

YMEP 2016 REPORT – TESLIN MOUNTAIN PROJECT

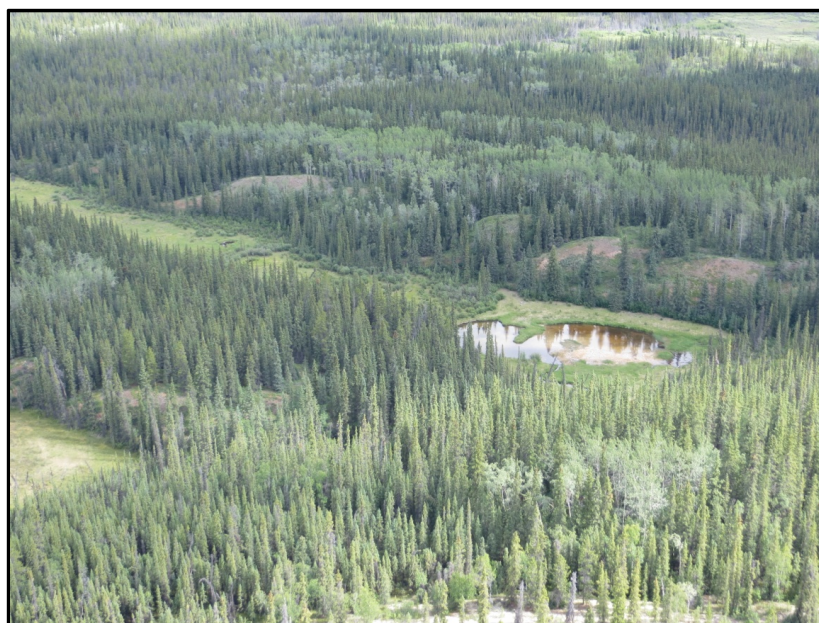
YMEP # 16-019

WHITEHORSE MINING DISTRICT

NTS 105E/01, 105E/02, 105D/15

UTM NAD 83: 52800E, 6774000N

Work conducted: August 8, 9 & Sept. 23, 24, 2016
(Geological mapping, Prospecting & Geochemical Sampling)



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SUMMARY

A strong gossan exposed in a landslide on the west side of the Open Creek valley was spotted during a reconnaissance flight in 2014. The Teslin Mountain Project grew out of this following research of the available literature and a successful YMEP application in 2015 (YMEP # 15-069). The project is located in the Whitehorse trough about 60 km northeast of Whitehorse Yukon. In 2016 additional work, also partly funded by the YMEP program (YMEP # 16-019) was carried out from Camps 16-1 and 16-2 on NTS map sheets 105E/ 01 and 02.

The dominant unit underlying the southern side of the project area and Camp 16-1 is the Middle Triassic Joe Mountain Formation comprised of mafic to intermediate volcanic and lesser intrusive rocks. The northern portion of the project is underlain by sedimentary units and possibly minor volcanics of the Triassic Lewes River and Jurassic Laberge Groups. These units are intruded by Cretaceous granitoids and overlain in part on the north side of the property by upper Cretaceous Open Creek formation dacitic volcanics.

In 2015, an eight day exploration program consisting of prospecting, geochemical sampling and geological mapping was carried out by Danièle Héon and Roger Hulstein. This work located three separate targets that were recommended for follow-up, namely; the weakly gossanous Debicki Occurrence, the Plateau area where a soil sample in 2105 returned 1.7 g/t gold and the Pond Zone, subsequently staked in early 2016 as the NOOC claims, where a number of soil and rock samples returned anomalous gold values, up to 823 ppb and 77.8 ppb respectively, and anomalous values for several pathfinder elements (As, Sb, Pb, Zn).

The Debicki occurrence is centered over a limonitic colored ('gossan'), carbonate altered, medium grained granite cut by northeast trending joint sets, faults, intermediate dykes and possibly more felsic dykes. Limonite - calcite veinlets commonly fill joints and fractures, a few chaledonic veinlets and rarer grey quartz veins with trace sulfides (galena, pyrite and ??) were noted. A rock samples of the better looking veined and sheared granite contained up to 160 ppb Au, 5.2 ppm Ag, 753 ppm Pb, 31 ppm Sb and 2130 Zn. Eight soil and talus fine samples collected over the gossanous granite and from the base of the limonitic weathered granite cliff outcrop contained a similar suite of weakly anomalous elements (<41.7 ppb Au). The area, while not highly anomalous, extends over hundreds of meters and is open in all directions. The limonitic - gossanous sheared and faulted granite indicates that the margin of the granite body remains a prospective target area although glacial till cover and colluvium hinders geochemical exploration, prospecting and mapping.

At the Plateau Area, a recessive zone, hosting the 1.7 g/t gold sample, was traced for over 700 m. A rock sample collected in 2016 within 20 m of the 2015 1.7 g/t gold in soil sample contained 619 ppb Au with no accompanying anomalous pathfinder elements. An additional rock sample and six soil samples collected on trend returned low values for gold and pathfinder elements. Prospecting in the area, underlain by intermediate volcanic rocks, failed to find additional recessive zones, significant felsic dykes or quartz veining. It is unlikely that additional work would improve on the marginal nature of this prospective area.

Rock and soil sampling based out of Camp 16-2 on the NOOC claims focused on the Pond Zone. The area has an approximate current minimum extent of 300 m by 200 m based on scattered outcrops of quartz and/or carbonate-veined shale, siltstone – sandstone – conglomerate, limestone and carbonate-altered intrusive of indeterminate type (likely intermediate to mafic in composition). All units are likely part of the Jurassic Laberge Group. There are also local areas of silicification, brecciation and weak zones of carbonate – quartz stockwork.

A total of five rock and 23 soil samples confirmed the anomalous results obtained in 2015, but did not extend the anomalous area or locate higher grade mineralization. A rock sample best described as a rough chip over approximately 4 m of quartz veined and sheared sandstone - siltstone returned 373 ppb gold. A soil sample collected within 5 m of the 2015 highest gold in rock sample (823 ppb) returned 830 ppb gold and 2500 ppm arsenic. The quartz veining and fracturing – shearing appear to be late stage and possibly high level, likely related to faulting and perhaps the nearby Open Creek volcanic formation.

However low values from the few samples collected outside the Pond Zone anomaly coupled with landslide and glacial cover precluded extending the anomaly and obtaining better soil sample coverage. Although the Pond Zone and area has been

prospected and sampled for about four person days in 2015 and 2016 the exact nature of the mineralization and its limits are still unknown, additional work in this area is required to determine its significance.

Based on the work and anomalous results obtained in 2016 on the Teslin Mountain project area, additional work is warranted and recommended at the Debicki occurrence and Pond Zone. Additional prospecting, rock sampling and possibly selective soil sampling is required at both areas. The area surrounding the Debicki occurrence needs to be explored to determine its significance and potential structural controls. In more of a regional context, the granitoid that abuts the Golden Predator claims and hosts the Debicki occurrence needs to be examined to see what part it might play in a gold mineralizing system.

No further work is recommended in the Plateau area.

At the Pond Zone, where the glacial cover severely hinders exploration, limited additional surface work such as trenching the gold in rock samples located to date should be carried out to determine the character and extent of known mineralization. A low level close spaced aeromagnetic survey, or alternatively a ground based survey, is recommended over this area to help determine trends obscured by the glacial cover. Any trends suspected of being related to the anomalous rock and soil samples would likely need to be further evaluated by geophysics, such as IP and or EM, followed by trenching and or drilling, depending on the depth of glacial cover.

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Cover photo: Camp 16-2, Pond Zone in Open Creek Valley, looking NE, drainage from left side of pond flows NW. Low knolls are outcrops of sedimentary and altered intrusive rocks.

INTRODUCTION

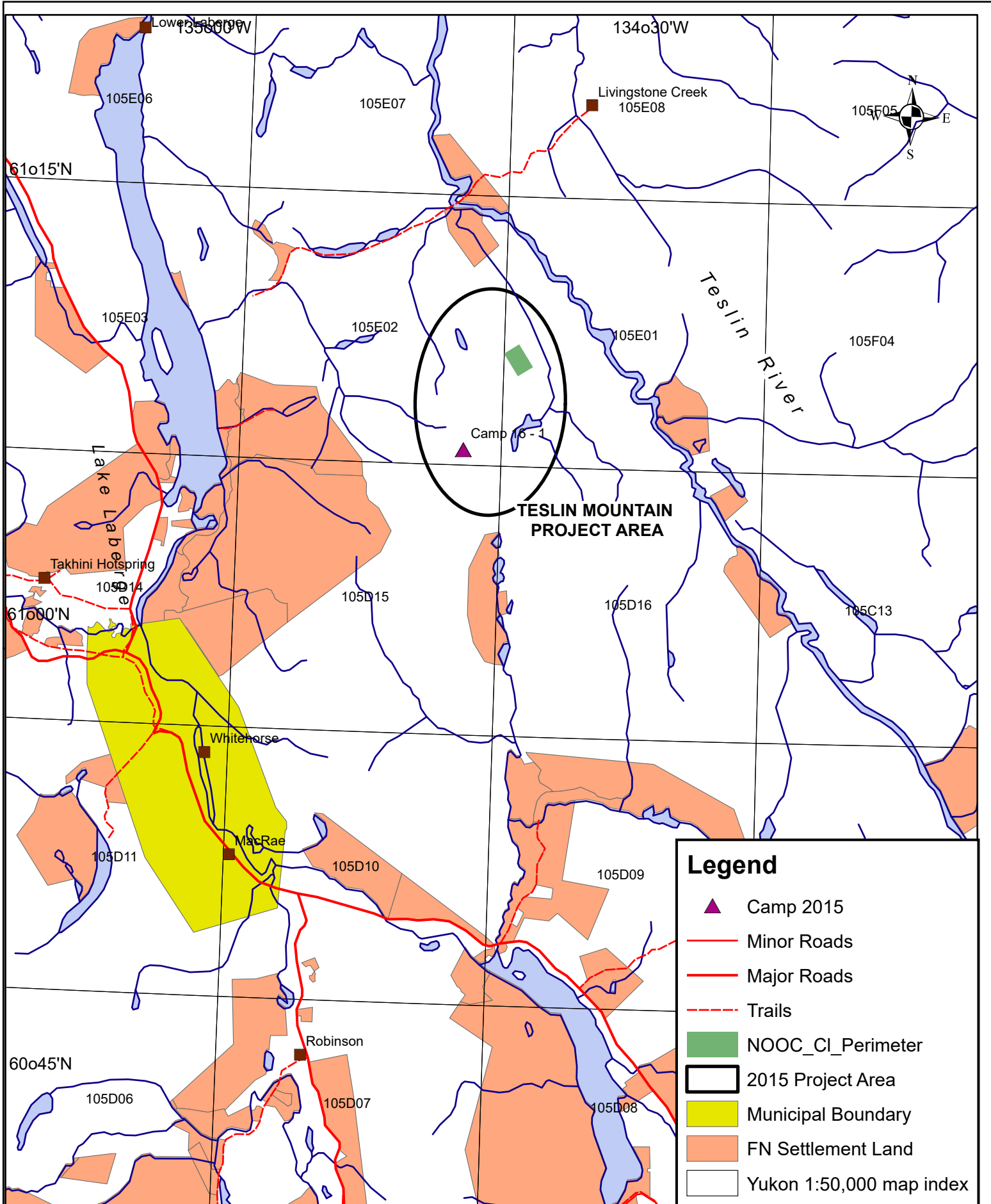
The purpose of this report is to describe the 2016 work program on the Teslin Mountain Project to fulfill requirements as stipulated in the Yukon Mineral Exploration Program (YMEP) contract #16-019. An exploration program of prospecting, geochemical sampling and geological mapping was conducted by Roger Hulstein, of Whitehorse, Yukon. It was carried out from August 8, 9, 2016 and September 23, 24, 2016 from two 'fly-camps', Camp 16-1 and Camp 16-2 (on NOOC claims), respectively (Figure 1). In addition reconnaissance fixed wing flights were flown on April 2 and August 5, 2016.

Exploration in the Teslin Mountain Project area was initiated in 2015 after a 'gossan' (near Camp 16-2 on the NOOC claims), exposed in a fault scarp at the head of landslide, was spotted from the air during a reconnaissance flight in late 2014 (Hulstein, 2016). Research of the available literature in 2014 indicated that the 'gossan' was underlain by Cretaceous Open Creek volcanics (unit uKW, Figure 4) in the vicinity of a favorable structural regime. As postulated intrusive equivalent to these rocks host molybdenum mineralization at the Red Mountain porphyry deposit approximately 45 km to the southeast. Subsequently a short program was carried out to examine the 'gossan' (now on the NOOC claims), and other nearby areas of interest (Camp 16-1 area), identified through literature research, collectively called the Teslin Mountain Project.










Exploration targets at Camp 16-1 consisted of the Yukon Minfile Debicki Occurrence (number 105E 050) which was not examined in 2015, and following up on a 1.7 g/t Au in soil sample collected in 2015, from a plateau area, south of Teslin Mountain. Work from Camp 16-2 on the NOOC claims followed up on anomalous soil and rock samples collected in 2015 located east of the otherwise barren 'gossan' examined in 2015. The NOOC 1-24 claims were staked on Feb. 26, 2016 following receipt of anomalous rock and soil samples results (up to 823 ppb and 77.8 ppb gold respectively), after prospecting east of the 'gossan' area found quartz +/- carbonate veining cutting sandstone – siltstone, feldspathic epiclastics and carbonate-altered intermediate volcanic - intrusive rocks (now called the Pond Zone).

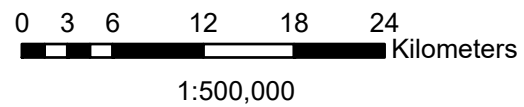
Traverse waypoints and tracks collected in 2016 for Camp 16-1 and Camp 16-2 (NOOC claims) are shown on Figures 3 and 4 respectively.

This report also describes the location, access, history, geological setting, known mineral occurrences and outlines a proposed exploration program to further explore the project area for gold deposits.



Legend

-  Camp 2015
-  Minor Roads
-  Major Roads
-  Trails
-  NOOC_CI_Perimeter
-  2015 Project Area
-  Municipal Boundary
-  FN Settlement Land
-  Yukon 1:50,000 map index



Teslin Mountain Project Location Map

LOCATION, ACCESS AND LAND STATUS

The Teslin Mountain Project is approximately 60 km northeast of Whitehorse (Figure 1) and accessible by helicopter. Several helicopter companies offer air charter service from Whitehorse. In 2016 Capital Helicopters provided great service utilizing Bell 206's and Robinson R44 models. The area constitutes some of the highest ground of the Lewes Plateau (Yukon Plateau) between the south end of Lake Laberge to the west and Teslin River to the east.

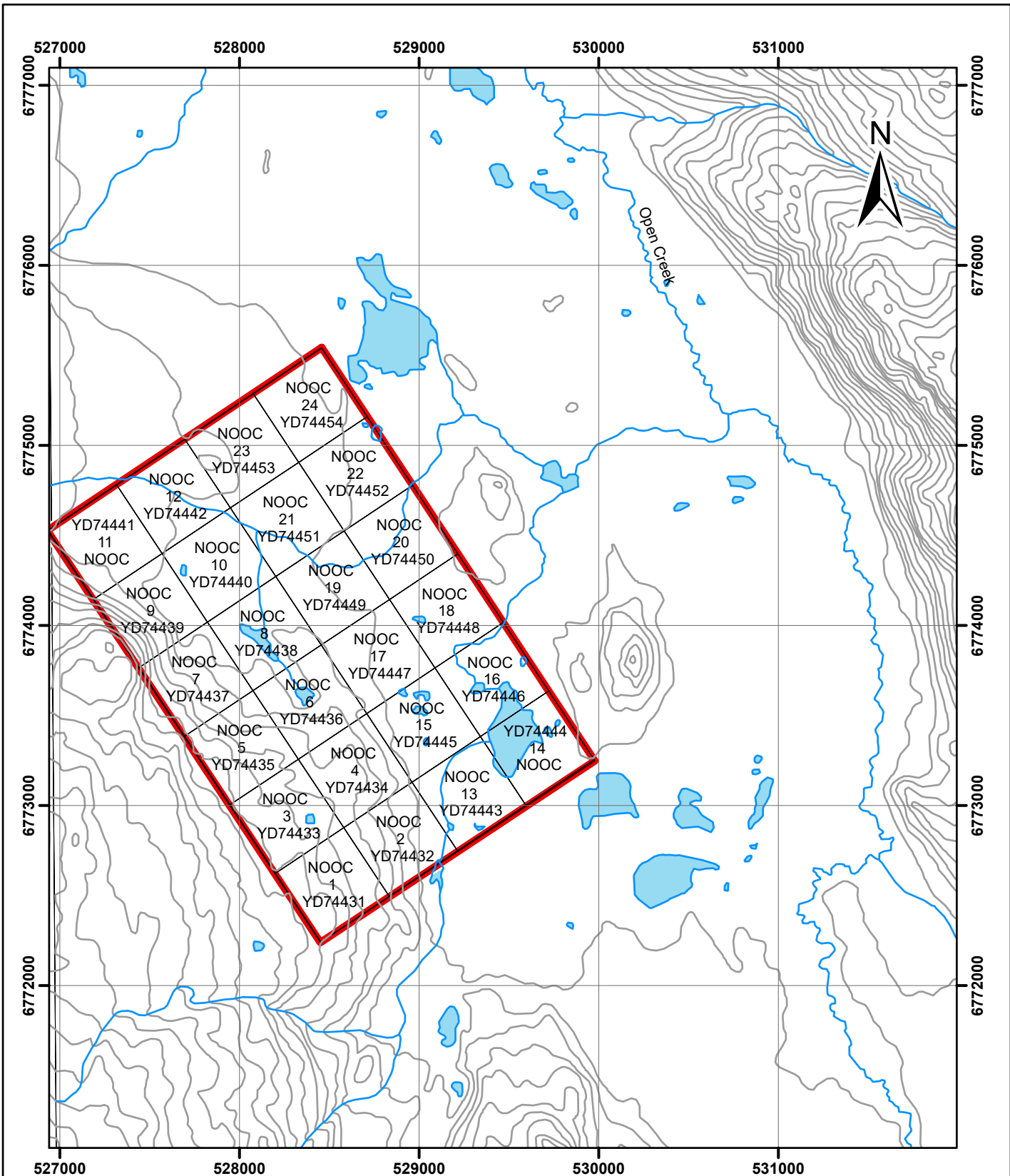
The Project area is in the Whitehorse Trough (Colpron, 2014), on a topographic divide with the north and northwest side of the area draining to the north and west, the south side drains to the south into the valley that forms the headwaters of the McClintock River. The project area covers portions of NTS map sheets 105E/01 and 02 and the northeast corner of 105D/15. Two specific areas were targeted and examined in 2016, Camp 16-1 in the south side of the project area and Camp 16-2 on the northeast side. Camp 16-1 area covers an east – west trending 1800 m high ridge and plateau, forming the southern flank of Teslin Mountain, and includes the Debicki occurrence and Plateau area target (Photo 1). In the Camp 16-2 area, exploration followed up on a zone of auriferous quartz +/- carbonate veining in the Open Creek valley bottom (the Pond Zone).

The NOOC 1-24 claims were staked over the Pond Zone and surrounding area on Feb 26, 2016 and are recorded with the Whitehorse Mining Recorder (Figure 5). The registered owner is Roger Hulstein who holds them in a 49%/51% partnership with Danièle Héon.

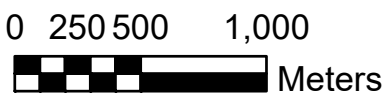
There are no large areas of First Nations owned lands and no areas withdrawn from staking or development in the Teslin Project Area. Near the Camp 16-1 area on the southwest side are 20 Yukon Quartz claims, the BBK claim group, registered to Golden Predator Corp., with an expiry date of 03/07/2019. These claims cover the source drainage for a GSC-RGS stream sediment sample that is anomalous in gold (sample #881373).



PHOTO 1. LOOKING NORTHERLY AT TESLIN MOUNTAIN AND CAMP 16-1 AREA.



TESLIN MOUNTAIN, YUKON CLAIM MAP NOOC CLAIMS



Note; Claim information from: www.yukonminingrecorder.ca
Date: Dec. 30, 2016 Drawn by: RWH

Grid: UTM NAD83 Zone 8
1:30,000 Fig.

TOPOGRAPHY, VEGETATION AND CLIMATE

Topography in the region is typical of an incised peneplain (Yukon Plateau) with steep hillsides and rounded crests. Elevations range from approximately 800 m in the Open Creek valley to about 1800 m at Teslin Mountain. Areas of high elevation locally consist of rugged alpine terrain with rare patches of stagnant ice and abundant evidence of recently departed alpine glaciers. Areas of lower elevation and the valleys, approximately below 1350 m elevation are moderately to densely vegetated. Larger valleys such as the Open Creek valley are broad and filled with glacial debris.

The climate in the project area is variable with warm summers and long cold winters. Precipitation is light, with moderate snowfalls during the winter months. Depending on the elevation the typical field season extends from late May to middle - late September. Permafrost can be expected anywhere within the project area, particularly on northerly facing slopes.

HISTORY

Little mineral exploration history has been documented within the project area. Three Yukon Minfile occurrences are found in the area (Figure 2), one, the Karin #105E 055, is listed as an unknown and another, the Sline #105E 038, is listed as an anomaly (Yukon Minfile, 2015). The Sline was staked over a geochemical anomaly by DuPont in 1981 and little else is known. The third occurrence, the Debicki #105E 050, was staked in 1982 by Inco over epithermal type veins and alteration covering a limonitic 100 m x 50 m zone of weakly sheared and fractured hornblende granodiorite adjacent to grey weathering Open Creek volcanic rocks. No further work was recorded. A bulldozer trail up the creek bottom on the east side of Teslin Mountain indicates that exploration, not recorded in the literature, also took place there.

A large claim block was staked in 2011 by Golden Predator Corp. over an anomalous (gold) RGS sample on the west side of Teslin Mountain. The claim block was subsequently reduced in size and now consists of 20 claims with an expiry date in 2019. Rumor has it that the exploration results to date are encouraging for gold mineralization.

Other than some minor garbage from what looks like a 1980's fly camp, found in the alpine to the west of the 1.7 g/t Au in soil sample, in the Camp 1 area, no evidence of mineral exploration was found (assuming that the garbage was left by explorationists).

Outside the project area, a Minfile occurrence, the Hig (#105E 024), is covered by 15 Quartz claims. This is a weak porphyry occurrence discovered in 1975 by United Keno Exploration and is currently held by a numbered company (Yukon Minfile, 2015).

REGIONAL GEOLOGY

The Project Area was mapped by Tempelman-Kluit in the 1980's and most of the area has not been revisited since (Tempelman-Kluit, 2009). The YGS carried out a mapping program in the area this in 2015 and 2016 and the results are presently awaited. The area is underlain by rocks of the Whitehorse Trough, a frontier intermontane basin in south-central Yukon, south of the Tintina fault (Colpron, 2011). As described by the Yukon Geological Survey (Anonymous, 2015);

The trough is an overlap assemblage, with strata unconformably overlying both the Stikine terrane (Lewes River arc), and also the Quesnel terrane locally. The trough originated as a forearc basin (based on structural geology and detrital clast content, but progressively evolved to become a synorogenic piggy-back basin sometime after the end of the Pliensbachian (Colpron 2014). The basin straddles the Yukon – British Columbia border, with its northernmost margin in the Carmacks area, and covers an area of approximately 2.44 million hectares. Its geology is characterized by an approximately 3000m thick deformed Jurassic sedimentary succession (the

Laberge Group), underlain by a depositional basement of Triassic sediments (the Lewes River Group), and capped by Cretaceous and Neogene volcanic rocks.

Initially an apparent gossan, located at Camp 16-2, consisting of Open Creek formation volcanics (map unit uKW, Figure 2) prompted the 2015 exploration program. These volcanics are orange weathering lapilli tuffs, of dacitic composition. At camp 16-2 on the NOOC claims, they are exposed as landslide rubble and can be readily seen from the air (Photo 2). This landslide occurs along the trace of a major fault interpreted to be a splay of the Teslin Fault. This structure may have potential to be a mineralizing structure, due to its depth and its long range of activity (Colpron, pers. com.). The fault on the east side of the volcanics at Camp 16-2, as mapped by Tempelman-Kluit (2009), may have contributed to the landslide that created the large area of orange weathering land slide rubble.

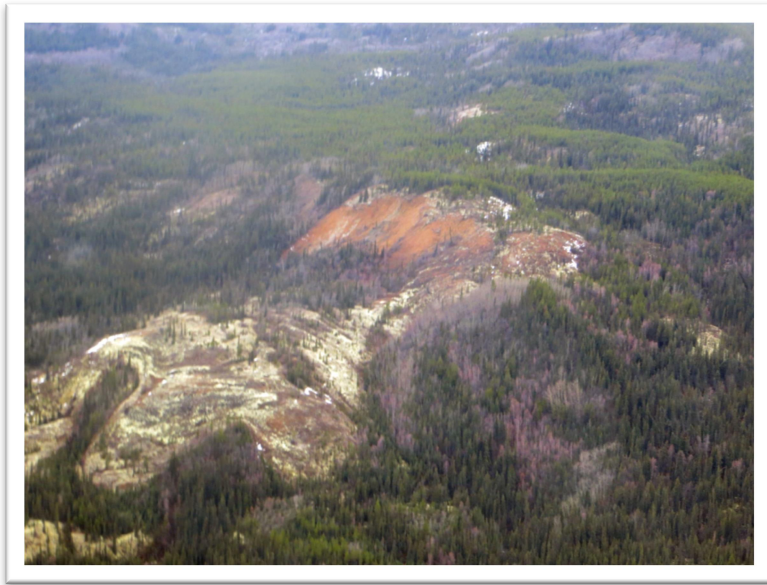


PHOTO 2. FALSE GOSSAN AT CAMP 16-2 (NOOC CLAIMS), LOOKING SOUTHWEST, ORANGE WEATHERING LAPILLI TUFFS EXPOSED BY LANDSLIDE.

