

GEOLOGICAL AND GEOCHEMICAL REPORT

**2017 Kelli Claim Group Exploration Program
supported by the
Yukon Mineral Exploration Program
Program Module Target Evaluation 17-021**

**KELLI CLAIM GROUP
Whitehorse Mining Division**

NTS: 115G/12 61°33' N Lat., 139°37' W Long.

Report by: G. Gutrath, Geologist, P.Eng.

Date: January 31, 2018

topographic data that is was very helpful in plotting the geochemical and geological data from the Middle Canyon to beyond the Forks (*Map 2*). In addition, in 2017 Strategic Metals Ltd. provided the writer with their 2017 Application Report for YMEP funding. This report is a detailed compilation of work carried out over the years by Archer Cathro and Associates including the results of their geochemical sampling. In December, 2017 Strategic Metals Ltd. also provided the results of their helicopter supported 2017 geochemical soil sampling program.

A very timely paper on the “Glaciation in the Kluane Range with implications for soil geochemistry in high mountainous terrain” was given at the Yukon Geoscience Forum in Whitehorse, November, 2017 by Kristen Kennedy, Surficial Geologist, Yukon Geological Survey. Ms. Kennedy has kindly provided a copy of her talk to the writer.

Ms. Kathie Jaworski, Mapping and GIS, compiled the 1:1000 map based on the LIDAR survey data and plotted all the GPS waypoints from 2011 to 2017.

OUTLINE OF WORK CARRIED OUT AT THE KELLI CLAIM GROUP IN 2017

1. Between March 21 and March 26, 2017, Fred Erler, Lorne Smith and the writer rented 3 snowmobiles and sleds from Dennis Dickson and other members of the Kluane First Nation at Burwash Landing. The purpose of this program was to take into the Kelli Camp site 15 forty-five gallon barrels donated by the Burwash Airport Authority. The barrels were to be used in the event there were problems (unexpected leaks) when moving a tank containing residual diesel fuel left from the 1980s placer mining operation.

Dennis Dickson had broken the trail into the camp making it very easy for the snowmobiles and sleds, each with 4 barrels, to reach the camp. All the barrels were taken into the camp the first day. The camp was found to be in good condition, not visited by bears or humans.

This project was carried out as part of the YESAB Class 3 Quartz Exploration Application submitted in person to the YESAB Designated Office at Haines Junction on March 22, 2017. This project cost \$5,985 but is not included in the YMEP 2017 costs.

2. On June 9, 2017 the writer walked into the camp site from the Alaska Highway, stayed overnight and walked out the next day. The camp was in good condition. The purpose of the trip was to re-measure the tank to make sure the Layfield liner for the containment area was adequate to hold 115% of the total tank volume.
3. The YESAB Evaluation Report was completed on July 4, 2017. The writer was informed that the next stage would not be completed for another 45 days if there were no problems raised by the Yukon Government, Kluane First Nation or White River First Nation. This would have delayed the planned 2017 exploration program scheduled to start the first week in August. A Class 1 Application was immediately applied for and received on August 1, 2017. The Class 3 Quartz Mining Land Use Approval was received on August 25, 2017.

4. On August 3, 2017 the writer and Fred Erler were in Whitehorse acquiring field supplies, the Layfield containment fuel liner, fuel spill kits and propane. An electric fence kit that was required under the Class 3 YESAB terms had already been purchased. The cost of these items is not part of the YMEP costs.
5. On August 6, 2017 Fred Erler, the writer, Lorne Smith and Glen Smith met at Dennis Dickson's home at Burwash landing. The Argo had already been loaded on the trailer and between four vehicles took the Argo, three ATVs and supplies to the turn-off from Highway 1 to Reed-Kelli Creek. The water was very high in the Shakwak Trench crossing and one bridge had to be replaced. The camp was found in good condition.
6. During the first two days, August 7 to August 9, 2017, Fred Erler, Lorne Smith and Glen Smith constructed the containment berm using the D8 bulldozer combined with a lot of hand shoveling. The tank was moved into place with no problems. During this period the camp septic field was reconstructed and the electric fence was strung around the camp trailer, burn barrel and septic field. The D8 bulldozer was used to clear a two blade width around the trailer for a 'fire break' and protection from wildlife. This work was a commitment under the YESAB Class 3 Permit Application.
7. During this period the writer began the geological mapping and geochemical sampling program starting at the Upper Canyon. Access to this area was much easier once the alders were cut out from the original 1980s road allowing ATV access from the camp to the Forks. This did require building corduroy log ramps in order to cross the 'toe' of the slide. Once the physical work was completed Fred Erler assisted the writer in the mapping and sampling program.
8. On August 26, 2017 Lorne Smith brought the Argo back into camp with fuel and propane for the 2018 planned exploration program. On August 27, 2017 the Argo, with the rock samples and geochemical samples along with all empty fuel containers and burnt cans (YESAB commitment), were taken out to Highway 1. The two ATVs followed the Argo out to Highway 1.

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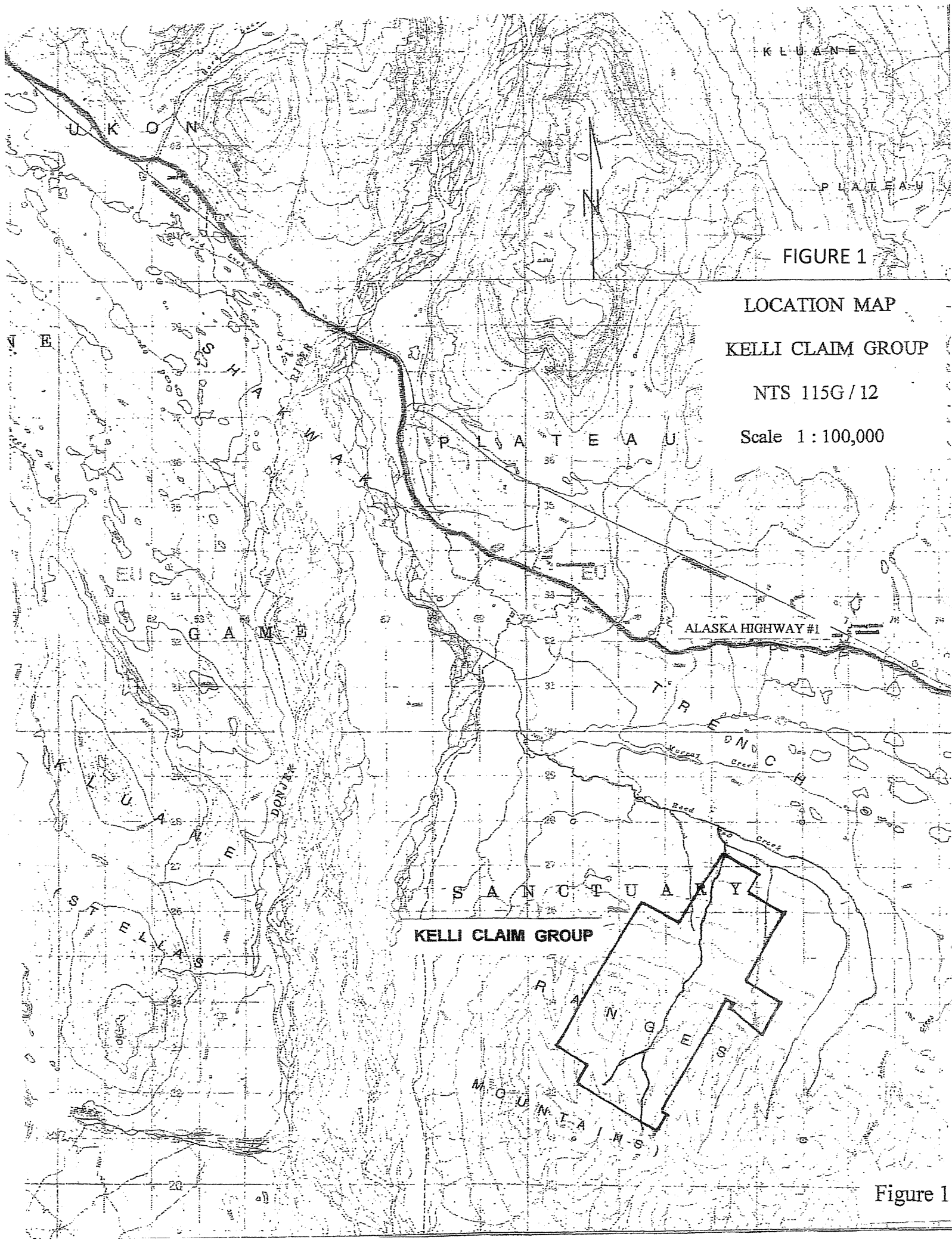
- Map 1 1:1000 Geochemical Soil and Silt Sample Location and Results as well as Outcrop Geology and Surficial Geological Features
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KLONDIKE
PLATEAU

FIGURE 1

LOCATION MAP
KELLI CLAIM GROUP
NTS 115G/12
Scale 1:100,000

KELLI CLAIM GROUP

Figure 1

LOCATION

The Kelli Claim Group is located on the northwest facing slope of the Kluane Range and is within the Kluane Game Sanctuary. The centre of the Kelli Claim Group is approximately UTM Coordinate 682400 N 573000 E, Zone 7, NAD 83 located on NTS Map 115/12. (*Fig. 1*)

CLAIMS

There are 89 contiguous claims (*Fig. 2*) and they are listed under *Appendix E*. The Toots 1 to 12 claims are in good standing until January 28, 2022 and the majority of the claims are in good standing until January 28, 2026 to 2030. During 2017 the complex claim ownership was resolved with transfer of the claims to a Yukon registered company, Kelli-Reed Creek Resources Ltd.

PHYSIOGRAPHY

The Kelli Claim Group is centered on a north-northwesterly flowing tributary of Reed Creek (Reed-Kelli Creek) that joins the westerly flowing Reed Creek proper on the south side of Shakwak Trench. The south boundary of the Kelli Claim Group is at an elevation of 4,500 feet (1,372 m) and the north boundary is at an elevation of 2,600 feet (792 m).

The primary focus of historic mineral exploration and placer gold mining has been within the steep 'V' walled canyon referred to as the Lower, Middle and Upper Canyon that extend over a distance of 1000 m and over an elevation interval of 150 m.

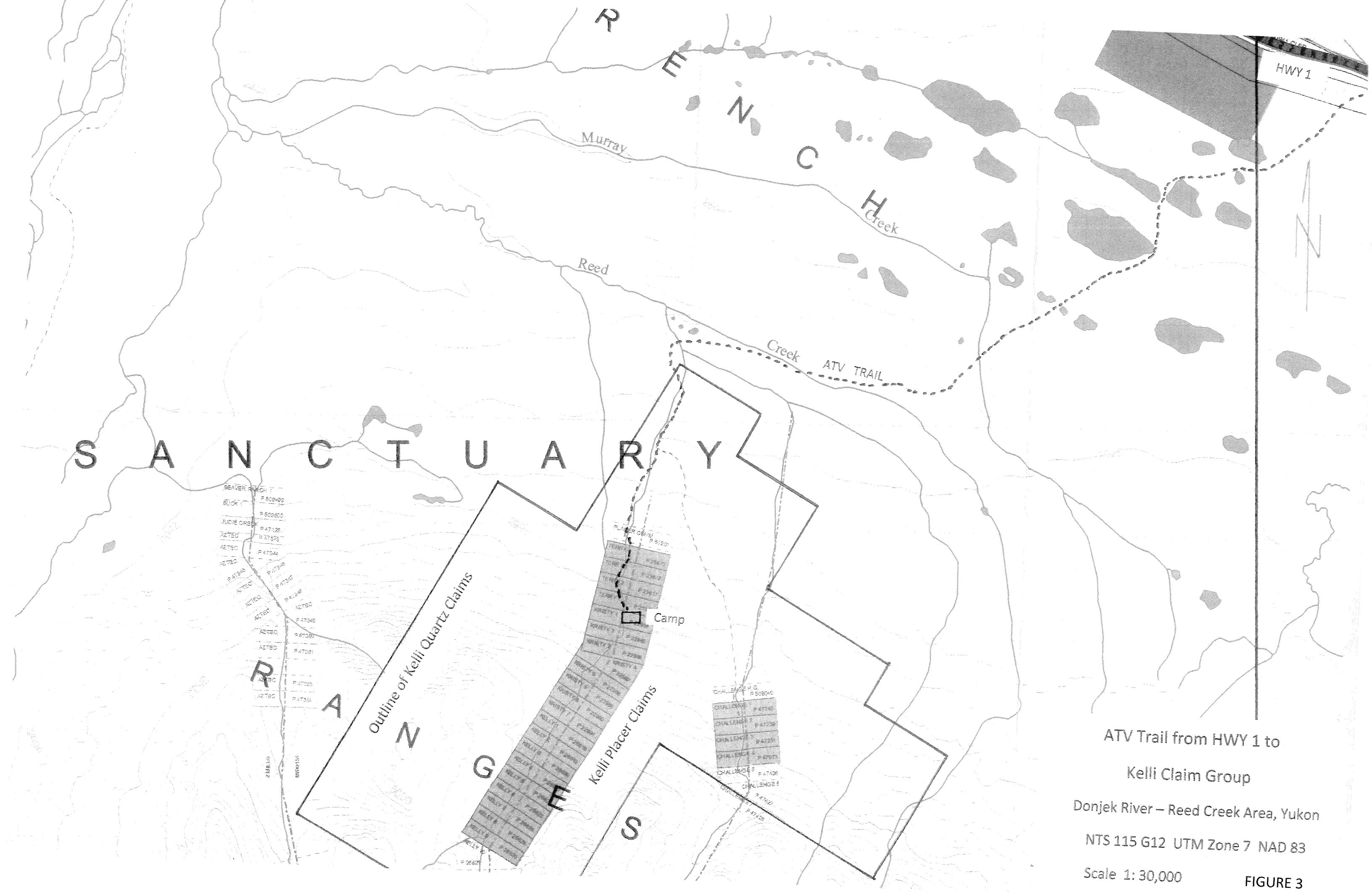
Vegetation is predominantly stunted black spruce in areas of muskeg (permafrost). Tall, large diameter spruce border the thawed outwash channel. The Canyon area of Reed-Kelli Creek to the Forks is bordered by thick alder as well as the adjoining slopes to an elevation of 4,000 feet (1,220 m). At an elevation above 5,000 feet (1,524 m) open grassland and willow predominate representing an alpine environment.

CLIMATE

The Kelli Claim Group is located on the east flank of the St. Elias Mountains and in theory is protected from direct coastal weather. However, weather is funneled from the coast along the low valleys that follow the Denali Fault/Shakwak Trench. As a result, there is considerable yearly variation in summer rainfall. Both the summer of 2011 and starting in July, 2013 the rainfall was abnormally high. In 2014, during the August exploration program weather conditions were ideal. There were only a few rain showers and the creek levels were low.

The range of annual temperature in the Kluane Lake area is -20°C in December, the coldest month to $+13^{\circ}\text{C}$ in July, the warmest month of the year.

The average annual rainfall is 20 cm and snowfall is 18 cm. The Reed-Kelli Creek area is at a higher elevation and will have colder winter weather and greater accumulated snowfall and rain.



ATV Trail from HWY 1 to
 Kelli Claim Group
 Donjek River – Reed Creek Area, Yukon
 NTS 115 G12 UTM Zone 7 NAD 83
 Scale 1: 30,000

The weather during the 2017 exploration period in August was very good with only a few showers.

ACCESS

The turnoff from the Alaska Highway to the winter heavy equipment trail/summer ATV trail is at UTM coordinate 580651 E 6830392 N, 340 km west of Whitehorse or 170 km from Haines Junction. The trail crosses 10 km of the Shakwak Trench through continuous swamp, skirting small lakes and crossing three streams reaching the Reed-Kelli Creek gravel fan at approximately 3 km from the campsite.

Helicopter service is available from Haines Junction with a suitable staging area on the Alaska Highway at Mile 1118. There is a good helicopter pad at the campsite.

Starting in 2014 access from the Alaska Highway to the Kelli Camp has been by an 8 wheel Argo rented from Mr. Dennis Dixon of Burwash Landing. Mr. Lloyd Smith operated the Argo, carrying approximately 300 kilos of supplies and navigating the Shakwak Swamp and the washed out road to the Kelli Camp with no problems. The road from the Reed-Kelli Creek fan to the camp was built in the 1990s and was in good condition in 2011. However, in 2013 the road was 90% destroyed by a flash flood making it very slow and difficult to gain access to the Kelli Camp. On site transportation was provided by three ATVs that followed the Argo into the property.

In 2017 the bridges built in 2015 and the upgraded ATV trail following the outwash fan to the camp were all in good condition. One additional log bridge was built that replaced a bridge built by Darrel Duensing in the early 1980s. The access trail from Highway 1 to the Kelli Camp is shown on *Fig. 3*.

HISTORY

The Reed-Kelli Creek has had a long history of placer gold mining starting in the early 1900s and again in the period 1935 to 1939. The more recent mining was carried out by Dublin Gulch Placers under the onsite direction of Darrel Duensing between 1983 and 1988. Overall production from the creek gravels is very uncertain but is probably in the range of 3,000 to 5,000 oz. of gold.

