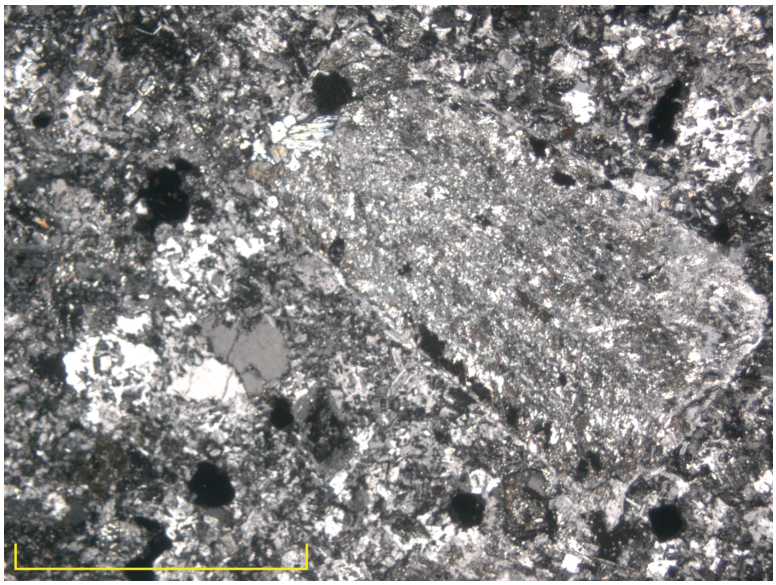


Highly altered (?) biotite.

T2



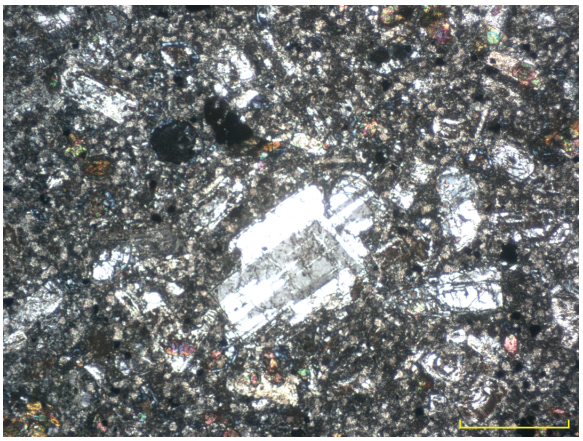
Altered ferromagnesians.



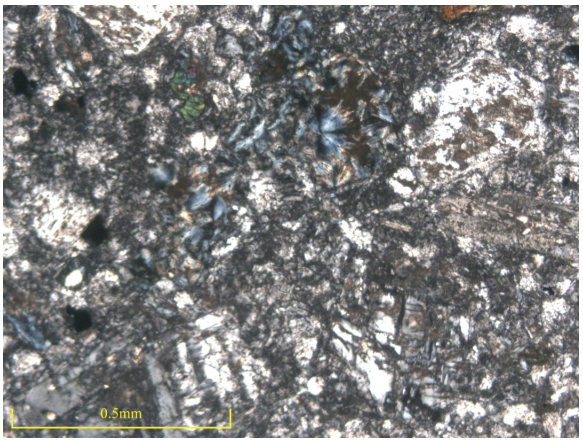
Altered feldspar with chloritic groundmass.

This is an epidote altered granitoid. It is rather weathered. The original texture is not readily evident. K-feldspar phenocrysts (< 2mm) are found in a ‘groundmass’ of anhedral quartz (< 0.5mm) and granophyric intergrowths. Clusters of anhedral epidote typically 1mm across are seen every few mm and are interpreted as altered ferromagnesians. Anhedral opaques are clustered in 2mm ‘clumps’- obviously pyrite. Total sulphide is, however, < 1%. The rock may have been a porphyry.