These volcanic rocks, dated as late Cretaceous, overlie the Jurassic-Triassic stratigraphy and are thought to be the extrusive equivalent of the intrusive rocks hosting the Red Mountain molybdenum deposit, located to the southeast.

The Middle Triassic Joe Mountain Formation (map unit mTrJ, Figure 2) is the dominant unit underlying the Camp 16-1 area and much of the southern project area as well. It consists of basalt, andesite, microdiorite flows and related volcanic rocks. Minor gabbro and diorite units also make up the formation (Colpron, 2011).

Two sedimentary units are found within the project area, the Triassic Lewes River and Jurassic Laberge Groups (map units uTrAK and JL respectively, Figure 2). The formations that are of interest in project area, Aksala of the Lewes River and Richthofen of the Laberge Group, have similar lithologic description. Both are comprised of shale, conglomerate, limestone, siltstone and porphyry flows. One or both of these units may underlie the Pond Zone at Camp 16-2.

Two Cretaceous granitoid intrusions are found within the project area (map units mKW and EKgT, Figure 2) north and south of Camp 1 and intrude the sedimentary and volcanic units.

The Debicki Minfile occurrence (#105E 050), is described as chalcedony and jasperoid veins, silicified breccia, calcite and clay minerals associated with a 50 m x 100 m stockwork and alteration zone in a Tertiary porphyry dyke (Yukon Minfile, 2015). The occurrence location is on the margin of a granitoid intrusion (map unit mKW, Figure 2). The occurrence is visible

from the air as a limonitic weathering zone and is cut by northerly trending shear zones, joint sets and andesitic dykes of the Open Creek volcanics. Only minor quartz veining, calcite veining and silicification were found when the occurrence was examined in 2016.

GSC - RGS DATA

The following is from Hulstein (2016):

In the Camp 1 area a RGS sample (#851271) draining Triassic volcanic rocks ran 657 ppb Au, ranking in the 99th percentile for the Whitehorse Trough. A 2015 silt sample (#122554) collected in the upper reaches of this drainage contained 16.4 ppb Au. This anomaly is hindered by extensive glacial cover. A large number of granitic boulders, likely exotic, were noted at 2015 sample site 122554. A number of granitoids were noted on the lower slopes on the south side Teslin Mountain and this could be part of the story of the gold anomalies in stream sediment samples. The Golden Predator Corp. claim ground on the west side of Teslin Mountain covers a RGS sample (#881373) anomalous in gold.

No drainages sampled by the GSC are found in the RGS that drain the gossanous exposure at Camp 2. The low lying elevation of the occurrence, poorly developed drainages and glacial cover hinder the effectiveness of stream sediment sampling in this area.

To the east of Camp 2 (the 'gossan'), another stream sediment sample (883454) contained 97 ppm Cu. Draining coarse clastic rocks of the Laberge Group, this sample is also in the 99th percentile for the RGS samples of the Whitehorse Trough, and corresponds to a high magnetic anomaly and is worthy of follow-up. Unfortunately time constraints didn't permit examination of this drainage basin or magnetic anomaly in 2015.

REGIONAL GEOPHYSICAL DATA

The following is from Hulstein (2016):

The regional aeromagnetic total field data show the Camp 16-1 area to be underlain by a broad magnetic high. Interestingly, the drainage anomalous in gold in both the RGS sample (#851271) and the 2015 sample (#122554) on the south side of Teslin Mountain is on the margin of the magnetic high and within a magnetic low. This is similar to the setting of the Hig Minfile occurrence (#105E 024) about 6 km to the east.

The Camp 16-2 area, underlain by the Open Creek volcanics, has a variable magnetic signature. A strong NE trending magnetic low linear cuts the Open Creek volcanic package and separates the area into separate north and south highs. The northern magnetic high appears stronger of the two and may represent a vent zone or volcanic neck as well being a local topographic high. The false 'gossan' at camp 2 is located near the NE trending magnetic low. However this variable magnetic signature is quite typical of volcanic rocks.

The regional NW trending fault zones that underlie the Open Creek valley and the Teslin River valley show up in part as strong NW trending magnetic lows and highs. The Pond Zone, an area of weak auriferous quartz +/- carbonate veining cutting metasediments and carbonate altered intrusive, is underlain by a magnetic low but near subtle magnetic highs.

PROJECT AREA GEOLOGY & MINERALIZATION

Camp 16-1 (Debicki Occurrence and Plateau Area)

The dominant unit underlying the project area at Camp 16-1 is dark green fine grained andesitic to basaltic volcanics (unit mTr, Figures 6 and 7) of the Middle Triassic Joe Mountain Formation. Intruding these volcanics are a number of dykes and sills of unknown age and of felsic to intermediate composition. Some, especially the diorite sills, could be contemporaneous with the volcanic package. It is these volcanic andesitic to basaltic rocks that underlie the 'Plateau Area' where the 1.7 g/t Au in soil anomaly (2015 sample 579499) was obtained. Other rocks, such as flow banded rhyolite dykes, aplite and granitoid dykes are likely related to the nearby granitoids, units mKW and EKT, to the north and south of Camp 2 area respectively. At least two distinct felsic packages were observed: one feldspar-porphyrific intrusive unit, of various widths and grain sizes, and another quartz-rich unit.

Rhyolite dyke rocks are found in the same recessive weathering vein – fault structure that hosts the 1.7 g/t gold in soil anomaly. This NE trending recessive zone, called the Plateau Area, is up to 20 m wide, with clay and decomposed quartz feldspar porphyry and was traced for over 700 m. One of the two rock samples (Q009317) collected in 2016 within 20 m of the 2016 1.7 g/t gold in soil sample contained 619 ppb Au with no accompanying anomalous pathfinder elements (Photo 3). Six soil samples collected on trend with the recessive zone returned low gold values (<3.4 ppb) and pathfinder elements although several of the soil samples were clay rich, locally contained iron oxides – limonite, and were located in areas of felsic dyke rock. While the validity of 1.7 g/t gold in soil anomaly was confirmed by the nearby 2016 rock sample that returned 619 ppb Au, the size of the anomaly appears to be restricted to a small area (Figures 8 and 9).



PHOTO 3. PLATEAU AREA, LOOKING WESTERLY, SITE OF 2015 ANOMALOUS 1.7 G/T AU SOIL SAMPLE AND ROCK SAMPLE Q009317.

The attitude of the mafic volcanic package is difficult to ascertain with certainty but where observed appeared to be gently to moderately dipping. Rock units on the west side of the area appear more basaltic. Locally these rocks are cut by a number of NW trending narrow (<1-2 m wide) limonitic weathering fault zones with carbonate veining. Samples (ie. 2015

sample 122603) of this material are not anomalous for gold although it was weakly anomalous for Ag, Bi and As. A northwest trending flow banded rhyolite dyke at 2015 soil sample 579483 was unaltered and the soil sample from the margin of the dyke was not anomalous for gold.

The Debicki Minfile occurrence (number 105E 050) found on the margin of map unit mKW (Figure7) is about two kilometers to the NE, and on trend, of the 1.7 g/t Au anomalous soil sample (2015 number 579499), however structures at the Debicki occurrence generally trend northerly.

The Debicki occurrence is centered over a limonitic colored ('gossan'), carbonate altered, medium grained granite cut by northeast trending joint sets, faults, intermediate dykes and possibly more felsic dykes (versus intermediate dykes) (Photo 4). The granite in the gossan area is non-magnetic and contains no visible hornblende. Limonite - calcite veinlets commonly fill joints and fractures, a few chalcedonic veinlets and rarer grey quartz veins with trace sulfides (galena, pyrite and ??) were noted (sample Q009315). The better quartz-sulfide veining is scarce while the limonite – calcite veinlets appear to be late, possibly related to faulting – shearing, formed from cooler hydrothermal fluids, and not directly related to mineralization. The dykes are similar in appearance to the dykes and intrusive rocks seen at Camp 15-2, the false gossan area, on the NOOC claims. The grey solid outcrop on the west and east side of the limonitic margin is medium grained hornblende magnetite granite, cut by sparse joint sets with minor calcite-limonite veinlets. The area of orange non-magnetic granite extends up the ridge for several hundred meters and there is a poor exposure of it a couple hundred meters to the south (area of sample Q009425).



PHOTO 4. THE DEBICKI OCCURRENCE, LOOKING NORTHERLY AT LIMONITIC WEATHERING SHEARED AND FAULTED GRANODIORITE.

While no significant mineralization was found, the soil and rock geochemistry returned weakly anomalous values for Au, Ag, As, Pb, Sb and Zn. Rock float sample Q009315 of quartz veining and trace sulfides contained 160 ppb Au, 5.2 ppm Ag, 753 ppm Pb, 31 ppm Sb and 2130 Zn. Soil samples (Q009418 to Q009425) taken over the gossanous granite and talus fine samples from the base of limonitic weathered granite outcrop contained a similar suite of weakly anomalous elements (<41.7 ppb gold). The area, while not highly anomalous, extends over hundreds of meters and is open in all directions. The limonitic - gossanous sheared and faulted granite indicates that the margin of the granite body is a prospective target area although glacial till cover and colluvium hinders geochemical exploration, prospecting and mapping.

Camp 16-2 (NOOC Claims)

The geology in the Camp 16-2 (NOOC claims) area can be subdivided into two major components; the upper Cretaceous Open Creek Formation (map unit uKW, Figure 10) and Jurassic Laberge Group (map unit JL, Richthofen Formation). The Lewes River Group (map unit uTrAK, Aksala Formation) is mapped by Colpron (2014) as being in fault contact with the Laberge Group and as the description of the two formations is similar, the actual rock unit(s) found to the east of the Open Creek formation, underlying the Pond Zone and most of the NOOC claims, is uncertain.

The Pond Zone (Figure 11), located on either side of the two small ponds in the valley at the foot of the landslide on the east side of the Open Creek formation, returned a number of rock and soil samples with anomalous gold and pathfinder element values in 2015. Silt sample 122568 collected in 2015 from a meandering creek draining the area (choked with glacially derived sediment), contained 56.1 ppb Au. Whale back type outcrops have been scoured by glaciers from a southeasterly direction, the same trend as the creek and ponds. Outcrops consist of siltstone – sandstone (map unit SS), limestone (map unit LST), shale (map unit SHL), conglomerate (map unit CON) and a carbonate altered intrusive (map unit INT) of undetermined type (intermediate to mafic in composition). The siliciclastics are commonly calcareous (calcite altered?) and the siltstone-sandstone units could be intermediate epiclastics in part and are commonly feldspathic.

All rock types are locally cut by thin quartz and/or carbonate veins and veinlets. There are also local areas of silicification, brecciation and weak zones of carbonate – quartz stockwork. Taken together the scattered outcrops and anomalous rock and soil samples define an anomalous area of about 300 m in an E-W direction and 200 m in an N-S direction.

In 2015 eight rock samples collected from the Pond Zone returned anomalous gold values with one sample (122615) containing 823 ppb Au and seven between 53 – 194 ppb Au (Hulstein, 2015). Silver values are less than 0.9 ppm, antimony is between 3 – 26 ppm and arsenic values for the eight samples range between 12 – 470 ppm (Figures 12 and 13). Other elements of interest returned low to background values. Due to Pleistocene glaciation, the media for effective soil sampling is far from ideal, nevertheless, utilizing a hand soil auger or collecting near surface samples below the low outcrops, anomalous gold values (42.8 and 77.8 ppb) were returned for two samples (Table 2) in 2015. Arsenic for four samples ranged between 31.1 – 153 ppm and antimony values for the same samples are less than 5.49 ppm.

In 2016 prospecting, geochemical rock and soil sampling in the Pond Zone area and areas to the north and south, returned low gold and pathfinder element values similar to those received in 2015. Of five (Q009320 to Q009324) rock samples collected one rock sample (Q009322) over approximately 4 meters of fractured and quartz veined sandstone – siltstone, returned 373 ppb gold (Photo 4). This sample was over a rock grab sample site that returned 194 ppb in 2015 (sample 122916) and a 2016 soil sample (I030102) that contained 42.1 ppb.



PHOTO 5. POND ZONE, ROCK SAMPLE Q009322 (373 PPB AU) FROM STRIPPED OUTCROP AND SOIL SAMPLE I030102 (42.1 PPB AU) AT PINK RIBBON, HAMMER IS APPROXIMATELY 75 CM LONG.

Soil sampling in 2016 over the Pond Zone area returned a number of samples with gold and pathfinder elements consistent with those obtained in 2015. Of 23 samples collected in 2016, six returned between 11.9 ppb and 42 ppb gold. One soil sample (I030121) collected approximately 5 m from a 2015 rock sample (122615) that contained 823 ppb Au contained 830 ppb Au and 2500 ppm As (Photo 6). The 2016 soil sampling both confirmed and helped to fill in and define the Pond Zone gold anomaly. However low values from the few samples collected outside the Pond Zone anomaly coupled with landslide and glacial cover precluded extending the anomaly and obtaining better soil sample coverage.



PHOTO 6. POND ZONE, LOOKING WESTERLY AT SOIL SAMPLE SITE I030121 (830 PPB AU) AND FALSE GOSSAN OVER OPEN CREEK VOLCANICS IN THE BACKGROUND.

The reader is referred to Appendices B and C for full descriptions and analytical results for rock and soil samples respectively, collected in 2015 and 2016.

Typically the Open Creek formation consists of a fine grained grey quartz feldspar hornblende crystal lithic lapilli tuff and is magnetite bearing. The lapilli tuffs may be interlayered with andesitic flows. In 2015, to the northwest side of Camp 16-2 the lapilli tuffs are cut by a NNE near vertical andesite - basalt dyke up to 20 m wide and is flanked by a 2 m wide rhyolite dyke on the west side (Hulstein, 2016). Rock and soil sampling in 2015 over areas underlain by Open Creek volcanics returned low values for gold and pathfinder elements.

The prominent land slide and fault scarp the lapilli tuff weathers orange, giving rise to a false 'gossan' (Photo 2). This orange weathering sets this landslide area apart from other exposures of tuff that were examined to the north. The resulting landslide debris shows flow patterns and spreads out on the valley floor. To the west of the cliff like fault scarp and the bluff that forms an abrupt valley wall are large fissures and slump features indicating the area affected by the landslide is in excess of 1km². The age of the land slide is likely greater than 1200 years before present as apparently undisturbed layers of White River ash were noted on the debris. In spite of the low geochemical values received in 2015 the volcanic stratigraphy, intersection of regional faults and the variable aeromagnetic signature points still to a favorable environment for epithermal mineralization.

GEOCHEMISTRY

All sample and field stations locations were collected by GPS, Garmin model 60CSx, with an accuracy commonly of +/- 3 m, using a UTM grid, NAD83 Datum in zone 8v.

A total of 10 rock samples and 39 soil or talus fines samples were collected as part of the Teslin Mountain Project in 2016. All samples were collected by either Roger Hulstein and submitted by Roger Hulstein to ALS Canada Ltd.'s preparation laboratory in Whitehorse, Yukon. Samples were dried, weighed, crushed or screened as the case may be in Whitehorse and then forwarded to ALS in North Vancouver BC for analysis. Analytical Certificates are presented in Appendix A. Using Microsoft Excel geochemical results were merged with locations and descriptions and are presented in Appendix B for rocks and Appendix C for soils.

For rock samples, analytical procedures included analysis for 35 elements by ICP-AES using a 1 gram pulverized sample split (ALS method ME-ICP41). Gold was also analyzed separately using a 30 gram pulverized sample split and subjected to aqua regia extraction, fire assay and an ICP-AES finish (ALS method Au-ICP21).

Soil samples were screened to -180 um and a 1 gram split was analyzed for 53 elements by ICP-MS (ALS method ME-MS41L). To ensure accuracy gold was also analyzed using a 25 gram sample split by aqua regia extraction and ICP-MS finish (method Au-ST43). One sample (I030121) was over the 100 ppb Au limit for method Au-ST43 and was analyzed separately by ICP-MS to capture the 0.830 ppm Au value (ALS Code Au-AROR43).

Anomalous thresholds for gold and other elements of interest - pathfinders (Ag, Bi, As, Sb, Hg, Cu, Pb, Zn, Mo) were determined by eye and using natural breaks (Jenks) with ESRI ArcGis 10. Significant analytical results are described above under "Project Area Geology and Mineralization".

CONCLUSIONS AND RECOMMENDATIONS

Mineral exploration in 2016 at the Teslin Mountain project examined three separate targets located in 2015, namely; the weakly gossanous Debicki Occurrence, the Plateau area where a soil sample in 2105 returned 1.7 g/t gold and the Pond Zone, subsequently staked in early 2016 as the NOOC claims, where a number of soil and rock samples returned anomalous gold values, up to 823 ppb and 77.8 ppb respectively, and anomalous values for several pathfinder elements (As, Sb, Pb, Zn).

The Debicki occurrence is centered over a limonitic colored ('gossan'), carbonate altered, medium grained granite cut by northeast trending joint sets, faults, intermediate dykes and possibly more felsic dykes. Limonite - calcite veinlets commonly fill joints and fractures, a few chalcedonic veinlets and rarer grey quartz veins with trace sulfides (galena, pyrite and ??) were noted. A rock samples of the better looking veined and sheared granite contained up to 160 ppb Au, 5.2 ppm Ag, 753 ppm Pb, 31 ppm Sb and 2130 Zn. Eight soil and talus fine samples collected over the gossanous granite and from the base of the limonitic weathered granite cliff outcrop contained a similar suite of weakly anomalous elements (<41.7 ppb Au). The area, while not highly anomalous, extends over hundreds of meters and is open in all directions. The limonitic - gossanous sheared and faulted granite indicates that the margin of the granite body remains a prospective target area although glacial till cover and colluvium hinders geochemical exploration, prospecting and mapping.

At the Plateau Area, a recessive zone, hosting the 1.7 g/t gold sample, was traced for over 700 m. A rock sample collected in 2016 within 20 m of the 2016 1.7 g/t gold in soil sample contained 619 ppb Au with no accompanying anomalous pathfinder elements. An additional rock sample and six soil samples collected on trend returned low values for gold and pathfinder elements. Prospecting in the area, underlain by intermediate volcanic rocks, failed to find additional recessive zones, significant felsic dykes or quartz veining. It is unlikely that additional work would improve on the marginal nature of this prospective area.

Rock and soil sampling based out of Camp 16-2 on the NOOC claims focused on the Pond Zone. The area has an approximate current minimum extent of 300 m by 200 m based on scattered outcrops of quartz and/or carbonate-veined shale, siltstone – sandstone – conglomerate, limestone and carbonate-altered intrusive of indeterminate type (likely intermediate to mafic in composition). All units are likely part of the Jurassic Laberge Group. There are also local areas of silicification, brecciation and weak zones of carbonate – quartz stockwork.

A total of five rock and 23 soil samples confirmed the anomalous results obtained in 2015, but did not extend the anomalous area or locate higher grade mineralization. A rock sample best described as a rough chip over approximately 4 m of quartz veined and sheared sandstone - siltstone returned 373 ppb gold. A soil sample collected within 5 m of the 2015 highest gold in rock sample (823 ppb) returned 830 ppb gold and 2500 ppm arsenic. The quartz veining and fracturing – shearing appear to be late stage and possibly high level, likely related to faulting and perhaps the nearby Open Creek volcanic formation.

However low values from the few samples collected outside the Pond Zone anomaly coupled with landslide and glacial cover precluded extending the anomaly and obtaining better soil sample coverage. Although the Pond Zone and surrounding area have been prospected and sampled for about four person days in 2015 and 2016, the exact nature of the mineralization and its limits are still unknown and additional work in this area is required to determine its significance.

Based on the work and anomalous results obtained in 2016 on the Teslin Mountain project area additional work is warranted and recommended at the Debicki occurrence and Pond Zone. Additional prospecting, rock sampling and possibly selective soil sampling is required at both areas. The area surrounding the Debicki occurrence needs to be explored to determine its significance and potential structural controls. In more of a regional context the granitoid that abuts the

Golden Predator claims and hosts the Debicki occurrence needs to be examined to see what part it might play in a gold mineralizing system.

No further work is recommended in the Plateau area.

At the Pond Zone, where the glacial cover severely hinders exploration, limited additional surface work such as trenching the gold in rock samples located to date should be carried out to determine the character and extent of known mineralization. A low level close-spaced aeromagnetic survey, or alternatively a ground based survey, is recommended over this area to help determine trends obscured by the glacial cover. Any trends suspected of being related to the anomalous rock and soil samples would likely need to be further evaluated by geophysics, such as IP and or EM, followed by trenching and or drilling, depending on the depth of glacial cover.

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STATEMENT OF QUALIFICATIONS

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 author of this report on the Teslin Mountain Project in the Whitehorse Mining District, Yukon.
6. The report is based on personal examination of the ground from: June 20 – 27th, 2015; August 8,9, 2016 and September 23, 24, 2016 and on referenced sources.

Roger Hulstein, P.Geol.

January 9, 2017

Appendix A
Analytical Certificates

Appendix B

**Rock Sample Descriptions
and
Analytical Results**

Teslin Mountain Project

2015 and 2016 Rock Samples

Sample No.	type	Date	Grid	Datum	Zone	UTM E	UTM N	CAMP	Description	sample notes	Samp No.	Au-ICP21-ppm	Au-ICP21-ppb	Ag_ppm	Al_per	As_ppm	B_ppm	Ba_ppm	Be_ppm
122603	rock	20-Jun-15	UTM	NAD83	8v	519921	6766066	Camp 1	rock float/subcrop, of rusty limonite weathering carb altered br qtz - bleached andesite, thin x-cutting qtz veinlets, almost chalcedonic in places. white-weathering blocks of f.g. sugary white to grey felsic dyke? W f.g. brownish py blebs, some banding. Blocky, massive, recessive zone. Trend 160/340	Subcrop	122603	0.015	15	0.2	0.93	9	10	20	0.5
122604	rock	20-Jun-15	UTM	NAD83	8v	520641	6766089	Camp 1	quartz-garnet (red) float, weathered vugs with limonite, tr py, 2 small cobbles.	s/c ?	122604	0.001	1	0.2	0.78	4	10	80	0.5
122605	rock	20-Jun-15	UTM	NAD83	8v	520751	6766018	Camp 1	quartz-magnetite- py (20%) float	float	122605	0.001	1	0.2	0.08	25	10	20	0.5
122606	rock	20-Jun-15	UTM	NAD83	8v	521629	6765824	Camp 1	Float in gully, brx-shr'd andesite?, (dyke? Salt and pepper texture), not green andesite wallrock, heavy limonite-FeOx locally.	float	122606	0.006	6	0.2	0.04	147	10	20	0.5
122607	rock	21-Jun-15	UTM	NAD83	8v	521803	6766421	Camp 1	In gully, angular Float north side of gully, of reddish brown weathering grey granular qtz - minor jasperoid - belbs and diss of magnetite, vein - brx. Similar to 122606 but no py.	float	122607	0.001	1	0.2	1.43	5	10	200	0.6
122608	rock	21-Jun-15	UTM	NAD83	8v	522173	6765627	Camp 1	subcrop of dark brown weathering brecciated granular qtz with diss magnetite (no jasper or py) x-cutting brown weathering non siliceous bleached altered fine grained 'intrusive'.	float	122608	0.152	152	0.3	0.19	301	10	10	0.5
122609	rock	22-Jun-15	UTM	NAD83	8v	521054	6766036	Camp 1	qtz-jasper-magnetite float, tr < 0.5% dis pyrite and weathered out pyrite, approx 25% jasper as irregular clasts and filling, dark grey granular qtz. Patches of white qtz - hbl porphyry float with qtz-jasper-magnetite.	float	122609	0.112	112	0.3	0.12	364	10	50	0.5
122610	rock	22-Jun-15	UTM	NAD83	8v	521135	6766042	Camp 1	grab of qtz veinlets, spaced 2-3 cm, x-cutting intermediate volcanic +/- brx, autobrx; contains diss magnetite.	float	122610	0.004	4	0.2	0.03	28	10	40	0.5
122611	rock	23-Jun-15	UTM	NAD83	8v	523838	6775574	Camp 2	rock grab of calcite veined andesite near andesite - rhy dyke contact.	outcrop	122611	0.001	1	0.2	0.51	29	10	60	0.5
122612	rock	23-Jun-15	UTM	NAD83	8v	523979	6775809	Camp 2	Grab of <= 1 cm qtz vein, clear light grey qtz, X/c'ing dirty calcareous sandstone.	outcrop	122612	0.001	1	0.2	1.1	51	10	90	0.5
122613	rock	24-Jun-15	UTM	NAD83	8v	528423	6773639	Camp 2	Tan weathering carb alt feld phyr volcanic - intrusive X/C by qtz - calcite veinlets. Grab of qtz with rare fine grained acicular silver sulfides(?) < 1-2 mm size	outcrop	122613	0.01	10	0.2	0.64	24	10	410	0.5
122614	rock	24-Jun-15	UTM	NAD83	8v	528392	6773668	Camp 2	grab of qtz veining cross cutting carb altered feld phyr volcanic. Trace Sx.	outcrop	122614	0.053	53	0.2	0.86	86	10	50	0.5
122615	rock	24-Jun-15	UTM	NAD83	8v	528379	6773682	Camp 2	dirty calcareous sandstone/ arkose cut by 1 cm orange calcite vein, qtz in core and limonitic selvages	outcrop	122615	0.823	823	0.9	0.74	462	10	70	0.5
122616	rock	26-Jun-15	UTM	NAD83	8v	528164	6773631	Camp 2	White fine grained bull qtz vein approx 6 cm wide cross cutting variably brecciated and siliceous grey fine grained shale. "Siliceous brx zone with qtz vein in middle" (DH). Minor limonite.	outcrop	122616	0.003	3	0.2	1.76	3	10	40	0.7
122617	rock	26-Jun-15	UTM	NAD83	8v	528081	6773640	Camp 2	White - light tan weathering very small 1x 0.5 m outcrop. Carb alt dyke? Weathered out limonite -ankerite(?) feldspar phenos in light grey aphanitic matrix.	outcrop	122617	0.187	187	0.2	0.57	90	10	50	0.5
122618	rock	26-Jun-15	UTM	NAD83	8v	528428	6773609	Camp 2	Rough chip vertically over 1 m. Across O/C fractures. Flat lying <1cm qtz veinlets and oblique veinlets <2cm wide plus minor </=1-3mm random veinlets. Overall approx 5% qtz in sample and wall rock of brown weathering carb alt intrusive/volcanic. Sample approx 2 m west of 122614.	outcrop	122618	0.009	9	0.2	0.82	21	10	150	0.5
122619	rock	26-Jun-15	UTM	NAD83	8v	528392	6773665	Camp 2	approx 8m rough chip - panel across o/c of 122614 and 122619. same veining and wallrock as 614 and 619). </= 5% qtz in sample, lim and tr py.	outcrop	122619	0.079	79	0.2	0.68	112	10	40	0.5
122620	rock	26-Jun-15	UTM	NAD83	8v	528392	6773665	Camp 2	small 0.3 X 0.3 m O/C of dark grey limonitic coarse grained carbonate alt mafic rock, ie. Gabbro? X/C by </= 1 cm banded qtz - carb vein. Non magnetic.	outcrop	122620	0.099	99	0.2	0.72	106	10	60	0.5
122621	rock	26-Jun-15	UTM	NAD83	8v	528351	6773784	Camp 2	Weak qtz veining and shearing X/c altered intrusion, over approx 0.3m med grained, limonitic feldspars. Located near W end of whaleback o/c and approx 25 m from dirty sandst contact with small intermediate dyke at contact.	outcrop	122621	0.003	3	0.2	0.73	22	10	60	0.5
122622	rock	26-Jun-15	UTM	NAD83	8v	528279	6773814	Camp 2	Grab from small o/c face, qtz stkwk x/c by what looks to be alt brx intrusive as at 122614.	outcrop	122622	0.002	2	0.2	0.75	4	10	50	0.5
122623	rock	26-Jun-15	UTM	NAD83	8v	528132	6773813	Camp 2	grab of qtz veining over 6", white to light grey qtz, trace dis fine grained pyrite. X/c'ing carb alt feld phyr volcanic - intrusive.	outcrop	122623	0.098	98	0.2	0.45	12	10	40	0.5
122624	rock	24-Jun-15	UTM	NAD83	8v	528382	6773680	Camp 2		outcrop	122624	0.64	640	0.6	0.5	470	10	40	0.5