Larry Tremblay, project manager and claim owner, carried out an extensive trenching program in the Lower and Middle Canyons. In 2004 Mr. Tremblay and associates drilled five BQ holes in the Lower Canyon.

The most important historical review of the Kelli Claim Group property was given in a report by Dr. Jennifer Getsinger in October, 1998. At the time of her property examination both Mr. Larry Tremblay and Mr. Darrel Duensing were available on-site to assist in the property evaluation. Mr. Tremblay was the majority claim owner and project manager. He also had a great deal of experience in the area as he was Chief Park Warden for the Kluane National Park, based in Haines Junction. Both Mr. Tremblay (2007) and Mr. Duensing (2012) have passed away.

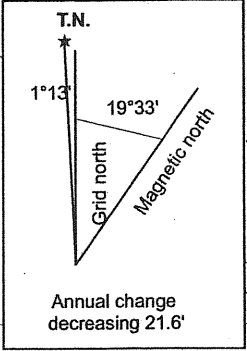
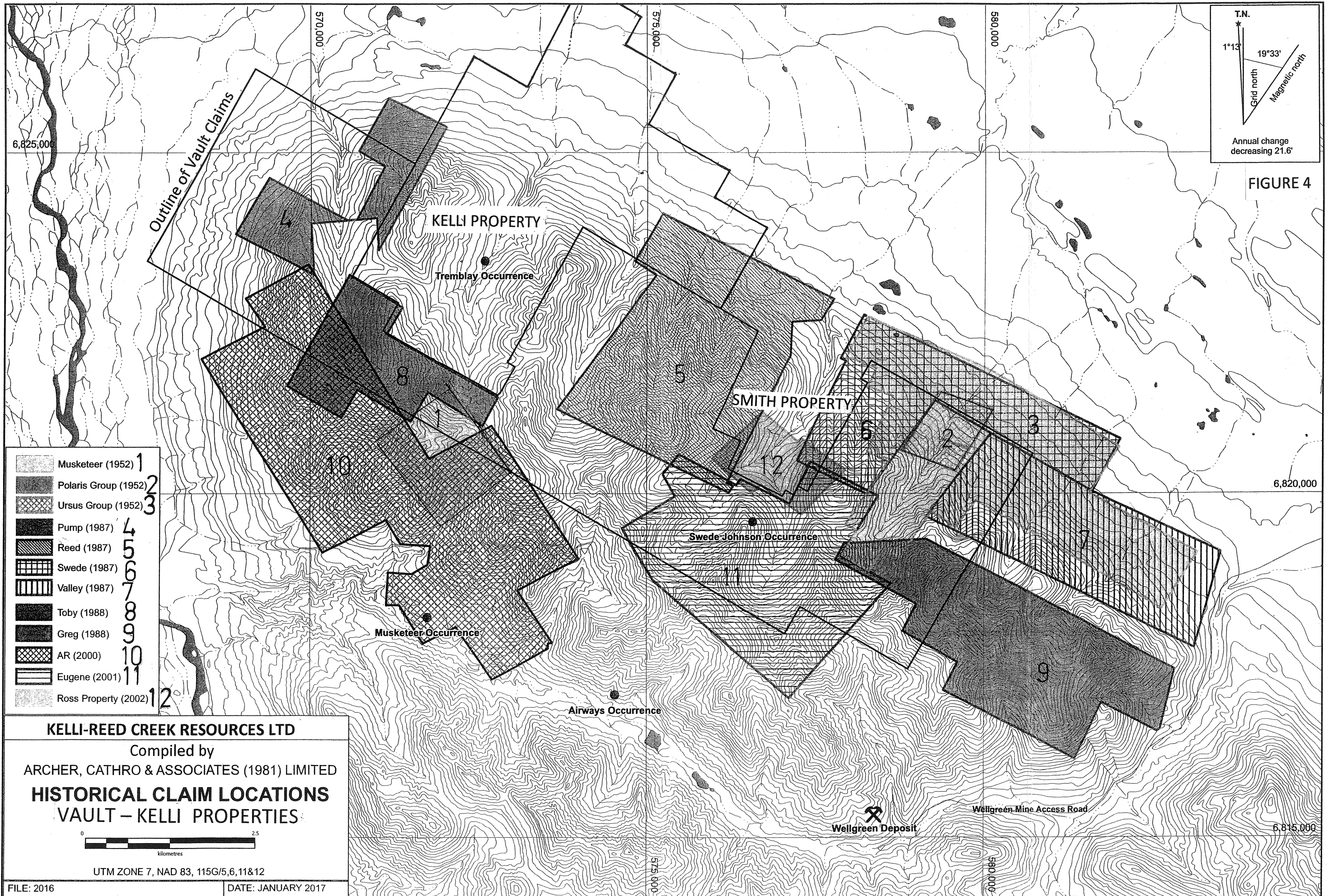


FIGURE 4

- 1 Musketeer (1952)
- 2 Polaris Group (1952)
- 3 Ursus Group (1952)
- 4 Pump (1987)
- 5 Reed (1987)
- 6 Swede (1987)
- 7 Valley (1987)
- 8 Toby (1988)
- 9 Greg (1988)
- 10 AR (2000)
- 11 Eugene (2001)
- 12 Ross Property (2002)

KELLI-REED CREEK RESOURCES LTD
 Compiled by
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
HISTORICAL CLAIM LOCATIONS
VAULT – KELLI PROPERTIES

0 2.5
 kilometres

UTM ZONE 7, NAD 83, 115G/5,6,11&12

FILE: 2016 DATE: JANUARY 2017

Mr. Tremblay's overview of the local history in the area of the Kelli Claim Group was recorded by Dr. Getsinger. He provided detailed information starting in the early 1900s through to the 1980s of the various groups that placer mined on Reed-Kelli Creek. Reference: Gutrath, G. January 16, 2012, *Geological Report Kelli Claim Group*.

In 2004, Mr. Tremblay carried out a diamond drilling program at the start of the Lower Canyon. Five BQ holes were drilled totaling 305 m. This program is reviewed in this report and is summarized in Appendix F, 2004 Diamond Drilling Program.

In 2005, a trenching program using a Cobra drill and dynamite was carried out in the Middle Canyon in the area of the "old timers' workings".

It was reported to the writer that limited placer mining was carried out between the camp and the start of the Lower Canyon in 2004 and possibly 2005 using a backhoe, bulldozer and a sluice plant.

In Strategic Metals Ltd. YMEP Evaluation Exploration Proposal regarding the Vault Property, March 24, 2017, there is an excellent review of the history of the various exploration projects in the area and the outline of related claim groups. The map of the Historical Claim Locations, Vault Property, Figure 4 is included in this report as it is very relevant to the Kelli Claim Group. It demonstrates the large amount of exploration activity in the Kelli – Vault Claim area. The majority of the exploration programs were focused on the nickel-copper-PGM mineralization similar to the Wellgreen deposit with little emphasis on gold mineralization. However, in 1987 the Toby Claims that adjoin the Kelli Claims on the south were soil sampled. A total of 93 soil samples returning 130 ppb gold and 350 ppm arsenic and 125 ppb gold and 1000 ppm arsenic. Seven other samples returned anomalous gold values between 50 ppb and 95 ppb (Makkonen, 1988 and reported by Morton, Strategic Metals Report, 2017).

GLACIATION/SURFICIAL GEOLOGY

Glacial limits, depth of glacial deposits and extent of scouring have a profound effect on the geological mapping and geochemical sampling in the Kelli Claim Group area.

Recent field programs in the Kluane Range by the Yukon Geological Survey are providing valuable information regarding glaciation in the northern Kluane Range with continued work planned in the Kelli Claim Group area in 2018.

The most recent glacial advance was 15,000 to 20,000 years ago. The Shakwak Trench was covered by a large ice sheet moving northwest truncating the north face of the Kluane Range. This event would have had little effect on the north-south incised Reed-Creek Valley, which would have been filled with glacial deposits flowing from the south and dammed by the Shakwak Glacier. The elevation of the glacial limit within the Kelli Claim Group area is in the range of 1350 m to 1450 m (asl). When the Shakwak Glacier receded it allowed Reed-Kelli Creek to resume its normal course eroding through the glacial debris that filled the valley. An additional flow of water may have been added from a small cirque glacier on the north facing height of land between the forks of the creek.



UP: looking south across Forks and glacial bench to south end of the Kelli Claim Group.

DOWN: looking southwest across steep glacial till face at Forks, west fork of Reed-Kelli Creek and glacial deposit bench rising to base of surrounding high ridge



From the Upper Canyon to the Lower Canyon there is extensive continuous outcrop exposed that provides an excellent cross-section of the geology. From the Upper Canyon south to the Forks and beyond the valley has a broad 'V' shape with outcrop largely obscured by glacial material varying from coarse boulder to pebble clay/silt rich till. At the Forks, on both sides of the valley, the creek has exposed steep faced glacial till in the order of 50 m thick. In *Photo 1* the steep glacial till face can be seen at the Forks. The thick glacial deposits continue to the south as a gently rising bench to an elevation of approximately 1450 m which marks the foot of the mountain range to the south.

This section of the Reed-Kelli Creek valley from the Upper Canyon to the Forks has very little rock exposure. There is none in the valley bottom but there are scattered small rock outcrops in the stream channels flowing into the valley on both its east and west sides (*Map 2*).

REGIONAL GEOLOGY

The Kelli Claim Group is located on the north flank of the Kluane Range that is composed of Late Paleozoic to Middle Mesozoic rocks of the Wrangellia Terrane and portions of the Alexandria Terrane. Late Mesozoic-Cenozoic strike-slip faulting offset this terrane by as much as 400 km. This event is referred to as the Denali Fault and is represented in the Kelli-Quill Creek area by the Shakwak Trench. The Kelli-Vault Claim areas as shown in *Figure 2* is underlain by Wrangellian Terrane and contains much of the Late Paleozoic to Upper Triassic stratigraphy (abridged description after Israel, S. and van Zeyl, D. 2004).

PROPERTY GEOLOGY

General

The general geology of the Kelli Claim Group area, as reported by Israel, S. and van Zeyl, D. 2004 is shown on Map 1 Fig 3, 1:40,000 and is outlined as follows:

The oldest formation is of Paleozoic Age and is predominantly the Skolai/Station Creek formation (CPS5) that underlies the northern two-thirds of the property. The lower section of this assemblage is andesite volcanics that grade upwards to argillaceous limestone with discontinuous beds of conglomerate, greywacke and sandstone. The southern third of the property is underlain by Skolai/Hansen Creek formation that forms a thrust fault contact with the northern Station Creek formation. The Hansen Creek sedimentary formation grades upwards from limestone, conglomerate, greywacke to sandstone. Another major regional northwesterly thrust fault has been traced across the southern edge of the claim group. These thrust faults represent a complex assemblage of both faulting and folding that are related to the Denali Fault system.

To the west of Reed-Kelli Creek is a prominent ridge that is shown as being underlain by Mesozoic Nikolai basal conglomerates. It is bounded to the north by the northwesterly trending thrust fault contact.

To the east of Reed-Kelli Creek on the border of the Kelli Claim Group with the Vault Claim is a very visible white landmark ridge that has been mapped as Skolai/Hansen Creek carbonate-limestone (CPH2).

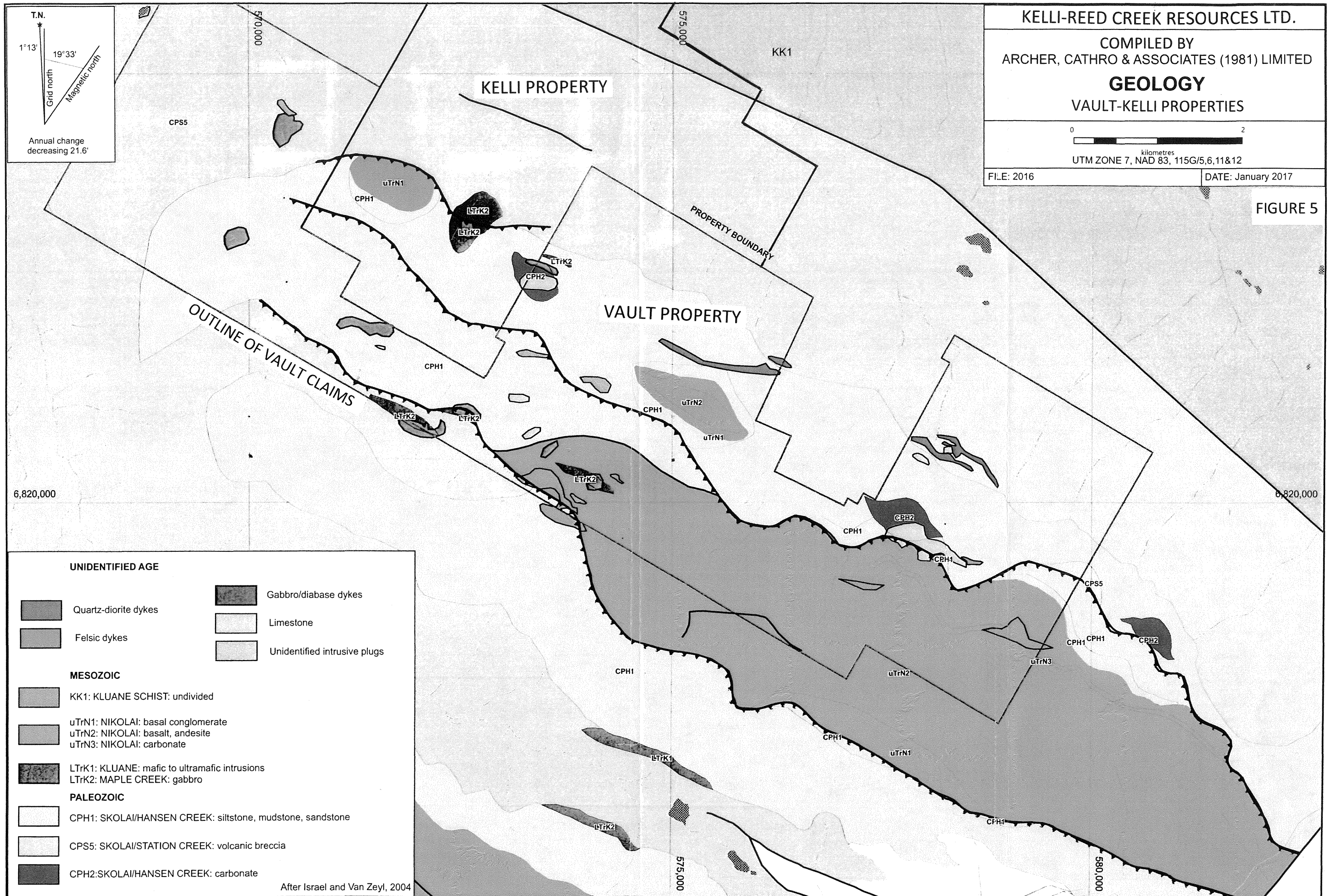
GEOLOGY
VAULT-KELLI PROPERTIES

0 2
kilometres
UTM ZONE 7, NAD 83, 115G/5,6,11&12






FILE: 2016

DATE: January 2017







FIGURE 5






UNIDENTIFIED AGE

- | | |
|--|--|
|  Quartz-diorite dykes |  Gabbro/diabase dykes |
|  Felsic dykes |  Limestone |
| |  Unidentified intrusive plugs |

MESOZOIC

-  KK1: KLUANE SCHIST: undivided
-  uTrN1: NIKOLAI: basal conglomerate
-  uTrN2: NIKOLAI: basalt, andesite
-  uTrN3: NIKOLAI: carbonate
-  LTrK1: KLUANE: mafic to ultramafic intrusions
-  LTrK2: MAPLE CREEK: gabbro

PALEOZOIC

-  CPH1: SKOLAI/HANSEN CREEK: siltstone, mudstone, sandstone
-  CPS5: SKOLAI/STATION CREEK: volcanic breccia
-  CPH2: SKOLAI/HANSEN CREEK: carbonate

After Israel and Van Zeyl, 2004

An elliptical shaped body of Mesozoic Age Maple Creek (LTrK2) gabbro is shown starting at the Forks and extending northward for 800 m and over a width of 500 m. It is centered on Reed-Kelli Creek and is transected by the Station Creek – Hansen Creek thrust fault contact.

2017 Exploration Mapping Program

The exploration programs carried out on the Kelli Claim Group from 2014 to 2016 were primarily focused on the Lower to Upper Canyon of Reed-Kelli Creek. Geological mapping outlined outcrop distribution and detail mapping was carried out on a scale of 1:1000 and when deemed necessary 1:500. Extensive rock sampling was carried out in an attempt to find the source of gold that produced the high grade placer deposit in Reed-Kelli Creek.

The geological mapping in 2017 was combined with the geochemical soil and silt sampling between the Upper Canyon and the Forks and on both sides of the Reed-Kelli Creek valley. Bedrock exposures are limited to the creek channels that have cut through the glacial till exposing rock formations over a short distance. The mapped area is uniformly covered by muskeg and thick alder with scattered stands of stunted black spruce.

The interpretation of the geology was aided by field work by T. Bremner, 1991, J. Getsinger, 1998, J. Pautler, 2001, S. Israel and D. van Zeyl Yukon Geological Survey, 2004 and J. Morton, Strategic Metals Ltd., 2017.