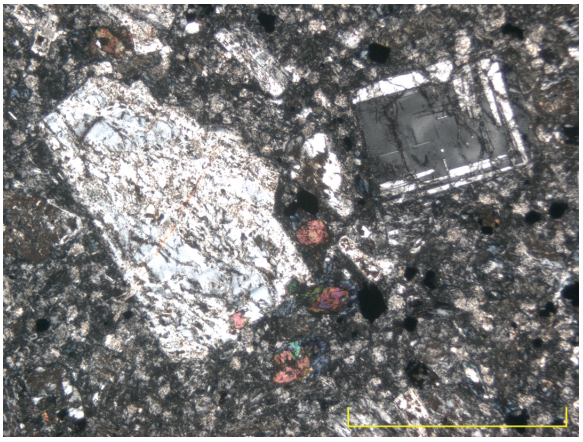
T3



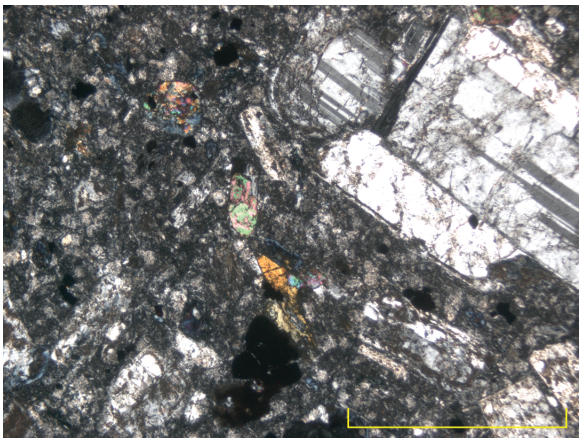
A slightly epidote-chlorite altered porphyry with a little pyrite mineralization. This porphyry is probably of dacitic composition. Both orthoclase and plagioclase form phenocrysts 0.5 - 3mm long. About 40% of the volume is groundmass, now 0.1mm anhedral feldspar and quartz grains. Epidote is commonly in crystals to 0.3mm long, with smaller anhedral forms, about 2% of the bulk. Occasional chlorite is seen in the groundmass. Pyrite 2%, is present as 0.1 - 0.2mm subhedral crystals.



Chlorite in the groundmass.

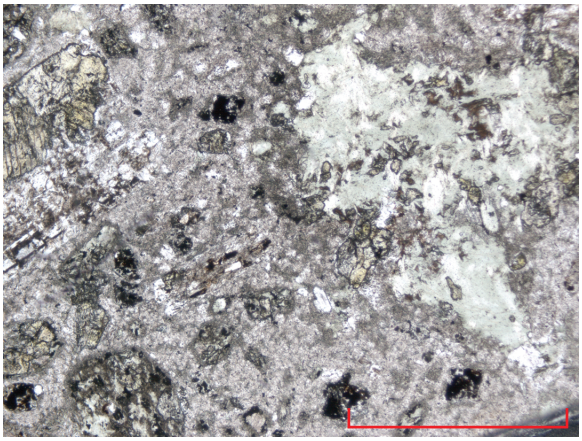


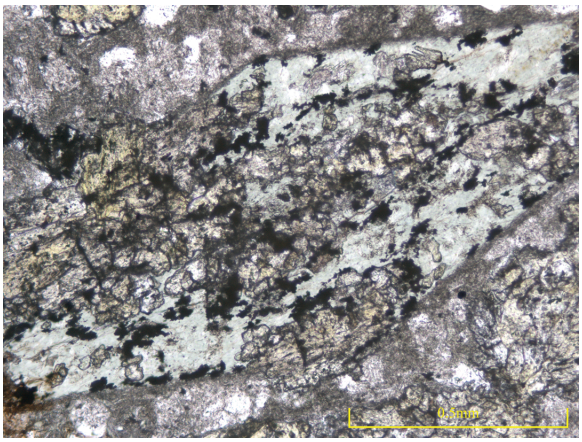
Feldspars and epidote.



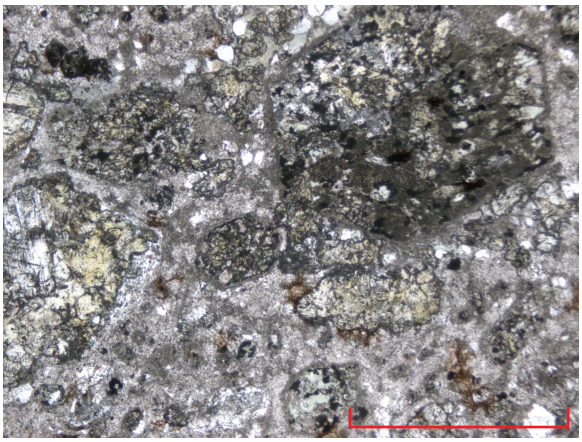
Plagioclase and epidote.

T4

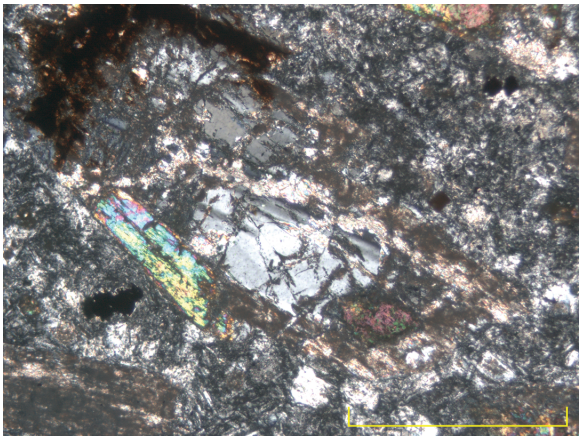




Weathered. an epidote-chlorite altered porphyry with pyrite mineralization. Phenocrysts are readily discernable, but are heavily altered, the feldspars to kaolin-sericite, ferromagnesians to chlorite-magnetite. Some euhedral shapes, now entirely chlorite +/- epidote, indicate original amphiboles. Epidote appears in the groundmass often as euhedral 1mm crystals. The groundmass is about 30% of the volume. Pyrite (about 1%), originally as 0.1-0.2mm subhedral crystals is now limonite.