Teslin Mountain Project

2015 and 2016 Rock Samples

Sample No.	Bi_ppm	Ca_per	Cd_ppm	Co_ppm	Cr_ppm	Cu_ppm	Fe_per	Ga_ppm	Hg_ppm _icp41	K_per	La_ppm	Mg_per	Mn_ppm	Mo_ppm	Na_per	Ni_ppm	P_per	Pb_ppm	S_per	Sb_ppm	Sc_ppm	Sr_ppm	Th_ppm	Ti_per	Tl_ppm	U_ppm	V_ppm	W_ppm	Zn_ppm	certificate
122603	2	1.67	0.5	11	46	3	2.8	10	1	0.02	10	0.73	467	6	0.13	20	340	5	0.01	2	7	28	20	0.01	10	10	70	10	67	WH15096954
122604	2	0.26	0.5	2	7	4	0.55	10	1	0.13	10	0.13	46	1	0.14	1	210	5	0.01	2	1	33	20	0.01	10	10	3	10	8	WH15096954
122605	2	3.64	0.5	1	22	17	7.94	10	1	0.01	10	0.01	419	2	0.01	2	130	6	0.01	2	1	2	20	0.01	10	10	6	10	8	WH15096954
122606	2	0.04	0.5	1	15	4	6.02	10	1	0.01	10	0.01	58	2	0.01	1	220	5	2.73	3	1	1	20	0.01	10	10	22	10	6	WH15096954
122607	2	0.04	0.5	23	34	32	7.39	10	1	0.16	10	0.03	934	1	0.01	28	610	4	0.01	2	12	5	20	0.01	10	10	104	10	72	WH15096954
122608	2	0.02	0.5	4	21	156	13.7	10	1	0.01	10	0.01	166	12	0.01	7	670	13	0.03	11	1	1	20	0.01	10	10	126	10	38	WH15096954
122609	2	0.03	0.5	11	23	56	5.6	10	1	0.01	10	0.01	166	3	0.01	4	250	4	0.02	10	1	2	20	0.01	10	10	48	10	12	WH15096954
122610	2	1.81	0.5	1	23	7	5.6	10	1	0.01	10	0.02	283	1	0.01	2	130	6	0.03	2	1	2	20	0.01	10	10	13	10	7	WH15096954
122611	2	4.36	0.5	13	44	14	3.6	10	1	0.08	10	3.07	1470	3	0.14	34	1100	4	0.04	2	9	80	20	0.02	10	10	74	10	64	WH15096954
122612	2	10.2	0.5	12	24	13	3.23	10	1	0.11	10	2.42	1590	4	0.2	27	600	4	0.03	2	9	234	20	0.03	10	10	49	10	34	WH15096954
122613	2	5.76	0.5	16	26	50	3.91	10	1	0.13	10	0.9	851	1	0.02	14	530	4	0.02	3	16	239	20	0.01	10	10	109	10	57	WH15096954
122614	2	3.07	0.5	4	9	5	1.38	10	1	0.1	10	1	367	1	0.01	8	430	8	0.06	3	3	186	20	0.01	10	10	15	10	19	WH15096954
122615	2	4.93	0.5	15	15	57	3.4	10	1	0.1	10	1.42	961	1	0.01	18	440	7	0.33	25	12	184	20	0.01	10	10	83	10	59	WH15096954
122616	2	5.23	0.5	9	18	39	3.73	10	1	0.08	10	0.74	743	1	0.03	8	470	6	0.01	2	10	119	20	0.01	10	10	94	10	69	WH15096954
122617	2	0.38	0.5	4	12	41	1	10	1	0.05	10	0.06	91	1	0.01	5	420	3	0.04	9	3	13	20	0.01	10	10	38	10	23	WH15096954
122618	2	1.92	0.5	4	4	4	1.52	10	1	0.21	20	0.42	394	1	0.02	3	320	18	0.02	2	4	174	20	0.01	10	10	22	10	33	WH15096954
122619	2	1.64	0.5	4	7	7	1.04	10	1	0.08	10	0.39	259	1	0.01	11	270	8	0.06	4	3	92	20	0.01	10	10	10	10	21	WH15096954
122620	2	3.13	0.5	4	6	5	1.56	10	1	0.1	10	0.99	413	1	0.01	12	400	9	0.05	5	3	240	20	0.01	10	10	11	10	27	WH15096954
122621	2	5.24	0.5	5	7	3	1.72	10	1	0.08	10	1.25	458	1	0.01	10	160	7	0.01	2	3	339	20	0.01	10	10	14	10	26	WH15096954
122622	2	3.29	0.5	4	8	4	1.27	10	1	0.09	10	0.11	209	1	0.02	11	550	7	0.01	2	3	125	20	0.01	10	10	17	10	28	WH15096954
122623	2	0.35	0.5	8	11	27	2.47	10	1	0.11	10	0.1	422	1	0.01	11	320	4	0.01	7	6	24	20	0.01	10	10	24	10	42	WH15096954
122624	2	1.45	0.5	6	7	20	1.88	10	1	0.1	10	0.25	290	2	0.01	10	230	6	0.35	26	4	85	20	0.01	10	10	14	10	23	WH15096954

Teslin Mountain Project

2015 and 2016 Rock Samples

Sample No.	type	Date	Grid	Datum	Zone	UTM E	UTM N	CAMP	Description	sample notes	Samp No.	Au-ICP21-ppm	Au-ICP21-ppb	Ag_ppm	Al_per	As_ppm	B_ppm	Ba_ppm	Be_ppm
122901	rock		UTM	NAD83	8v	519910	6766062	Camp 1	limonite-coated s/c of green phaneretic volc w mottled dk green patches. F.g. sulphides (po?) in fractures and diss in blebs (< 1%)	s/c	122901	0.009	9	0.5	4.64	9	10	30	0.5
122902	rock		UTM	NAD83	8v	519911	6766062	Camp 1	white-weathering, dirty beige f.g. sugary dyke or qtz vein, w some carbonate. 1-2m wide. Same general area as 122901 and 903	o/c	122902	0.007	7	0.2	0.49	5	10	10	0.5
122903	rock		UTM	NAD83	8v	519913	6766063	Camp 1	oxidized mafic volc near margin of dyke/vein of sample 122902. Trend unclear, 020 deg?	o/c	122903	0.003	3	0.2	0.84	14	10	40	0.5
122904	rock		UTM	NAD83	8v	522174	6765677	Camp 1	in trace of QP dyke, jasper-qtz-hem-mt rx	float	122904	0.003	3	0.2	0.04	18	10	10	0.5
122905	rock		UTM	NAD83	8v	522136	6765674	Camp 1	trail of carbonate-altered felsic ? dyke	float	122905	0.001	1	0.2	0.42	2	10	40	0.5
122906	rock		UTM	NAD83	8v	522549	6765362	Camp 1	volcaniclastic cgl, w thin limoitic fractures w py xtals and recessive leached out vugs, 1 cm thick	o/c	122906	0.005	5	0.5	2.44	6	10	20	0.5
122907	rock		UTM	NAD83	8v	523846	6775568	Camp 2	dk brown weathering f.g. brownish volc rx we 1 cm black mt veins rimmed by qtz-cc	float	122907	0.001	1	0.2	0.64	17	10	120	0.5
122908	rock		UTM	NAD83	8v	523850	6775570	Camp 2	maroon/brown strongly vesicular andesite/ basalt/ w vugs filled w calcite and amorphous green mineral (zeolite?)	float	122908	0.001	1	0.2	0.96	2	10	70	0.5
122909	rock		UTM	NAD83	8v	523855	6775575	Camp 2	carbonate breccia w small fragments lined w radiating calcite xtals, numerous vugs w bladed calcite (open space xtallization)	float	122909	0.001	1	0.2	0.39	57	10	50	0.6
122910	rock		UTM	NAD83	8v	523860	6775580	Camp 2	in altered volc? Vug lined by bladed radial qtz-carb xtals w chalcidonic purplish qtz in core	float	122910	0.001	1	0.2	0.38	2	10	2120	0.5
122911	rock		UTM	NAD83	8v	527176	6773976	Camp 2	bleached xtal tuff w strong oxidation on fractures, pervasive fracturing 1/ 1 cm, still magnetic, no sulph	talus off o/c	122911	0.001	1	0.2	0.81	2	10	230	0.5
122912	rock		UTM	NAD83	8v	527225	6774014	Camp 2	rusty-weathering xtal tuff w groundmass altered to light yellow-green colour (sericite?). Float in talus	float	122912	0.001	1	0.2	1.1	2	10	350	0.5
122913	rock		UTM	NAD83	8v	527364	6773899	Camp 2	rusty-weathering, white, bleached stal tuff w sl clay-altered groundmass and mafics	float	122913	0.001	1	0.2	0.88	2	10	170	0.5
122914	rock		UTM	NAD83	8v	527542	6773781	Camp 2	pervasively bleached tuff w limonitic fract. No flag in field.	float	122914	0.001	1	0.2	1.02	16	10	140	0.5
122915	rock		UTM	NAD83	8v	528292	6773810	Camp 2	altered intrusive rx, limonitic, some thin hairline veinlets w narrow bleached haloes	o/c	122915	0.001	1	0.2	0.49	4	10	40	0.5
122916	rock		UTM	NAD83	8v	528134	6773810	Camp 2	zone of intense qtz stockwork and brecciation in altered intrusive rx, like stn across swamp.	o/c	122916	0.194	194	0.5	0.27	19	10	180	0.5
122917	rock		UTM	NAD83	8v	527911	6773314	Camp 2	float of orange lapilli lithic tuff at camp, some fx altered green.	float	122917	0.001	1	0.2	0.75	2	10	470	0.5
Q009315	rock	8-Aug-16	UTM	NAD83	8v	523540	6767412	camp16-1	Quartz vein, grab sample from cliff outcrop of grussy granodiorite. White - light grey fine grained quartz veining <= 2cm wide. Crude banding, diss pyrite on margins + limonite, and tr diss galena (or other grey sulfides).	grab	Q009315	0.16	160	5.2	0.3	33	10	450	0.5
Q009316	rock	8-Aug-16	UTM	NAD83	8v	523626	6767420	camp16-1	Float; talus from cliff outcrop of argillic altered granodiorite(?) with 1-3% diss pyrite	float	Q009316	0.107	107	5.1	0.3	29	10	920	0.5
Q009317	rock	9-Aug-16	UTM	NAD83	8v	521839	6766444	camp16-1	limonite weathering aphanitic felsic - rhyolite dyke rubble, minor white qtz veining, tr diss py.	float	Q009317	0.619	619	0.2	0.45	4	10	90	0.5
Q009318	rock	9-Aug-16	UTM	NAD83	8v	521866	6766450	camp16-1	Aphanitic rhyolite, qtz veining (as Q009317) rubble and clay collected at 2015 anomalous soil sample.	float	Q009318	0.007	7	0.2	0.73	2	10	70	0.5
Q009319	rock	9-Aug-16	UTM	NAD83	8v	521463	6766462	camp16-1	Limonite coated, fault (breccia?); angular maroon - tan siliceous clasts in limonite rock flour matrix. Fairly abundant in gully, felsic dyke rock and glacial exotic float also present.	float	Q009319	0.001	1	0.2	0.65	15	10	160	0.6
Q009320	rock	23-Sep-16	UTM	NAD83	8v	528093	6774128	Nooc Cl	White weathering, well foliated almost sheared felsic epiclastic (Open Creek volcanic), rhyolite, dacite, shale clasts, possibly very fine grained diss sulfides	grab	Q009320	0.001	1	0.2	1.02	4	10	220	0.5
Q009321	rock	23-Sep-16	UTM	NAD83	8v	528218	6773844	Nooc Cl	Grab from small outcrop of brown calcareous sandstone-siltstone, weakly brecciated and qtz-calcite veined, trace pyrite.	grab	Q009321	0.006	6	0.2	0.53	41	10	60	0.5
Q009322	rock	24-Sep-16	UTM	NAD83	8v	528131	6773817	Nooc Cl	Rough chip 4 m horizontally across outcrop of brecciated sandstone cut by qtz - calcite veining in brittle fractures. Looks late, high level and tectonic related.	grab	Q009322	0.373	373	0.7	0.45	18	10	40	0.5
Q009323	rock	24-Sep-16	UTM	NAD83	8v	528306	6773735	Nooc Cl	Subcrop of feldspar phryic andesite cross cut by fine grained light grained light grey white qtz veinlets.	float	Q009323	0.014	14	0.2	0.39	19	10	790	0.5
Q009324	rock	24-Sep-16	UTM	NAD83	8v	528481	6773690	Nooc Cl	SE end of low hump - hill of grey limestone, weakly altered, fine grained minor calcite veinlets.	grab	Q009324	0.001	1	0.2	0.03	4	10	10	0.5

Teslin Mountain Project

2015 and 2016 Rock Samples

Sample No.	Bi_ppm	Ca_per	Cd_ppm	Co_ppm	Cr_ppm	Cu_ppm	Fe_per	Ga_ppm	Hg_ppm _icp41	K_per	La_ppm	Mg_per	Mn_ppm	Mo_ppm	Na_per	Ni_ppm	P_per	Pb_ppm	S_per	Sb_ppm	Sc_ppm	Sr_ppm	Th_ppm	Ti_per	Tl_ppm	U_ppm	V_ppm	W_ppm	Zn_ppm	certificate
122901	2	3.75	0.5	11	78	355	3.46	10	1	0.07	10	0.64	371	1	0.36	18	390	11	0.26	2	9	136	20	0.3	10	10	90	10	56	WH15096954
122902	2	0.52	0.5	2	13	3	0.48	10	1	0.01	10	0.36	125	1	0.15	4	530	4	0.01	2	1	8	20	0.09	10	10	15	10	14	WH15096954
122903	2	0.46	0.5	4	40	45	1.67	10	1	0.05	10	0.4	162	1	0.14	28	260	15	0.1	2	5	18	20	0.12	10	10	43	10	37	WH15096954
122904	2	0.04	0.5	6	26	10	7.88	10	1	0.01	10	0.01	56	1	0.01	5	100	3	0.01	2	1	1	20	0.01	10	10	16	10	6	WH15096954
122905	2	1.43	0.5	2	4	1	0.87	10	1	0.01	30	0.04	359	1	0.1	4	390	6	0.01	2	3	13	20	0.01	10	10	17	10	32	WH15096954
122906	2	2.58	0.5	19	63	640	5.23	10	1	0.09	10	0.61	325	1	0.28	23	530	9	0.69	2	8	43	20	0.25	10	10	134	10	51	WH15096954
122907	2	2.22	0.5	9	34	15	3.26	10	1	0.07	10	1.47	928	2	0.18	31	1090	5	0.29	2	5	68	20	0.07	10	10	69	10	38	WH15096954
122908	2	2.01	0.5	14	68	25	3.35	10	1	0.14	20	0.7	840	1	0.18	44	1490	2	0.01	2	11	92	20	0.1	10	10	81	10	56	WH15096954
122909	2	13.4	0.5	9	31	7	4.03	10	1	0.07	10	7.41	3900	6	0.09	31	570	2	0.01	2	16	164	20	0.02	10	10	70	10	48	WH15096954
122910	2	7.4	0.5	10	29	8	2.11	10	1	0.03	10	4.45	3620	1	0.09	40	340	2	0.05	2	4	134	20	0.05	10	10	31	10	38	WH15096954
122911	2	0.47	0.5	1	15	6	2.55	10	1	0.19	10	0.51	290	2	0.15	3	920	8	0.03	2	4	40	20	0.12	10	10	69	10	25	WH15096954
122912	2	0.25	0.5	1	11	11	2.9	10	1	0.31	20	0.75	225	3	0.18	1	740	11	0.45	2	5	135	20	0.03	10	10	59	10	29	WH15096954
122913	2	0.22	0.5	1	16	3	2.81	10	1	0.21	20	0.43	188	2	0.14	1	870	8	0.4	2	5	56	20	0.06	10	10	75	10	22	WH15096954
122914	2	0.19	0.5	1	11	9	2.14	10	1	0.2	10	0.56	130	2	0.1	1	340	5	0.27	2	4	58	20	0.02	10	10	50	10	14	WH15096954
122915	2	1.17	0.5	2	8	13	1.32	10	1	0.09	10	0.05	144	1	0.04	5	590	4	0.02	2	2	54	20	0.01	10	10	19	10	21	WH15096954
122916	2	0.07	0.5	3	14	36	0.95	10	1	0.05	10	0.03	177	1	0.01	3	90	2	0.02	12	3	10	20	0.01	10	10	18	10	16	WH15096954
122917	2	0.28	0.5	1	3	1	0.36	10	1	0.24	30	0.12	170	1	0.81	1	120	10	0.02	2	1	23	20	0.01	10	10	3	10	19	WH15096954
Q009315	2	0.49	27.9	5	9	182	1.32	10	1	0.13	20	0.15	575	7	0.01	3	220	753	0.49	31	1	14	20	0.01	10	10	4	10	2130	WH16131821
Q009316	2	0.12	0.5	4	6	7	1.74	10	1	0.12	20	0.03	639	2	0.01	4	230	36	0.19	3	1	24	20	0.01	10	10	8	10	39	WH16131821
Q009317	2	0.06	0.5	4	8	29	1.87	10	1	0.16	20	0.03	135	1	0.02	5	190	4	0.01	2	2	8	20	0.01	10	10	20	10	20	WH16131821
Q009318	2	0.2	0.5	2	3	12	0.71	10	1	0.08	10	0.07	81	1	0.04	2	340	5	0.01	2	1	14	20	0.01	10	10	6	10	12	WH16131821
Q009319	2	0.08	0.5	11	14	14	3.55	10	1	0.01	20	0.02	975	1	0.01	14	760	5	0.01	2	5	5	20	0.01	10	10	106	10	61	WH16131821
Q009320	2	1	0.5	6	10	10	2.47	10	1	0.16	20	0.35	652	1	0.05	7	820	75	0.05	2	6	49	20	0.03	10	10	45	10	167	WH16163702
Q009321	2	4.7	0.5	9	13	32	2.55	10	1	0.11	10	1.67	626	1	0.01	14	200	46	0.03	2	5	385	20	0.01	10	10	36	10	88	WH16163702
Q009322	2	0.15	0.5	10	14	64	2.78	10	1	0.09	10	0.08	540	1	0.01	13	530	23	0.01	5	10	14	20	0.01	10	10	45	10	67	WH16163702
Q009323	2	1.59	0.5	3	12	14	1.3	10	1	0.04	10	0.5	303	1	0.01	10	360	20	0.05	2	2	94	20	0.01	10	10	13	10	30	WH16163702
Q009324	2	25	0.5	1	8	2	0.13	10	1	0.02	10	0.1	119	1	0.01	1	170	9	0.01	2	1	311	20	0.01	10	10	5	10	15	WH16163702

Appendix C
Soil Sample Descriptions
And
Analytical Results

2015 and 2016 Soil Samples

Samp_No	Type	Date	Grid	Datum	Zone	UTM_East	UTM_North	Camp	Description	medium	person	Samp_No	Au_ST43_ppm	Au_ST43_PPb	Au_MS41L_ppm	Au_MS41L_PPb	Ag_ppm	Al_per	As_ppm	B_ppm
122551	soil	22-Jun-15	UTM	NAD83	8v	521804	6765778	Camp 1	soil from 10m patch of lim - carb alt feldspar porphyry (or strongly alt feldspar phyruc andesite?).	C horiz	RH	122551	0.0034	3.4	0.0042	4.2	0.145	2.34	24.8	10
122552	soil	22-Jun-15	UTM	NAD83	8v	521607	6765817	Camp 1	Rusty limonitic frost boil- bleached felsic porphyry intrusive float. Also nearby float boulders of dark brown weathered qtz-magnetite +/- jasperoid. Appears to follow 295 trend.	soil	RH	122552	0.0032	3.2	0.0025	2.5	0.065	1.71	46.2	10
122553	soil	22-Jun-15	UTM	NAD83	8v	521199	6766220	Camp 1	In gully, lim tan . And-basalt and white qtz porph float, Sample in qtz porph.	talus fines	RH	122553	0.0022	2.2	0.0008	0.8	0.049	1.72	27.5	10
122556	soil	22-Jun-15	UTM	NAD83	8v	521528	6765083	Camp 1	Soil from base of feldspar - hornblende porphyry o/c and scree.	talus fines	RH	122556	0.0135	13.5	0.0061	6.1	0.077	1.35	6.29	10
122558	soil	23-Jun-15	UTM	NAD83	8v	523840	6775574	Camp 2	At base of cliff; magnetite diss in intermediate volcanic +/- brx, autobrx, minor X-cutting qtz - mag veinlets and chalcadonic qtz.	talus fines	RH	122558	0.003	3	0.0029	2.9	0.042	1.43	13.7	10
122559	soil	23-Jun-15	UTM	NAD83	8v	523976	6775809	Camp 2	soil from talus below rhyolite - basalt dyke contacts with qtz veining and shearing along contact.	talus fines	RH	122559	0.006	6	0.0061	6.1	0.076	1.8	177	10
122560	soil	23-Jun-15	UTM	NAD83	8v	523952	6775616	Camp 2	soil of light green sandy clay at base of cliff - top of landslide material.	talus fines	RH	122560	0.0007	0.7	0.0002	0.2	0.052	2.02	7.31	10
122561	soil	23-Jun-15	UTM	NAD83	8v	523971	6775565	Camp 2	Light green lapilli tuff, Mn on fracture, sericite altered.	C horiz	RH	122561	0.0004	0.4	0.0002	0.2	0.077	3.48	1.19	10
122562	soil	24-Jun-15	UTM	NAD83	8v	528425	6773644	Camp 2	white clay - muck! Maybe due to intense alteration?	talus fines	RH	122562	0.0428	42.8	0.0442	44.2	0.165	0.95	153	10
122563	soil	24-Jun-15	UTM	NAD83	8v	528357	6773721	Camp 2	from base of small outcropping brown weathering brown lithic sandstone to conglomerate (congl only found in float), calcareous matrix, Mn on fracture - clast surfaces.	talus fines	RH	122563	0.0021	2.1	0.0016	1.6	0.527	0.54	32.5	10
122564	soil	25-Jun-15	UTM	NAD83	8v	527361	6773476	Camp 2	grey soil below small grey limestone o/c, x/c by irregular calcite veinlets, float block with slicks and crackle brx - X/c by calcite veinlets.	talus fines	RH	122564	0.0004	0.4	0.0009	0.9	0.096	1.53	1.03	10
122565	soil	25-Jun-15	UTM	NAD83	8v	526775	6773761	Camp 2	at base of o/c of vesicular grey tuff (15DH71 station)	talus fines	DH/RH	122564	0.0004	0.4	0.0009	0.9	0.096	1.53	1.03	10
122567	soil	25-Jun-15	UTM	NAD83	8v	526459	6773649	Camp 2	soil from dry hump in bowl - likely glacial origin, rounded boulders 25cm deep, ok sample	soil	RH	122565	0.0007	0.7	0.0006	0.6	0.079	1.62	7.71	10
122851	soil		UTM	NAD83	8v	522338	6765522	Camp 1	light brown soil with ash - volcanic float as at station RH15133, dry hump.	soil	RH	122567	0.0005	0.5	0.0003	0.3	0.087	1.43	7.13	10
122852	soil		UTM	NAD83	8v	522511	6765352	Camp 1	in flat area at break in slope, gopher excavation enhanced by dog excavation	talus fines	DH	122851	0.0033	3.3	0.0013	1.3	0.139	1.69	8.77	10
122853	soil		UTM	NAD83	8v	522175	6765676	Camp 1	in flat area at break in slope B horiz, below loess, light, insufficient sample?	talus fines	DH	122852	0.0027	2.7	0.0006	0.6	0.109	1.13	5.24	10
122854	soil		UTM	NAD83	8v	523984	6775560	Camp 2	soil 1m down from rx 122904	talus fines	DH	122853	0.004	4	0.0024	2.4	0.142	0.88	2.84	10
122855	soil		UTM	NAD83	8v	527178	6773974	Camp 2	in rusty volc near clayey poorly consolidated greenish lapilli tuff	talus fines	DH	122854	0.0034	3.4	0.0026	2.6	0.096	1.28	43.2	10
122856	soil		UTM	NAD83	8v	527259	6773988	Camp 2	2m east of chute of rusty rx and rx sample 122911. Talus fines	talus fines	DH	122855	0.0019	1.9	0.0002	0.2	0.398	1.59	3.47	10
122857	soil		UTM	NAD83	8v	527301	6773970	Camp 2	yellowish talus fines in narrow zone of strongly limonitic fractures in xtal tuff, where groundmass is altered white and sl clayey but mafics still fresh. (hope to have big enough sample)	talus fines	DH	122856	0.0034	3.4	0.0033	3.3	0.357	1.66	42	10
122858	soil		UTM	NAD83	8v	527363	6773900	Camp 2	talus fines in steep talus chute. Below unaltered xtal tuff and one zone of rusty 'rings' on weathered surface	talus fines	DH	122857	0.0015	1.5	0.0009	0.9	0.105	1.73	20.8	10
122859	soil		UTM	NAD83	8v	527432	6773801	Camp 2	area of float of rx 122913	talus fines	DH	122858	0.0029	2.9	0.0021	2.1	0.148	1.64	6.79	10
122860	soil		UTM	NAD83	8v	527541	6773783	Camp 2	coarse talus fines in talus of maroon lapilli tuff, some with hematized or kspars altered fspars	talus fines	DH	122859	0.0018	1.8	0.0016	1.6	0.195	1.74	1.72	10
122861	soil		UTM	NAD83	8v	527464	6773735	Camp 2	talus fines in area of bleached rusty rx. Area of rx 122914.	talus fines	DH	122860	0.0023	2.3	0.0014	1.4	0.13	1.43	4.46	10
122862	soil		UTM	NAD83	8v	527458	6773681	Camp 2	talus fines, looks like silt? Below fg brownish massive unit (andesite?)	talus fines	DH	122861	0.0015	1.5	0.0005	0.5	0.119	1.42	1.44	10
122863	soil	26-Jun-15	UTM	NAD83	8v	528204	6773572	Camp 2	talus fines, silty sandy, back in tuff unit	talus fines	DH	122862	0.0008	0.8	0.0006	0.6	0.074	1.49	0.96	10
122864	soil	26-Jun-15	UTM	NAD83	8v	528081	6773640	Camp 2	talus fines, on knoll, limy siltstone - sandstone	talus fines	RH	122863	0.0013	1.3	0.0009	0.9	0.134	2.22	6.57	10
122865	soil	26-Jun-15	UTM	NAD83	8v	528275	6773611	Camp 2	talus fines, bedrock of quartz veined grey shale	talus fines	RH	122864	0.0778	77.8	0.0811	81.1	0.162	2.02	34.5	10
122866	soil	26-Jun-15	UTM	NAD83	8v	528410	6773693	Camp 2	reddish soil on top of small knoll	soil	DH	122865	0.0021	2.1	0.0018	1.8	0.053	1.78	8.32	10
122867	soil	26-Jun-15	UTM	NAD83	8v	528377	6773748	Camp 2	1m deep auger soil sample, beige - olive sandy soil	soil	RH	122866	0.0055	5.5	0.005	5	0.218	1.09	31.1	10
									0.15m deep soil, located at W end of outcrop hump of dark brown weathered mafic intrusive, burley poplars	soil	RH	122867	0.002	2	0.0033	3.3	0.069	1.04	1.41	10