Intrusive Rocks

The layered rocks are intruded by dikes and sills of Oligocene to Miocene age (date of 23 Ma, ref. Bremner, 1991). Both Getsinger and Bremner agree that this intrusive is a feldspar hornblende porphyry. The writer mapped the intrusives as two separate rock types.

- dd** light orange weathering dacite dike, fine grained to aphanitic with an absence of porphyritic texture. In the fresh, fine grained dacite crystalline hornblende “blades” make up 1% to 2% of the ground mass (this intrusive unit was not found in the 2017 map area between the Upper Canyon and the Forks)
- fp/di** grey to light cream-orange colour with subhedral medium grained feldspar phenocrysts in an aphanitic to fine grained feldspar rich ground mass, less than 1% fine grained pyrite and very little magnetite / **di** fine to medium grained grey diorite and occurs as dikes intruding all rock types in the Kelli Claim Group.

These intrusive occur as dikes in numerous locations throughout the Kelli Claim Group as well as the area map2017)

- ga** (LTrK2: Maple Creek gabbro after Israel, S. and van Zeyl, D. 2004)
dark grey-brown, massive to moderately foliated, fine grained pyroxene 30% to 40% in a fine grained plagioclase groundmass. Fine grained disseminated pyrite 2% to 4%, fine to medium grained pyrrhotite in one outcrop area. No magnetite. (This rock type was originally mapped as andesite)

Stratigraphy (2017 Map Area 1)

- gs** dark brown andesite often foliated to a chloritic schist with fine pyrite 1% to 5% in thin discontinuous quartz veinlets. Magnetite very low to nil.

- pc** light grey to black (carbonaceous) commonly finely bedded, complex folded phyllitic carbonate limestone (Upper Canyon – south end of 2017 map area).

- bgpl** black graphitic phyllitic, argillaceous-calcareous, thin discontinuous quartz veining paralleling schistosity-fine grained disseminated pyrite 2% - 5%. (Typical location is at the outlet of the Lower Canyon but small outcrops were noted in two creek channels at the base of the slope of the east side of the valley.)

The very limited amount of outcrop in the 2017 map area makes it difficult to interpret the geology.

Structure

The Kelli Claim Group general geology summarized from the mapping by S. Israel and D. van Zeyl, 2004 and plotted on a 1:40000 scale map (*Figure 5*) is difficult to reconcile with mapping on a scale of 1:1000 by the writer. The major Structure 2 that is outlined by a distinct topographic feature crosses Reed-Kelli Creek valley at the south end of the Upper Canyon. There is extensive outcrop in this area of highly foliated phyllitic carbonate that forms classic “mullion structure” (J. Getsinger, 1998). Dr. Getsinger interprets these structures as representing a hinge zone of regional extent and notes that Structure 2 is a “tectonic slide displacement uplift of the Kluane Range”. This interpretation may very well fall within the thrust fault noted by Israel. However, the thrust fault on Israel’s map is located about midway from the Upper Canyon to the Forks. There is little or no topographic feature crossing the valley that marks this thrust fault although it may be more obvious on ridges to the east and west of the valley where there is a great deal more rock exposure. The thrust fault is also shown transecting an intrusive gabbro ‘plug’ in the valley bottom.

There is no gabbro at the south end of the Upper Canyon. It may very well be that there are three major northwest-southeast trending thrust faults crossing the 2017 map area.

Mineralization

Fine grained pyrite is commonly associated with the thin discontinuous quartz veins that occupy fracture filling in all rock types including the gabbro. Pyrite from 1% to 5% is also found disseminated in the chlorite schist. Very small amounts of chalcopyrite are sometimes associated with the pyrite but judging from the analytical results is a minor magnetite content. The gabbro ‘plug’ outlined by S. Israel in the centre of the 2017 map area has a large surface expression of 800 m by 400 m but is not outlined as a magnetic high or low by the 2015 airborne magnetic survey conducted by the Yukon Government and the Kluane First Nation.

Magnetite is very rarely noted even in the gabbro, a basic intrusive that would normally have significant magnetite content. The gabbro ‘plug’ outlined by S. Israel in the centre of the 2017 map area has a large surface expression of 800 m by 400 m but is not outlined as a magnetic high or low by the 2015 airborne magnetic survey conducted by the Yukon Government and the Kluane First Nation.

At WP243 (572741 E 6823171 N) approximately one-half the way up Pup 10 there is a large outcrop area of chlorite schist with up to 5% subparallel quartz veinlets with 2% to 4% fine grained disseminated pyrite. At WP 244 on the south wall of this large outcrop the chlorite schist has graded into a gabbro with bronze coloured, highly magnetic pyrrhotite disseminated in the groundmass. Only eight rock samples were taken in 2017 primarily from outcrops with high pyrite content associated with irregular quartz veining and shearing. These will be reviewed under rock analytical results. However, the analysis of Sample 1903 indicates gold and arsenic are anomalous (although very low values) compared with the rest of the samples. It was thought that nickel values may have been associated with the pyrrhotite but nickel was only 7.1 ppm.

Rock Analysis

There were eight rock samples collected in 2017. The analysis was done by Bureau Veritas Commodities Canada Ltd. The sample preparation was done in Whitehorse and the analysis at their laboratory in Vancouver. The samples were crushed, split pulverized 250 g to 200 mesh. The Certificate of Analysis is under *Appendix C*.

| Sample # | Waypoint # | Discussion |
|----------|------------|--|
| 1901 | 228 | Quartz rich (silicified) pyrite 5% - 10%. Oxidized, angular float in creek. Cu 31 ppm Fe 1.8% As 8.8 ppm Au 0.5 ppb |
| 1902 | 231 | Siliceous, oxidized pyritic 2% - 5% quartz veinlets Cu 4.8 ppm Fe 1.2% As 1.8 ppm Au <0.5 ppb |
| 1903 | 243 | Massive outcrop, fine grained gabbro(?) disseminated (coarse patches) of bronze coloured pyrrhotite, >1% pyrite Cu 144.8 ppm Fe 1.99% As 38.9 ppm Au 105.5 ppb This sample is anomalous in copper, arsenic and gold when compared with the other samples. However, the values are very low compared with samples from the Middle and Lower Canyon. |
| 1904 | 245 | Massive outcrop, dark brown, fine grained quartz veinlets 10%, pyrite 5%, soil sample at base of outcrop area 216 ppb Au. Cu 128 ppm Fe 2.04% As 2.2 ppm Au 3.2 ppb |
| 1905 | 262 | Massive, blocky, boulders of gabbro with numerous oxidized fracture planes Cu 140 ppm Fe 1% - 65% As 1.6 ppm Au 3.3 ppb |

| Sample # | Waypoint # | Discussion |
|----------|------------|---|
| 1906 | 265 | Float, silicified, oxidized, fine pyrite in quartz veinlets from diorite intrusive contact zone (?) Mo <u>26.6 ppm</u> Cu 79 ppm Fe 3.28% As 0 – 7 ppm, Au 1.6 ppb Molybdenum is anomalous compared with the other samples that range from 0.3 ppm to a high of 5.5 ppm. Regardless, values are very low. |
| 1907 | 267 | Massive andesite (gabbro?), quartz vein fracture filling with 2% - 5% pyrite with up to 10% pyritic groundmass Cu 14.1 ppm Fe 2.83% As 2.4 ppm Au 0.8 ppb |
| 1908 | 284 | Large angular andesite(?) boulder, sample is from a fracture filled with fine oxidized material. Cu 6.5 ppm Fe 2.87% As 70.5 ppm Au 86.7 ppb This is the second highest gold value with no relationship to copper or arsenic |

GEOCHEMICAL SAMPLING

The soil and silt sampling in the 2017 Map 1 area is between the Upper Canyon to the Forks (*Fig. 5*) and on both the east and west sides of the valley extending upslope to an approximate elevation of 1,300 m. Numerous small stream channels flow into Reed-Kelli Creek on both sides of the valley. Only a few of these streams erode through the glacial material to bedrock. The entire area is covered by muskeg with thick alder cover. The summer thaw barely reaches the underlying volcanic ash layer immediately below the thick moss (muskeg) cover. As a result, utilizing a hand auger to collect soils is of no value in this area.

Soils are usually taken along the margins of outcrop areas where a colluvial concentration of gold may indicate the potential of bedrock gold mineralization. Soils were also collected on the stream margins where there is soil developed. However, this is usually a concentration of fine material derived from the overlying glacial materials and will seldom represent bedrock.

Silt samples were collected from the stream channels with the majority being dry in August, 2017. The channels also contain a lot of boulder cobble gravel and angular rock. However, by digging around this surface rubble a silt sample can usually be found and the sample is normally damp. All the samples contain 10% to 15% volcanic ash diluting the value of the sample. The samples are collected by a stainless steel trowel and placed in a Kraft bag.

The samples were delivered to the Bureau Veritas preparation facility in Whitehorse with analysis being done in Vancouver.

There were 43 soil samples and 36 silt samples collected.

The samples are dried, 100 grams sieved to -80 mesh. The Procedure Code is AQ115 utilizing 15 grams of -80 mesh with acid digestion. Au analysis is by ICP-MS. This procedure is the same for soil and silt samples.

The Certificates of Analysis are under *Appendix D*.

Both soil and silt sample locations and values are shown on Map 2 ,1:1000. Waypoints are shown from 2011 to 2017 and soil and silt samples are from 2015, 2016 and 2017. All the samples have the ppm gold values beside the graphic symbol for soil or silt samples.

Gold values from 50 ppb to 100 ppb are considered threshold anomalous, 100 ppb to 200 ppb anomalous, and plus 200 ppb strongly anomalous.

To assist in locating sample sites the stream channels have been designated as Pups (placer term) and numbered from the north to the south for a total of 20 Pups (stream channels).

A pattern of gold anomalous silt and soil values extend from Pup 13 in the south to Pup 2 in the north, a distanced of 700 m and over a horizontal distance of 200 m. Because the sampling is so broadly and unevenly distributed as a result of the variable sample sites controlled by stream channels this interpretation is subject to question. The most significant cluster of anomalous gold values are found in the lower reaches of Pup 4, 5 and 6. These soil samples from Pup 4 were 139 ppb, 261 ppb and 1,125 ppb gold. Eight soil and silt samples from Pup 5 have values of 119 ppb gold (the lowest) to seven samples ranging from 144 ppb to 746 ppb gold. Pup 6 has six silt samples from a low of 63 ppb to 148 ppb to 1,610 ppb gold. Pup 5 and 6 are only 20 m apart. The east-west dimension of anomalous samples is in the order of 140 m.

Pup 7 on the west side of Reed-Kelli Creek has a small cluster of three anomalous soil samples just to the north of Pup 7 ranging from 122 ppb, 125 ppb to 390 ppb gold. Pup 7 has three soil samples, 85 ppb, 107 ppb and 110 ppb gold. Pup 7 and Pup 6 may possibly be the topographic trace of the thrust fault shown on Map File 2016 (after S. Israel and D. van Zeyl, 2004).

Pup 13 on the east side of Reed-Kelli Creek wraps around the south end of the only large outcrop area in the valley bottom tentatively identified as a gabbro. Two silt samples from this Pup close to the valley bottom have values of 119 ppb and 582 ppb gold. One soil sample upstream of these silt samples and 30 m south (WP271) had a value of 121 ppb gold. This sample is taken from the base of a slide with numerous large quartz vein fragments.

Pups 14, 15, 16, 17 and 18 had wide spaced silt sampling and none of the samples were anomalous. At the Forks silt samples were taken from Pup 19 that cuts through the steep glacial till banks. The results were not gold anomalous. At WP313, 20 m to the south of Pup 19, a soil sample was taken at the base of the steep +40° till face. This was done to see if there was any gold distributed in the till that would be concentrated at the base of the slope. The sample was not anomalous. In 2015 pan samples were taken from a gravel-boulder layer in the cliff face to see if any gold had been concentrated by the natural boulder 'riffle' trap. There was no placer gold in these samples.

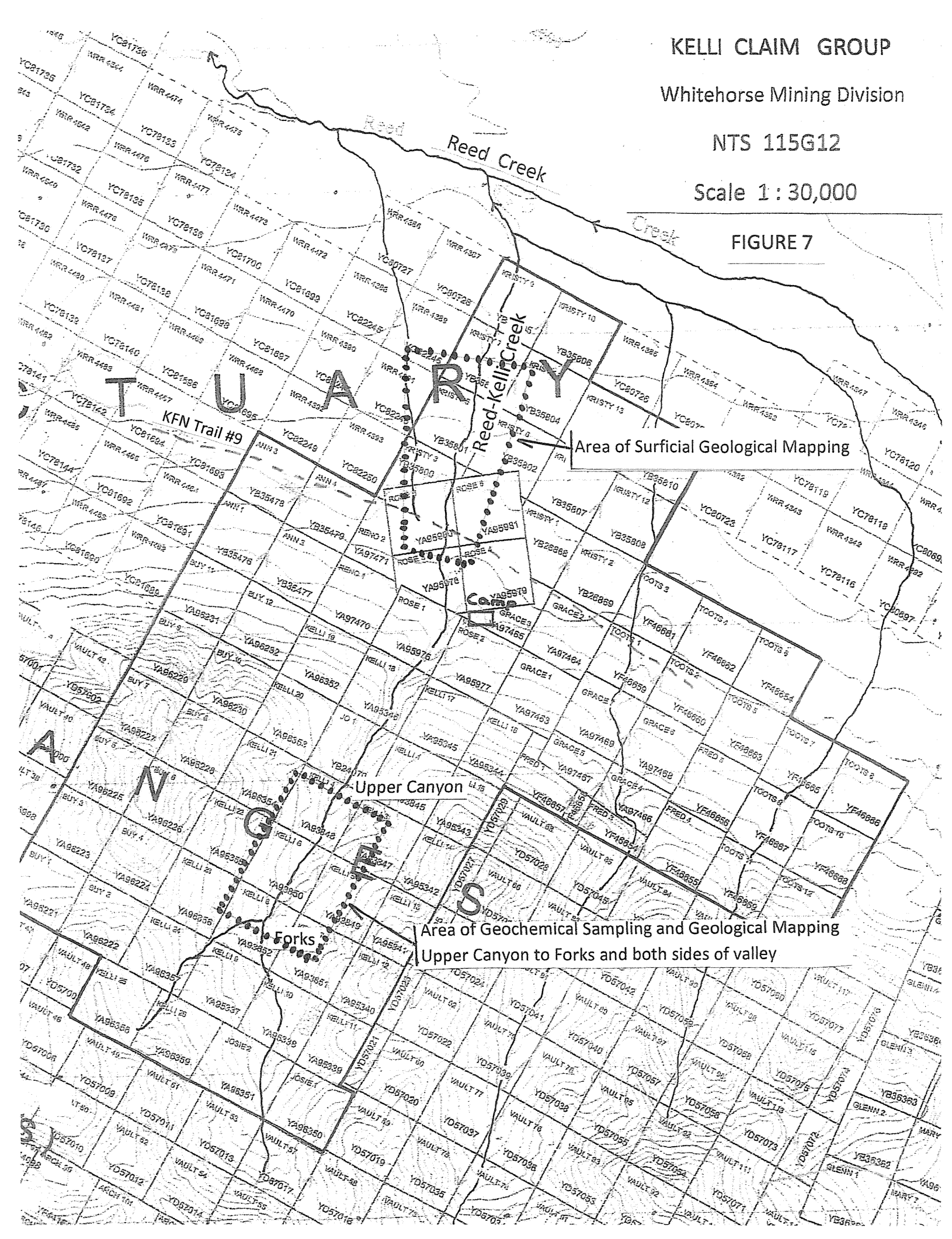
KELLI CLAIM GROUP

Whitehorse Mining Division

NTS 115G12

Scale 1:30,000

FIGURE 7



Area of Surficial Geological Mapping

Upper Canyon
Area of Geochemical Sampling and Geological Mapping
Upper Canyon to Forks and both sides of valley

STRATEGIC METALS LTD. – VAULT CLAIMS GEOCHEMICAL SOIL SAMPLING

Strategic Metals Ltd. has provided Kelli-Reed Creek Resources Ltd. with the geochemical results from their 2017 helicopter supported soil sampling program. The results are graphically shown on *Fig. 6*. All of the samples were collected above the highest limit of glaciations in the claim area. The sample results shown on the map are all anomalous, plus 100 ppb gold. There are many samples highly anomalous into the plus 1,000 ppb gold range. Some of the earlier gold anomalous, plus 100 ppb silt samples are also located on the map within the Vault Claim Group.

SURFICIAL GEOLOGICAL MAPPING

The purpose of this mapping was to comply with YESAB Class 3 Permit. The Proponent has committed to the following:

- 1) No exploration is planned anywhere near Kluane First Nation Heritage Trail #9 (YOR 2017-0080-008-1)

This has been a commitment by the Proponent since the introduction of YESAB Permitting and was a condition requested by Kluane First Nation ('KFN') under the first Class 1 Permit issued in 2016.