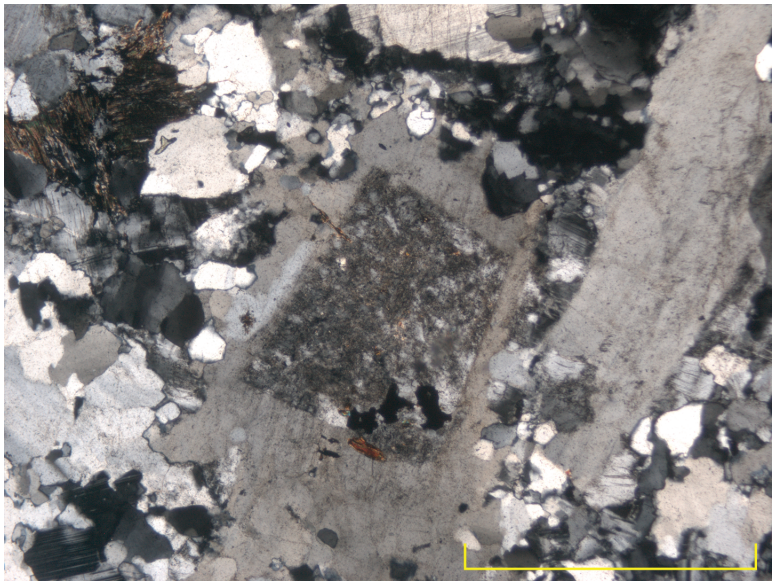


Epidote pseudomorphs of ferromagnesians.

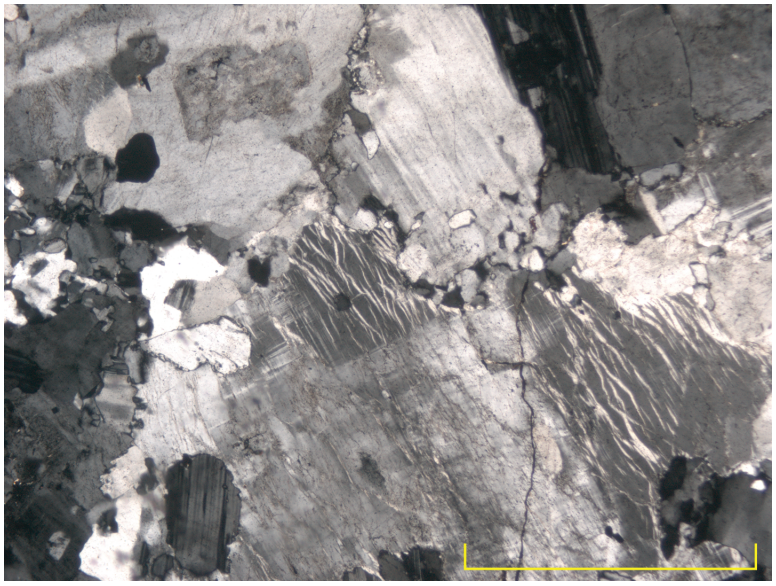


Epidote and feldspar.