2015 and 2016 Soil Samples

Samp_No	Ba_ppm	Be_ppm	Bi_ppm	Ca_per	Cd_ppm	Ce_ppm	Co_ppm	Cr_ppm	Cs_ppm	Cu_ppm	Fe_per	Ga_ppm	Ge_ppm	Hf_ppm	Hg_ppm MS42	In_ppm	K_per	La_ppm	Li_ppm	Mg_per	Mn_ppm	Mo_ppm	Na_per	Nb_ppm	Ni_ppm	P_per	Pb_ppm	Pd_ppm
122551	341	1.22	0.346	0.44	1.145	84.9	32.2	39.4	18.15	62	5.02	8.29	0.077	0.02	0.021	0.041	0.07	30.3	10.7	0.53	1330	1.08	0.013	0.272	40.3	0.093	76.3	
122552	124.5	0.43	0.175	0.21	0.152	17.6	16.1	108	6.01	47.8	3.85	5.95	0.06	0.005	0.023	0.031	0.14	8.5	10	0.62	424	0.97	0.009	0.308	34.7	0.07	6.95	
122553	104.5	0.56	0.139	0.6	0.177	24.6	21.4	47.8	10.05	39	3.66	5.57	0.06	0.031	0.018	0.03	0.08	13.95	6.9	0.54	513	0.45	0.014	0.193	36.4	0.08	7.65	
122556	123	0.32	0.216	0.27	0.094	34.3	9.2	34.6	4.1	31.8	2.12	5.39	0.049	0.012	0.021	0.022	0.06	17.45	11.7	0.62	338	0.83	0.014	0.927	20	0.061	9.06	
122558	238	0.46	0.122	2.44	0.234	30.4	61.5	56.5	0.419	54.5	6.39	4.52	0.193	0.162	0.026	0.026	0.06	15.3	18.3	2.12	3490	4.08	0.121	0.09	122.5	0.102	3.97	
122559	123	0.61	0.104	1.71	0.326	39.1	59.7	63.9	0.613	53.6	7.36	4.89	0.123	0.324	0.033	0.034	0.16	20.3	15.8	1.77	2420	23	0.139	0.107	125	0.09	8.46	
122560	682	1.53	0.425	0.49	0.104	75.1	1.965	2.66	0.579	2.3	0.4	3.54	0.086	0.717	0.004	0.015	0.66	38.5	4.5	0.62	142.5	1.01	0.59	0.172	6.14	0.005	28.1	
122561	1360	1.24	0.354	0.4	0.242	63.4	0.859	1.1	0.685	0.86	0.178	4.94	0.077	0.682	0.004	0.017	1.7	32.2	2.4	0.26	371	0.6	1.415	0.047	1.7	0.004	35.4	
122562	374	0.4	0.124	2.03	0.184	14.3	25.8	23.4	1.12	70.2	3.7	3.67	0.052	0.081	0.192	0.029	0.17	6.46	6.7	0.49	1065	0.51	0.01	0.177	24.5	0.094	5.47	
122563	124.5	0.36	0.036	19.6	4.48	8.03	5.5	13.55	0.177	28	1.84	1.405	0.034	0.088	0.207	0.025	0.08	7.45	2.4	0.17	236	16.3	0.014	0.07	44.4	0.189	2.81	
122564	300	0.34	0.068	0.54	0.064	33.6	7.68	25.3	0.496	11.6	2.89	4.92	0.054	0.156	0.013	0.025	0.34	16.35	5.4	0.75	291	0.69	0.041	0.624	10.35	0.039	4.92	
122565	292	0.3	0.104	0.32	0.116	17.15	10.2	34.8	0.67	15.3	3.14	4.64	0.028	0.101	0.007	0.02	0.09	8.4	10	0.55	239	1.82	0.026	0.501	20.6	0.046	6.65	
122567	161	0.25	0.087	0.26	0.077	10.15	6.93	28.9	0.395	15.7	2.41	4.5	0.021	0.13	0.008	0.016	0.07	5.52	8.8	0.43	176	0.89	0.015	0.567	16.95	0.02	5.14	
122851	90.1	0.39	0.179	0.22	0.33	17.8	11.25	39.6	9.39	36.2	2.52	6.25	0.025	0.006	0.044	0.02	0.05	9.62	9.3	0.57	352	0.62	0.012	0.473	23	0.08	11.65	
122852	78.3	0.26	0.163	0.39	0.156	13.1	6.11	29.1	10.2	19.3	1.79	5.69	0.027	0.005	0.021	0.015	0.04	7.52	6.5	0.36	322	0.57	0.01	0.345	13.3	0.086	7.24	
122853	44.6	0.18	0.114	0.12	0.076	11.95	6.9	12.4	2.79	25	1.26	4.05	0.018	0.004	0.031	0.015	0.03	5.56	1.7	0.13	333	0.62	0.012	0.221	4.73	0.088	3.78	
122854	206	0.6	0.347	1	0.209	35.1	44.7	44.1	0.854	35.6	4.83	4.12	0.097	0.164	0.035	0.036	0.08	18.25	15.5	1.18	2620	5.82	0.065	0.165	98.1	0.1	6.98	
122855	220	0.62	0.101	0.22	0.266	31.3	13.1	19.4	0.936	34.8	2.08	6.35	0.057	0.008	0.093	0.016	0.09	16.6	6.2	0.33	1280	1.83	0.018	1.12	9.75	0.277	5.26	
122856	76.4	0.23	0.061	0.2	0.033	114	10.7	49	1.405	54.5	13.75	9.67	0.266	0.017	0.03	0.097	0.41	55	8.9	0.91	426	54.8	0.668	0.781	21.9	0.31	24.1	
122857	188	0.62	0.081	1.66	0.177	42.9	19.2	32.2	1.05	27.3	4.02	9.5	0.115	0.098	0.022	0.026	0.09	22.6	17.9	1.24	831	24.8	0.042	1.835	20.8	0.118	6.01	
122858	174	0.28	0.329	0.12	0.041	33.5	7.76	25.7	0.555	47.6	7.01	7.04	0.1	0.029	0.04	0.027	0.14	18.4	10.7	0.73	318	5.66	0.098	0.904	16.45	0.116	9.43	
122859	850	0.45	0.186	0.8	0.177	39.4	14.3	23.9	0.379	32.7	4.06	8.95	0.091	0.116	0.032	0.032	0.26	21.6	12.5	1.34	677	3.28	0.056	1.075	11.8	0.135	7.76	
122860	354	0.41	0.239	1.05	0.189	36.5	14.25	20.7	0.475	31.1	3.82	7.7	0.09	0.06	0.067	0.017	0.24	18.85	11.6	1.2	765	3.58	0.123	0.894	15.55	0.123	6.47	
122861	204	0.4	0.09	1.14	0.18	40.1	15.45	57.1	0.466	31.7	3.51	7.44	0.105	0.057	0.028	0.029	0.2	21.4	11.1	1.72	718	1.77	0.039	0.99	35.7	0.124	4.01	
122862	210	0.41	0.074	1.02	0.282	38.3	13.45	24.4	0.366	26	3.41	8.66	0.096	0.052	0.021	0.033	0.23	19.85	8.8	1.53	844	1.08	0.027	1.17	12	0.147	5.08	
122863	121	0.49	0.098	0.64	0.114	26.1	17.25	42.4	1.145	54.8	3.97	9.96	0.051	0.098	0.027	0.04	0.07	11.95	15	0.64	562	0.71	0.016	0.484	19.75	0.033	7.01	
122864	260	0.46	0.065	0.87	0.206	20.6	21.5	41.3	0.565	62.6	3.77	9.14	0.063	0.131	0.126	0.038	0.15	9.07	18.9	1.07	570	0.61	0.021	0.339	26.9	0.055	5.2	
122865	48.6	1.35	0.045	3.36	0.081	23.3	17.05	47.2	1.885	41.3	4.78	17.2	0.087	0.108	0.026	0.054	0.04	14.4	14.2	1	638	0.27	0.005	0.206	14.3	0.077	6.45	
122866	161.5	0.46	0.07	7.73	1.075	18.8	13.75	33.3	0.55	58.8	3.18	4.36	0.05	0.049	0.14	0.029	0.06	13.35	10.1	0.66	506	4.21	0.014	0.304	47.6	0.111	5.82	
122867	1000	0.31	0.028	1.75	0.135	10.1	11.65	57.2	0.563	43.5	4.15	3.14	0.038	0.05	0.057	0.026	0.12	5.58	4.2	0.21	574	0.3	0.01	0.149	10.9	0.029	3.93	

2015 and 2016 Soil Samples

Samp_No	Pt_ppm	Rb_ppm	Re_ppm	S_per	Sb_ppm	Sc_ppm	Se_ppm	Sn_ppm	Sr_ppm	Ta_ppm	Te_ppm	Th_ppm	Ti_per	Tl_ppm	U_ppm	V_ppm	W_ppm	Y_ppm	Zn_ppm	Zr_ppm	Au_AROR43_ppm	Certificate
122551		8.74	0.001	0.01	6.01	15.3	0.7	0.49	28.2	0.005	0.18	4.58	0.025	0.155	2.5	95.7	0.483	13.8	123.5	0.9		WH15096973
122552		11.2	0.001	0.03	2.66	10.65	0.4	0.28	23.2	0.005	0.07	0.873	0.066	0.246	0.803	89.7	0.956	7.04	55.4	0.14		WH15096973
122553		6.59	0.001	0.01	2.09	12.1	0.6	0.47	35.7	0.005	0.04	2.53	0.038	0.199	1.72	76.4	0.246	15.35	49.6	0.65		WH15096973
122556		9.22	0.001	0.02	0.546	3.66	0.3	0.31	13.4	0.005	0.08	4.05	0.077	0.099	1.265	58.8	5.77	5.32	36	0.26		WH15096973
122558		5.49	0.001	0.01	0.104	18.4	0.6	0.44	91.6	0.005	0.08	2.34	0.081	0.568	0.84	116.5	0.097	14.85	119	9.45		WH15096973
122559		11.5	0.001	0.11	0.347	17.1	1	0.55	100.5	0.005	0.02	4.96	0.064	1.975	6.08	93.4	0.161	19.7	121	19.7		WH15096973
122560		30	0.001	0.01	0.123	2.18	0.7	0.45	69.7	0.005	0.02	19.95	0.005	0.257	3.7	3.7	0.032	14.9	13.4	31.5		WH15096973
122561		61.3	0.001	0.01	0.077	1.855	0.5	0.47	178.5	0.005	0.01	14.45	0.003	0.387	2.85	2.1	0.025	11.3	10.2	21.2		WH15096973
122562		7.66	0.001	0.09	5.49	14.1	1.1	0.19	115	0.005	0.03	0.465	0.005	0.143	0.227	84.8	0.148	11.7	69.4	1.92		WH15096973
122563		2.28	0.008	0.07	5.24	3.35	4.2	0.25	374	0.005	0.06	0.279	0.001	0.378	2.33	76.3	0.115	13.15	114.5	2.55		WH15096973
122564		51.6	0.001	0.01	0.125	7.65	0.3	0.45	53.3	0.005	0.01	3.97	0.108	0.094	1.15	77.1	0.085	6.19	49.6	4.82		WH15096973
122565		11.9	0.001	0.01	0.411	4.59	0.3	0.38	34.2	0.005	0.01	2.39	0.063	0.135	0.532	78.4	0.088	3.14	46.3	3.49		WH15096973
122567		11.15	0.001	0.01	0.392	3.43	0.2	0.33	23.4	0.005	0.02	2.02	0.07	0.078	0.422	62.3	0.101	2.01	35.3	4.09		WH15096973
122851		5.86	0.001	0.07	0.705	1.935	0.4	0.38	13.45	0.005	0.08	0.126	0.044	0.15	0.994	64.3	0.348	6.4	59.6	0.2		WH15096973
122852		7.01	0.001	0.07	0.441	0.826	0.2	0.41	19.6	0.005	0.01	0.062	0.03	0.103	0.709	50.4	0.186	6.27	38	0.11		WH15096973
122853		3.75	0.001	0.08	0.349	0.342	0.3	0.3	9.31	0.005	0.04	0.012	0.022	0.14	0.519	39.9	0.118	3.13	20.3	0.13		WH15096973
122854		8.51	0.001	0.01	0.216	14.75	0.7	0.44	48	0.005	0.14	3.38	0.048	1.185	3.02	86	0.059	16.4	82.7	9.74		WH15096973
122855		11.3	0.001	0.06	0.188	2.12	0.5	0.31	19.65	0.005	0.02	0.282	0.062	0.075	1.23	52.3	0.207	4.87	43.4	0.39		WH15096973
122856		13.15	0.01	2.72	0.726	11.55	1.4	0.3	945	0.005	0.57	2.14	0.078	0.675	2.3	126	0.178	3.58	55	0.9		WH15096973
122857		9.18	0.001	0.1	0.383	9.92	0.5	0.69	361	0.006	0.01	3.44	0.144	0.265	1.835	97.2	0.142	10.45	69.2	3.68		WH15096973
122858		7.06	0.001	0.62	0.481	7.11	1.6	0.31	109	0.005	0.49	2.53	0.066	0.191	1.41	80.6	0.089	5	50	1.46		WH15096973
122859		15.3	0.001	0.27	0.268	8.58	0.5	0.41	68.5	0.005	0.46	3.21	0.063	0.102	1.835	97.1	0.139	10.55	66.6	3.9		WH15096973
122860		14.2	0.001	0.44	0.218	7.69	0.7	0.35	132.5	0.005	0.38	1.765	0.06	0.122	1.055	79.8	0.113	8.18	60.3	2.18		WH15096973
122861		14	0.001	0.04	0.09	8.91	0.5	0.5	47.4	0.005	0.02	2.53	0.078	0.103	0.95	97.8	0.112	10.7	77.6	2.05		WH15096973
122862		16.3	0.001	0.04	0.078	9.02	0.5	0.48	39	0.005	0.01	1.735	0.082	0.096	1.045	97.8	0.142	12.1	80.6	1.69		WH15096973
122863		7.4	0.001	0.02	0.35	18.3	0.7	0.43	28.5	0.005	0.04	2.05	0.023	0.129	0.504	119	0.153	11.1	58.1	2.68		WH15096973
122864		7.86	0.001	0.05	2.26	12.85	1.5	0.39	42.3	0.005	0.02	1.09	0.021	0.231	0.302	105	0.121	11.5	74.2	2.57		WH15096973
122865		4.26	0.001	0.01	0.111	20.7	0.5	0.95	64.6	0.005	0.01	1.02	0.013	0.025	0.246	157	0.029	14.75	90.4	1.5		WH15096973
122866		3.54	0.005	0.02	1.41	10.45	2.1	0.33	174	0.005	0.05	1.875	0.02	0.262	1.8	90.1	0.13	18.35	94.5	1.93		WH15096973
122867		7.53	0.001	0.03	0.26	27.5	0.6	0.22	46.8	0.005	0.01	0.497	0.012	0.046	0.226	111	0.073	13.7	25.7	1.38		WH15096973

2015 and 2016 Soil Samples

Samp_No	Type	Date	Grid	Datum	Zone	UTM_East	UTM_North	Camp	Description	medium	person	Samp_No	Au_ST43_ppm	Au_ST43_PPb	Au_MS41L_ppm	Au_MS41L_PPb	Ag_ppm	Al_per	As_ppm	B_ppm
579477	soil	20-Jun-15	UTM	NAD83	8v	519745	6766118	Camp 1	soil in frost boil on saddle. Brown. Some angular and rounded rx fragments.	soil	DH/RH	579477	0.002	2	0.0104	10.4	0.031	1.45	6.32	10
579478	soil	20-Jun-15	UTM	NAD83	8v	519919	6766070	Camp 1	frost boil, in area of limonite-quartz-carb breccia zone surrounded by basalt - andesite float	soil	RH	579478	0.0074	7.4	0.0036	3.6	0.108	1.5	15.2	10
579479	soil	20-Jun-15	UTM	NAD83	8v	519986	6766061	Camp 1	limonitic clay rich soil, next to recessive zone in grey green basaltic flow (?) rocks, limonite zone 1-2 m wide	soil	RH	579479	0.002	2	0.0021	2.1	0.105	1.04	18.35	10
579480	soil	20-Jun-15	UTM	NAD83	8v	520044	6766048	Camp 1	Rusty soil in recessive saddle- frost boil. Area of float of massive carbonate replacement/ breccia. Also float of mafic volc + some float of rounded granitic boulders. (no location but before 520045/ 6766053	soil	DH/RH	579480	0.0024	2.4	0.003	3	0.155	1.52	13.65	10
579481	soil	20-Jun-15	UTM	NAD83	8v	520064	6766050	Camp 1	rusty colored frost boil in approximate 10m wide limonite rusty carb brx in basaltic rocks	soil	RH	579481	0.0038	3.8	0.0055	5.5	0.161	1.62	11	10
579482	soil	20-Jun-15	UTM	NAD83	8v	520255	6766053	Camp 1	Rusty red - limonitic soil, float of dark green andesite - basalt. At base of slope, likely recessive carb alt zone. Float of limonite quartz - carb alt veining 25- 50m to east.	soil	RH	579482	0.0056	5.6	0.0063	6.3	4.14	2.02	24.5	10
579483	soil	20-Jun-15	UTM	NAD83	8v	520357	6766092	Camp 1	Limonite - brown soil adjacent to qtz - carb. Limonite weathered float approx 5 m to west of pink weathered flow banded rhyolite.	soil	RH	579483	0.0053	5.3	0.0059	5.9	1.235	0.9	65.9	10
579484	soil	20-Jun-15	UTM	NAD83	8v	520588	6766119	Camp 1	Goethite - limonite - rusty soil, float of limonite - bleached andesite breccia. Adjacent to tan felsic dyke in recessive gully.	soil	RH	579484	0.0024	2.4	0.0022	2.2	0.091	0.96	27.4	10
579485	soil	21-Jun-15	UTM	NAD83	8v	522449	6765430	Camp 1	in gully formed by strong joint set (095/90) cutting grey weathering grey fine grained andesite.	Talus fines	RH	579485	0.0018	1.8	0.0009	0.9	0.163	1.9	5.74	10
579486	soil	21-Jun-15	UTM	NAD83	8v	522432	6765471	Camp 1	Brown loamy (likely ash component) in gully, bleached andesite o/c and float of Fe Carb alt andesite, poor quality	Talus fines	RH	579486	0.0035	3.5	0.0018	1.8	0.102	1.84	9.06	10
579487	soil	21-Jun-15	UTM	NAD83	8v	522398	6765504	Camp 1	mod quality sample, green andesite, bleached andesite with epidote on fractures, at head of gully - N side.	Talus fines	RH	579487	0.0025	2.5	0.0016	1.6	0.169	1.8	12.6	10
579488	soil	21-Jun-15	UTM	NAD83	8v	522276	6765593	Camp 1	Limonitic soil from carb altered zone in green fine grained andesite, zone - gully trends approx 022,	Talus fines	RH	579488	0.0043	4.3	0.0043	4.3	0.184	1.17	26	10
579489	soil	21-Jun-15	UTM	NAD83	8v	522166	6765633	Camp 1	Limonitic orange soil - ok sample, lim - Fe carb altered andesite float and green andesite in gully, plus float of reddish brown weathered quartz - minor jasperoid magnetite vein breccia (rk 122608)	Talus fines	RH	579489	0.0417	41.7	0.0067	6.7	0.219	1.66	34.9	10
579490	soil	21-Jun-15	UTM	NAD83	8v	521903	6766021	Camp 1	Limonitic soil, float of green andesite, green andesite o/c on rim of drainage.	Talus fines	RH	579490	0.0019	1.9	0.0021	2.1	0.166	1.6	12.85	10
579491	soil	21-Jun-15	UTM	NAD83	8v	521793	6766210	Camp 1	Sandy sample, partly glacial?,	Talus fines	RH	579491	0.002	2	0.0032	3.2	0.051	1.73	10.55	10
579492	soil	21-Jun-15	UTM	NAD83	8v	521783	6766336	Camp 1	Frost boil, float of white weathering bleached felsic fine grained feldspar phyrlic porphyry.	soil	RH	579492	0.0018	1.8	0.0011	1.1	0.062	1.63	11.4	10
579493	soil	21-Jun-15	UTM	NAD83	8v	521809	6766429	Camp 1	multiple pits across 20m wide gully in dacite - siliceous dacite (or rhyolite?) brx and brecciated andesite with iron oxides (rk 122607)	soil	RH	579493	0.0016	1.6	0.0011	1.1	0.04	1.27	4.34	10
579494	soil	21-Jun-15	UTM	NAD83	8v	521504	6767129	Camp 1	ok sample from bottom of 'notch'. Float of dark grey - green pyritic andesite. Rare white hbl phyrlic felsic porphyry. O/C of dark green andesite both sides of 'notch'.	talus fines	RH	579494	0.0015	1.5	0.001	1	0.044	2.75	10.65	10
579495	soil	21-Jun-15	UTM	NAD83	8v	521602	6767057	Camp 1	On ridge, cliff edge, rusty weathered andesite at head of gully.	talus fines	RH	579495	0.0037	3.7	0.0024	2.4	0.079	1.96	17	10
579496	soil	21-Jun-15	UTM	NAD83	8v	521674	6766875	Camp 1	Ok soil, likely a till componet, wide variety in rock float	soil	RH	579496	0.0024	2.4	0.001	1	0.023	1.53	9.43	10
579497	soil	21-Jun-15	UTM	NAD83	8v	521771	6766774	Camp 1	Ok soil, likely a till componet, wide variety in rock float	soil	RH	579497	0.0042	4.2	0.0016	1.6	0.068	1.92	9.58	10
579498	soil	21-Jun-15	UTM	NAD83	8v	521832	6766639	Camp 1	OK soil, likely a till componet, o/c of green boring andesite.	soil	RH	579498	0.0033	3.3	0.0021	2.1	0.045	1.7	7.56	10
579499	soil	21-Jun-15	UTM	NAD83	8v	521865	6766449	Camp 1	in gully on trend with rock 122607, soil in 0.5x1.5m patch of white decomposed dyke.	talus fines	RH	579499	0.1	100	0.515	515	0.048	1.02	5.93	10
579500	soil	22-Jun-15	UTM	NAD83	8v	522067	6765654	Camp 1	Limonitic orange soil, vuggy limonite breccia float, located between quartz porphyry (likely same rock 'microgranite' at station RH15113) and andesite basalt to north.	talus fines	RH	579500	0.021	21	0.0177	17.7	1.24	1.33	283	10
1030101	soil	23-Sep-16	UTM	NAD83	8v	528094	6773796	NOOC	30 cm deep, till - outwash but angular pieces of dark grey non calcareous siltstone	soil	RH	1030101	0.0028	2.8	0.0032	3.2	0.141	2.11	5.4	10
1030102	soil	23-Sep-16	UTM	NAD83	8v	528132	6773813	NOOC	At rock sample 122916, C horizon 20-40 cm deep of brecciated sandstone -argillite crosscut by qtz veins and later dry fractures.	soil	RH	1030102	0.0421	42.1	0.0235	23.5	0.28	1.08	17.05	10
1030103	soil	23-Sep-16	UTM	NAD83	8v	528147	6773656	NOOC	0.5m deep, very fine silt - loess, few pebbles, red brown	soil	RH	1030103	0.0036	3.6	0.0037	3.7	0.102	1.51	12.5	10
1030104	soil	23-Sep-16	UTM	NAD83	8v	528079	6773666	NOOC	0.5m deep, till, grey pebbles (Sandstone)	soil	RH	1030104	0.0062	6.2	0.0062	6.2	0.224	1.98	7.04	10
1030105	soil	23-Sep-16	UTM	NAD83	8v	528112	6773655	NOOC	0.2m deep, C horizon, sandstone	soil	RH	1030105	0.0011	1.1	0.0019	1.9	0.19	2.08	6.23	10
1030106	soil	23-Sep-16	UTM	NAD83	8v	528107	6773618	NOOC	Red brown - limonite soil, 0.25m deep, till?	soil	RH	1030106	0.0055	5.5	0.0064	6.4	0.289	1.85	6.71	10
1030107	soil	23-Sep-16	UTM	NAD83	8v	528166	6773605	NOOC	0.25m deep, c horizon and till? Brown sandstone - siltstone feld rich greywacke float and sub outcrop.	soil	RH	1030107	0.002	2	0.002	2	0.128	2.61	5.5	10