The Haines Junction YESAB Designated Office Evaluation Report Project Number 2017-0080, Page 10, Figure 1 shows the location of the KFN Historic Trail #9 (the 'Trail') on an aerial photograph. From this document the writer transposed the Trail onto the 1:20,000 Kelli Claim Group topographical map. It was determined that the Trail would cross Reed-Kelli Creek at approximately 6825600 N. This location was flagged on the access trail to the camp. The approximate location of the Trail is shown on *Fig. 7* as well as the outline of surficial mapping. The Trail was not located but within the stream channel-outwash fan area there have been numerous flash floods over the past years with the most recent in 2013 that destroyed the 1980s road to the camp and would also have destroyed Historic Trail #9.

The other objective of the surficial mapping was to locate where Reed-Kelli Creek flows underground and where it resurfaces. The creek flows underground at WP 343 (573643 E 6825878 N El 874 m) on the edge of the west bank composed of coarse boulder-cobble gravels. At WP 367 (573912 E 6826684 N El 824 m) the Trail forks to Bill Allens camp to the east and north to the Shakwak Trench and Hwy. 1. This is the start of standing water-swamp environment and continues to 573830 E 6827020 N where the swamp drains into a 2.5 m deep by 1.5 m wide stream channel. The stream continues to the north and is a mature deep channel undisturbed by flash floods.

The distance that Reed-Kelli Creek flows underground is 1.2 km and demonstrates that there are no fish migrating from Reed Creek to the upper reaches of Reed-Kelli Creek where the camp is located and the site of the placer mining in the 1980s.

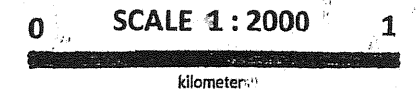
A total of 1.5 days were spent mapping the surficial geology with plans to continue the mapping in 2018 and hopefully locate KFN Historic Trail #9.

KELLI-REED CREEK RESOURCES LTD

KELLI CLAIMS (Kelli-Reed Creek Resources)

VAULT CLAIMS (Strategic Metals)

GOLD SOIL & SILT GEOCHEMISTRY

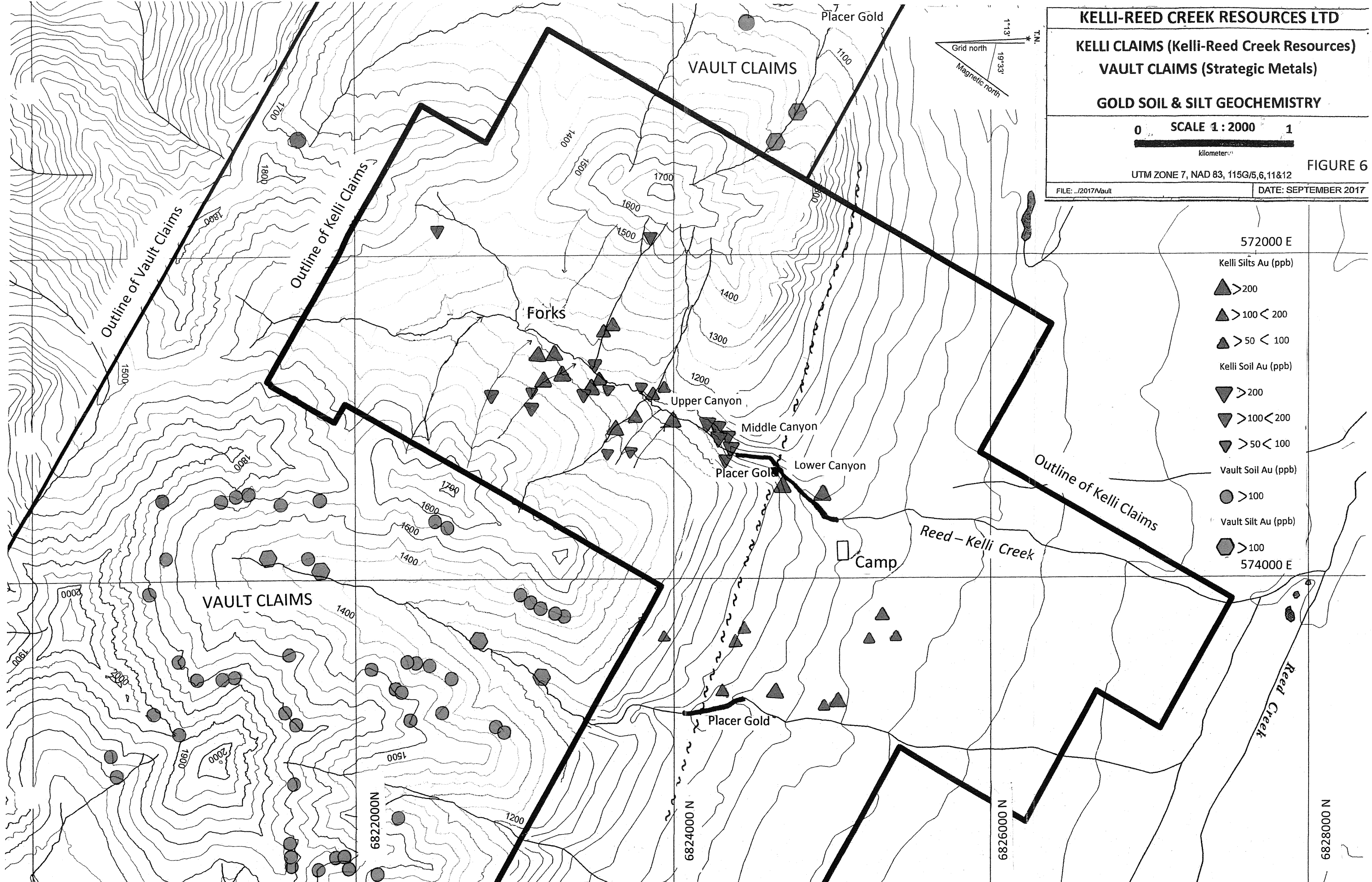


UTM ZONE 7, NAD 83, 115G/5,6,11&12

FIGURE 6

FILE: ..\2017\Vault

DATE: SEPTEMBER 2017



572000 E

Kelli Silts Au (ppb)

▲ >200

▲ >100 < 200

▲ >50 < 100

Kelli Soil Au (ppb)

▼ >200

▼ >100 < 200

▼ >50 < 100

Vault Soil Au (ppb)

● >100

Vault Silt Au (ppb)

● >100

574000 E

N 0008289

CONCLUSION AND RECOMMENDATIONS

The 2017 exploration program continued to expand the size of the geochemical soil and silt sample gold anomaly first discovered in 2015 between the Upper Canyon and the Forks of Reed-Kelli Creek. The samples greater than 50 ppb gold and more importantly, samples 100 ppb to over 200 ppb gold area shown on *Fig.6 and Map2*. The difficulty with the geochemical sampling is the location of all the samples are within the area of glacial valley fill that masks potential bedrock gold mineralization. There is also the possibility that the gold values have been transported and do not represent in-place gold mineralization. However, the glaciations in the Reed-Kelli Creek area produced little scouring of bedrock and was primarily glacial valley fill deposition. In addition, the anomalous values are concentrated in a well defined area indicating a nearby gold mineralized source.

There is very little bedrock exposed in the 2017 map area. Samples analysed from various locations with greater than average sulfide mineralization did not return significant gold values. However, there are two small outcrop exposures of a graphitic argillaceous formation with thin pyritic quartz veinlets that were not sampled and are located within a significant geochemical anomalous area. There is a large quartz vein slab in Pup 6 directly upstream from a silt value of 1,610 ppm gold. This should be sampled as Strategic Minerals Ltd. located an oxidized quartz vein float that analysed 8.12 g/t gold.

The focus of ongoing exploration should be the continued geochemical sampling and geological mapping above the limits of glaciations in the area of the 2017 program. This would expand the exploration area to the east, west and south boundaries of the Kelli Claim Group.

Respectfully submitted,



G.Gutrath, P.Eng. geologist

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APPENDIX A

Statement of Qualifications

ENGINEER'S CERTIFICATE

I, GORDON GUTRATH, of 702 – 181 Athlete's Way in the city of Vancouver in the Province of British Columbia, DO HEREBY CERTIFY:-

1. That I am a geologist with a business address of 702 – 181 Athlete's Way, Vancouver BC V5Y 0E5
2. That I am a graduate of the University of British Columbia where I obtained by B.Sc., in geological science in 1960.
3. That I am a Registered Professional Engineer in the Geological Section of the Association of Professional Engineers in the Province of British Columbia
4. That I have practiced my profession as a geologist for the past fifty-eight years.

DATED at the city of Vancouver, Province of British Columbia, this 30th day of January, 2018.



Gordon G. Gutrath, B.Sc., P.Eng.

| Specimen # | Waypoint # | Description |
|------------|------------|---|
| 1 | 169 | Medium grey-black composed of medium grained, subhedral grey plagioclase and black mafics (hornblende) cut by quartz veinlet 0.5 cm thick with 2% - 3% medium grained pyrite. Sheared fracture, face of highly effervescent thin white calcite and orange carbonate. Mag' 0 <u>Diorite/gabbro</u> |
| 2 | 171 | Same as Sp.1 but finer grained >1% fine pyrite Mag' 0 fine grained <u>Chlorite Schist</u> |
| 3 | 174 | Green, chloritic fine to medium grained schist. Cut by irregular quartz veinlets. Ground mass has 3% - 5% fine grained pyrite. Possible sheared brecciated contact phase of Sp.1 and Sp.2. 1% - 2% interstitial calcite. Mag' 0 <u>Chlorite schist</u> |
| 4 | 177 a) | Light orange oxidized shear planes on weathered surface. Grey highly foliated groundmass very fine grained with thin (0.05 mm to 1 mm) pyrite veinlets paralleling schistosity (2% - 4%) Mag' 0, Ca 0 <u>Sericite chlorite schist</u> |
| | 177 b) | From same outcrop area as WP 177 a) grey-green, highly foliated, fine grained, soft, strong reaction to HCl – interstitial calcite 3% - 4%, fine disseminated pyrite 2%, dark green thin chlorite planes Mag' 0, Ca 0 <u>Chlorite schist</u> |
| 5 | 190 | Laminated grey-green layers (30%) with thin irregular quartz calcite layers. Cross cutting quartz-carbonate veinlets carry 3% to 5% pyrite. Fine grained 1% - 2% pyrite is in the groundmass. Mag' 0, Ca+++ <u>Chlorite schist</u> |
| 6 | 196 | Finely laminated thin (2 mm – 3 mm) bands of orange weathering quartz-feldspar (30%) and dark black-green chlorite (70%). 1% to 3% fine pyrite. Mag' 0, Ca ++ <u>Chlorite quartz carbonate schist</u> |

| Specimen # | Waypoint # | Description |
|------------|------------|---|
| 7 | 197 | Massive dark green, intensely foliated, with white-grey calcite fracture filling, fine grained black magnetite crystals associated with the calcite fracture filling and in the groundmass. Mag' ++ (2%), Ca ++ <u>Chlorite schist (gabbro?)</u> |
| 8 | 198 | Light coloured grey-green highly foliated, cut by thin 2 mm – 5 mm thick quartz veins, stained a light orange, possibly from carbonate 2% - 3%, crystalline fine grained disseminated pyrite (3%) in groundmass. Mag' 0, Ca ++ <u>Sericite chlorite schist</u> |
| 9 | 202 | Dark green contorted layers of chlorite schist interbanded with very fine irregular white calcite and quartz veinlets and associated orange carbonate. Weathered surface dark oxidized orange-brown. Fine disseminated pyrite 3% - 5%. <u>Chlorite schist</u> |
| 10 | 203 | Dark orange-brown pitted weathered surface, fresh surface dark green, chloritic with interstitial calcite, subtle foliation banding, fine crystalline pyrite 3% - 5%, minor magnetite. Mag' +, Ca ++ <u>Massive chlorite schist</u> (ultra mafic intrusive gabbro) |
| 10 a) | 215 | Dark oxidized brown weathering, groundmass dark green-black cut by 15% irregular quartz veinlets with 5% - 10% fine pyrite. Groundmass 3% - 5% fine pyrite, possible chalcopyrite. Mag' 0, Ca 0 <u>Gabbro</u> |
| 11 | 222 | Medium grey, fine grained dark and light minerals equidimensional hornblende(?) and plagioclase, with some quartz, fine grained pyrite <1%. Mag' 0, Ca 0 <u>Andesite or fine grained diorite</u> |
| 12 | 226 | Oxidized orange brown surface, fresh surface mottled grey, siliceous fine grained white to black small rounded pebbles. Mag' 0, Ca 0 <u>Siliceous pebble conglomerate</u> |
| 13 | 243 | Pale brown weathered surfaced, fine grained grey feldspathic intrusive(?) cut by white calcite rich veinlets and associated with coarse grained clots of crystalline, bronze coloured <u>pyrrhotite</u> is highly magnetic. One side of specimen is grey black. <u>Gabbro</u> |

| Specimen # | Waypoint # | Description |
|------------|------------|---|
| 14 | 249 | Brown weathering surface, fresh rock is 50% medium grained anhedral mafic (hornblende?) in a grey feldspathic groundmass, pyrite <1% on fractures, none in groundmass <u>Mafic intrusion / gabbro</u> |
| 15 | 264 | Light brown-grey weathered surface with thin (0.5 cm to 1 cm) irregular beds of alternating white limestone and dark brown-black chert. Mag' 0, Ca ++ limestone bands chert <u>Chert-limestone</u> |
| 16 | 264 a | Dark grey-green weathered surface, fresh surface is a dark grey fine grained equicrystalline with a 2% - 5% fine disseminated pyrite, cut by a quartz-calcite white vein with chlorite shear planes with no sulfides. Mag' 0, Ca ++ in vein <u>Gabbro</u> |
| 17 | 266 | Weathered surface orange-brown oxidized, massive outcrop area of dark basic rock, cut by quartz-calcite veinlets with associated fine grained pyrite 2% - 5%. Mag' 0, Ca++ in veinlets <u>Gabbro</u> |
| 18 | 267 | Weathered surface light orange-brown, large outcrop area, fine grained euhedral plagioclase 50% and pyroxene 50%. Fine grained crystalline pyrite in groundmass 1% cut by numerous, very irregular quartz-calcite veinlets with 2% - 5% coarse grained clots of pyrite. Mag' 0, Ca 0 except in veinlets Gabbro |
| 19 | 284 | Dark brown-orange oxidized weathered surface, weakly laminated (bedding?), grey groundmass, fine grained pyrite >1%. M' 0, Ca ++ <u>Impure chert-limestone?</u> |
| 20 | 292 | Light brown weathered surface, fresh face is dark green chloritic schist (slickenside?) layered (1 cm) with a fine grained grey-green, euhedral crystalline plagioclase with 10% interstitial calcite. Mag' 0, Ca + <u>Sheared gabbro?</u> (Chlorite schist) |

APPENDIX C

Kelli Claim Group

Claim Status Report

28 December 2017

| Claim Name and Nbr. | Grant No. | Expiry Date | Registered Owner | % Owned | NTS #'s | Grouping | Permit |
|---------------------|-------------------|-------------|---------------------------------|---------|---------|----------|---------|
| ANN 1 - 4 | YB35476 - YB35479 | 2029/01/28 | Kelli-Reed Creek Resources Ltd. | 100.00 | 115G12 | | LQ00473 |
| BUY 1 - 12 | YA96221 - YA96232 | 2026/01/28 | Kelli-Reed Creek Resources Ltd. | 100.00 | 115G12 | | LQ00473 |
| FRED 1 - 2 | YF46657 - YF46658 | 2025/01/28 | Kelli-Reed Creek Resources Ltd. | 100.00 | 115G12 | | LQ00473 |
| FRED 3 - 5 | YF46654 - YF46656 | 2024/01/28 | Kelli-Reed Creek Resources Ltd. | 100.00 | 115G12 | | LQ00473 |
| GRACE 1 - 7 | YA97463 - YA97469 | 2026/01/28 | Kelli-Reed Creek Resources Ltd. | 100.00 | 115G12 | | LQ00473 |
| JO 1 | YB24070 | 2026/01/28 | Kelli-Reed Creek Resources Ltd. | 100.00 | 115G12 | | LQ00473 |
| JOSIE 1 - 2 | YA96350 - YA96351 | 2026/01/28 | Kelli-Reed Creek Resources Ltd. | 100.00 | 115G12 | | |
| KELLI 1 | YA93845 | 2029/01/28 | Kelli-Reed Creek Resources Ltd. | 100.00 | 115G12 | | LQ00473 |
| KELLI 3 - 8 | YA93847 - YA93852 | 2029/01/28 | Kelli-Reed Creek Resources Ltd. | 100.00 | 115G12 | | LQ00473 |
| KELLI 9 - 18 | YA95337 - YA95346 | 2030/01/28 | Kelli-Reed Creek Resources Ltd. | 100.00 | 115G12 | | LQ00473 |
| KELLI 19 - 26 | YA96352 - YA96359 | 2026/01/28 | Kelli-Reed Creek Resources Ltd. | 100.00 | 115G12 | | LQ00473 |
| KRISTY 1 - 2 | YB26868 - YB26869 | 2029/01/28 | Kelli-Reed Creek Resources Ltd. | 100.00 | 115G12 | | LQ00473 |
| KRISTY 3 | YB35800 | 2029/01/28 | Kelli-Reed Creek Resources Ltd. | 100.00 | 115G12 | | LQ00473 |
| KRISTY 5 - 14 | YB35801 - YB35810 | 2029/01/28 | Kelli-Reed Creek Resources Ltd. | 100.00 | 115G12 | | LQ00473 |
| RENO 1 - 2 | YA97470 - YA97471 | 2026/01/28 | Kelli-Reed Creek Resources Ltd. | 100.00 | 115G12 | | LQ00473 |
| ROSE 1 - 4 | YA95976 - YA95979 | 2026/01/28 | Kelli-Reed Creek Resources Ltd. | 100.00 | 115G12 | | LQ00473 |
| ROSE 5 | YA95980 | 2029/01/28 | Kelli-Reed Creek Resources Ltd. | 100.00 | 115G12 | | LQ00473 |
| ROSE 6 | YA95981 | 2026/01/28 | Kelli-Reed Creek Resources Ltd. | 100.00 | 115G12 | | LQ00473 |
| TOOTS 1 - 12 | YF46659 - YF46670 | 2022/01/28 | Kelli-Reed Creek Resources Ltd. | 100.00 | 115G12 | | LQ00473 |

Criteria(s) used for search:

CLAIM DISTRICT: 1000004 CLAIM STATUS: ACTIVE & PENDING OWNER(S): KELLI-REED CREEK RESOURCES LTD.
REGULATION TYPE: QUARTZ

Total claims selected : 89

Left column indicator legend:

- R - Indicates the claim is on one or more pending renewal(s).
- P - Indicates the claim is pending.