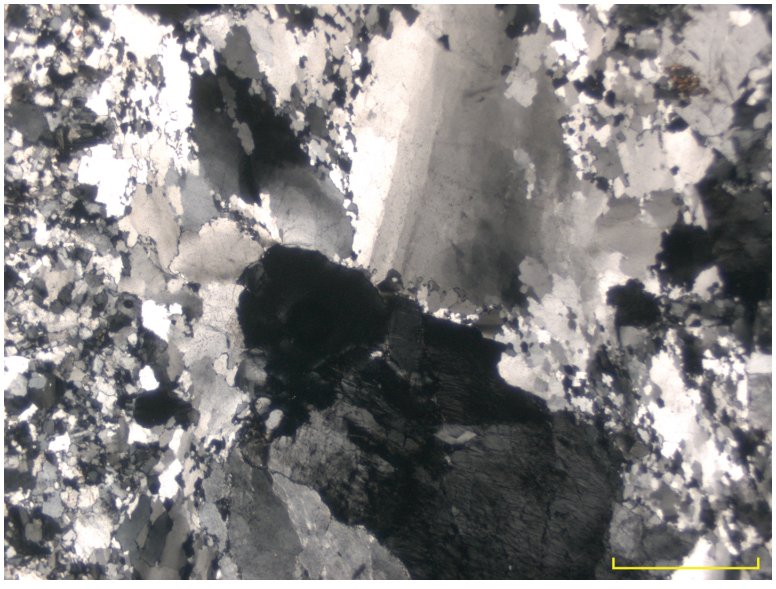
T5



A very leucocratic, fairly even-grained granitoid. The feldspar phenocrysts plagioclase and orthoclase, are 1 - 2mm long, with the groundmass being about 0.3mm. Rare, euhedral perthite megacrysts reach 3mm. Plagoclase and K-feldspar are proportioned approximately 45-55. Quartz amounts to about 10% of the bulk. Micas are rare and are completely chloritized. Pyrite occurs as 0.1mm grains (< 1%) that are partially weathere to limonite. There is only slight kaolin alteration of feldspars.

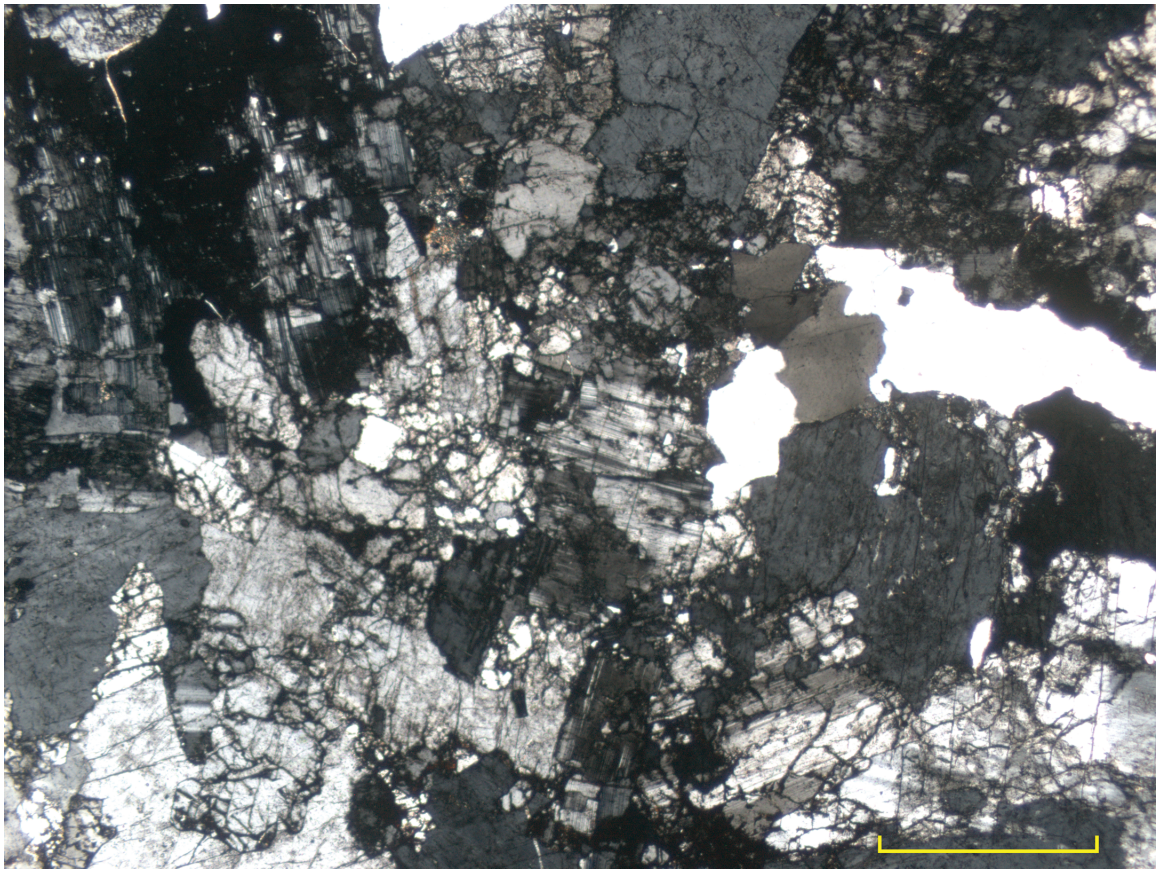


Perthite.



Pegmatite vein: quartz and K-feldspar.