2015 and 2016 Soil Samples

Samp_No	Ba_ppm	Be_ppm	Bi_ppm	Ca_per	Cd_ppm	Ce_ppm	Co_ppm	Cr_ppm	Cs_ppm	Cu_ppm	Fe_per	Ga_ppm	Ge_ppm	Hf_ppm	Hg_ppm _MS42	In_ppm	K_per	La_ppm	Li_ppm	Mg_per	Mn_ppm	Mo_ppm	Na_per	Nb_ppm	Ni_ppm	P_per	Pb_ppm	Pd_ppm
579477	122	0.31	0.334	0.22	0.141	29.9	9.26	32.6	2.71	20.6	2.16	4.34	0.038	0.007	0.019	0.014	0.06	15.05	10.2	0.6	295	0.59	0.018	0.731	19.1	0.059	9.68	
579478	97.2	0.48	1.84	0.66	0.31	17.45	39.4	98.4	5.84	65.4	7.14	4.42	0.065	0.055	0.047	0.069	0.05	8.41	10.6	0.57	1610	0.91	0.026	0.188	71.4	0.059	7.46	
579479	99.5	0.74	0.131	0.57	0.368	12.1	40.8	94.9	10.2	75.4	9.55	2.58	0.06	0.04	0.117	0.062	0.05	3.94	1.8	0.17	1595	0.83	0.008	0.014	80.2	0.042	6.85	
579480	172	0.46	0.492	0.5	0.294	16.85	24	72.3	5.36	69.2	6.25	4.32	0.06	0.024	0.026	0.055	0.06	10.85	9.3	0.62	845	0.61	0.021	0.507	48.3	0.078	10.8	
579481	209	0.39	0.58	0.57	0.272	27.2	22.4	38.4	5.65	62.6	5.92	4.87	0.066	0.009	0.037	0.057	0.06	13.65	11.6	0.78	1470	0.6	0.03	0.359	32	0.067	8.57	
579482	178	0.78	35.6	0.78	8.17	11.4	44	105	17.7	141.5	8.07	5.59	0.067	0.11	0.03	0.063	0.12	3.98	16.3	0.89	1940	0.65	0.023	0.043	67.8	0.058	485	
579483	385	0.74	4.13	0.55	1.81	14.05	81.7	18.4	13.6	117.5	10.35	3.01	0.093	0.058	0.112	0.079	0.06	4.85	2.6	0.26	2660	0.51	0.007	0.032	56.5	0.087	71.9	
579484	298	0.57	0.084	0.3	0.128	13.4	65.6	37.9	18.3	41.8	6.19	3.68	0.053	0.012	0.103	0.14	0.06	6.51	2.9	0.2	1885	0.49	0.009	0.042	38.8	0.08	6.77	
579485	92.2	0.36	0.124	0.28	0.272	13.9	15.6	58.9	6.74	48.5	3	6.39	0.047	0.015	0.04	0.02	0.06	6.18	13.6	1.13	498	0.59	0.019	0.57	30.4	0.088	8.64	
579486	90.2	0.43	0.126	0.26	0.18	26.3	11.55	42.8	4.36	36.2	2.47	4.76	0.047	0.015	0.011	0.015	0.05	9.57	10	0.66	346	0.53	0.015	0.822	30.6	0.05	7.88	
579487	104	0.41	0.152	0.27	0.223	17.8	14.4	32.6	7.54	39.4	2.93	5.44	0.041	0.012	0.068	0.026	0.06	6.64	9.5	0.59	549	1.05	0.021	0.431	19.75	0.111	10.05	
579488	123.5	0.48	0.119	0.38	0.385	38.1	24	30.8	13.85	45.1	4.57	3.74	0.072	0.007	0.028	0.044	0.05	18.75	8.1	0.38	1020	0.39	0.012	0.184	28.4	0.084	13.25	
579489	131	0.7	0.178	0.33	0.571	27.2	26.6	52	7.44	82.7	6.39	4.75	0.073	0.01	0.059	0.026	0.05	12.2	7.9	0.51	1630	1.15	0.018	0.322	40.5	0.089	16.2	
579490	149.5	0.65	0.135	0.43	0.193	19.45	32.1	80.6	12.7	61.6	6.78	3.89	0.067	0.012	0.053	0.05	0.07	7.31	9.1	0.62	1420	0.25	0.011	0.149	64.3	0.083	5.82	
579491	97	0.5	0.179	0.24	0.159	32.8	15.3	47.9	7.08	30.6	3.46	7.26	0.057	0.008	0.037	0.033	0.06	17	9.6	0.6	451	0.62	0.012	0.387	30.7	0.105	7.47	
579492	112.5	0.56	0.177	0.34	0.153	34.6	24.2	59.2	10.5	40.3	4.2	5.27	0.059	0.031	0.021	0.034	0.06	18.1	9.5	0.63	792	0.6	0.013	0.332	39.8	0.081	7.47	
579493	97.8	0.53	0.252	0.36	0.112	22.7	18.95	46.4	6.87	55.6	4.78	6.11	0.074	0.008	0.016	0.049	0.04	12	7	0.43	797	0.43	0.01	0.179	25.5	0.058	4.99	
579494	96.6	0.5	0.203	0.38	0.124	23.6	29	57.7	6.1	47.9	5.05	10.65	0.064	0.016	0.018	0.05	0.08	9.79	13	1.05	959	0.57	0.018	0.524	36.5	0.09	6.83	
579495	70.5	0.3	0.504	0.57	0.172	26.4	39.9	51.4	5.87	86.7	7.83	12.95	0.179	0.051	0.017	0.067	0.1	12.3	9.4	0.75	631	4.78	0.029	0.447	34.9	0.088	7.19	
579496	151	0.51	0.207	0.44	0.169	33.9	20.1	48.9	7.37	37.9	3.66	5.81	0.062	0.009	0.017	0.031	0.06	18.85	9.8	0.63	699	0.47	0.015	0.382	33.5	0.082	9	
579497	112	0.46	0.186	0.34	0.205	25.1	12.45	46.2	5.84	32.3	2.85	6.85	0.041	0.01	0.027	0.023	0.05	12.85	11.2	0.69	370	0.57	0.014	0.411	28.7	0.099	8.15	
579498	98.8	0.4	0.201	0.35	0.229	29.2	13.6	45.8	4.51	32.7	2.67	6.43	0.051	0.015	0.024	0.022	0.06	16.4	11	0.72	441	0.56	0.013	0.733	29.2	0.102	10.05	
579499	71.7	0.45	0.117	0.32	0.112	30.2	10.65	27.9	4.81	20.2	2.11	3.4	0.036	0.027	0.012	0.012	0.03	18.15	5.8	0.37	361	0.56	0.009	0.29	19.75	0.07	6.07	
579500	99.2	0.79	0.388	0.22	0.739	26.7	58.2	20.1	5.61	334	8.93	5.1	0.08	0.009	0.099	0.049	0.04	12.15	5.5	0.32	1375	1.85	0.007	0.154	51.1	0.098	18.3	
1030101	166.5	0.37	0.095	0.79	0.154	25.1	13.8	40.6	0.927	55.6	3.24	6.37	0.071	0.123	0.127	0.036	0.06	14.35	18.6	1.03	628	0.75	0.053	0.331	30.3	0.039	6.25	0.002
1030102	130.5	0.36	0.086	0.48	0.04	17.8	8.64	41.3	0.523	18.5	2.43	3.6	0.039	0.059	0.058	0.019	0.09	8.42	6.5	0.38	186.5	0.5	0.013	0.767	23.2	0.026	3.93	0.001
1030103	161.5	0.46	0.08	0.64	0.067	21.9	18.5	47.1	0.8	54.9	3.96	6.26	0.076	0.092	0.043	0.036	0.08	14.2	12	0.73	597	1.12	0.018	0.421	35	0.028	5.59	0.001
1030104	159	0.35	0.051	6.52	0.268	17.3	19.55	38.7	0.941	83.1	4.13	7.97	0.065	0.125	0.064	0.036	0.06	8.83	22.5	1.49	607	0.51	0.023	0.174	28.9	0.079	3.71	0.006
1030105	105	0.31	0.075	0.94	0.099	20.3	15.45	42.1	0.933	50.5	3.74	8.97	0.058	0.068	0.081	0.046	0.12	9.62	16.8	0.73	379	1.05	0.014	0.305	17.9	0.033	4.84	0.001
1030106	103.5	0.55	0.06	4.64	0.251	18.9	18.05	45.3	0.858	95.8	4.18	9	0.069	0.096	0.11	0.041	0.08	9.97	15.9	1.07	620	0.53	0.016	0.225	25.8	0.069	4.31	0.003
1030107	79.4	0.53	0.059	0.53	0.097	16.6	21	50.3	0.996	92.1	5.36	13.2	0.09	0.258	0.018	0.045	0.04	11.4	24.2	1.63	418	0.28	0.017	0.124	29.6	0.024	4.55	0.002

2015 and 2016 Soil Samples

Samp_No	Pt_ppm	Rb_ppm	Re_ppm	S_per	Sb_ppm	Sc_ppm	Se_ppm	Sn_ppm	Sr_ppm	Ta_ppm	Te_ppm	Th_ppm	Ti_per	Tl_ppm	U_ppm	V_ppm	W_ppm	Y_ppm	Zn_ppm	Zr_ppm	Au_AROR43_ppm	Certificate
579477		7.31	0.001	0.03	0.407	2.33	0.3	0.31	10.2	0.005	0.07	1.04	0.064	0.112	0.768	51.4	1.525	4.27	32.3	0.28		WH15096973
579478		5.46	0.001	0.03	2.01	33.2	1	0.35	13.6	0.005	0.82	1.28	0.012	0.106	0.341	179.5	0.452	28.1	132	1.14		WH15096973
579479		5.54	0.001	0.01	0.464	33.9	1.2	0.26	13.5	0.005	0.02	0.551	0.001	0.143	0.443	176	0.216	28.4	179	0.66		WH15096973
579480		8.94	0.001	0.03	1.04	21.9	0.8	0.33	14.6	0.005	0.04	1.76	0.037	0.115	0.843	163	1.725	22.8	138.5	0.53		WH15096973
579481		8.07	0.001	0.02	0.818	19.7	0.8	0.33	17.05	0.005	0.03	3.3	0.057	0.172	0.922	147	2.88	23.2	99.7	0.27		WH15096973
579482		15.3	0.001	0.02	4.57	36.3	1.2	0.28	10.05	0.005	1.01	0.344	0.01	0.379	0.321	172	0.234	33.8	462	1.8		WH15096973
579483		5.29	0.001	0.01	12.45	34.7	1.4	0.38	9.66	0.005	0.09	0.483	0.005	0.114	0.602	256	0.216	36.1	292	1.28		WH15096973
579484		7.89	0.001	0.02	2.33	25.9	0.7	0.6	15.75	0.005	0.02	0.963	0.007	0.248	0.879	195.5	0.383	23.1	68.5	0.22		WH15096973
579485		6.45	0.001	0.06	0.494	3.92	0.6	0.33	15.75	0.005	0.04	0.725	0.101	0.122	0.872	90.3	0.22	7.48	62.2	0.49		WH15096973
579486		5.81	0.001	0.04	0.577	2.43	0.4	0.3	13.55	0.005	0.05	0.583	0.07	0.089	0.592	57.7	0.275	5.81	42.3	0.5		WH15096973
579487		7.81	0.001	0.09	1.595	1.85	0.6	0.38	17.55	0.005	0.07	0.106	0.058	0.123	0.571	75.5	0.282	5.08	47.6	0.42		WH15096973
579488		6.15	0.001	0.01	4	10.85	0.7	0.27	15.1	0.005	0.12	1.3	0.02	0.125	0.696	91.9	0.193	18.3	74.9	0.18		WH15096973
579489		7.04	0.001	0.04	12.5	6.83	1.4	0.3	14.15	0.006	0.18	0.395	0.052	0.151	2.54	141.5	0.746	26.7	101	0.21		WH15096973
579490		9.21	0.001	0.02	2.96	22.1	0.9	0.38	20.2	0.005	0.2	1.24	0.014	0.218	0.709	123.5	0.455	24.3	73	0.3		WH15096973
579491		7.02	0.001	0.03	2.42	5.44	0.5	0.55	12.8	0.005	0.03	0.548	0.045	0.188	0.969	83.2	0.421	9.12	62.5	0.26		WH15096973
579492		6.88	0.001	0.01	2.41	9.3	0.5	0.39	13.25	0.005	0.07	4.47	0.052	0.184	0.909	94.3	0.457	10.5	60.2	1.18		WH15096973
579493		4.42	0.001	0.01	1.635	11.3	0.5	0.6	18.4	0.005	0.01	1.955	0.039	0.075	0.86	112.5	0.197	19.85	66	0.26		WH15096973
579494		7	0.001	0.04	1.195	8.93	0.6	0.62	15.75	0.005	0.05	0.591	0.126	0.197	0.676	133	0.252	11.3	68.7	0.48		WH15096973
579495		6.7	0.001	0.09	1.385	12.5	1.1	0.89	32.5	0.005	0.1	3.46	0.114	0.18	2.59	164	0.335	16.05	54.7	2.05		WH15096973
579496		6.65	0.001	0.01	2.07	8.5	0.5	0.42	19.1	0.005	0.05	3.25	0.06	0.148	0.839	85.3	0.448	10.1	52	0.4		WH15096973
579497		7.29	0.001	0.03	1.09	3.73	0.4	0.44	18.75	0.005	0.07	0.351	0.052	0.133	0.815	70.5	0.439	7.17	55.6	0.16		WH15096973
579498		7.74	0.001	0.02	0.883	5.24	0.5	0.43	14.35	0.005	0.05	2.31	0.088	0.109	1.245	69.5	0.674	7.94	55.5	0.41		WH15096973
579499		4.07	0.001	0.01	0.949	4.24	0.3	0.2	15.1	0.005	0.05	3.11	0.034	0.084	0.969	44.5	0.288	5.24	33.3	1.39	1.71	WH15096973
579500		4.05	0.001	0.02	42	22.1	1.3	0.22	16.95	0.005	0.29	1.26	0.014	0.521	3.33	159	3.45	26.8	128.5	0.16		WH15096973
1030101	0.002	5.89	0.001	0.01	0.304	13.75	0.5	0.38	45.6	0.005	0.04	2.42	0.027	0.105	0.572	87.3	0.123	16.1	53.1	3.43		WH16163700
1030102	0.002	7.29	0.001	0.01	1.135	5.79	0.3	0.24	29.3	0.005	0.01	3.34	0.038	0.059	0.557	60.2	0.379	3.72	26	2.02		WH16163700
1030103	0.002	7.61	0.001	0.01	0.568	16.95	0.7	0.34	37.9	0.005	0.01	2.49	0.032	0.1	0.365	114	0.13	17.55	64.7	3.17		WH16163700
1030104	0.003	5.04	0.001	0.02	0.509	15.3	0.7	0.31	143.5	0.005	0.02	1.11	0.015	0.08	0.368	118.5	0.095	14.75	78	2.81		WH16163700
1030105	0.002	8.88	0.001	0.02	0.442	21	0.5	0.36	34.4	0.005	0.01	1.395	0.01	0.063	0.398	124	0.149	14.6	45.8	1.73		WH16163700
1030106	0.003	5.81	0.001	0.03	0.376	18.4	0.5	0.36	88.4	0.005	0.03	1.11	0.015	0.081	0.34	144	0.109	16.2	69.3	2.12		WH16163700
1030107	0.004	3.73	0.001	0.01	0.252	23.8	0.2	0.53	23.5	0.005	0.02	1.685	0.02	0.036	0.309	162.5	0.033	18.8	72.6	6.52		WH16163700

2015 and 2016 Soil Samples

Samp_No	Type	Date	Grid	Datum	Zone	UTM_East	UTM_North	Camp	Description	medium	person	Samp_No	Au_ST43_ppm	Au_ST43_PPb	Au_MS41L_ppm	Au_MS41L_PPb	Ag_ppm	Al_per	As_ppm	B_ppm
I030108	soil	23-Sep-16	UTM	NAD83	8v	528078	6773854	NOOC	0.25 m deep, sandstone - siltstone C pebbles, minor rounded till pebbles.	soil	RH	I030108	0.002	2	0.0021	2.1	0.088	2.6	7.18	10
I030109	soil	23-Sep-16	UTM	NAD83	8v	528050	6774170	NOOC	0.25m deep, brown clayey loess till	soil	RH	I030109	0.0001	0.1	0.0003	0.3	0.061	1.22	2.89	10
I030110	soil	23-Sep-16	UTM	NAD83	8v	528145	6774085	NOOC	brown clayey soil, siltstone pebbles, specks limonite. Looks ok.	soil	RH	I030110	0.0049	4.9	0.0046	4.6	0.1	1.29	23	10
I030111	soil	23-Sep-16	UTM	NAD83	8v	528175	6773945	NOOC	sandy soil sample next to outcrop of dirty feldspathic sandstone - siltstone	soil	RH	I030111	0.0016	1.6	0.0017	1.7	0.029	0.99	1.56	10
I030112	soil	23-Sep-16	UTM	NAD83	8v	528237	6773827	NOOC	sample site below brecciated fractured rusty weathering sandstone, trace iron oxide,	soil	RH	I030112	0.0044	4.4	0.0028	2.8	0.047	1.07	28.9	10
I030113	soil	24-Sep-16	UTM	NAD83	8v	528189	6773900	NOOC	Odd soil, sandy - powdery limonitic soil, 0.5m deep. No rounded pebbles, float of decomposed feldspathic sandstone.	soil	RH	I030113	0.0119	11.9	0.0098	9.8	0.076	0.36	9.78	10
I030114	soil	24-Sep-16	UTM	NAD83	8v	528222	6773897	NOOC	0.5m deep, weakly limonitic soil and pebbles of feldspathic sandstone, similar to I030113.	soil	RH	I030114	0.0276	27.6	0.0291	29.1	0.061	1	4.5	10
I030115	soil	24-Sep-16	UTM	NAD83	8v	528286	6773863	NOOC	0.4m deep, grey decomposed feldspathic sandstone, limonite specks	soil	RH	I030115	0.0042	4.2	0.0032	3.2	0.509	1.11	24.5	10
I030116	soil	24-Sep-16	UTM	NAD83	8v	528353	6773842	NOOC	Limonite - brown decomposed feldspathic sandstone, decomposed due to weathering out of calcite matrix?	soil	RH	I030116	0.0198	19.8	0.019	19	0.033	1.36	1.42	10
I030117	soil	24-Sep-16	UTM	NAD83	8v	528314	6773794	NOOC	soil of limonite - brown decomposed feldspathic sandstone, 20cm deep	soil	RH	I030117	0.0016	1.6	0.0012	1.2	0.12	0.77	13.5	10
I030118	soil	24-Sep-16	UTM	NAD83	8v	528434	6773780	NOOC	soil of limonite - brown decomposed feldspathic sandstone, 30cm deep	soil	RH	I030118	0.0016	1.6	0.0015	1.5	0.066	1.65	9.42	10
I030119	soil	24-Sep-16	UTM	NAD83	8v	528512	6773682	NOOC	Brown soil, limonite specks, sandstone - siltstone pebbles	soil	RH	I030119	0.0005	0.5	0.0006	0.6	0.214	1.13	8.09	10
I030120	soil	24-Sep-16	UTM	NAD83	8v	528606	6773549	NOOC	Limonite - brown sandy - pebble soil - silt sample in gully between limestone and intrusive units.	soil	RH	I030120	0.0009	0.9	0.0009	0.9	0.069	0.89	13.15	10
I030121	soil	24-Sep-16	UTM	NAD83	8v	528388	6773683	NOOC	near location of best 2015 rock samples, 0.4 m deep, limonite - hematite brown soil, loamy - clayey, looks good.	soil	RH	I030121	0.1	830	0.873	873	0.192	0.32	2500	10
I030122	soil	24-Sep-16	UTM	NAD83	8v	528428	6773652	NOOC	Med brown soil, 0.3m deep, float of feldspar porphyry, brecciated siliceous - calcite altered.	soil	RH	I030122	0.0135	13.5	0.0122	12.2	0.034	1.54	66.3	10
I030123	soil	24-Sep-16	UTM	NAD83	8v	528359	6773752	NOOC	poor soil quality	soil	RH	I030123	0.0045	4.5	0.0032	3.2	0.08	1.31	26.8	10
Q009418	soil	8-Aug-16	UTM	NAD83	8v	523100	6767382	camp16-1	0.3m deep, grussy, sandy reddish limonitic 'soil' developed from weathered qtz - feldspar porphyry - granodiorite. Old claim posts nearby: post No. 2 YA74895.	soil	RH	Q009418	0.0366	36.6	0.0155	15.5	2.26	1.21	12.1	10
Q009419	soil	8-Aug-16	UTM	NAD83	8v	523289	6767499	camp16-1	0.25m deep, some till contamination, brown soil.	soil	RH	Q009419	0.0047	4.7	0.0017	1.7	0.257	1.38	8.31	10
Q009420	soil	8-Aug-16	UTM	NAD83	8v	523442	6767506	camp16-1	0.25m deep, grussy 'C' horizon.	soil	RH	Q009420	0.0002	0.2	0.0002	0.2	0.045	1	2.55	10
Q009421	soil	8-Aug-16	UTM	NAD83	8v	523523	6767405	camp16-1	talus fines, base of slope in creek gully, granodiorite float, scree and outcrop.	talus fines	RH	Q009421	0.0348	34.8	0.0214	21.4	0.873	0.69	14.4	10
Q009422	soil	8-Aug-16	UTM	NAD83	8v	523591	6767430	camp16-1	talus fines, base of slope in creek gully, granodiorite float, scree and outcrop. Granodiorite is calcite altered, locally liesegang banded, chalky feldspars.	talus fines	RH	Q009422	0.0067	6.7	0.0053	5.3	0.409	1.07	11.4	10
Q009423	soil	8-Aug-16	UTM	NAD83	8v	523629	6767422	camp16-1	Brecciated and fine grained Open Creek volcanic, minor qtz and chalcidney filling.	talus fines	RH	Q009423	0.0402	40.2	0.0312	31.2	1.46	0.33	54.2	10
Q009424	soil	8-Aug-16	UTM	NAD83	8v	523649	6767410	camp16-1	East end of gossanous cliff outcrop. Lots of limonitic rocks from outcrop in creek.	silt	RH	Q009424	0.0417	41.7	0.0155	15.5	0.83	0.84	37.2	10
Q009425	soil	8-Aug-16	UTM	NAD83	8v	523526	6766861	camp16-1	Poorly exposed limonite carb altered granodiorte.	talus fines	RH	Q009425	0.0085	8.5	0.0037	3.7	0.258	1.06	10	10
Q009426	soil	8-Aug-16	UTM	NAD83	8v	523104	6766405	camp16-1	poor soil quality, below altered granodiorite (dyke?).	soil	RH	Q009426	0.0017	1.7	0.0009	0.9	0.215	1.29	20.3	10
Q009427	soil	9-Aug-16	UTM	NAD83	8v	521826	6766430	camp16-1	orange clay rich soil, next to maroon feldspar porphyry, locally brecciated with qtz filling; looks like a high level dyke with one qtz veining event.	soil	RH	Q009427	0.0011	1.1	0.0008	0.8	0.048	0.69	7.1	10
Q009428	soil	9-Aug-16	UTM	NAD83	8v	521751	6766403	camp16-1	Tan soil - silty clay (alteration, ash or glacial silt?) Abundant felsic rhyolite fragments, on SW trend.	soil	RH	Q009428	0.0005	0.5	0.0002	0.2	0.021	0.79	2.37	10
Q009429	soil	9-Aug-16	UTM	NAD83	8v	521683	6766316	camp16-1	S side of felsic dyke margin? Limonite - tan C horizon soil, fine grained felsic dyke.	soil	RH	Q009429	0.0001	0.1	0.0002	0.2	0.01	0.69	2.38	10
Q009430	soil	9-Aug-16	UTM	NAD83	8v	521642	6766348	camp16-1	Frost boil with felsic fragments. Limonite - clay brecciated pieces, nearby siliceous - weak jasperoid.	soil	RH	Q009430	0.003	3	0.0017	1.7	0.254	2.57	17.95	10
Q009431	soil	9-Aug-16	UTM	NAD83	8v	521592	6766304	camp16-1	frost boil, felsic fragments, yellow - limonite sandy soil. As 9430.	soil	RH	Q009431	0.0003	0.3	0.0002	0.2	0.02	0.34	2.19	10
Q009432	soil	9-Aug-16	UTM	NAD83	8v	521484	6766306	camp16-1	Composite soil sample from various frost boils in gully. Abundant fine grained felsic rock as well as coarse grained feldspar porphyry float present. No veining present.	soil	RH	Q009432	0.0017	1.7	0.0011	1.1	0.079	1.31	6.15	10
Q009433	soil	9-Aug-16	UTM	NAD83	8v	521416	6766274	camp16-1	Composite soil in gully, as 9432, poor quality, pebbles mixed with loess - ash? No visible veining. Gully - structure trends SW towards gossan patches sampled in 2015.	soil	RH	Q009433	0.0037	3.7	0.0012	1.2	0.057	1.57	14.6	10