Right column indicator legend:

- L - Indicates the Quartz Lease.
- F - Indicates Full Quartz fraction (25+ acres)
- P - Indicates Partial Quartz fraction (<25 acres)

- D - Indicates Placer Discovery
- C - Indicates Placer Codiscovery
- B - Indicates Placer Fraction

APPENDIX D

Certificate of Rock Analysis



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

Client: **Atled Exploration Management Ltd.**
702-181 Athletes Way
Vancouver British Columbia V5Y 0E5 Canada

Submitted By: Gutrath Gordon
Receiving Lab: Canada-Whitehorse
Received: August 28, 2017
Report Date: September 15, 2017
Page: 1 of 2

CERTIFICATE OF ANALYSIS

WHI17000720.1

CLIENT JOB INFORMATION

Project: Kelli
Shipment ID:
P.O. Number
Number of Samples: 8

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT Dispose of Reject After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: **Atled Exploration Management Ltd.**
702-181 Athletes Way
Vancouver British Columbia V5Y 0E5
Canada

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Procedure Code | Number of Samples | Code Description | Test Wgt (g) | Report Status | Lab |
|----------------|-------------------|---|--------------|---------------|-----|
| PRP70-250 | 8 | Crush, split and pulverize 250 g rock to 200 mesh | | | WHI |
| AQ200 | 8 | 1:1:1 Aqua Regia digestion ICP-MS analysis | 0.5 | Completed | VAN |
| SHP01 | 8 | Per sample shipping charges for branch shipments | | | VAN |

ADDITIONAL COMMENTS



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



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Client: **Atled Exploration Management Ltd.**
702-181 Athletes Way
Vancouver British Columbia V5Y 0E5 Canada

Project: Kelli
Report Date: September 15, 2017

Page: 2 of 2

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI17000720.1

| Method | WGHT | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 |
|---------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Analyte | Wgt | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | |
| Unit | kg | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % | |
| MDL | 0.01 | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | |
| 001901 | Rock | 1.47 | 5.5 | 31.3 | 7.5 | 15 | 0.1 | 19.0 | 9.9 | 356 | 1.81 | 8.8 | 0.5 | 0.4 | 75 | <0.1 | 0.1 | <0.1 | 23 | 3.30 | 0.041 |
| 001902 | Rock | 0.97 | 0.5 | 4.8 | 9.7 | 24 | <0.1 | 1.9 | 1.9 | 553 | 1.21 | 1.8 | <0.5 | 0.3 | 109 | <0.1 | 0.3 | <0.1 | <2 | 0.62 | 0.163 |
| 001903 | Rock | 1.27 | 0.4 | 144.8 | 2.5 | 15 | 0.2 | 7.1 | 9.8 | 527 | 1.99 | 38.9 | 105.5 | 0.4 | 125 | <0.1 | 0.4 | <0.1 | 21 | 2.04 | 0.058 |
| 001904 | Rock | 1.67 | 2.3 | 128.0 | 1.0 | 28 | 0.1 | 17.8 | 23.3 | 376 | 2.04 | 2.2 | 3.2 | 0.2 | 53 | <0.1 | 0.3 | <0.1 | 55 | 1.09 | 0.061 |
| 001905 | Rock | 2.42 | 0.8 | 140.0 | 1.8 | 23 | 0.1 | 4.4 | 10.3 | 338 | 1.65 | 1.6 | 3.3 | 0.3 | 132 | <0.1 | 0.4 | <0.1 | 30 | 1.13 | 0.081 |
| 001906 | Rock | 1.59 | 26.6 | 79.1 | 3.3 | 29 | 0.2 | 18.7 | 14.3 | 171 | 3.28 | 0.7 | 1.6 | 0.6 | 25 | <0.1 | 0.1 | 0.2 | 24 | 0.60 | 0.035 |
| 001907 | Rock | 1.52 | 0.3 | 14.1 | 1.7 | 47 | <0.1 | 23.6 | 23.9 | 805 | 2.83 | 2.4 | 0.8 | 0.3 | 86 | <0.1 | 0.3 | <0.1 | 65 | 3.51 | 0.067 |
| 001908 | Rock | 1.43 | <0.1 | 65.1 | 5.3 | 68 | 0.1 | 4.5 | 12.1 | 1676 | 2.87 | <0.5 | 86.7 | 1.2 | 232 | 0.1 | 0.1 | <0.1 | 48 | 4.83 | 0.125 |



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Project: Kelli
Report Date: September 15, 2017

Page: 2 of 2

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI17000720.1

| Method | Analyte | AQ200 | | | | | | | | | | | | | | | | |
|--------|---------|-------|-----|------|-----|-------|-----|------|-------|------|------|-------|-----|------|-------|-----|------|------|
| | | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| Unit | | ppm | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| MDL | | 1 | 1 | 0.01 | 1 | 0.001 | 20 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| 001901 | Rock | 2 | 9 | 0.18 | 80 | 0.126 | <20 | 0.56 | 0.035 | 0.11 | 0.2 | <0.01 | 2.3 | <0.1 | 0.74 | 1 | <0.5 | <0.2 |
| 001902 | Rock | 2 | 11 | 0.09 | 34 | 0.002 | <20 | 0.13 | 0.079 | 0.02 | <0.1 | <0.01 | 1.2 | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| 001903 | Rock | 3 | 7 | 0.49 | 75 | 0.044 | <20 | 0.51 | 0.046 | 0.28 | <0.1 | <0.01 | 3.1 | <0.1 | 1.45 | 2 | 1.0 | <0.2 |
| 001904 | Rock | 2 | 14 | 0.75 | 49 | 0.128 | <20 | 1.03 | 0.049 | 0.37 | <0.1 | <0.01 | 4.0 | 0.1 | 0.73 | 2 | 0.6 | <0.2 |
| 001905 | Rock | 3 | 6 | 0.52 | 62 | 0.082 | <20 | 0.83 | 0.060 | 0.16 | <0.1 | <0.01 | 2.5 | <0.1 | 0.88 | 2 | 0.6 | <0.2 |
| 001906 | Rock | 1 | 6 | 0.46 | 33 | 0.138 | <20 | 0.98 | 0.024 | 0.26 | <0.1 | <0.01 | 2.8 | <0.1 | 1.80 | 2 | 1.8 | 0.6 |
| 001907 | Rock | 2 | 37 | 1.55 | 59 | 0.073 | <20 | 1.44 | 0.054 | 0.10 | <0.1 | <0.01 | 6.4 | <0.1 | 0.89 | 4 | <0.5 | <0.2 |
| 001908 | Rock | 14 | 3 | 0.79 | 191 | 0.005 | <20 | 0.83 | 0.035 | 0.33 | <0.1 | <0.01 | 5.3 | <0.1 | 0.11 | 3 | <0.5 | <0.2 |



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PHONE (604) 253-3158

Client: **Atled Exploration Management Ltd.**
702-181 Athletes Way
Vancouver British Columbia V5Y 0E5 Canada

Project: Kelli
Report Date: September 15, 2017

Page: 1 of 1

Part: 1 of 2

QUALITY CONTROL REPORT WHI17000720.1

| Method | WGHT | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 |
|---------------------|------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| Analyte | Wgt | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | |
| Unit | kg | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % | |
| MDL | 0.01 | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | |
| Reference Materials | | | | | | | | | | | | | | | | | | | | | |
| STD DS11 | Standard | 12.6 | 147.7 | 136.2 | 332 | 1.7 | 77.3 | 13.5 | 997 | 3.05 | 41.5 | 87.4 | 6.7 | 70 | 2.6 | 7.8 | 11.9 | 48 | 1.02 | 0.072 | |
| STD OREAS45EA | Standard | 1.4 | 699.3 | 12.8 | 31 | 0.2 | 364.3 | 51.2 | 426 | 22.25 | 11.1 | 43.8 | 9.1 | 4 | <0.1 | 0.3 | 0.2 | 297 | 0.03 | 0.028 | |
| STD OREAS45EA | Expected | 1.6 | 709 | 14.3 | 31.4 | 0.26 | 381 | 52 | 400 | 23.51 | 10.3 | 53 | 10.7 | 3.5 | 0.03 | 0.32 | 0.26 | 303 | 0.036 | 0.029 | |
| STD DS11 | Expected | 13.9 | 156 | 138 | 345 | 1.71 | 81.9 | 14.2 | 1055 | 3.2082 | 42.8 | 79 | 7.65 | 67.3 | 2.37 | 7.2 | 12.2 | 50 | 1.063 | 0.0701 | |
| BLK | Blank | <0.1 | <0.1 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <1 | <0.01 | <0.5 | <0.5 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <2 | <0.01 | <0.001 | |
| Prep Wash | | | | | | | | | | | | | | | | | | | | | |
| ROCK-WHI | Prep Blank | 0.5 | 2.7 | 1.1 | 30 | <0.1 | 0.9 | 3.5 | 501 | 1.62 | 1.2 | <0.5 | 2.2 | 20 | <0.1 | <0.1 | <0.1 | 22 | 0.56 | 0.040 | |



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Client: **Atled Exploration Management Ltd.**
702-181 Athletes Way
Vancouver British Columbia V5Y 0E5 Canada

Project: Kelli
Report Date: September 15, 2017

Page: 1 of 1

Part: 2 of 2

QUALITY CONTROL REPORT

WHI17000720.1

| Method | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | |
|------------------------|------------|-------|-------|-------|-------|--------|-------|-------|--------|-------|-------|-------|-------|-------|--------|-------|-------|------|
| Analyte | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te | |
| Unit | ppm | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | |
| MDL | 1 | 1 | 0.01 | 1 | 0.001 | 20 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| Reference Materials | | | | | | | | | | | | | | | | | | |
| STD DS11 | Standard | 18 | 57 | 0.82 | 418 | 0.089 | <20 | 1.09 | 0.068 | 0.38 | 2.8 | 0.21 | 3.0 | 4.8 | 0.28 | 5 | 1.3 | 4.6 |
| STD OREAS45EA | Standard | 7 | 787 | 0.09 | 137 | 0.093 | <20 | 3.20 | 0.024 | 0.05 | <0.1 | <0.01 | 74.0 | <0.1 | <0.05 | 13 | 1.3 | <0.2 |
| STD OREAS45EA Expected | | 7.06 | 849 | 0.095 | 148 | 0.0984 | | 3.13 | 0.02 | 0.053 | | | 78 | 0.072 | 0.036 | 12.4 | 0.78 | 0.07 |
| STD DS11 Expected | | 18.6 | 61.5 | 0.85 | 417 | 0.0976 | | 1.129 | 0.0694 | 0.4 | 2.9 | 0.3 | 3.1 | 4.9 | 0.2835 | 4.7 | 1.9 | 4.56 |
| BLK | Blank | <1 | <1 | <0.01 | <1 | <0.001 | <20 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| Prep Wash | | | | | | | | | | | | | | | | | | |
| ROCK-WHI | Prep Blank | 6 | 6 | 0.46 | 49 | 0.072 | <20 | 0.94 | 0.098 | 0.10 | <0.1 | <0.01 | 2.7 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |

Bureau Veritas Commodities Canada Ltd.
 Client: Atled Exploration Management Ltd.
 File Create 15-Sep-17
 Job Number WHI17000720
 Number of 8
 Project: Kelli
 Shipment ID:
 P.O. Number:
 Received: 28-Aug-17

Final Report

| Method | WGHT | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 |
|---------------------|-----------|-------|-------|-------|-------|-------|-------|-------|
| Analyte | Wgt | Mo | Cu | Pb | Zn | Ag | Ni | |
| Unit | KG | PPM | PPM | PPM | PPM | PPM | PPM | PPM |
| MDL | 0.01 | 0.1 | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 |
| Sample | Type | | | | | | | |
| 228-1 | 1901 Rock | 1.47 | 5.5 | 31.3 | 7.5 | 15 | 0.1 | 19 |
| 231 | 1902 Rock | 0.97 | 0.5 | 4.8 | 9.7 | 24 | <0.1 | 1.9 |
| 243 | 1903 Rock | 1.27 | 0.4 | 144.8 | 2.5 | 15 | 0.2 | 7.1 |
| 245 | 1904 Rock | 1.67 | 2.3 | 128 | 1 | 28 | 0.1 | 17.8 |
| 262 | 1905 Rock | 2.42 | 0.8 | 140 | 1.8 | 23 | 0.1 | 4.4 |
| 265 | 1906 Rock | 1.59 | 26.6 | 79.1 | 3.3 | 29 | 0.2 | 18.7 |
| 267 | 1907 Rock | 1.52 | 0.3 | 14.1 | 1.7 | 47 | <0.1 | 23.6 |
| 284 | 1908 Rock | 1.43 | <0.1 | 65.1 | 5.3 | 68 | 0.1 | 4.5 |
| Reference Materials | | | | | | | | |
| STD ORE/STD | | | 1.4 | 699.3 | 12.8 | 31 | 0.2 | 364.3 |
| STD DS11 STD | | | 12.6 | 147.7 | 136.2 | 332 | 1.7 | 77.3 |
| BLK BLK | | <0.1 | <0.1 | <0.1 | <1 | <0.1 | <0.1 | |
| Prep Wash | | | | | | | | |
| ROCK-WH Prep Blank | | | 0.5 | 2.7 | 1.1 | 30 | <0.1 | 0.9 |

| AQ200 Co PPM | AQ200 Mn PPM | AQ200 Fe % | AQ200 As PPM | AQ200 Au PPB | AQ200 Th PPM | AQ200 Sr PPM | AQ200 Cd PPM | AQ200 Sb PPM |
|--------------------|--------------------|------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 0.1 | 1 | 0.01 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 |
| 9.9 | 356 | 1.81 | 8.8 | 0.5 | 0.4 | 75 | <0.1 | 0.1 |
| 1.9 | 553 | 1.21 | 1.8 | <0.5 | 0.3 | 109 | <0.1 | 0.3 |
| 9.8 | 527 | 1.99 | 38.9 | 105.5 | 0.4 | 125 | <0.1 | 0.4 |
| 23.3 | 376 | 2.04 | 2.2 | 3.2 | 0.2 | 53 | <0.1 | 0.3 |
| 10.3 | 338 | 1.65 | 1.6 | 3.3 | 0.3 | 132 | <0.1 | 0.4 |
| 14.3 | 171 | 3.28 | 0.7 | 1.6 | 0.6 | 25 | <0.1 | 0.1 |
| 23.9 | 805 | 2.83 | 2.4 | 0.8 | 0.3 | 86 | <0.1 | 0.3 |
| 12.1 | 1676 | 2.87 | <0.5 | 86.7 | 1.2 | 232 | 0.1 | 0.1 |
| 51.2 | 426 | 22.25 | 11.1 | 43.8 | 9.1 | 4 | <0.1 | 0.3 |
| 13.5 | 997 | 3.05 | 41.5 | 87.4 | 6.7 | 70 | 2.6 | 7.8 |
| <0.1 | <1 | <0.01 | <0.5 | <0.5 | <0.1 | <1 | <0.1 | <0.1 |
| 3.5 | 501 | 1.62 | 1.2 | <0.5 | 2.2 | 20 | <0.1 | <0.1 |