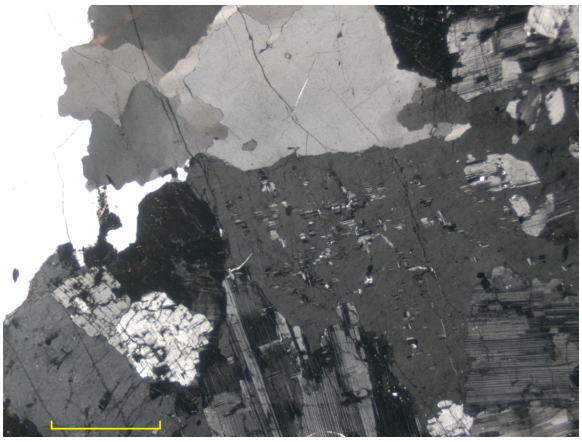
T6



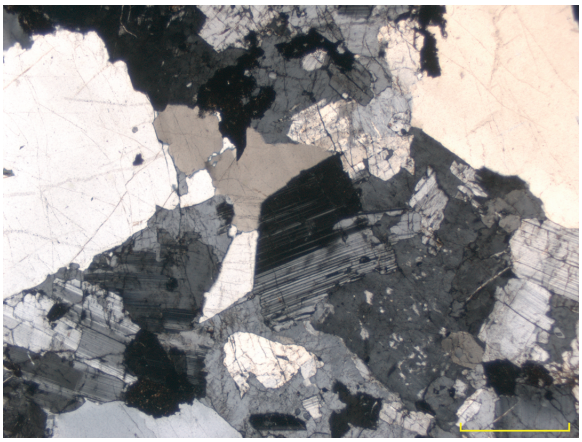
Clustered plagioclase.

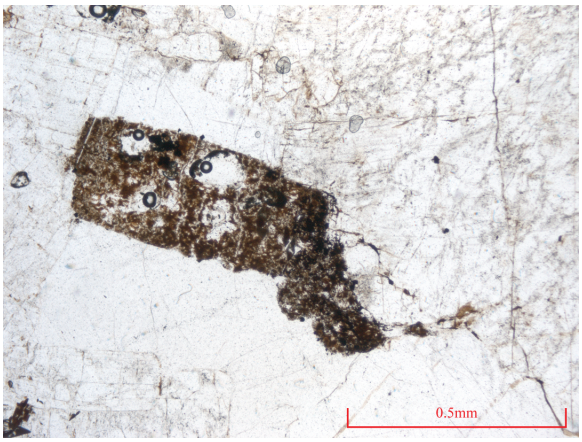
This is a quartz syenite. This very leucocratic granitoid has orthoclaseas the predominant feldspar. All feldspars are completely anhedral. Quartz is interstitial to feldspar and occasionally much coarser grained (to 7mm). It amounts to about 25% of the rock. Most feldspars are about 3mm long and somewhat clustered. The rock is slightly weathered but unaltered. There are no ferromagnesians or sulphide mineralization.

T7



This is a quartz monzonite. This of similar texture to T6. It has coarse, anhedral grains of orthoclase or perthite (3mm) with quartz to 6mm, with uneven distribution, about 25%. There is more plagioclase (1-2mm) in this rock and it is almost as plentiful as the K-feldspar. Iron oxides have replaced ferromagnesians, but there is no alteration of feldspar. One 0.3mm sphene crystal was noted. No pyrite is present.





Altered ferromagnesian

Sphene alongside (?) monazite.

TAUT 2019 Thin Section Samples – Mann & Hulstein

		UTM NAD83 ZONE 8V		
SAMPLE	Field name	East	North	Field Description
T1	RH19401	404940	6849502	Lichen covered, weathered and fresh tan - orange colored qtz porphyry (2mm) granite, (Noranda qtz monzonite?). Sparse, <0.5%, biot, qtz phenos in finer gtrained qtz- feld groundmass. Minor dry fractures with <1mm diss py,
T2	RH19404	405454	6848773	float sample of phyllic altered feld - hbl porphyritic andesite. Magnetite and hornblende(?) replaced by bright 1-3mm pyrite, <2% overall, rusty weathering. Soil sample at station. Leakage zone? Best altered andesite seen on property.
T3	RH19415	406014	6849519	At pit 3, epidote altered feldspar porphyritic andesite.
T4	RH19416	406062	6849669	on ridge crest west (WNW) of gneissic TOR, stn 414, scree of slabby epidote altered feldspar phyric andesite, non mag and no calcite.
T5	RH19441	405224	6851541	pink weathering pink qtz-porph fine grained qtz-feld granite (aplite? about 40 m wide dyke? if trending about N-S). Only few qtz phenos. X/cut by rare grey qtz veinlets +/-pink felds, locally vuggy with limonite and rare diss py in vein and rock. Appears to be an aplite dyke cutting grussy fol granodiorite. small knoll of same extends about 100m to NW - forms last hill before lake to east.
T6	WDM19401	404399	6850819	"Quartz Porphyry" granite. Plagioclase is euhedral, but altered ? Kspar is hard and pink. Mafics obvious but altered. No texture destruction at this point. Proximal to QV with moly, trace vfg moly in granite.
T7	WDM19400	405629	6848072	Granite. Furthest SW subcrop of Qtz porphyry. Some Q eyes are smoky. Fspars and mafics altered to sericite/ chlorite/ clays, but texture not destroyed. Slickensides observed. Located about 20m N of lineament.