2015 and 2016 Soil Samples

Samp_No	Ba_ppm	Be_ppm	Bi_ppm	Ca_per	Cd_ppm	Ce_ppm	Co_ppm	Cr_ppm	Cs_ppm	Cu_ppm	Fe_per	Ga_ppm	Ge_ppm	Hf_ppm	Hg_ppm _MS42	In_ppm	K_per	La_ppm	Li_ppm	Mg_per	Mn_ppm	Mo_ppm	Na_per	Nb_ppm	Ni_ppm	P_per	Pb_ppm	Pd_ppm
I030108	118.5	0.47	0.091	0.85	0.19	24.6	17	36.2	0.596	50.3	3.81	7.16	0.065	0.134	0.028	0.035	0.09	11.2	18.7	1.12	443	1.06	0.083	0.487	33.9	0.031	6.15	0.002
I030109	106	0.25	0.075	0.36	0.118	9.07	6.75	23.1	0.412	12.45	1.96	4.25	0.025	0.068	0.016	0.012	0.03	4.41	7.7	0.4	200	0.74	0.018	0.68	13.6	0.014	3.94	0.001
I030110	149.5	0.43	0.076	0.62	0.218	20.3	11.6	26.4	0.483	32.1	3.15	4.43	0.061	0.034	0.035	0.025	0.07	13.05	9.3	0.5	500	2.09	0.022	0.346	22.6	0.03	5.12	0.003
I030111	80.3	0.43	0.063	0.17	0.028	31.3	5.06	13.15	0.253	6.91	1.84	4.92	0.041	0.038	0.007	0.013	0.09	16.55	10.3	0.31	199.5	0.32	0.008	0.197	6.52	0.028	6.11	0.001
I030112	151.5	0.36	0.035	2.14	0.121	12.35	16.65	21.5	0.673	50.4	3.29	3.36	0.044	0.071	0.094	0.024	0.17	5.53	6.5	0.39	469	0.26	0.022	0.279	16.25	0.032	2.45	0.007
I030113	41.5	0.11	0.074	5.12	0.154	16.1	3.84	8.97	0.421	12.9	8.38	4.74	0.069	0.065	0.028	0.027	0.18	8.61	6.6	0.19	120.5	3.03	0.254	0.127	4.7	0.036	8.62	0.001
I030114	58.2	0.55	0.075	0.35	0.043	60.4	8.72	18.5	0.183	17.25	2	4.65	0.088	0.06	0.021	0.028	0.05	34.4	8.9	0.38	363	1.09	0.01	0.126	13.9	0.039	8.74	0.002
I030115	293	0.63	0.201	0.48	0.811	19.6	12.5	23.5	0.399	104.5	4.8	3.01	0.096	0.072	0.077	0.071	0.15	14.9	7.8	0.26	212	16.6	0.056	0.05	63.3	0.076	11.65	0.002
I030116	59.3	0.68	0.066	0.29	0.032	71.5	7.21	22	0.258	11.9	2.62	6.39	0.06	0.041	0.007	0.022	0.06	28.5	16.5	0.4	419	0.52	0.007	0.118	10.05	0.062	7.58	0.002
I030117	692	0.41	0.054	2.34	0.144	12.55	19.05	23.4	0.758	82.7	5.59	2.26	0.057	0.083	0.024	0.032	0.16	6.32	3.2	0.35	746	0.76	0.009	0.066	22.1	0.058	2.98	0.004
I030118	162	0.78	0.239	0.42	0.283	14.15	9.69	22	0.658	72.8	3.96	4.42	0.056	0.073	0.025	0.051	0.09	8.11	12.8	0.49	172	5.89	0.009	0.168	29.3	0.053	10.15	0.002
I030119	558	0.7	0.041	2.66	0.444	16.05	17.85	22.8	1.39	81.6	4.23	4.47	0.056	0.05	0.042	0.039	0.18	8.08	6.3	0.39	764	0.61	0.014	0.125	20.9	0.054	4.45	0.001
I030120	157.5	0.34	0.076	0.63	0.154	18.45	8.79	17.75	0.901	24.8	2.15	2.97	0.045	0.033	0.028	0.017	0.06	9.54	5.2	0.25	320	1.05	0.016	0.364	21.6	0.065	6.55	0.001
I030121	62.8	0.47	0.076	3.13	0.158	12.5	21.4	9.27	0.434	116.5	3.58	1.54	0.056	0.039	2.2	0.032	0.1	5.31	1.1	0.59	659	0.32	0.007	0.032	26.7	0.104	4.66	0.003
I030122	138.5	0.44	0.085	0.37	0.046	17.75	11	33.3	0.569	24.4	3.09	5.08	0.048	0.061	0.03	0.025	0.05	9.43	10.1	0.75	357	1.32	0.015	0.434	25	0.025	5.66	0.001
I030123	438	0.45	0.13	1.41	0.223	19.4	15.05	35.7	0.414	55.1	3.54	4.25	0.059	0.068	0.054	0.03	0.11	11.2	9.4	0.57	429	1.77	0.015	0.879	35.1	0.028	4.99	0.001
Q009418	300	0.74	0.147	0.16	1.885	71.7	8.96	16.8	4.54	22.6	2.38	2.73	0.073	0.01	0.037	0.051	0.06	39.3	4.8	0.2	994	1.08	0.009	0.264	11.45	0.05	270	0.001
Q009419	195	0.63	0.156	0.21	0.467	42.6	9.27	33.2	3.94	18.3	2.5	4.39	0.064	0.013	0.022	0.024	0.06	22.1	7.1	0.51	507	0.85	0.015	0.766	21.4	0.053	44.6	0.001
Q009420	157.5	0.96	0.052	0.19	0.223	132.5	7.91	14.7	7.93	7.1	2.81	4.31	0.105	0.022	0.013	0.034	0.06	57.4	4.3	0.24	419	1.17	0.013	0.289	9.31	0.066	13.2	0.001
Q009421	680	1.09	0.142	0.86	2.68	96.9	15.35	9.75	7.93	56.1	3.65	2.53	0.127	0.051	0.027	0.029	0.12	55.4	4.2	0.24	2190	4.9	0.009	0.296	14.5	0.081	308	0.001
Q009422	439	1.39	0.183	1.04	0.485	70.8	21.2	22.9	7.9	28.1	5.33	3.77	0.133	0.042	0.032	0.039	0.11	36.4	7.2	0.48	1835	1.73	0.012	0.254	24.5	0.102	37.2	0.003
Q009423	423	0.89	0.062	1.67	0.768	29.4	17.2	5.31	7.01	23.2	3.49	1.285	0.071	0.052	0.027	0.02	0.09	14.65	1.4	0.4	1915	1.95	0.007	0.017	16.85	0.06	57.8	0.003
Q009424	271	0.5	0.14	0.61	0.885	42.2	14.7	34.1	5	27.6	3.61	3.37	0.091	0.016	0.026	0.02	0.07	23.1	6.2	0.49	1045	1.47	0.018	0.587	21.7	0.091	45.4	0.001
Q009425	164.5	0.59	0.172	0.4	0.253	58.6	12.35	27.7	4.72	23.1	3.02	3.71	0.091	0.039	0.018	0.022	0.09	32.2	6.1	0.44	616	1.33	0.013	0.439	18.5	0.091	22.2	0.001
Q009426	256	0.72	1.72	0.34	0.161	34.3	19.3	39	9.11	35.6	5.01	4.62	0.089	0.016	0.032	0.046	0.05	16.45	6.8	0.42	586	1.49	0.011	0.427	27.7	0.084	8.04	0.001
Q009427	113.5	0.52	0.075	0.3	0.057	57.6	10.8	9.82	3.65	16.8	2.83	2.07	0.081	0.01	0.082	0.031	0.08	28.3	1.5	0.12	793	0.4	0.005	0.113	11.55	0.043	4.21	0.001
Q009428	58.8	0.3	0.052	0.1	0.051	21.8	3.83	10.35	6.33	7.39	1.18	2.39	0.028	0.003	0.008	0.008	0.04	12.15	3.6	0.2	196.5	0.14	0.008	0.146	6.53	0.022	2.97	0.001
Q009429	96.6	0.53	0.037	0.15	0.063	52.1	4.48	5.09	7.2	3.62	1.34	1.59	0.04	0.005	0.009	0.005	0.07	28.4	1.6	0.13	387	0.17	0.007	0.065	4.34	0.03	9.24	0.001
Q009430	167.5	0.63	0.262	0.44	0.214	21.5	15.5	68.3	18.9	48	4.75	8.33	0.083	0.008	0.038	0.044	0.12	11.05	15	0.75	633	0.81	0.019	0.34	31.8	0.121	6.79	0.001
Q009431	31.6	0.21	0.019	0.07	0.044	51.6	4.25	3.99	3.47	4.43	0.72	1.065	0.037	0.073	0.004	0.005	0.04	31.7	1.1	0.07	170	0.16	0.008	0.027	3.68	0.011	2.39	0.001
Q009432	78.4	0.37	0.125	0.34	0.137	20.1	17.35	39.9	5.49	39	3.83	4.78	0.07	0.004	0.011	0.04	0.05	9.31	6	0.47	575	0.42	0.019	0.183	26.8	0.076	3.35	0.001
Q009433	88.9	0.39	0.145	0.31	0.219	26.8	16.6	36.6	5.45	30.6	2.63	5	0.055	0.011	0.014	0.019	0.06	12.55	8.1	0.57	481	0.51	0.021	0.552	24.7	0.081	9.64	0.001

2015 and 2016 Soil Samples

Samp_No	Pt_ppm	Rb_ppm	Re_ppm	S_per	Sb_ppm	Sc_ppm	Se_ppm	Sn_ppm	Sr_ppm	Ta_ppm	Te_ppm	Th_ppm	Ti_per	Tl_ppm	U_ppm	V_ppm	W_ppm	Y_ppm	Zn_ppm	Zr_ppm	Au_AROR43_ppm	Certificate
I030108	0.002	8.06	0.001	0.01	0.466	12.8	0.8	0.39	55.8	0.005	0.01	2.36	0.032	0.133	0.564	95.7	0.117	11.2	61.5	4.23		WH16163700
I030109	0.002	3.92	0.001	0.01	0.207	3.2	0.1	0.29	18.7	0.005	0.01	1.08	0.043	0.068	0.21	53.8	0.643	2.2	35.1	2.17		WH16163700
I030110	0.002	5.78	0.001	0.01	0.781	10.4	1	0.29	29.3	0.005	0.01	1.68	0.021	0.11	0.452	76.2	0.103	14.65	60.8	1.1		WH16163700
I030111	0.002	6.78	0.001	0.01	0.177	2.19	0.1	0.26	10.1	0.005	0.01	3.75	0.007	0.038	0.623	33.3	0.036	4.89	32.5	1.01		WH16163700
I030112	0.003	6.87	0.001	0.03	1.47	16.55	0.2	0.23	97.6	0.005	0.02	0.943	0.007	0.084	0.146	101	0.142	9.69	28.2	2.08		WH16163700
I030113	0.002	7.17	0.001	4.3	0.282	1.745	0.7	0.3	184.5	0.005	0.02	2.16	0.005	0.501	0.757	168.5	0.055	1.885	59.9	2.08		WH16163700
I030114	0.002	3.16	0.001	0.02	0.177	6.78	0.2	0.28	14.45	0.005	0.02	8.48	0.004	0.044	2.04	28.3	0.027	14.25	61	1.78		WH16163700
I030115	0.003	5.25	0.014	0.36	3.49	13.9	7.9	0.4	193.5	0.005	0.11	2.03	0.001	0.536	1.95	69.4	0.069	21.3	224	2.69		WH16163700
I030116	0.002	4.48	0.001	0.01	0.135	5.28	0.1	0.47	7.54	0.005	0.01	7.78	0.005	0.045	0.874	42.7	0.032	9.09	44.3	1.18		WH16163700
I030117	0.003	8.06	0.001	0.03	0.338	17.35	0.5	0.2	86.4	0.005	0.02	0.852	0.002	0.06	0.311	94.3	0.067	13.65	63.7	1.57		WH16163700
I030118	0.002	5.4	0.017	0.05	1.82	7.72	4.4	0.52	45.6	0.005	0.07	2.52	0.004	0.193	0.732	55	0.035	5.25	165.5	2.2		WH16163700
I030119	0.003	10.3	0.001	0.03	0.256	25.4	0.6	0.24	94.7	0.005	0.01	0.892	0.003	0.079	0.284	97.1	0.132	20.7	68.9	1.32		WH16163700
I030120	0.002	5.52	0.001	0.02	0.374	6.33	0.3	0.22	34.6	0.005	0.01	1.415	0.013	0.061	0.659	39.5	0.09	6.66	47	1.43		WH16163700
I030121	0.003	4.3	0.001	0.24	51	14.75	2.7	0.25	141	0.005	0.04	1.34	0.001	1.155	0.629	87.1	0.256	12.35	55.2	0.63	0.83	WH16163700
I030122	0.002	4.73	0.001	0.01	1.015	9.61	0.8	0.32	28.8	0.005	0.02	2.29	0.038	0.063	0.604	81.5	0.103	5.91	45	2.71		WH16163700
I030123	0.002	5.98	0.001	0.02	0.793	13	0.7	0.39	47.7	0.005	0.03	2.52	0.035	0.151	0.516	88.2	0.174	15	56.2	2.7		WH16163700
Q009418	0.002	9.03	0.001	0.02	4.11	2.7	0.4	0.24	13.7	0.005	0.14	11.1	0.007	0.183	3.71	32.2	0.508	10.1	251	0.35		WH16131836
Q009419	0.002	7.85	0.001	0.02	0.72	3.7	0.4	0.36	11.85	0.005	0.1	5.44	0.052	0.092	2.96	54.8	0.338	10.95	73	0.55		WH16131836
Q009420	0.002	6.48	0.001	0.01	0.26	4.82	0.3	0.55	9.2	0.005	0.01	30.7	0.005	0.081	3.06	38.3	0.27	22.7	28.6	1.17		WH16131836
Q009421	0.002	11	0.001	0.06	7.06	5.42	0.6	0.25	14.95	0.005	0.07	22.2	0.004	0.134	8.35	35.7	0.503	35.6	265	2.53		WH16131836
Q009422	0.002	13.05	0.001	0.01	1.52	11.9	0.5	0.44	18	0.005	0.08	21.5	0.022	0.161	5.12	69.5	0.655	30.6	139	2.67		WH16131836
Q009423	0.002	7.81	0.001	0.29	2.12	5.5	0.4	0.1	27.3	0.005	0.06	10.4	0.001	0.194	5.67	26	0.322	17.9	124.5	3.2		WH16131836
Q009424	0.002	7.95	0.001	0.16	1.815	5.48	1	0.38	25.7	0.005	0.06	6.88	0.048	0.114	19.5	79	0.347	18.8	96.7	0.64		WH16131836
Q009425	0.002	9.37	0.001	0.01	0.812	6.7	0.4	0.36	14.4	0.005	0.04	14.05	0.045	0.119	2.96	67.9	0.374	21.6	55.7	2.13		WH16131836
Q009426	0.002	8.88	0.001	0.04	1.72	9.69	0.6	0.44	13.8	0.005	0.19	2.06	0.023	0.14	2.62	118.5	0.739	21.1	54.9	0.55		WH16131836
Q009427	0.002	5.82	0.001	0.01	0.701	5.7	0.3	0.6	18.85	0.005	0.01	3.32	0.004	0.161	2.07	37.6	0.286	14	33.2	0.85		WH16131836
Q009428	0.002	8.63	0.001	0.01	0.484	1.89	0.2	0.14	7.51	0.005	0.02	0.964	0.012	0.036	0.774	19.7	0.11	3.85	20.5	0.18		WH16131836
Q009429	0.002	7.88	0.001	0.02	0.195	1.555	0.2	0.09	14.95	0.005	0.01	3.63	0.004	0.187	0.987	15.1	0.069	4.61	13.7	0.21		WH16131836
Q009430	0.002	14.25	0.001	0.07	1.105	9.22	0.8	0.51	41.6	0.005	0.06	0.47	0.045	0.175	1.92	116	0.278	18.95	87.3	0.22		WH16131836
Q009431	0.002	2.51	0.001	0.01	0.291	1.335	0.2	0.07	7.51	0.005	0.01	7.83	0.007	0.054	0.829	12.1	0.044	4.86	9.5	3.39		WH16131836
Q009432	0.002	4.15	0.001	0.01	1.1	10.85	0.4	0.37	20.1	0.005	0.02	0.945	0.043	0.06	1.75	101	0.105	17.2	50.6	0.21		WH16131836
Q009433	0.002	6.09	0.001	0.02	0.973	4.54	0.5	0.38	13.25	0.005	0.03	1.085	0.082	0.101	0.994	63.7	0.621	8.31	44.6	0.41		WH16131836

Appendix D
Field Stations

Station	Project	Date	Time	Grid	Datum	Zone	Easting	Northing	Elev	Ft.	Description	structure
Camp1	Teslin_Mtn	20-Jun-15	3:07:19PM	UTM	NAD83	8v	523130	6764436	4607	ft	2015 Camp 1	
Camp2	Teslin_Mtn	20-Jun-15	3:10:40PM	UTM	NAD83	8v	527911	6773314	5256	ft	2015 Camp 2	
RH15107	Teslin_Mtn	20-Jun-15		UTM	NAD83	8v	519748	6766117			Heli set out on ridge top, traverse east to Camp 1. Nearby outcrop of dark grey - green weathering grey - green fine grained volcanic derived sandstone. & Possible basalt pillows.	0.5m spaced joint 315/28N 0.25m spaced joint 062/68S
RH15108	Teslin_Mtn	20-Jun-15	6:53:14PM	UTM	NAD83	8v	521135	6766038	5610	ft	Scree of Jasperoid and rhy. Need to revisit and sample.	
RH15109	Teslin_Mtn	20-Jun-15	7:16:00PM	UTM	NAD83	8v	521629	6765825	5586	ft	Float of qtz-jasperoid . Need to revisit and sample	
RH15110	Teslin_Mtn	21-Jun-15	2:02:10PM	UTM	NAD83	8v	522105	6765748	5509	ft	outcrop of rusty brown weathering dark green pyritic andesite in sharp contact with overlying non rusty weathering grey green andesite	
RH15111	Teslin_Mtn	21-Jun-15	2:12:40PM	UTM	NAD83	8v	522041	6765777	5583	ft	scattered very angular float boulders of white (lichen?) weathered white qtz porphyry, white aphanitic qtz-feld groundmas. Dyke or ?	
RH15112	Teslin_Mtn	21-Jun-15	3:41:58PM	UTM	NAD83	8v	521719	6766569	5853	ft	Float - frost boils of white weathering white qtz-feld porph - similar to that seen at 122607. More porphyry to west (rim of valley) and variants (ie. Siliceous hbl grd?), also feld phyric andesite and flower rock without flowers! Photo from sTN of 122607, tan patch below snow, looking approx 140 deg.	
RH15113	Teslin_Mtn	22-Jun-15	10:45:33AM	UTM	NAD83	8v	522152	6765644	5420	ft	Small 2x3m outcrop of qtz-mag+/- jasperoid brx. 2 m to north is outcrop of grey weathering dark green fine gr and-basalt. Approx 15m to South is outcrop of light grey wea hbl 'granitoid' with small float patch of lim - carb alt between. Sketch in notebook.	joints on qtz-mag outcrop 080/63S.
RH15114	Teslin_Mtn	22-Jun-15	11:57:57AM	UTM	NAD83	8v	521705	6765825	5576	ft	3.4 m long by 1m wide white weathering siliceous hbl qtz porph. Only remnant chloritized hbl remains at contact with grey weathering dark green andesite. Sharp contact but qtz porphyry intrudes - see photo. Porphyry discontinuous in both E&W directions as andesite outcrop abuts .	
RH15115	Teslin_Mtn	22-Jun-15	12:47:07PM	UTM	NAD83	8v	521523	6765913	5649	ft	Contact bewteen qtz-hbl porphyry to South and dark green basalt - andesite to North. Irregular contact, maybe original depositional contact? Irregular shape and qtz hbl porph abuts andesite - basalt outcrop to Norht. 2 panorama photos looking westerly. Stn 108 (mag-jasper-qtz area) in left(s) of photo near 'vertical' snow patch. see orig notes	contact 120/dips N, or steep?
RH15116	Teslin_Mtn	22-Jun-15	2:07:10PM	UTM	NAD83	8v	521160	6766127	5618	ft	basaltic - andesite and block white - light grey qtz - hbl porph exposure.	contact 240/45?N
RH15117	Teslin_Mtn	22-Jun-15	2:55:33PM	UTM	NAD83	8v	520748	6765665	5316	ft	scree of feldspar porphyry - see photo	
RH15118	Teslin_Mtn	22-Jun-15	4:20:32PM	UTM	NAD83	8v	521528	6765083	4869	ft	Outcrop and scree of feldspar hbl porph , approx 10m wide. X/C by (1) 1mm qtz veinlet.	
RH15119	Teslin_Mtn	22-Jun-15	5:20:00PM	UTM	NAD83	8v	522164	6765041	4862	ft	Outcrop on ridge spur of white weathering light grey feld porph. Contact not exposed but based on andesite-basalt ocrop to north might be 290deg. Body of porphyry run N up spur, approx 100m n Norht of stn on spur.	jointing N-S/90 contact approx 290?