| AQ200 Bi PPM | AQ200 V PPM | AQ200 Ca % | AQ200 P % | AQ200 La PPM | AQ200 Cr PPM | AQ200 Mg % | AQ200 Ba PPM | AQ200 Ti % | |
|--------------------|-------------------|------------------|-----------------|--------------------|--------------------|------------------|--------------------|------------------|-------|
| 0.1 | | 2 | 0.01 | 0.001 | 1 | 1 | 0.01 | 1 | 0.001 |
| <0.1 | | 23 | 3.3 | 0.041 | 2 | 9 | 0.18 | 80 | 0.126 |
| <0.1 | <2 | | 0.62 | 0.163 | 2 | 11 | 0.09 | 34 | 0.002 |
| <0.1 | | 21 | 2.04 | 0.058 | 3 | 7 | 0.49 | 75 | 0.044 |
| <0.1 | | 55 | 1.09 | 0.061 | 2 | 14 | 0.75 | 49 | 0.128 |
| <0.1 | | 30 | 1.13 | 0.081 | 3 | 6 | 0.52 | 62 | 0.082 |
| | 0.2 | 24 | 0.6 | 0.035 | 1 | 6 | 0.46 | 33 | 0.138 |
| <0.1 | | 65 | 3.51 | 0.067 | 2 | 37 | 1.55 | 59 | 0.073 |
| <0.1 | | 48 | 4.83 | 0.125 | 14 | 3 | 0.79 | 191 | 0.005 |
| | 0.2 | 297 | 0.03 | 0.028 | 7 | 787 | 0.09 | 137 | 0.093 |
| | 11.9 | 48 | 1.02 | 0.072 | 18 | 57 | 0.82 | 418 | 0.089 |
| <0.1 | <2 | <0.01 | <0.001 | <1 | <1 | <0.01 | <1 | <0.001 | |
| <0.1 | | 22 | 0.56 | 0.04 | 6 | 6 | 0.46 | 49 | 0.072 |

| AQ200 B PPM | AQ200 Al % | AQ200 Na % | AQ200 K % | AQ200 W PPM | AQ200 Hg PPM | AQ200 Sc PPM | AQ200 TI PPM | AQ200 S % | |
|-------------------|------------------|------------------|-----------------|-------------------|--------------------|--------------------|--------------------|-----------------|------|
| 20 | 0.01 | 0.001 | 0.01 | 0.1 | 0.1 | 0.01 | 0.1 | 0.1 | 0.05 |
| <20 | 0.56 | 0.035 | 0.11 | 0.2 | <0.01 | | 2.3 <0.1 | 0.74 | |
| <20 | 0.13 | 0.079 | 0.02 | <0.1 | <0.01 | | 1.2 <0.1 | <0.05 | |
| <20 | 0.51 | 0.046 | 0.28 | <0.1 | <0.01 | | 3.1 <0.1 | 1.45 | |
| <20 | 1.03 | 0.049 | 0.37 | <0.1 | <0.01 | | 4 | 0.1 | 0.73 |
| <20 | 0.83 | 0.06 | 0.16 | <0.1 | <0.01 | | 2.5 <0.1 | 0.88 | |
| <20 | 0.98 | 0.024 | 0.26 | <0.1 | <0.01 | | 2.8 <0.1 | 1.8 | |
| <20 | 1.44 | 0.054 | 0.1 | <0.1 | <0.01 | | 6.4 <0.1 | 0.89 | |
| <20 | 0.83 | 0.035 | 0.33 | <0.1 | <0.01 | | 5.3 <0.1 | 0.11 | |
| <20 | 3.2 | 0.024 | 0.05 | <0.1 | <0.01 | | 74 <0.1 | <0.05 | |
| <20 | 1.09 | 0.068 | 0.38 | 2.8 | 0.21 | | 3 | 4.8 | 0.28 |
| <20 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | |
| <20 | 0.94 | 0.098 | 0.1 | <0.1 | <0.01 | | 2.7 <0.1 | <0.05 | |

| AQ200 Ga PPM | AQ200 Se PPM | AQ200 Te PPM |
|--------------------|--------------------|--------------------|
| 1 | 0.5 | 0.2 |

| | | | |
|----|---|------|------|
| | 1 | <0.5 | <0.2 |
| <1 | | <0.5 | <0.2 |
| | 2 | 1 | <0.2 |
| | 2 | 0.6 | <0.2 |
| | 2 | 0.6 | <0.2 |
| | 2 | 1.8 | 0.6 |
| | 4 | <0.5 | <0.2 |
| | 3 | <0.5 | <0.2 |

| | | | |
|----|----|------|------|
| | 13 | 1.3 | <0.2 |
| | 5 | 1.3 | 4.6 |
| <1 | | <0.5 | <0.2 |
| | 4 | <0.5 | <0.2 |

APPENDIX E

Certificate of Analysis for Geochemical Soil and Silt Sampling



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PHONE (604) 253-3158

Client: **Atled Exploration Management d.**
702-181 Athletes Way
Vancouver British Columbia V5Y 0E5 Canada

Submitted By: Gutrath Gordon
Receiving Lab: Canada-Whitehorse
Received: August 28, 2017
Report Date: September 18, 2017
Page: 1 of 3

CERTIFICATE OF ANALYSIS

WHI17000721.1

CLIENT JOB INFORMATION

Project: Kelli
Shipment ID:
P.O. Number
Number of Samples: 43

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT-SOIL Immediate Disposal of Soil Reject

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: **Atled Exploration Management Ltd.**
702-181 Athletes Way
Vancouver British Columbia V5Y 0E5
Canada

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Procedure Code | Number of Samples | Code Description | Test Wgt (g) | Report Status | Lab |
|----------------|-------------------|--|--------------|---------------|-----|
| DY060 | 43 | Dry at 60C | | | WHI |
| SS80 | 43 | Dry at 60C sieve 100g to -80 mesh | | Completed | WHI |
| AQ115 | 43 | Acid digest, Au by ICP-MS analysis | 15 | Completed | VAN |
| SHP01 | 43 | Per sample shipping charges for branch shipments | | | VAN |

ADDITIONAL COMMENTS


JEFFREY CANNON
Geochemistry Department Supervisor

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.

*** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Vancouver British Columbia V5Y 0E5 Canada

Project: Kelli

Report Date: September 18, 2017

Page: 2 of 3

Part: 1 of 1

CERTIFICATE OF ANALYSIS

WHI17000721.1

| Method | AQ115 |
|----------|-------------|
| Analyte | Au |
| Unit | ppb |
| MDL | 0.5 |
| 17-So-2 | Soil 6.4 |
| 17-So-3 | Soil 261.6 |
| 17-So-4 | Soil 139.2 |
| 17-So-5 | Soil 1124.6 |
| 17-So-6 | Soil 274.1 |
| 17-So-7 | Soil 33.8 |
| 17-So-8 | Soil 528.4 |
| 17-So-9 | Soil 21.2 |
| 17-So-10 | Soil 30.9 |
| 17-So-11 | Soil 45.6 |
| 17-So-12 | Soil 25.4 |
| 17-So-13 | Soil 24.1 |
| 17-So-14 | Soil 46.8 |
| 17-So-15 | Soil 41.8 |
| 17-So-16 | Soil 52.1 |
| 17-So-17 | Soil 215.9 |
| 17-So-18 | Soil 12.5 |
| 17-So-19 | Soil 73.7 |
| 17-So-20 | Soil 45.9 |
| 17-So-21 | Soil 46.7 |
| 17-So-22 | Soil 57.4 |
| 17-So-23 | Soil 134.4 |
| 17-So-24 | Soil 25.3 |
| 17-So-25 | Soil 90.2 |
| 17-So-26 | Soil 121.1 |
| 17-So-27 | Soil 246.0 |
| 17-So-28 | Soil 39.4 |
| 17-So-29 | Soil 110.1 |
| 17-So-30 | Soil 85.0 |
| 17-So-31 | Soil 107.2 |



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Vancouver British Columbia V5Y 0E5 Canada

Project: Kelli
Report Date: September 18, 2017

Page: 3 of 3

Part: 1 of 1

CERTIFICATE OF ANALYSIS

WHI17000721.1

| Method | AQ115 |
|----------|------------|
| Analyte | Au |
| Unit | ppb |
| MDL | 0.5 |
| 17-So-32 | Soil 29.9 |
| 17-So-33 | Soil 63.3 |
| 17-So-34 | Soil 59.5 |
| 17-So-35 | Soil 123.8 |
| 17-So-36 | Soil 27.4 |
| 17-So-37 | Soil 121.9 |
| 17-So-38 | Soil 124.9 |
| 17-So-39 | Soil 88.4 |
| 17-So-40 | Soil 48.7 |
| 17-So-41 | Soil 27.3 |
| 17-So-42 | Soil 15.4 |
| 17-So-43 | Soil 20.8 |
| 17-So-44 | Soil 67.7 |



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Project: Kelli
Report Date: September 18, 2017

Page: 1 of 1

Part: 1 of 1

QUALITY CONTROL REPORT

WHI17000721.1

| | Method | AQ115 |
|-----------------------|----------|-------|
| | Analyte | Au |
| | Unit | ppb |
| | MDL | 0.5 |
| Pulp Duplicates | | |
| 17-So-9 | Soil | 21.2 |
| REP 17-So-9 | QC | 28.8 |
| 17-So-40 | Soil | 48.7 |
| REP 17-So-40 | QC | 42.0 |
| Reference Materials | | |
| STD OREAS901 | Standard | 382.8 |
| STD OREAS901 | Standard | 369.3 |
| STD OREAS901 Expected | | 363 |
| BLK | Blank | <0.5 |
| BLK | Blank | <0.5 |



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Client: **Atled Exploration Management d.**
702-181 Athletes Way
Vancouver British Columbia V5Y 0E5 Canada

Submitted By: Gutrath Gordon
Receiving Lab: Canada-Whitehorse
Received: August 28, 2017
Report Date: September 19, 2017
Page: 1 of 3

CERTIFICATE OF ANALYSIS

WHI17000722.1

CLIENT JOB INFORMATION

Project: Kelli
Shipment ID:
P.O. Number
Number of Samples: 36

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT-SOIL Immediate Disposal of Soil Reject

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Atled Exploration Management Ltd.
702-181 Athletes Way
Vancouver British Columbia V5Y 0E5
Canada

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Procedure Code | Number of Samples | Code Description | Test Wgt (g) | Report Status | Lab |
|----------------|-------------------|--|--------------|---------------|-----|
| DY060 | 36 | Dry at 60C | | | WHI |
| SS80 | 36 | Dry at 60C sieve 100g to -80 mesh | | | WHI |
| AQ115 | 36 | Acid digest, Au by ICP-MS analysis | 15 | Completed | VAN |
| SHP01 | 36 | Per sample shipping charges for branch shipments | | | VAN |

ADDITIONAL COMMENTS


JEFFREY CANNON
Geochemistry Department Supervisor

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.

*** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: Kelli
Report Date: September 19, 2017

Page: 2 of 3

Part: 1 of 1

CERTIFICATE OF ANALYSIS

WHI17000722.1

| Method | AQ115 |
|----------|------------|
| Analyte | Au |
| Unit | ppb |
| MDL | 0.5 |
| 17-Si-1 | Silt 42.2 |
| 17-Si-2 | Silt 331.0 |
| 17-Si-3 | Silt 159.7 |
| 17-Si-4 | Silt 206.5 |
| 17-Si-5 | Silt 61.9 |
| 17-Si-6 | Silt 16.8 |
| 17-Si-7 | Silt 39.0 |
| 17-Si-8 | Silt 26.6 |
| 17-Si-9 | Silt 20.7 |
| 17-Si-10 | Silt 87.5 |
| 17-Si-11 | Silt 72.5 |
| 17-Si-12 | Silt 81.5 |
| 17-Si-13 | Silt 25.3 |
| 17-Si-14 | Silt 74.1 |
| 17-Si-15 | Silt 54.7 |
| 17-Si-16 | Silt 34.8 |
| 17-Si-17 | Silt 30.7 |
| 17-Si-18 | Silt 133.1 |
| 17-Si-19 | Silt 189.9 |
| 17-Si-20 | Silt 68.4 |
| 17-Si-21 | Silt 35.5 |
| 17-Si-22 | Silt 118.5 |
| 17-Si-23 | Silt 57.1 |
| 17-Si-24 | Silt 34.1 |
| 17-Si-25 | Silt 22.1 |
| 17-Si-26 | Silt 56.9 |
| 17-Si-27 | Silt 26.6 |
| 17-Si-28 | Silt 13.7 |
| 17-Si-29 | Silt 33.5 |
| 17-Si-30 | Silt 34.1 |



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Client: **Atled Exploration Managemer. .d.**

702-181 Athletes Way

Vancouver British Columbia V5Y 0E5 Canada

Project: Kelli

Report Date: September 19, 2017

Page: 3 of 3

Part: 1 of 1

CERTIFICATE OF ANALYSIS

WHI17000722.1

| | Method | AQ115 |
|----------|---------|-------|
| | Analyte | Au |
| | Unit | ppb |
| | MDL | 0.5 |
| 17-Si-31 | Silt | 8.7 |
| 17-Si-32 | Silt | 11.7 |
| 17-Si-33 | Silt | 20.0 |
| 17-Si-34 | Silt | 12.8 |
| 17-Si-35 | Silt | 15.9 |
| 17-Si-36 | Silt | 11.5 |



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Project: Kelli

Report Date: September 19, 2017

Page: 1 of 1

Part: 1 of 1

QUALITY CONTROL REPORT

WHI17000722.1

| | Method | AQ115 |
|-----------------------|----------|-------|
| | Analyte | Au |
| | Unit | ppb |
| | MDL | 0.5 |
| Pulp Duplicates | | |
| 17-Si-15 | Silt | 54.7 |
| REP 17-Si-15 | QC | 27.3 |
| Reference Materials | | |
| STD OREAS901 | Standard | 416.6 |
| STD OREAS901 Expected | | 363 |
| BLK | Blank | <0.5 |

Bureau Veritas Commodities Canada Ltd.

Final Report

Client: Atled Exploration Management Ltd.

File Created: 18-Sep-17

Job Number: WHI17000721

Number of: 43

Project: Kelli

Shipment ID:

P.O. Number:

Received: 28-Aug-17

| | Method | AQ115 |
|----------|---------|--------|
| | Analyte | Au |
| | Unit | PPB |
| | MDL | 0.5 |
| Sample | Type | |
| 17-So-2 | Soil | 6.4 |
| 17-So-3 | Soil | 261.6 |
| 17-So-4 | Soil | 139.2 |
| 17-So-5 | Soil | 1124.6 |
| 17-So-6 | Soil | 274.1 |
| 17-So-7 | Soil | 33.8 |
| 17-So-8 | Soil | 528.4 |
| 17-So-9 | Soil | 21.2 |
| 17-So-10 | Soil | 30.9 |
| 17-So-11 | Soil | 45.6 |
| 17-So-12 | Soil | 25.4 |
| 17-So-13 | Soil | 24.1 |
| 17-So-14 | Soil | 46.8 |
| 17-So-15 | Soil | 41.8 |
| 17-So-16 | Soil | 52.1 |
| 17-So-17 | Soil | 215.9 |
| 17-So-18 | Soil | 12.5 |
| 17-So-19 | Soil | 73.7 |
| 17-So-20 | Soil | 45.9 |
| 17-So-21 | Soil | 46.7 |
| 17-So-22 | Soil | 57.4 |
| 17-So-23 | Soil | 134.4 |
| 17-So-24 | Soil | 25.3 |
| 17-So-25 | Soil | 90.2 |
| 17-So-26 | Soil | 121.1 |
| 17-So-27 | Soil | 246 |
| 17-So-28 | Soil | 39.4 |
| 17-So-29 | Soil | 110.1 |
| 17-So-30 | Soil | 85 |
| 17-So-31 | Soil | 107.2 |
| 17-So-32 | Soil | 29.9 |
| 17-So-33 | Soil | 63.3 |

| | | |
|---------------------|------|-------|
| 17-So-34 | Soil | 59.5 |
| 17-So-35 | Soil | 123.8 |
| 17-So-36 | Soil | 27.4 |
| 17-So-37 | Soil | 121.9 |
| 17-So-38 | Soil | 124.9 |
| 17-So-39 | Soil | 88.4 |
| 17-So-40 | Soil | 48.7 |
| 17-So-41 | Soil | 27.3 |
| 17-So-42 | Soil | 15.4 |
| 17-So-43 | Soil | 20.8 |
| 17-So-44 | Soil | 67.7 |
| Pulp Duplicates | | |
| 17-So-40 | Soil | 48.7 |
| 17-So-40 | REP | 42 |
| 17-So-9 | Soil | 21.2 |
| 17-So-9 | REP | 28.8 |
| Reference Materials | | |
| STD OREAS STD | | 382.8 |
| STD OREAS STD | | 369.3 |
| BLK | BLK | <0.5 |
| BLK | BLK | <0.5 |

Bureau Veritas Commodities Canada Ltd.

Final Report

Client: Atled Exploration Management Ltd.