Appendix VIII – PETROGRAPHY – Dr. Timothy Liverton

COBALTINITRITE STAINED SLABS

Examined under the stereo microscope

T1 Most of the K is concentrated in the fine-grained groundmass, 60% of which is potassic

T2 Similar, but K distribution is patchy, ≈ 50% K

T3 Emphasizes two variants of the granite, which is not readily seen in thin section. The central region which is finer grained has only a little stain in the groundmass. The outer parts are heavily stained in the groundmass (>60 %)

T4 K feldspar phenocrysts are stained. Only a little stain appears in the groundmass (25%)

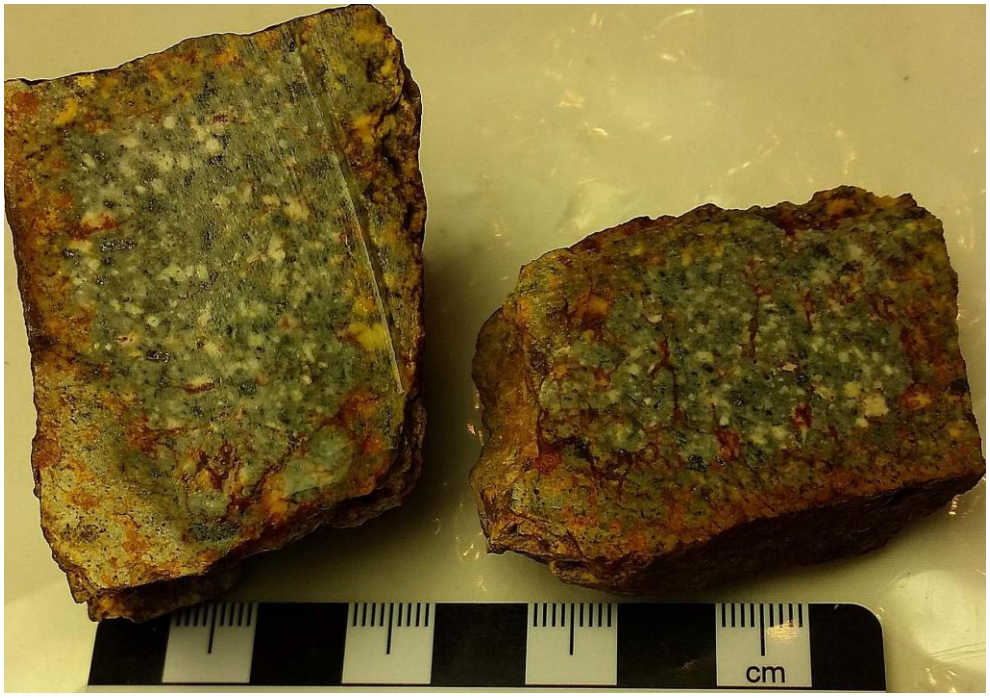
T5 Coarse phenocrysts are stained: orthoclase > plagioclase.

T6 Coarse phenocrysts are stained. Orthoclase 60% of feldspar

T7 Orthoclase shows up well: about equal to plagioclase. Coarse quartz masses are emphasized