Station	Project	Date	Time	Grid	Datum	Zone	Easting	Northing	Elev	Ft.	Description	structure
RH15120	Teslin_Mtn	22-Jun-15	5:51:38PM	UTM	NAD83	8v	522852	6764963	4452	ft	Whalesback outcrop of green basalt - andesite. Elongated NNE approx 025 deg.	
RH15121	Teslin_Mtn	23-Jun-15	11:20:11AM	UTM	NAD83	8v	523968	6775411	3812	ft	Heli set out on mini landslide or scree - located NW of Camp 2. Start of long traverse back to camp 2. Scree of monolithologic brn - grey weathering grey aphanitic magnetite - pyrite (poss pyrrohoite in part) andesite - dacite. Non siliceous, slabby. Lookin at rusty weathering cliff of what appears to be near horizontal volcanic flows/beds. Uppermost bed has cooling joints?	
RH15122	Teslin_Mtn	23-Jun-15	12:46:32PM	UTM	NAD83	8v	523882	6775614	3880	ft	Rhy, flow dyke, fine grained, welded tuff? Fine grained lithic clasts and feld phyruc. On south margin of gully.	
RH15123	Teslin_Mtn	23-Jun-15	1:11:32PM	UTM	NAD83	8v	523937	6775805	3829	ft	at base of volcanic cliffs that trend approx 110 deg and form north margin of gully. Cliffs of tan lithic lapilli. Flattened pyramid voids up to 5cm of weathered out?? Variety of angular clasts; feld phyruc andesite, dark grey basalt?, light and dark gray fine grained ?? X/cut by dry fractures, joints N-S/ steep. till fills fractures and cracks in cliffs.	bedding lapilli tuff 174/16E fault in cliff 184/26W joint-open space 358/80
RH15124	Teslin_Mtn	23-Jun-15	3:59:15PM	UTM	NAD83	8v	524046	6774975	3809	ft	Float of tan lithic tuff, similar to STN 123. start of thunderstorm	
RH15125	Teslin_Mtn	23-Jun-15	7:22:23PM	UTM	NAD83	8v	526262	6773445	3227	ft	Flat plateau and nice walking! Cliff of grey qtz-feldspar phyruc andesite.	
RH15126	Teslin_Mtn	23-Jun-15	8:38:59PM	UTM	NAD83	8v	527544	6773234	2987	ft	NW (upper edge) of landslide. End of thunderstorm.	
RH15127	Teslin_Mtn	24-Jun-15	3:13:24PM	UTM	NAD83	8v	528186	6773346	2606	ft	White river ash deposited on top of landslide debris with lichen and more mature tree cover. Multiple events including present time.	
RH15128	Teslin_Mtn	24-Jun-15	5:20:26PM	UTM	NAD83	8v	528423	6773716	2471	ft	Whales back outcrop of grey limestone, O/C trends 138 - glacial scour - shapping	glacial dir'n 138deg
RH15129	Teslin_Mtn	24-Jun-15	5:30:12PM	UTM	NAD83	8v	528527	6773647	2486	ft	Dark grey limestone X/C by white calcite veinlets.	
RH15130	Teslin_Mtn	24-Jun-15	5:40:21PM	UTM	NAD83	8v	528516	6773629	2500	ft	Brecciated, partly decalcified limestone. Limonite replacing coarse 1-3mm py?	
RH15131	Teslin_Mtn	24-Jun-15	5:49:51PM	UTM	NAD83	8v	528454	6773630	2468	ft	White qtz veins 1-2 up to 4 cm X-cutting feld phyruc intermediate carb alt intrusive -volcanic.	qtz veining 070/90
RH15132	Teslin_Mtn	24-Jun-15	6:11:18PM	UTM	NAD83	8v	528364	6773681	2427	ft	NW end of whalesback outcrop with exposure of carb alt feld phyruc intrusive/volcanic	
Rh15133	Teslin_Mtn	25-Jun-15	3:07:11PM	UTM	NAD83	8v	526579	6773698	3008	ft	Grey weathering, grey feld-qtz-biot phyruc andesite. Fine grained crystalline groundmass. Non mag, minor FeOx on joint faces.	
RH15134	Teslin_Mtn	25-Jun-15	3:38:56PM	UTM	NAD83	8v	526241	6773579	3150	ft	grey weathering grey qtz-feld-biot phyruc andesite, fresh. Magnetic, rubble pile - not O/C. Overall, seems to be flattish lying volc packages forming mini plateaus and cliffs. Local structures in cliffs are often steep.	
RH15135	Teslin_Mtn	25-Jun-15	3:57:15PM	UTM	NAD83	8v	526163	6773584	3185	ft	Top of cliff. Andesite agglomerate - lapilli tuff, fresh, magnetic	

Station	Project	Date	Time	Grid	Datum	Zone	Easting	Northing	Elev	Ft.	Description	structure
RH15136	Teslin_Mtn	26-Jun-15	10:21:48AM	UTM	NAD83	8v	528204	6773572	2488	ft	on Scoured hump, knoll next to pond. Very weak rusty brown weathering green-grey limy siltstone-sandstone-conglomerate. Congl has limy clasts, disrupted lamin. Very dirty sandstone.	
RH15137	Teslin_Mtn	26-Jun-15	11:32:05AM	UTM	NAD83	8v	528087	6773685	2511	ft	NW end of whalesback outcrop, dark grey green very weakly calcareous shale, minor reddish sandy lamination - beds, Bedding not visible.	strong fracture- joint 122/90
RH15138	Teslin_Mtn	26-Jun-15	1:07:50PM	UTM	NAD83	8v	528391	6773633	2417	ft	10m long x 2m high brown weathering outcrop of grey dirty sandstone x-cut by fractures and minor calcite veinlets. Calcareous matrix. Brx-carb-ankerite zone approx 25cm wide	frac with cal vnlets 250/35N frac spaced 10cm 015/50S 25cm brx fracture zone 040/76S
RH15139	Teslin_Mtn	26-Jun-15	4:32:45PM	UTM	NAD83	8v	528220	6773841	2434	ft	brown weathering pebble conglomerate; brn matrix supporting brn rounded clasts composed of sub mm granular 'sand'. Possible fault breccia?	
RH15140	Teslin_Mtn	26-Jun-15	5:13:04PM	UTM	NAD83	8v	528080	6774096	2427	ft	Outcrop of grey weathering grey lithic lapilli tuff. Similar to young volc rocks to west.	
RH15141	Teslin_Mtn	26-Jun-15	5:51:45PM	UTM	NAD83	8v	528186	6773765	2419	ft	Sub outcrop of red weathering immature sandstone with pebbles of angular SS clasts.	
	Teslin_Mtn	27-Jun-15		UTM	NAD83	8v					Noted limonite weathering and possible carb alteration to north of Camp 1. Use GPS track to locate. (Later research showed this to be Debiki occurrence - RH)	
Gossan	Teslin_Mtn	5-Jul-16	8:29:16AM	UTM	NAD83	8v	388316	6834512			Gossan	
RH16052	Teslin_Mtn	8-Aug-16	10:51:46AM	UTM	NAD83	8v	523511	6767405	758		N side of cliff exposure at Dibicki occurrence; limonite weathered granodiorite. 1 small piece of float cross cut by 0.5mm fine grained qtz.	
RH16053	Teslin_Mtn	8-Aug-16	11:49:06AM	UTM	NAD83	8v	523558	6767444	757		Middle of cliff exposure. Grey weathering outcrop of hornblende medium grain size. Not grussy. More competent, few fractures (late?).	
RH16054	Teslin_Mtn	8-Aug-16	12:27:36PM	UTM	NAD83	8v	523565	6767430	770		Andesitic fine grained dyke trending 204/70W and approx 2 m wide. Looks like open creek volc. Strongly carb altered.	204/70W
RH16055	Teslin_Mtn	8-Aug-16	2:02:55PM	UTM	NAD83	8v	523659	6767427	765		Massive medum grained hornblende granodiorite. Grey weathering, pinkish, black speckled on fresh surface. Cut by 0.5-1.0m spaced joint set, rare carb - qtz - limonite veinlets.	
RH16056	Teslin_Mtn	8-Aug-16		UTM	NAD83	8v	523570	6767413			set of 4 claim posts; Post No. 1 YA74695. photo	
RH16057	Teslin_Mtn	8-Aug-16	3:44:57PM	UTM	NAD83	8v	522999	6766285	740		in saddle, west side: dark grey weathering, dark grey fine grained highly magnetic volcanic. Middle: limonite - orange weathering brecciated silicified limonitic calcite altered granodiorite as at main gossan. Some of it may be a felsic dyke. East side: grey siltstone.	
RH16058	Teslin_Mtn	9-Aug-16	11:34:27AM	UTM	NAD83	8v	521897	6766727	737		On edge of plateau - ridge. Looking down NE trending chute, fault zone with minor felsic dyking, clay developed on SE side. Abundant glacial erratics. Photo	
RH16059	Teslin_Mtn	9-Aug-16	2:30:45PM	UTM	NAD83	8v	521555	6766285	740		Photos looking E and W at white patches of felsic dyke.	
RH16052A	Teslin_Mtn	23-Sep-16	11:14:36AM	UTM	NAD83	8v	528141	6773774	744		small <0.5 x 0.5m outcrop of brown calcareous sandstone - siltstone.	

Station	Project	Date	Time	Grid	Datum	Zone	Easting	Northing	Elev	Ft.	Description	structure
RH16053A	Teslin_Mtn	23-Sep-16	11:29:59AM	UTM	NAD83	8v	528151	6773743	758		outcrop and subcrop, mostly moss vegetation covered brown - green brown calcareous greywacke - siltstone - sandstone with abundant feldspar grains (epiclastic ?). No soil.	
RH16054A	Teslin_Mtn	23-Sep-16	11:42:15AM	UTM	NAD83	8v	528164	6773740	757		Brown - green weathering, green with white specks of feldspar, epiclastic, </= cm size clasts of dark siltstone. Abundant outcrop and subcrop on hillside. No soil.	
Rh16055A	Teslin_Mtn	23-Sep-16	11:51:08AM	UTM	NAD83	8v	528161	6773700	770		Top of hill, facing east, on 'plateau' composed of sandstone - siltstone - ?? Epiclastic as stn 052 - 054.	
RH16056A	Teslin_Mtn	23-Sep-16	12:15:00PM	UTM	NAD83	8v	528134	6773648	765		Siltstone subcrop of feldspathic epiclastic	
RH16057A	Teslin_Mtn	23-Sep-16	2:39:02PM	UTM	NAD83	8v	528040	6773876	740		Float and pebbles of dark grey siltstone.	
RH16058A	Teslin_Mtn	23-Sep-16	2:58:18PM	UTM	NAD83	8v	528012	6774011	737		White weathering, well foliated - almost sheared felsic epiclastic with rhyolite, dacite and shale clasts.	
RH16059A	Teslin_Mtn	23-Sep-16	5:11:12PM	UTM	NAD83	8v	528271	6773824	740		Next to 2015 sample 122622. Weird intrusive - breccia. Qtz - tourmaline minor calcite matrix with matrix supported clasts of white qtz-feldspar. Needs a thin section.	
NOOC_Camp	Teslin_Mtn	23-Sep-16	9:20:40AM	UTM	NAD83	8v	528179	6773871	735		2016 camp site	
RH16060	Teslin_Mtn	24-Sep-16	9:52:06AM	UTM	NAD83	8v	528219	6773915	748		2x2m outcrop of brown feldspathic sandstone	
RH16061	Teslin_Mtn	24-Sep-16	9:57:48AM	UTM	NAD83	8v	528269	6773904	749		SE end of hump of brown feldspathic sandstone, as stn 060.	
RH16062	Teslin_Mtn	24-Sep-16	10:25:33AM	UTM	NAD83	8v	528243	6773907	737		small 1x0.5m outcrop of brown feldspathic sandstone	
RH16063	Teslin_Mtn	24-Sep-16	11:29:59AM	UTM	NAD83	8v	528269	6773827	747		Feldspar porphyry with qtz vein float in area of intrusive. Hump for approx 50 m south is all variations of feld porphyry.	
RH16064	Teslin_Mtn	24-Sep-16	12:00:22PM	UTM	NAD83	8v	528337	6773750	752		Attempted soil sample site. 0.5m deep, hematite - red-grey at depth of fine powder silt size soil. Similar to other soils found between 'humps'.	
RH16065	Teslin_Mtn	24-Sep-16	12:18:07PM	UTM	NAD83	8v	528411	6773812	754		Hump outcrop of brown feldspathic sandstone with occasional siltstone pebbles.	
RH16066	Teslin_Mtn	24-Sep-16	12:30:33PM	UTM	NAD83	8v	528461	6773836	745		Hump outcrop of brown conglomerate, mixed liths of sandstone, feldspar porphyry, qtz, with sandy calcareous matrix.	
RH16067	Teslin_Mtn	24-Sep-16	12:34:37PM	UTM	NAD83	8v	528533	6773781	748		Brown sandstone, conglomerate 20 m to east.	
RH16068	Teslin_Mtn	24-Sep-16	1:22:32PM	UTM	NAD83	8v	528507	6773643	764		Limestone sub crop. Fine grained grey limestone.	
RH16069	Teslin_Mtn	24-Sep-16	1:33:33PM	UTM	NAD83	8v	528644	6773564	752		Outcrop of grey limestone, as previous, minor 'normal' calcite veins. Photo looking east, down game trail to lake.	
RH16070	Teslin_Mtn	24-Sep-16	2:08:11PM	UTM	NAD83	8v	528561	6773490	763		Intermediate volcanoclastic (photo) andesite - dacite, no obvious rhyolite, veining or alteration.	
RH16071	Teslin_Mtn	24-Sep-16	2:19:04PM	UTM	NAD83	8v	528577	6773410	782		Medium grained andesitic volcanoclastic - sandstone. Finer grained brown sandstone approx 75 m to SE.	
RH16072	Teslin_Mtn	24-Sep-16	2:32:25PM	UTM	NAD83	8v	528567	6773302	781		N (or NW) edge of Open Creek volcanics, toe of landslide. No outcrop.	
RH16073	Teslin_Mtn	24-Sep-16	2:57:05PM	UTM	NAD83	8v	528663	6773135	793		Outcrop - subcrop? Of Open Creek volcanics. Doesn't look like landslide.	

Station	Project	Date	Time	Grid	Datum	Zone	Easting	Northing	Elev	Ft.	Description	structure
RH16074	Teslin_Mtn	24-Sep-16	3:30:05PM	UTM	NAD83	8v	528302	6773625	736		Small outcrop - subcrop on W side of pond; brown feldspathic sandstone, no alteration, veining or mineralization.	
RH16075	Teslin_Mtn	24-Sep-16	3:50:56PM	UTM	NAD83	8v	528299	6773760	731		Conglomerate, rounded clasts \leq 2cm grey limestone.	

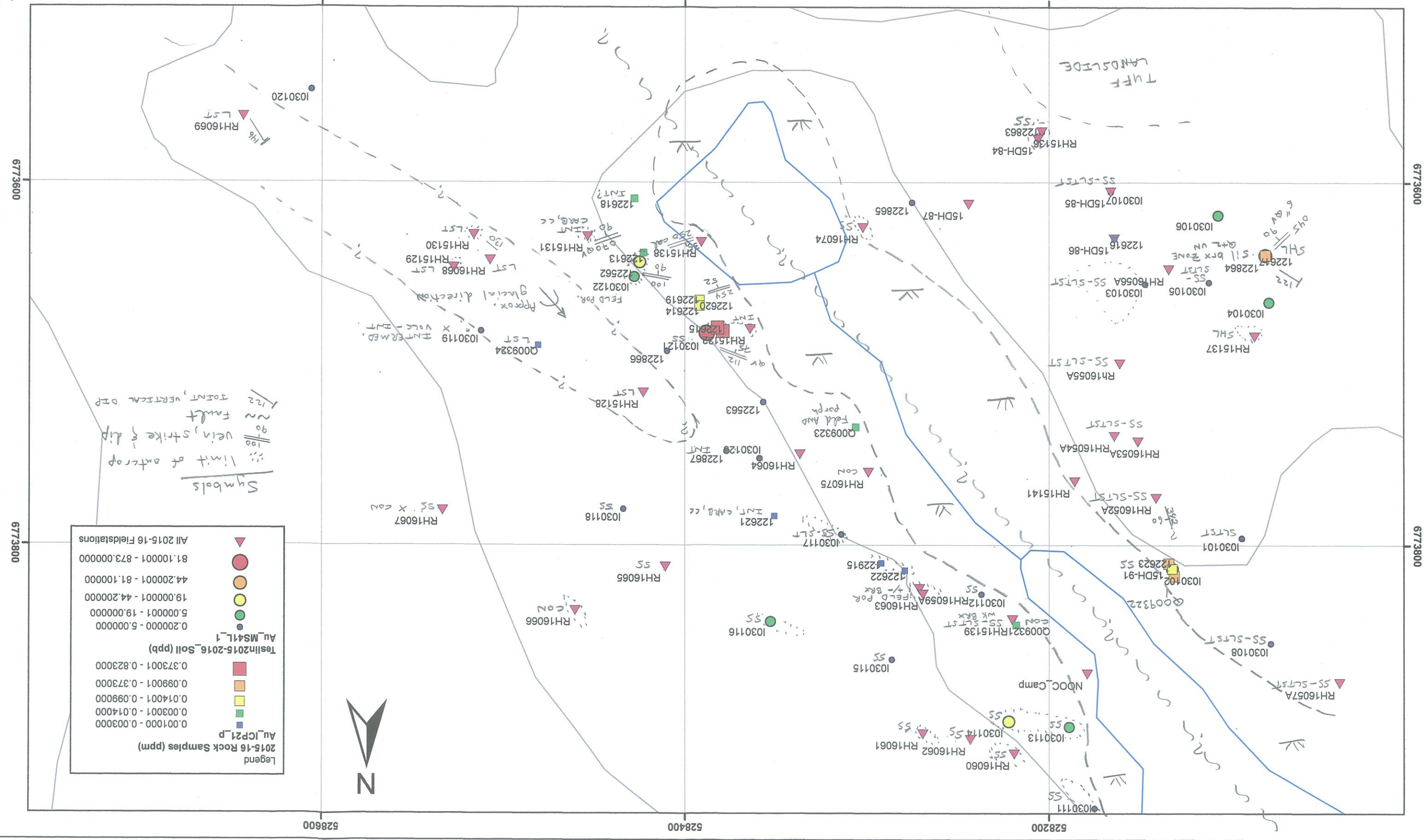
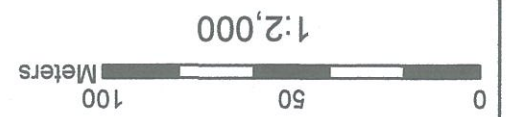
Appendix E
Digital Data

**MAP
POCKET**

NOOC Property - Pond Zone Geology and Gold Geochemistry

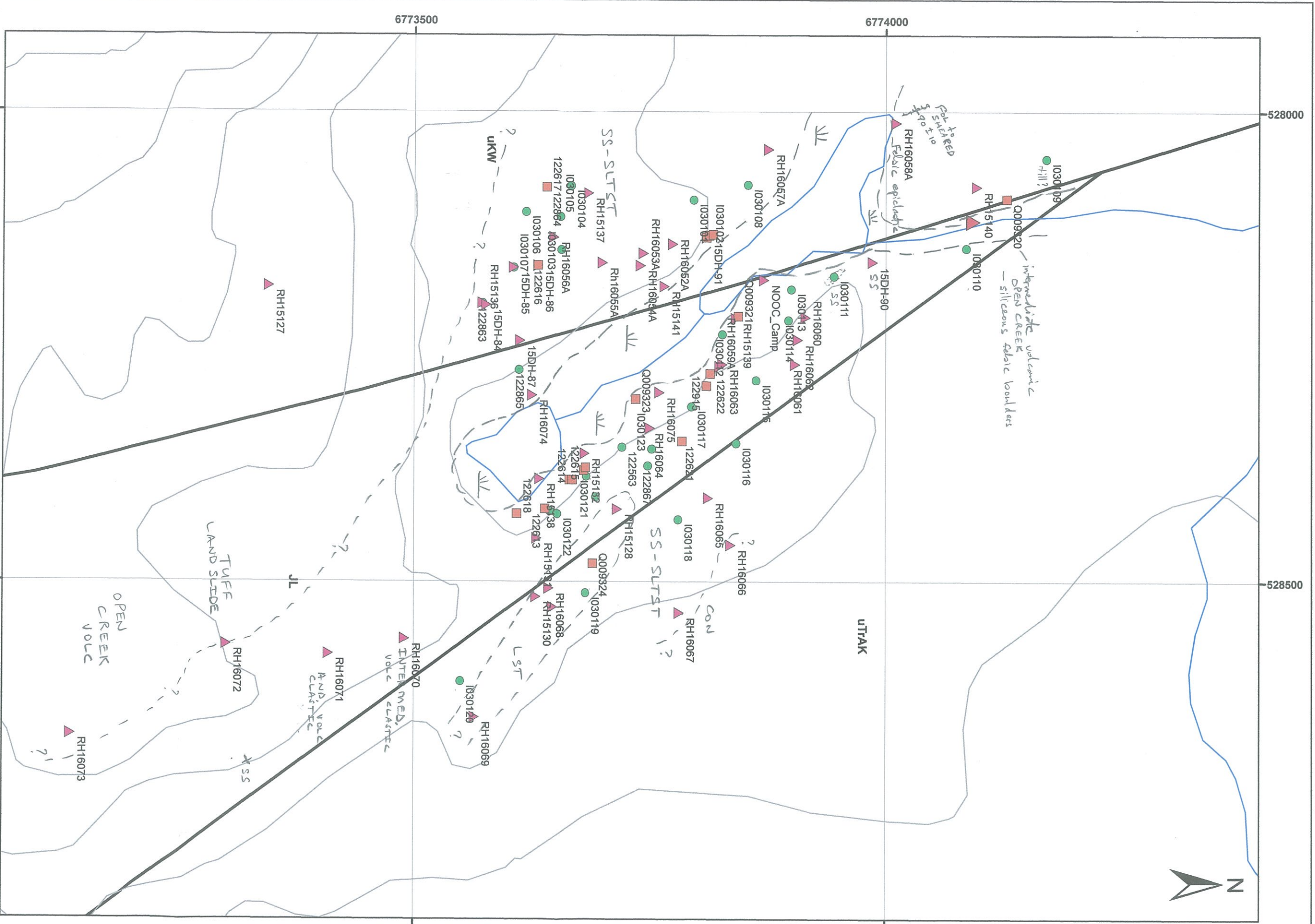
Note: See Fig. 10 for geology legend

Date: Jan. 2, 2017 Drawn by: RWH
NTS 105E-01, UTM NAD83 Zone 6



Legend

2015-16 Rock Samples (ppm)	Au (ppm)
0.001000 - 0.003000	0.003001 - 0.014000
0.014001 - 0.099000	0.099001 - 0.373000
0.373001 - 0.823000	0.823001 - 1.646000
1.646001 - 3.292000	3.292001 - 6.584000
6.584001 - 13.168000	13.168001 - 26.336000
26.336001 - 52.672000	52.672001 - 105.344000
105.344001 - 210.688000	210.688001 - 421.376000
421.376001 - 842.752000	842.752001 - 1685.504000
1685.504001 - 3371.008000	3371.008001 - 6742.016000
6742.016001 - 13484.032000	13484.032001 - 26968.064000
26968.064001 - 53936.128000	53936.128001 - 107872.256000
107872.256001 - 215744.512000	215744.512001 - 431489.024000
431489.024001 - 862978.048000	862978.048001 - 1725956.096000
1725956.096001 - 3451912.192000	3451912.192001 - 6903824.384000
6903824.384001 - 13807648.768000	13807648.768001 - 27615297.536000
27615297.536001 - 55230595.072000	55230595.072001 - 110461190.144000
110461190.144001 - 220922380.288000	220922380.288001 - 441844760.576000
441844760.576001 - 883689521.152000	883689521.152001 - 1767379042.304000
1767379042.304001 - 3534758084.608000	3534758084.608001 - 7069516169.216000
7069516169.216001 - 14139032338.432000	14139032338.432001 - 28278064676.864000
28278064676.864001 - 56556129353.728000	56556129353.728001 - 113112258707.456000
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Date: Jan. 2, 2017 Drawn by: RWH
 NTS 105E-01, UTM NAD83 Zone 6

Legend

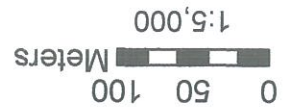
- NOOC_2015-16_Rocks' Events
- ▲ All 2015-16 Fieldstations
- Testin2015-2016_Soil
- Bedrock_Geology Contacts: YUKDN - GEOLOGICAL SURVEY

0 150 300
 Meters

NOOC Property
2015-2016 Fieldstations & Soil and Rock Sample Locations

Figure 10

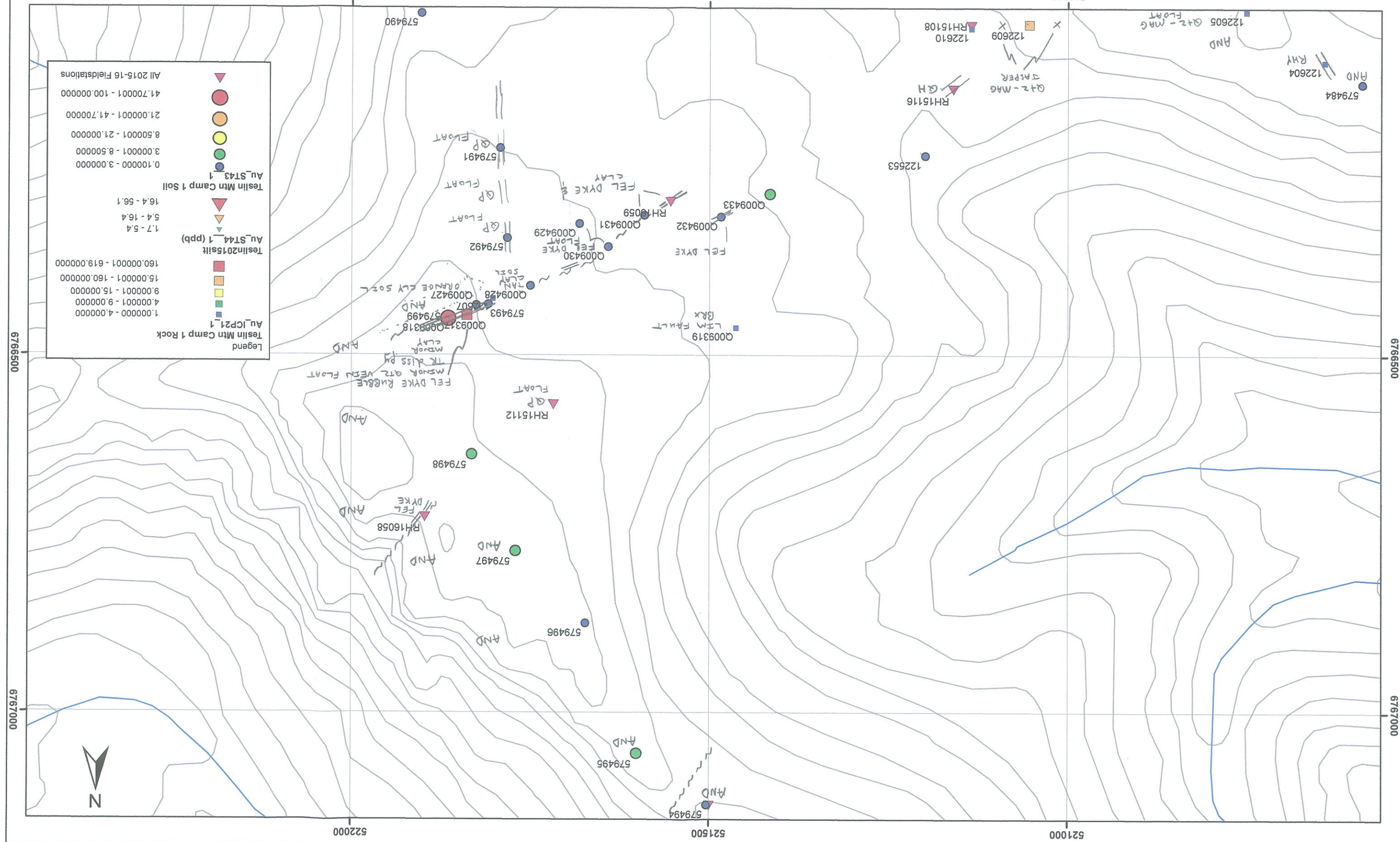
Notes: See Fig.10 for geology legend



Date: Jan. 2, 2017 Drawn by: RWH
 NTS 105E-01, UTM NAD83 Zone 8

Teslin Mountain, Camp 2016-1
 Plateau Area
 Geology & Gold Geochemistry

Figure 7



Legend	Symbol	Value/Range
Teslin Mtn Camp 1 Rock Au_ICP21_1	Blue square	1.000000 - 4.000000
Teslin2015silt	Green square	4.000001 - 9.000000
	Yellow square	9.000001 - 15.000000
	Orange square	15.000001 - 160.000000
	Red square	160.000001 - 619.000000
Teslin2015silt Au_ST44_1 (ppb)	Green triangle	1.7 - 5.4
	Yellow triangle	5.4 - 16.4
	Red triangle	16.4 - 56.1
Teslin Mtn Camp 1 Soil Au_ST43_1	Blue circle	0.100000 - 3.000000
	Green circle	3.000001 - 8.500000
	Yellow circle	8.500001 - 21.000000
	Orange circle	21.000001 - 41.700000
	Red circle	41.700001 - 100.000000
All 2015-16 Fieldstations	Red inverted triangle	