File Created: 19-Sep-17

Job Number: WHI17000722

Number of: 36

Project: Kelli

Shipment ID:

P.O. Number:

Received: 28-Aug-17

| | Method | AQ115 |
|----------|---------|-------|
| | Analyte | Au |
| | Unit | PPB |
| | MDL | 0.5 |
| Sample | Type | |
| 17-Si-1 | Silt | 42.2 |
| 17-Si-2 | Silt | 331 |
| 17-Si-3 | Silt | 159.7 |
| 17-Si-4 | Silt | 206.5 |
| 17-Si-5 | Silt | 61.9 |
| 17-Si-6 | Silt | 16.8 |
| 17-Si-7 | Silt | 39 |
| 17-Si-8 | Silt | 26.6 |
| 17-Si-9 | Silt | 20.7 |
| 17-Si-10 | Silt | 87.5 |
| 17-Si-11 | Silt | 72.5 |
| 17-Si-12 | Silt | 81.5 |
| 17-Si-13 | Silt | 25.3 |
| 17-Si-14 | Silt | 74.1 |
| 17-Si-15 | Silt | 54.7 |
| 17-Si-16 | Silt | 34.8 |
| 17-Si-17 | Silt | 30.7 |
| 17-Si-18 | Silt | 133.1 |
| 17-Si-19 | Silt | 189.9 |
| 17-Si-20 | Silt | 68.4 |
| 17-Si-21 | Silt | 35.5 |
| 17-Si-22 | Silt | 118.5 |
| 17-Si-23 | Silt | 57.1 |
| 17-Si-24 | Silt | 34.1 |
| 17-Si-25 | Silt | 22.1 |
| 17-Si-26 | Silt | 56.9 |
| 17-Si-27 | Silt | 26.6 |
| 17-Si-28 | Silt | 13.7 |
| 17-Si-29 | Silt | 33.5 |
| 17-Si-30 | Silt | 34.1 |
| 17-Si-31 | Silt | 8.7 |
| 17-Si-32 | Silt | 11.7 |

| | | |
|---------------------|------|-------|
| 17-Si-33 | Silt | 20 |
| 17-Si-34 | Silt | 12.8 |
| 17-Si-35 | Silt | 15.9 |
| 17-Si-36 | Silt | 11.5 |
| Pulp Duplicates | | |
| 17-Si-15 | Silt | 54.7 |
| 17-Si-15 | REP | 27.3 |
| Reference Materials | | |
| STD OREAS STD | | 416.6 |
| BLK | BLK | <0.5 |

APPENDIX F

2017 Waypoint List

Waypoint List continued

| Num | Name | Zone | Easting | Northing | Alt(m) |
|-----|------|------|---------|----------|--------|
| 134 | 133 | 7V | 573629 | 6825365 | 910 |
| 135 | 134 | 7V | 573709 | 6825020 | 938 |
| 136 | 135 | 7V | 573706 | 6825016 | 946 |
| 137 | 136 | 7V | 573709 | 6825022 | 959 |
| 138 | 137 | 7V | 573709 | 6825023 | 959 |
| 139 | 138 | 7V | 573706 | 6825024 | 956 |
| 140 | 139 | 7V | 572825 | 6823699 | 1119 |
| 141 | 140 | 7V | 572824 | 6823700 | 1119 |
| 142 | 141 | 7V | 572821 | 6823702 | 1120 |
| 143 | 142 | 7V | 573702 | 6825295 | 979 |
| 144 | 143 | 7V | 573674 | 6825330 | 965 |
| 145 | 144 | 7V | 573639 | 6825352 | 955 |
| 146 | 145 | 7V | 573604 | 6825386 | 938 |
| 147 | 146 | 7V | 573555 | 6825357 | 935 |
| 148 | 147 | 7V | 573558 | 6825367 | 933 |
| 149 | 148 | 7V | 573404 | 6825458 | 913 |
| 150 | 149 | 7V | 573600 | 6825652 | 896 |
| 151 | 150 | 7V | 573619 | 6825648 | 895 |
| 152 | 151 | 7V | 573633 | 6825690 | 890 |
| 153 | 152 | 7V | 573668 | 6825698 | 892 |
| 154 | 153 | 7V | 573684 | 6825733 | 889 |
| 155 | 154 | 7V | 573667 | 6825788 | 885 |
| 156 | 155 | 7V | 573672 | 6825867 | 879 |
| 157 | 156 | 7V | 573674 | 6825867 | 879 |
| 158 | 157 | 7V | 573691 | 6825915 | 874 |
| 159 | 158 | 7V | 573668 | 6825908 | 874 |
| 160 | 159 | 7V | 573657 | 6825912 | 874 |
| 161 | 160 | 7V | 573645 | 6825916 | 874 |
| 162 | 161 | 7V | 573650 | 6825904 | 875 |
| 163 | 162 | 7V | 573629 | 6825682 | 890 |
| 164 | 163 | 7V | 572884 | 6823820 | 1098 |
| 165 | 164 | 7V | 572898 | 6823814 | 1104 |
| 166 | 165 | 7V | 572908 | 6823793 | 1112 |
| 167 | A66 | 7V | 572906 | 6823794 | 1113 |
| 168 | 166 | 7V | 572922 | 6823778 | 1120 |
| 169 | 167 | 7V | 572936 | 6823769 | 1124 |
| 170 | 168 | 7V | 572955 | 6823765 | 1129 |
| 171 | 169 | 7V | 572952 | 6823761 | 1119 |
| 172 | 170 | 7V | 572958 | 6823757 | 1127 |
| 173 | 171 | 7V | 572972 | 6823747 | 1134 |
| 174 | 172 | 7V | 572996 | 6823737 | 1141 |
| 175 | 173 | 7V | 572994 | 6823726 | 1145 |
| 176 | 174 | 7V | 573004 | 6823721 | 1145 |
| 177 | 175 | 7V | 573027 | 6823683 | 1154 |
| 178 | 176 | 7V | 573039 | 6823664 | 1162 |
| 179 | 177 | 7V | 573051 | 6823641 | 1171 |
| 180 | 178 | 7V | 573051 | 6823640 | 1171 |
| 181 | 179 | 7V | 573080 | 6823643 | 1178 |
| 182 | 180 | 7V | 573087 | 6823618 | 1181 |
| 183 | 181 | 7V | 573093 | 6823614 | 1182 |
| 184 | 182 | 7V | 573122 | 6823591 | 1191 |
| 185 | 183 | 7V | 573092 | 6823586 | 1221 |
| 186 | 184 | 7V | 573082 | 6823575 | 1220 |
| 187 | 185 | 7V | 573064 | 6823570 | 1228 |
| 188 | 186 | 7V | 572881 | 6823378 | 1241 |
| 189 | 187 | 7V | 572866 | 6823396 | 1227 |
| 190 | 188 | 7V | 572844 | 6823416 | 1212 |
| 191 | 189 | 7V | 572834 | 6823420 | 1210 |
| 192 | 190 | 7V | 572823 | 6823440 | 1192 |
| 193 | 191 | 7V | 572806 | 6823453 | 1180 |
| 194 | 192 | 7V | 572771 | 6823478 | 1159 |
| 195 | 193 | 7V | 572728 | 6823494 | 1148 |
| 196 | 194 | 7V | 572821 | 6823488 | 1161 |
| 197 | 195 | 7V | 572838 | 6823561 | 1143 |
| 198 | 196 | 7V | 572853 | 6823533 | 1165 |
| 199 | 197 | 7V | 572853 | 6823533 | 1166 |
| 200 | 198 | 7V | 572865 | 6823529 | 1174 |
| 201 | 199 | 7V | 572864 | 6823522 | 1183 |
| 202 | 200 | 7V | 572865 | 6823520 | 1185 |
| 203 | 201 | 7V | 572887 | 6823521 | 1194 |
| 204 | 202 | 7V | 572891 | 6823515 | 1198 |
| 205 | 203 | 7V | 572899 | 6823513 | 1202 |

Waypoint List

Map Name : Blank Map

Map File :

Datum : NAD83

Waypoint File : C:\OziExplorer\Data\2017-7 kelli

Waypoint List continued

| Num | Name | Zone | Easting | Northing | Alt(m) | Description |
|-----|------|------|---------|----------|--------|-------------|
| 206 | 204 | 7V | 572903 | 6823511 | 1204 | |
| 207 | 205 | 7V | 572929 | 6823490 | 1220 | |
| 208 | 206 | 7V | 572886 | 6823404 | 1234 | |
| 209 | 207 | 7V | 572821 | 6823473 | 1185 | |
| 210 | 208 | 7V | 572773 | 6823516 | 1147 | |
| 211 | 209 | 7V | 572650 | 6823406 | 1168 | |
| 212 | 210 | 7V | 572644 | 6823391 | 1170 | |
| 213 | 211 | 7V | 572721 | 6823385 | 1172 | |
| 214 | 212 | 7V | 572759 | 6823379 | 1191 | |
| 215 | 213 | 7V | 572770 | 6823381 | 1189 | |
| 216 | 214 | 7V | 572772 | 6823376 | 1191 | |
| 217 | 215 | 7V | 572776 | 6823378 | 1203 | |
| 218 | 216 | 7V | 572777 | 6823372 | 1210 | |
| 219 | 217 | 7V | 572785 | 6823363 | 1214 | |
| 220 | 218 | 7V | 572783 | 6823365 | 1215 | |
| 221 | 219 | 7V | 572800 | 6823346 | 1229 | |
| 222 | 220 | 7V | 572816 | 6823330 | 1236 | |
| 223 | 221 | 7V | 572824 | 6823322 | 1240 | |
| 224 | 222 | 7V | 572827 | 6823317 | 1243 | |
| 225 | 223 | 7V | 572854 | 6823297 | 1259 | |
| 226 | 224 | 7V | 572903 | 6823250 | 1290 | |
| 227 | 225 | 7V | 572894 | 6823230 | 1295 | |
| 228 | 226 | 7V | 572899 | 6823210 | 1303 | |
| 229 | 227 | 7V | 572864 | 6823230 | 1284 | |
| 230 | 228 | 7V | 572856 | 6823242 | 1276 | |
| 231 | 229 | 7V | 572842 | 6823250 | 1268 | |
| 232 | 230 | 7V | 572826 | 6823267 | 1265 | |
| 233 | 231 | 7V | 572803 | 6823276 | 1255 | |
| 234 | 232 | 7V | 572750 | 6823305 | 1224 | |
| 235 | 233 | 7V | 572728 | 6823304 | 1208 | |
| 236 | 234 | 7V | 572728 | 6823224 | 1214 | |
| 237 | 235 | 7V | 572730 | 6823272 | 1203 | |
| 238 | 236 | 7V | 572747 | 6823232 | 1224 | |
| 239 | 237 | 7V | 572746 | 6823232 | 1224 | |
| 240 | 238 | 7V | 572753 | 6823222 | 1236 | |
| 241 | 239 | 7V | 572764 | 6823204 | 1244 | |
| 242 | 240 | 7V | 572765 | 6823194 | 1245 | |
| 243 | 241 | 7V | 572770 | 6823188 | 1253 | |
| 244 | 242 | 7V | 572780 | 6823177 | 1260 | |
| 245 | 243 | 7V | 572791 | 6823171 | 1264 | |
| 246 | 244 | 7V | 572781 | 6823158 | 1273 | |
| 247 | 245 | 7V | 572786 | 6823154 | 1269 | |
| 248 | 246 | 7V | 572823 | 6823134 | 1280 | |
| 249 | 247 | 7V | 572829 | 6823129 | 1284 | |
| 250 | 248 | 7V | 572830 | 6823121 | 1291 | |
| 251 | 249 | 7V | 572861 | 6823110 | 1305 | |
| 252 | 250 | 7V | 572871 | 6823072 | 1334 | |
| 253 | 251 | 7V | 572713 | 6822916 | 1292 | |
| 254 | 252 | 7V | 572641 | 6822965 | 1274 | |
| 255 | 253 | 7V | 572640 | 6822968 | 1275 | |
| 256 | 254 | 7V | 572566 | 6823005 | 1252 | |
| 257 | 255 | 7V | 572502 | 6823063 | 1225 | |
| 258 | 256 | 7V | 572608 | 6823309 | 1166 | |
| 259 | 257 | 7V | 572608 | 6823312 | 1166 | |
| 260 | 258 | 7V | 572608 | 6823314 | 1174 | |
| 261 | 259 | 7V | 572609 | 6823308 | 1188 | |
| 262 | 260 | 7V | 572612 | 6823325 | 1198 | |
| 263 | 261 | 7V | 572620 | 6823292 | 1208 | |
| 264 | 262 | 7V | 572604 | 6823242 | 1202 | |
| 265 | 263 | 7V | 572599 | 6823240 | 1197 | |
| 266 | 264 | 7V | 572581 | 6823275 | 1181 | |
| 267 | 265 | 7V | 572582 | 6823277 | 1180 | |
| 268 | 266 | 7V | 572581 | 6823262 | 1184 | |
| 269 | 267 | 7V | 572613 | 6823238 | 1199 | |
| 270 | 268 | 7V | 572612 | 6823238 | 1201 | |
| 271 | 269 | 7V | 572618 | 6823231 | 1205 | |
| 272 | 270 | 7V | 572615 | 6823226 | 1206 | |
| 273 | 271 | 7V | 572601 | 6823200 | 1214 | |
| 274 | 272 | 7V | 572572 | 6823176 | 1209 | |
| 275 | 273 | 7V | 572559 | 6823181 | 1206 | |
| 276 | 274 | 7V | 572542 | 6823193 | 1191 | |
| 277 | 275 | 7V | 572644 | 6823390 | 1134 | |

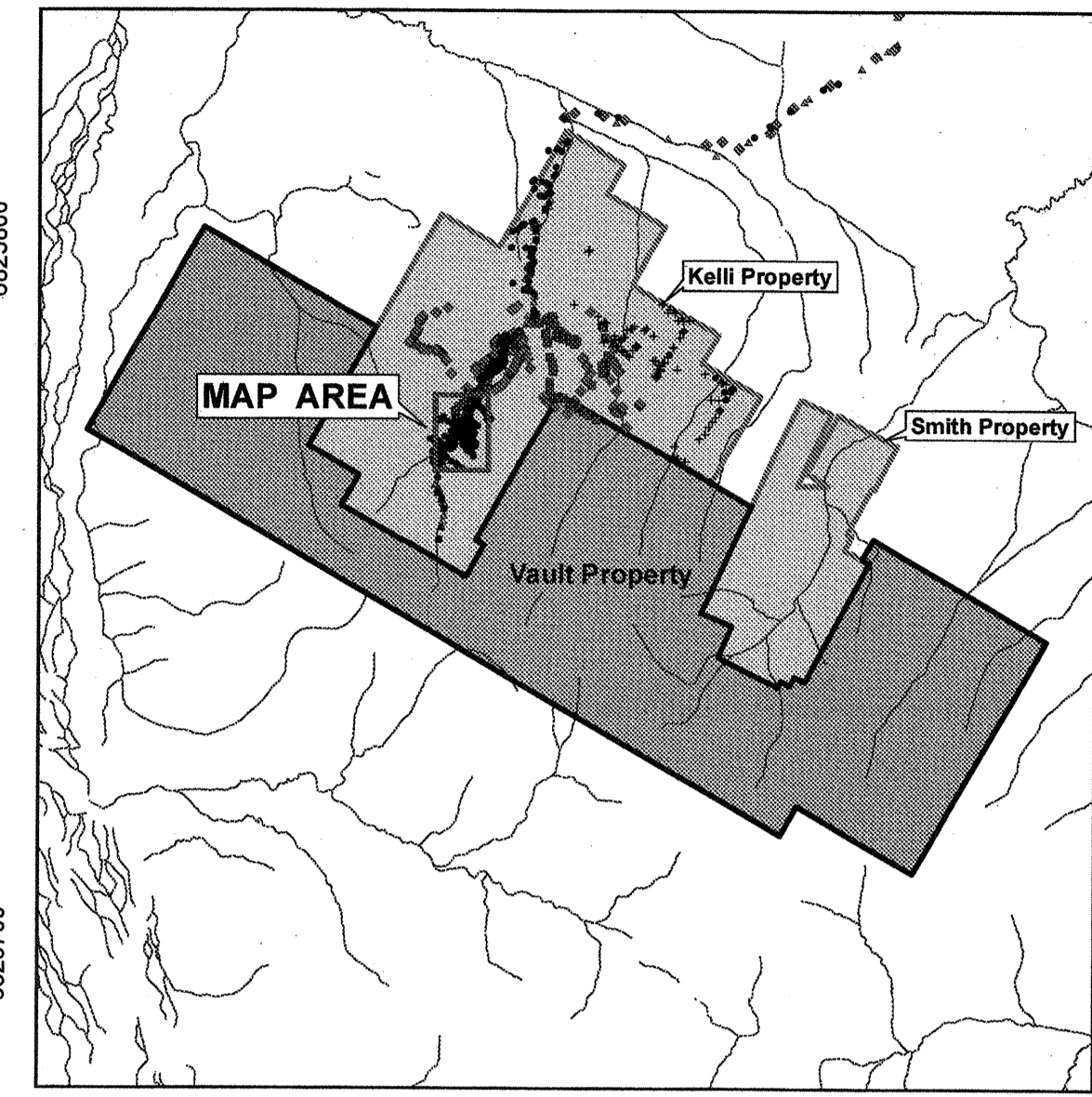
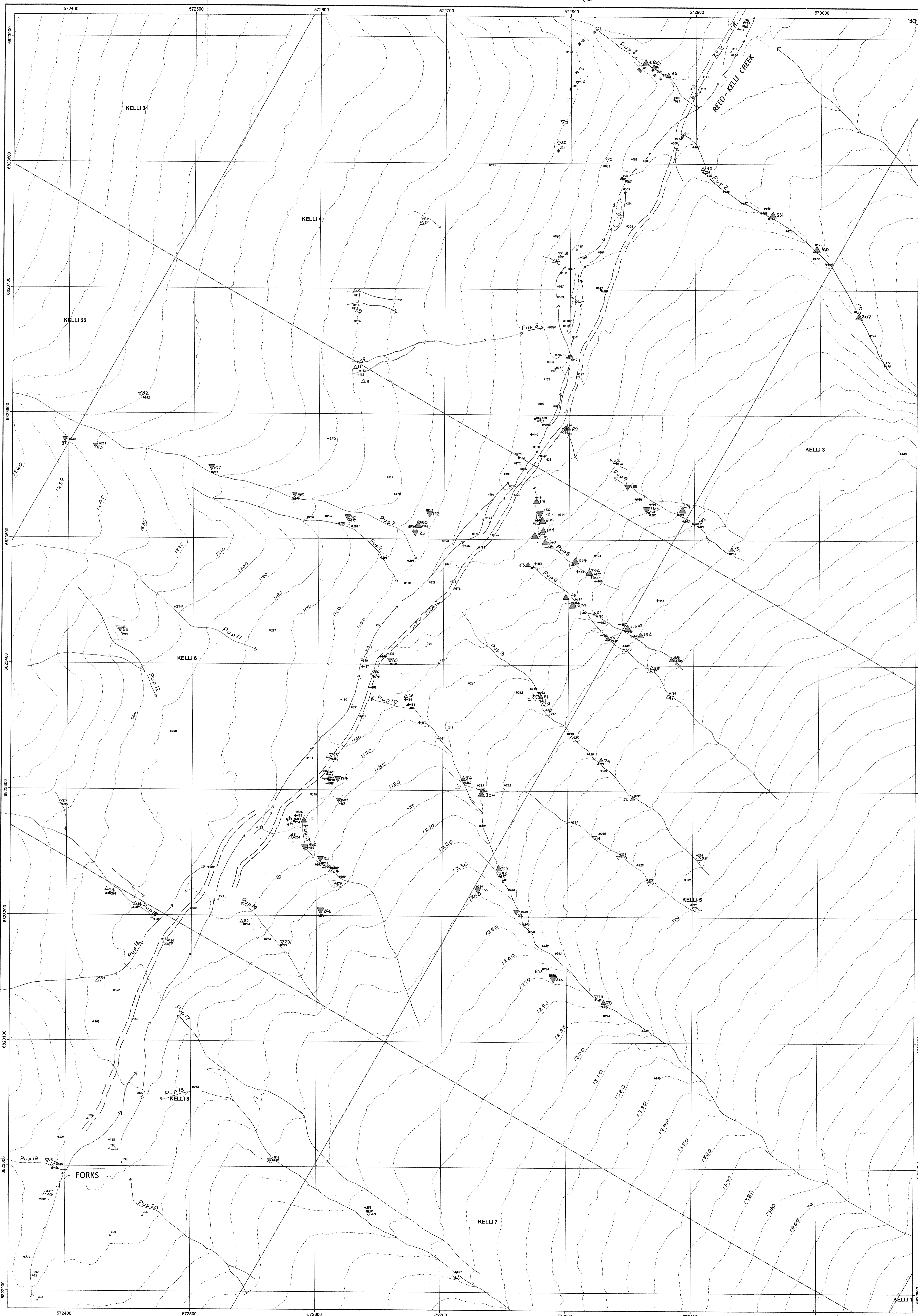
Waypoint List continued