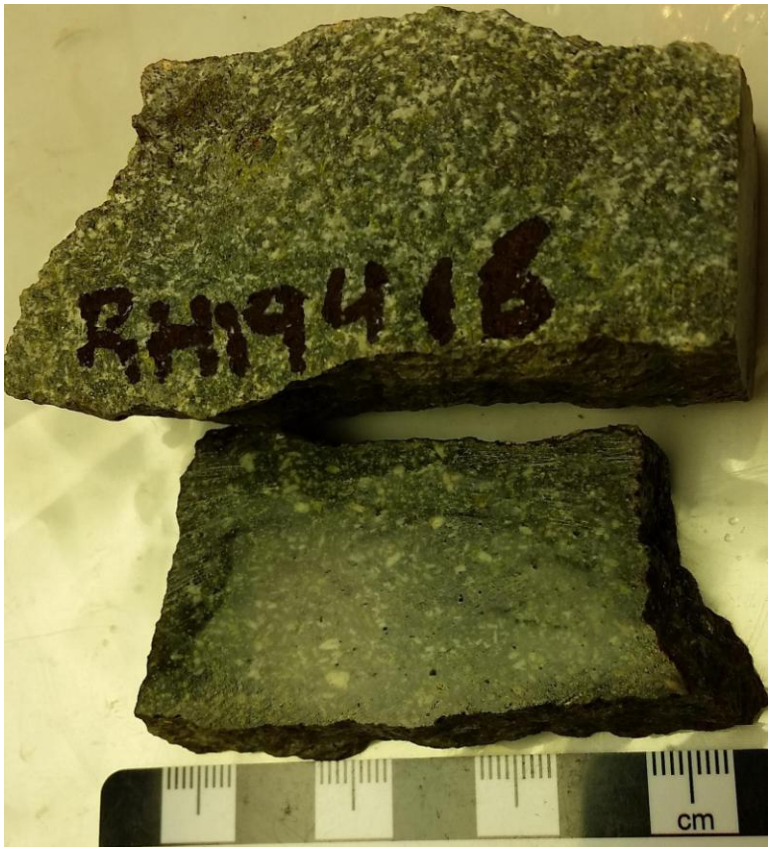
Rock Slab Photos

T1



T2

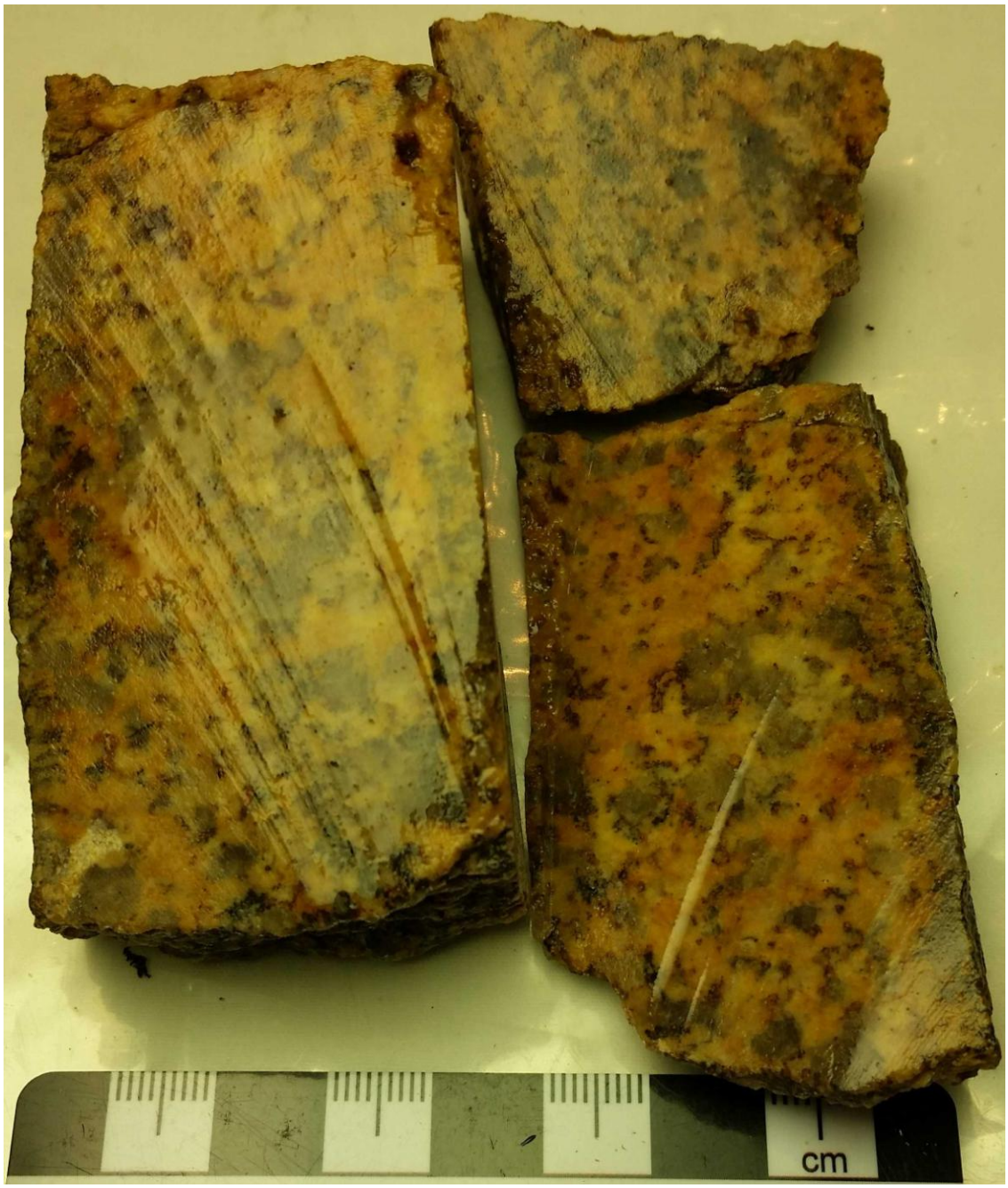
T3



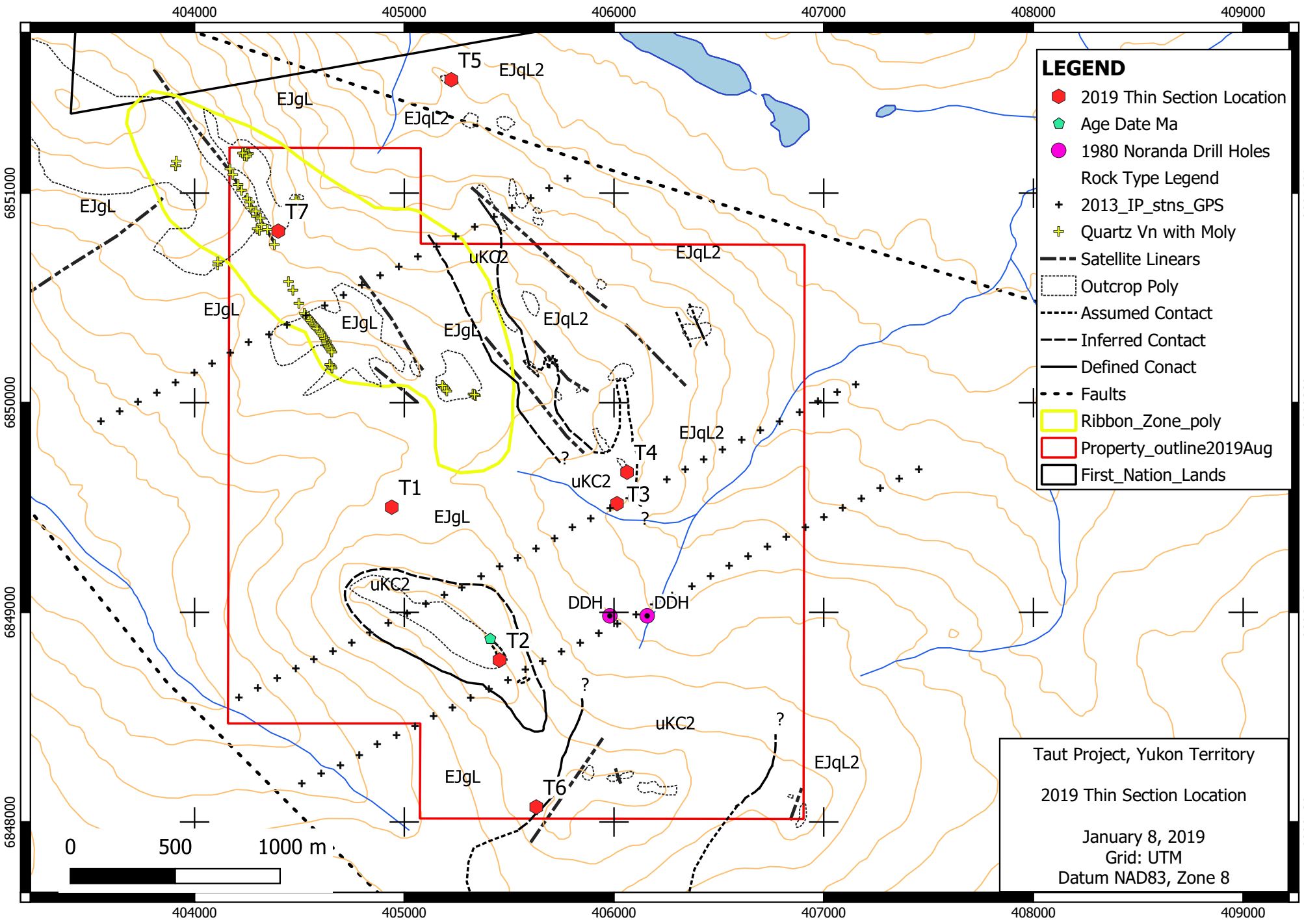
T4

T5

T6



T7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6848000
T5
EJqL2
EJgL
T7
uKC2
T4
T1
T3
T2
DDH
T6
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0
500
1000 m
LEGEND
2019 Thin Section Location
Age Date Ma
1980 Noranda Drill Holes
Rock Type Legend
2013_IP_stns_GPS
Quartz Vn with Moly
Satellite Linears
Outcrop Poly
Assumed Contact
Inferred Contact
Defined Conact
Faults
Ribbon_Zone_poly
Property_outline2019Aug
First_Nation_Lands
Taut Project, Yukon Territory
2019 Thin Section Location
January 8, 2019
Grid: UTM
Datum NAD83, Zone 8