6766500

6766500

6767000

6767000

522000

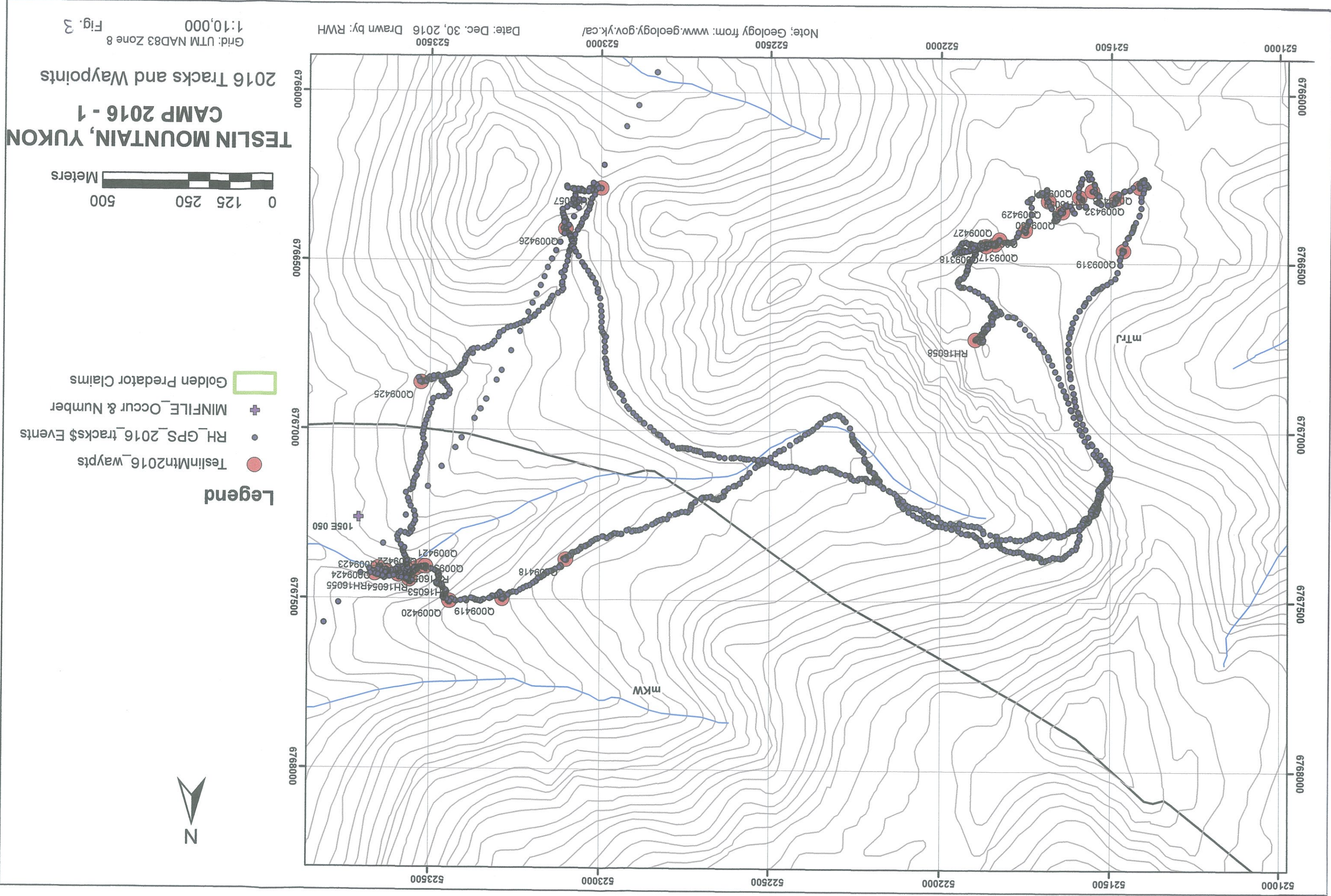
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521000

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521500

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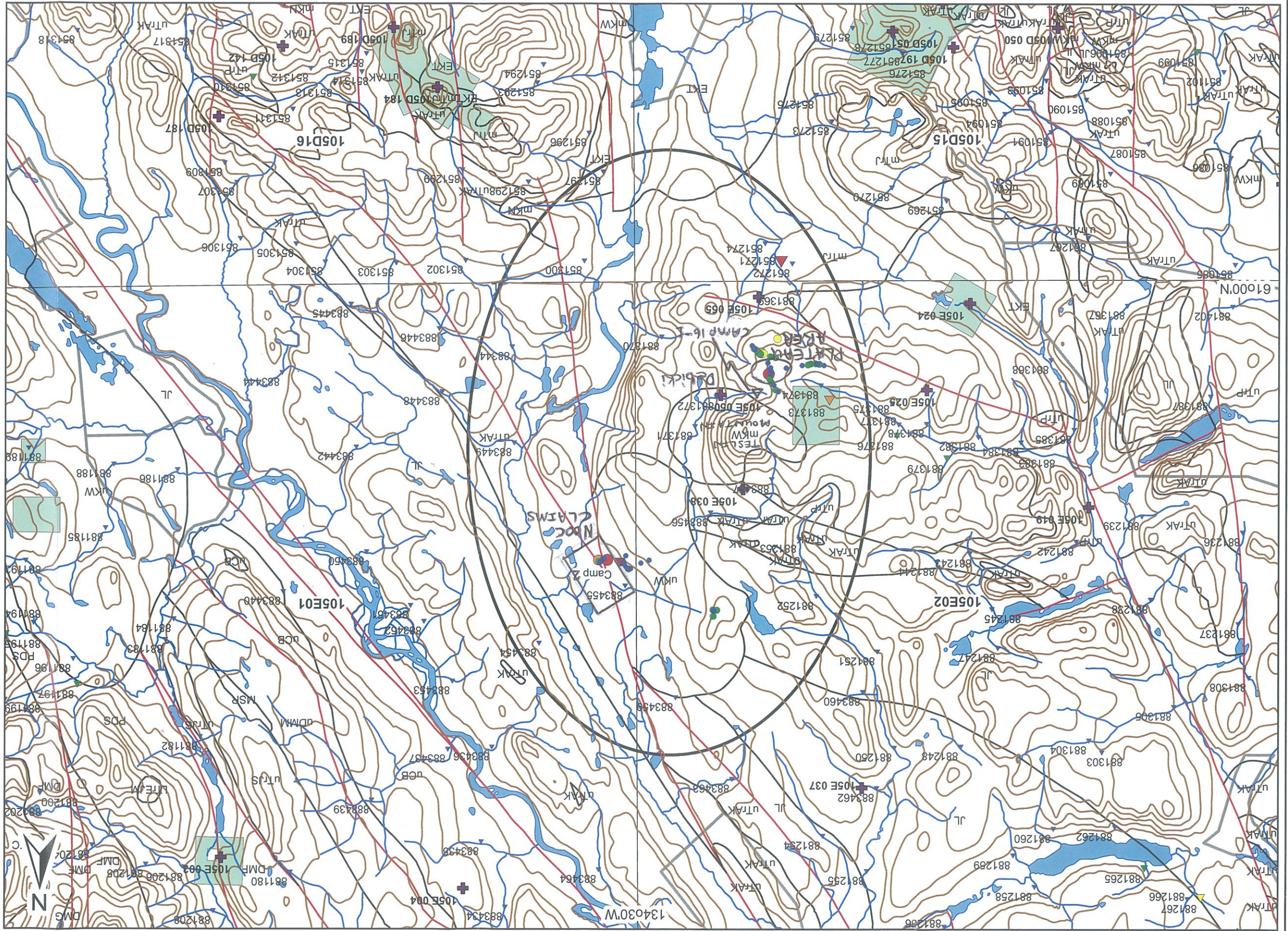


TESLIN MOUNTAIN PROJECT, YUKON

Date: Jan. 5, 2016 Drawn by: RWH

Legend

- ▲ 2015 Camp Site
- + MINFILE Occur & Number
- RGS_2003_105D-N_105E (ppb)
- Au_2003 RGS (ppb)
- Teslin 2015 soil Au_ST43 (ppb)
- 0.4 - 2.9
- 2.9 - 7.4
- 7.4 - 21.0
- 21.0 - 42.8
- 42.8 - 100.0
- Yukon_50kmap_INDEX
- Bedrock_Geology_Contacts
- Faults
- Quartz_Claims_1M
- FN_Settlement_Lands
- Project Area



Regional Geology, Mineral Occurrences, Stream Sediment Geochemistry and Quartz Claims

Note: geology, MINFILE, RGS, Claims and Settlement Lands data from: www.geology.gov.yk.ca/



1:150,000

Geological Legend

Late Cretaceous

uKw Open Creek Formation; dacite flows, tuffs, basalt dykes, sandstone

Early Cretaceous

mKw granodiorite, quartz diorite

EKT granite, granodiorite, quartz monzonite, quartz monzodiorite

Jurassic

JL Laberge Suite; Richthofen Formation; shale, conglomerate, limestone, siltstone, porphyry flows

Upper Triassic

uTrAK Lewes River; Aksala Formation; shale, conglomerate, limestone, siltstone

Middle Triassic

mTrJ Joe Mountain Formation; basalt, andesite, microdiorite flows, diamictite, gabbro, diorite

Lithologies

Igneous Rocks

AND Andesite; green, fine grained volcanic flow and related rocks

FEL Felsic dyke rock, light colored, fine grained; +/- quartz, +/- feldspar phyruc

GRN Granitoid; medium grained

INT Altered igneous rocks of unknown type (Camp 2 - Pond Zone); medium grained, light colored, intermediate - mafic, possibly gabbroic.

QP, QFP, QHP Porphyritic felsic intrusives, dyke; QP: Quartz porphyry; QFP: Quartz-feldspar porphyry; QHP: quartz -hornblende porphyry

RHY Rhyolite, fine grained, may be flow banded

TUF Tuffaceous rocks, Lapilli, dacitic - andesitic

Sedimentary Rocks

CON Conglomerate

LST Tan weathering limestone

SS Tan weathering sandstone

Abbreviations

carb carbonate alteration, calcite, dolomite

cc calcite veining

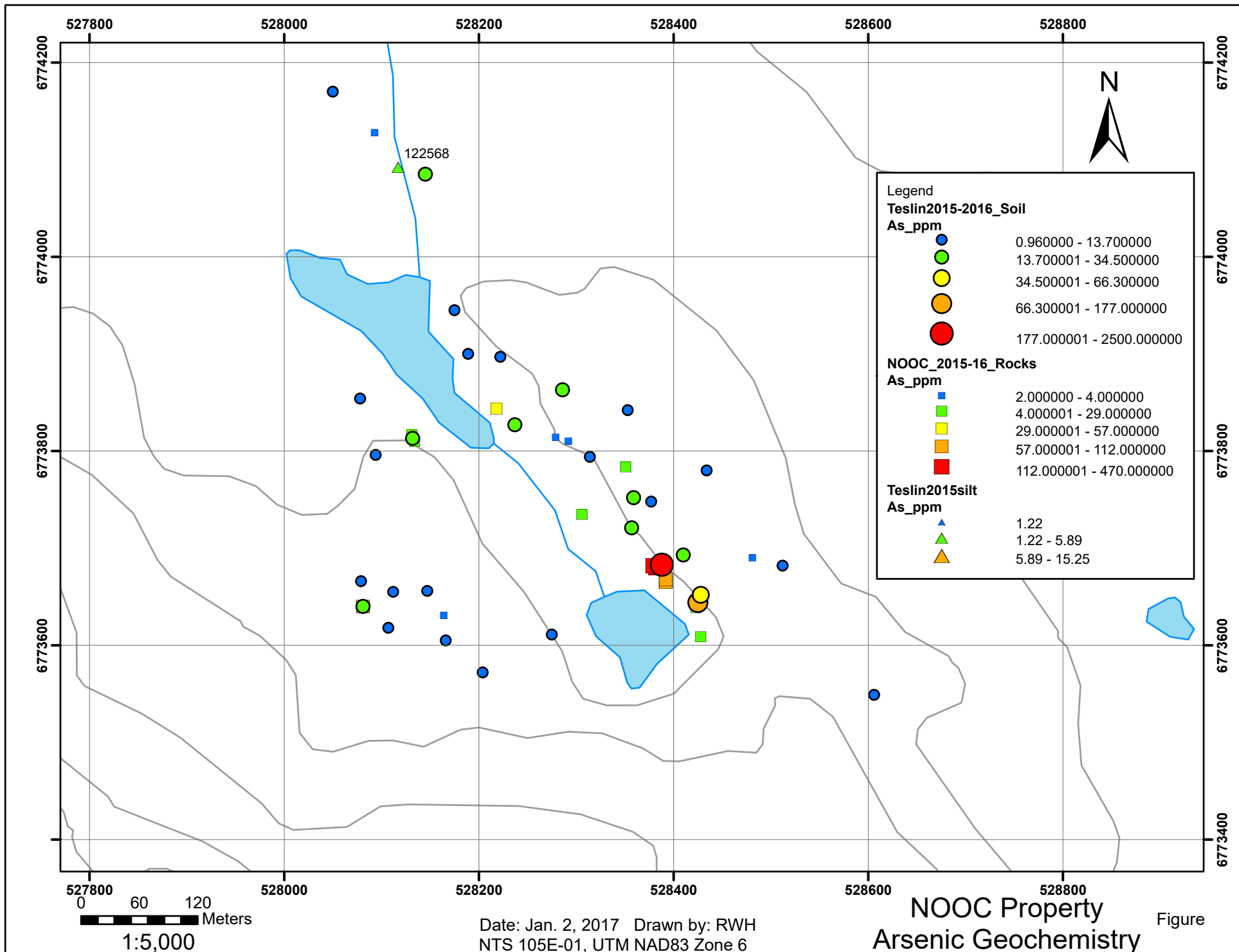
qtz qtz veining

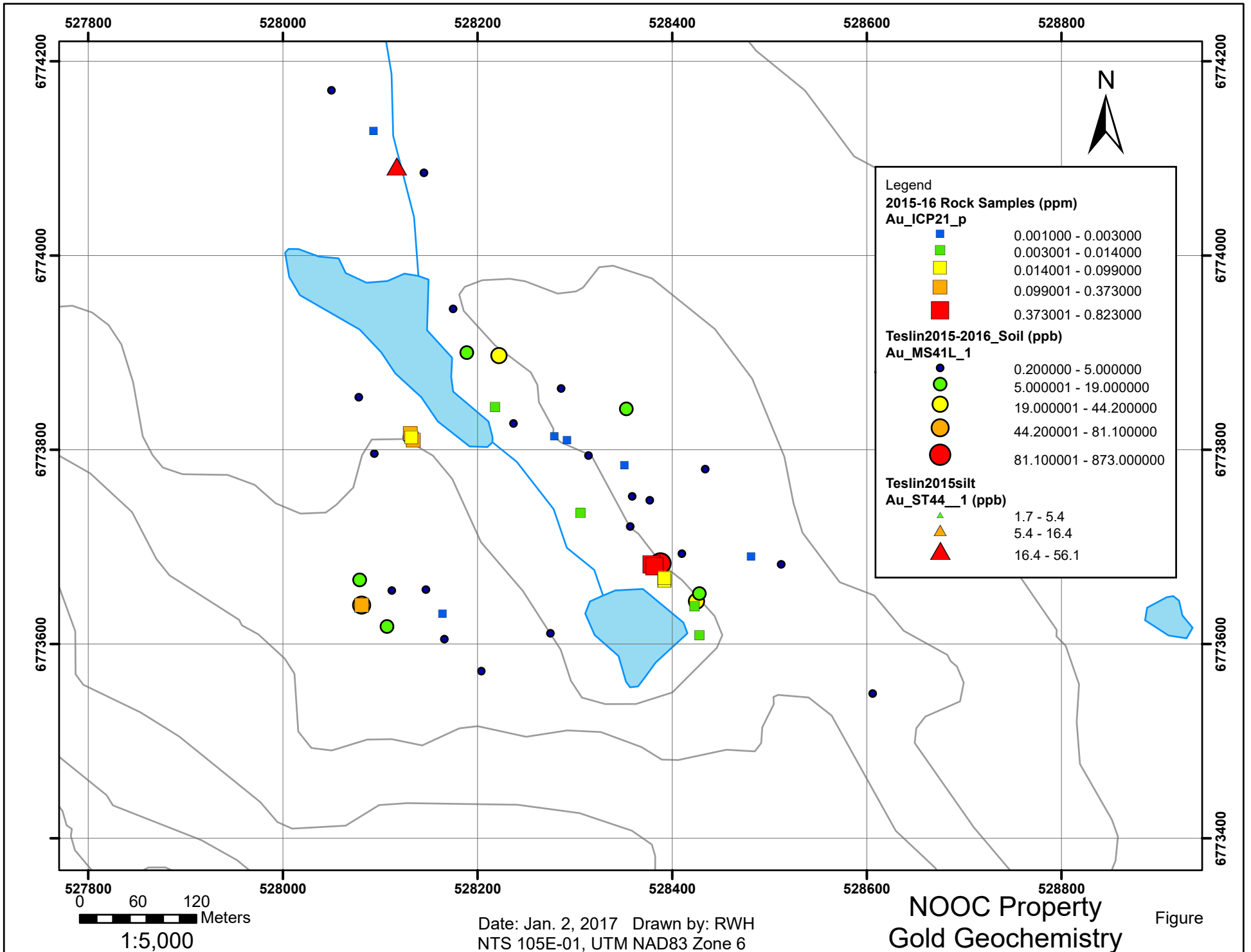
QV quartz veining

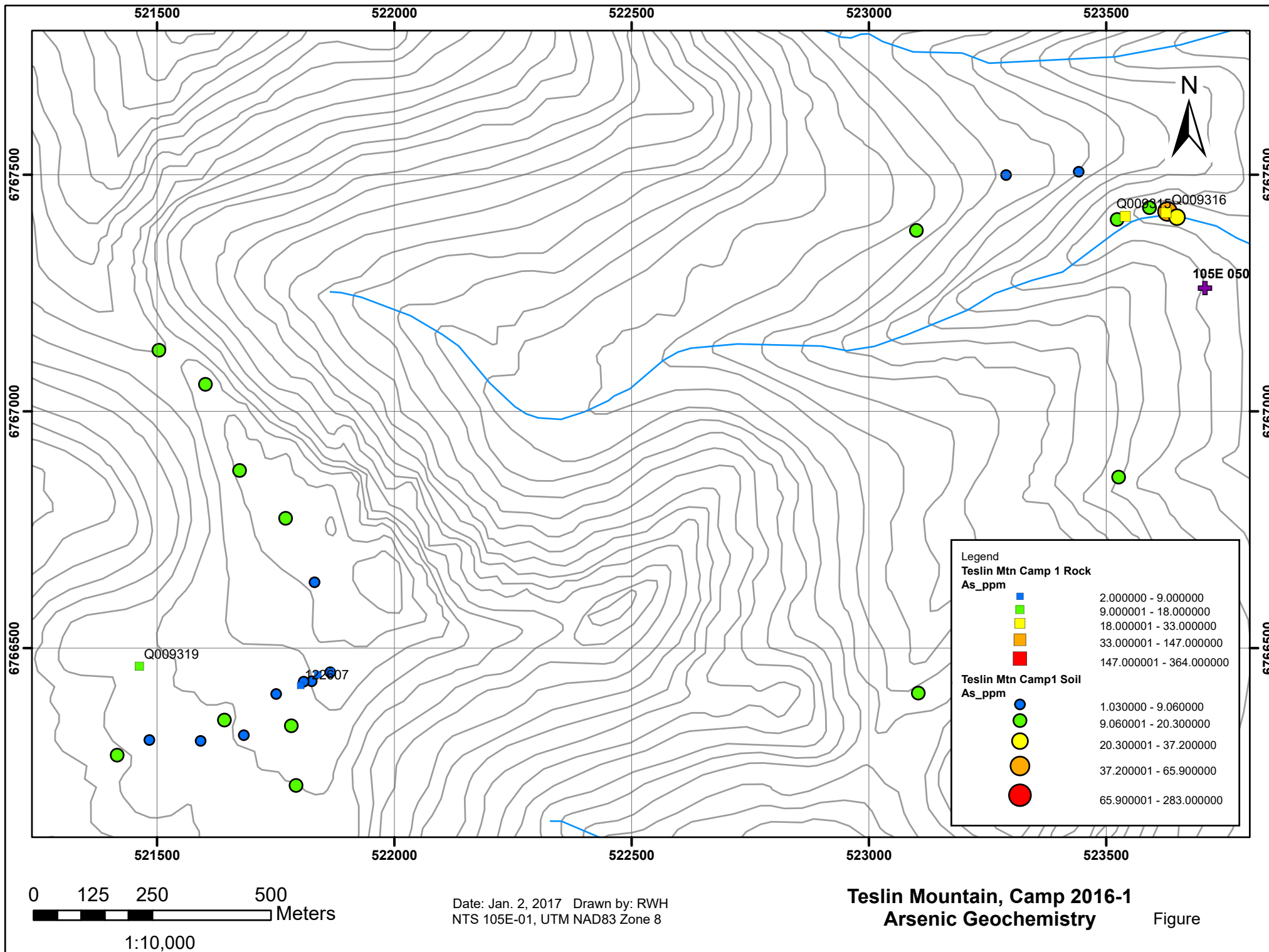
Sil siliceous

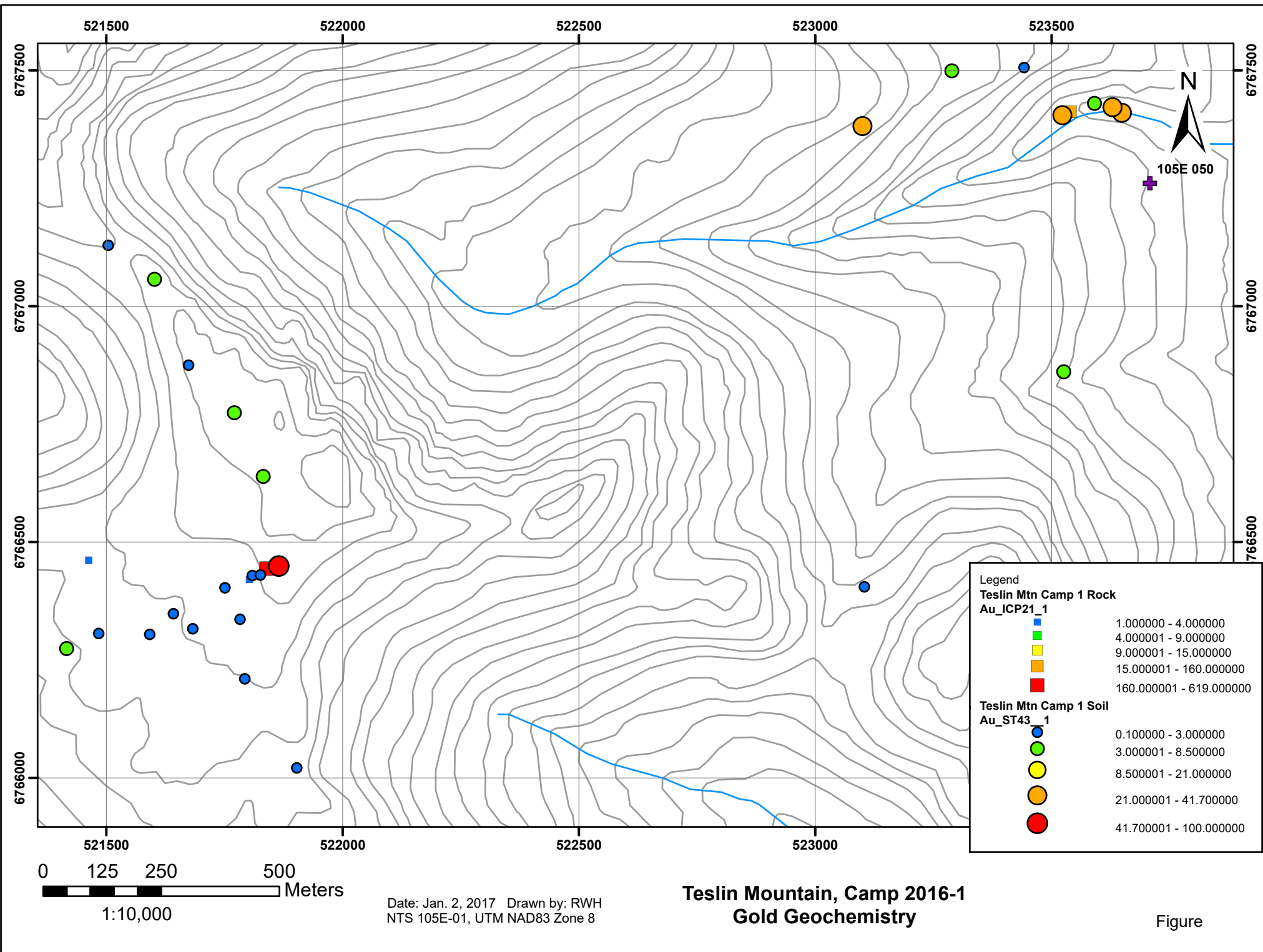
brx brecciated

Figure 14. Geological Legend, Teslin Mountain Project.









Date: Jan. 2, 2017 Drawn by: RWH
NTS 105E-01, UTM NAD83 Zone 8

Figure