| Num | Name | Zone | Easting | Northing | Alt(m) | Description |
|-----|------|------|---------|----------|--------|-------------|
| 278 | 276 | 7V | 572660 | 6823536 | 1174 | |
| 279 | 277 | 7V | 572625 | 6823514 | 1173 | |
| 280 | 278 | 7V | 572616 | 6823512 | 1180 | |
| 281 | 279 | 7V | 572591 | 6823517 | 1191 | |
| 282 | 280 | 7V | 572580 | 6823532 | 1194 | |
| 283 | 281 | 7V | 572514 | 6823553 | 1214 | |
| 284 | 282 | 7V | 572460 | 6823612 | 1249 | |
| 285 | 283 | 7V | 572425 | 6823575 | 1235 | |
| 286 | 284 | 7V | 572401 | 6823578 | 1246 | |
| 287 | 285 | 7V | 572275 | 6823311 | 1252 | |
| 288 | 286 | 7V | 572340 | 6823282 | 1230 | |
| 289 | 287 | 7V | 572396 | 6823287 | 1220 | |
| 290 | 288 | 7V | 572454 | 6823206 | 1198 | |
| 291 | 289 | 7V | 572470 | 6823197 | 1194 | |
| 292 | 290 | 7V | 572513 | 6823238 | 1188 | |
| 293 | 291 | 7V | 572686 | 6823523 | 1156 | |
| 294 | 292 | 7V | 572627 | 6823510 | 1174 | |
| 295 | 293 | 7V | 572606 | 6823518 | 1180 | |
| 296 | 294 | 7V | 572673 | 6823510 | 1162 | |
| 297 | 295 | 7V | 572672 | 6823483 | 1163 | |
| 298 | 296 | 7V | 572650 | 6823485 | 1164 | |
| 299 | 297 | 7V | 572561 | 6823427 | 1182 | |
| 300 | 298 | 7V | 572483 | 6823346 | 1194 | |
| 301 | 299 | 7V | 572435 | 6823217 | 1200 | |
| 302 | 300 | 7V | 572432 | 6823217 | 1200 | |
| 303 | 301 | 7V | 572427 | 6823150 | 1202 | |
| 304 | 302 | 7V | 572438 | 6823140 | 1200 | |
| 305 | 303 | 7V | 572422 | 6823115 | 1203 | |
| 306 | 304 | 7V | 572354 | 6823144 | 1222 | |
| 307 | 305 | 7V | 572310 | 6823137 | 1238 | |
| 308 | 306 | 7V | 573722 | 6826025 | 862 | |
| 309 | 307 | 7V | 573713 | 6826044 | 860 | |
| 310 | 308 | 7V | 573849 | 6826455 | 833 | |
| 311 | 309 | 7V | 573852 | 6826473 | 833 | |
| 312 | 310 | 7V | 573901 | 6826547 | 830 | |
| 313 | 311 | 7V | 573844 | 6826454 | 835 | |
| 314 | 312 | 7V | 573847 | 6826452 | 835 | |
| 315 | 313 | 7V | 572386 | 6822979 | 1214 | |
| 316 | 314 | 7V | 572368 | 6822927 | 1221 | |
| 317 | 315 | 7V | 572389 | 6822881 | 1227 | |
| 318 | 316 | 7V | 572387 | 6822781 | 1241 | |
| 319 | 317 | 7V | 572388 | 6822588 | 1263 | |
| 320 | 318 | 7V | 572438 | 6822490 | 1277 | |
| 321 | 319 | 7V | 572468 | 6822370 | 1292 | |
| 322 | 320 | 7V | 572432 | 6822115 | 1324 | |
| 323 | 321 | 7V | 572401 | 6821959 | 1348 | |
| 324 | 322 | 7V | 572396 | 6821949 | 1346 | |
| 325 | 323 | 7V | 572390 | 6822998 | 1213 | |
| 326 | 324 | 7V | 572339 | 6823007 | 1228 | |
| 327 | 325 | 7V | 572337 | 6823003 | 1234 | |
| 328 | 326 | 7V | 572326 | 6823017 | 1240 | |
| 329 | 327 | 7V | 572322 | 6823017 | 1242 | |
| 330 | 328 | 7V | 572395 | 6823022 | 1223 | |
| 331 | 329 | 7V | 573689 | 6825096 | 942 | |
| 332 | 330 | 7V | 573710 | 6825018 | 942 | |
| 333 | 331 | 7V | 573657 | 6825627 | 893 | |
| 334 | 332 | 7V | 573653 | 6825591 | 895 | |
| 335 | 333 | 7V | 573610 | 6825485 | 904 | |
| 336 | 334 | 7V | 575550 | 6824478 | 928 | |
| 337 | 335 | 7V | 576179 | 6824169 | 954 | |
| 338 | 336 | 7V | 576303 | 6823968 | 965 | |
| 339 | 337 | 7V | 576331 | 6823864 | 978 | |
| 340 | 338 | 7V | 576244 | 6823712 | 1001 | |
| 341 | 339 | 7V | 576422 | 6824020 | 971 | |
| 342 | 340 | 7V | 576420 | 6824010 | 966 | |
| 343 | 341 | 7V | 573644 | 6825821 | 878 | |
| 344 | 342 | 7V | 573657 | 6825917 | 871 | |
| 345 | 343 | 7V | 573643 | 6825878 | 874 | |
| 346 | 344 | 7V | 573642 | 6825916 | 874 | |
| 347 | 345 | 7V | 573579 | 6825933 | 874 | |
| 348 | 346 | 7V | 573377 | 6825930 | 873 | |
| 349 | 347 | 7V | 573396 | 6826149 | 860 | |

Waypoint List continued

| Num | Name | Zone | Easting | Northing | Alt(m) | Description |
|-----|------|------|---------|----------|--------|-------------|
| 350 | 348 | 7V | 573447 | 6826172 | 859 | |
| 351 | 349 | 7V | 573513 | 6826229 | 856 | |
| 352 | 350 | 7V | 573541 | 6826240 | 855 | |
| 353 | 351 | 7V | 573542 | 6826241 | 855 | |
| 354 | 352 | 7V | 573560 | 6826253 | 854 | |
| 355 | 353 | 7V | 573662 | 6826290 | 851 | |
| 356 | 354 | 7V | 573676 | 6826292 | 852 | |
| 357 | 355 | 7V | 573685 | 6826307 | 852 | |
| 358 | 356 | 7V | 573852 | 6826470 | 834 | |
| 359 | 357 | 7V | 573833 | 6826635 | 824 | |
| 360 | 358 | 7V | 573809 | 6826642 | 825 | |
| 361 | 359 | 7V | 573786 | 6826644 | 825 | |
| 362 | 360 | 7V | 573765 | 6826654 | 826 | |
| 363 | 361 | 7V | 573698 | 6826753 | 823 | |
| 364 | 362 | 7V | 573671 | 6826842 | 821 | |
| 365 | 363 | 7V | 573697 | 6826863 | 817 | |
| 366 | 364 | 7V | 573803 | 6826842 | 820 | |
| 367 | 365 | 7V | 573876 | 6826813 | 819 | |
| 368 | 366 | 7V | 573908 | 6826678 | 825 | |
| 369 | 367 | 7V | 573912 | 6826684 | 824 | |
| 370 | 368 | 7V | 573880 | 6827260 | 802 | |
| 371 | 369 | 7V | 574003 | 6827285 | 804 | |
| 372 | 370 | 7V | 574067 | 6827249 | 804 | |
| 373 | 371 | 7V | 574151 | 6827375 | 799 | |
| 374 | 372 | 7V | 595011 | 7077441 | 540 | |
| 375 | 373 | 7V | 594690 | 7077382 | 545 | |
| 376 | 374 | 7V | 594896 | 7077346 | 539 | |
| 377 | 375 | 7V | 594773 | 7077375 | 526 | |
| 378 | 376 | 7V | 594667 | 7077314 | 522 | |
| 379 | 377 | 7V | 594635 | 7077251 | 520 | |
| 380 | 378 | 7V | 594618 | 7077206 | 520 | |
| 381 | 379 | 7V | 594670 | 7077181 | 526 | |
| 382 | 380 | 7V | 594602 | 7077184 | 519 | |
| 383 | 381 | 7V | 594639 | 7077153 | 518 | |
| 384 | 382 | 7V | 594599 | 7077144 | 518 | |
| 385 | 383 | 7V | 594580 | 7077117 | 519 | |
| 386 | 384 | 7V | 594567 | 7077094 | 519 | |
| 387 | 385 | 7V | 594619 | 7077045 | 524 | |
| 388 | 386 | 7V | 594649 | 7077072 | 520 | |
| 389 | 387 | 7V | 594667 | 7077101 | 518 | |
| 390 | 388 | 7V | 594429 | 7077047 | 544 | |
| 391 | 389 | 7V | 594406 | 7076920 | 531 | |
| 392 | 390 | 7V | 594342 | 7076725 | 518 | |
| 393 | 391 | 7V | 594761 | 7077723 | 511 | |
| 394 | 392 | 7V | 594739 | 7077731 | 544 | |
| 395 | 393 | 7V | 594737 | 7077916 | 548 | |
| 396 | 394 | 7V | 594741 | 7077985 | 549 | |
| 397 | 395 | 7V | 594754 | 7078040 | 549 | |
| 398 | 396 | 7V | 594759 | 7078049 | 550 | |
| 399 | 397 | 7V | 594871 | 7077821 | 554 | |
| 400 | 398 | 7V | 594874 | 7077815 | 554 | |
| 401 | 399 | 7V | 594864 | 7077782 | 553 | |
| 402 | 400 | 7V | 594863 | 7077782 | 553 | |
| 403 | 401 | 7V | 594871 | 7077778 | 554 | |
| 404 | 402 | 7V | 594860 | 7077936 | 561 | |
| 405 | 403 | 7V | 594862 | 7078049 | 557 | |
| 406 | 404 | 7V | 594863 | 7078169 | 547 | |
| 407 | 405 | 7V | 594863 | 7078169 | 547 | |
| 408 | 406 | 7V | 594817 | 7078085 | 548 | |
| 409 | 407 | 7V | 594754 | 7078043 | 552 | |
| 410 | 408 | 7V | 594751 | 7078060 | 551 | |
| 411 | 409 | 7V | 594760 | 7078150 | 550 | |
| 412 | 410 | 7V | 594764 | 7078182 | 552 | |
| 413 | 411 | 7V | 594849 | 7077619 | 548 | |

Map Feature Waypoints

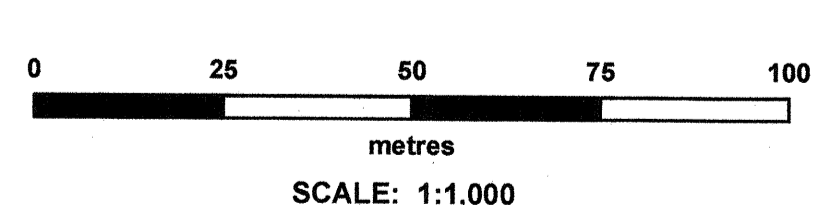
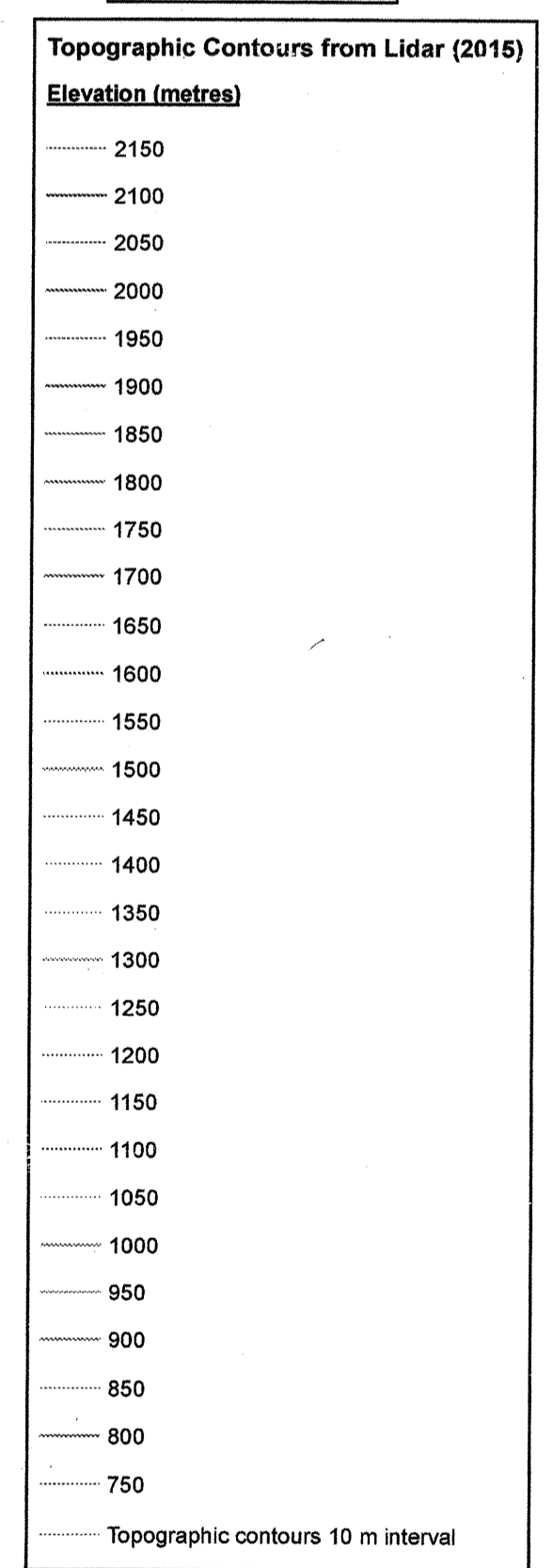


LEGEND

- Kelli Geochemical Soil and Silt Sampling**
- Silt analysis for gold (ppb)**
- ▲ >200
 - ▲ >100 to <200
 - ▲ >50 to <100
 - △ 0 to <50
- Soil analysis for gold (ppb)**
- ▼ >200
 - ▼ >100 to <200
 - ▼ >50 to <100
 - ▽ 0 to <50

LEGEND

| Waypoint | Year |
|----------|------|
| ● | 2017 |
| + | 2016 |
| • | 2015 |
| ◆ | 2014 |
| ▲ | 2011 |



KELLI PROPERTY

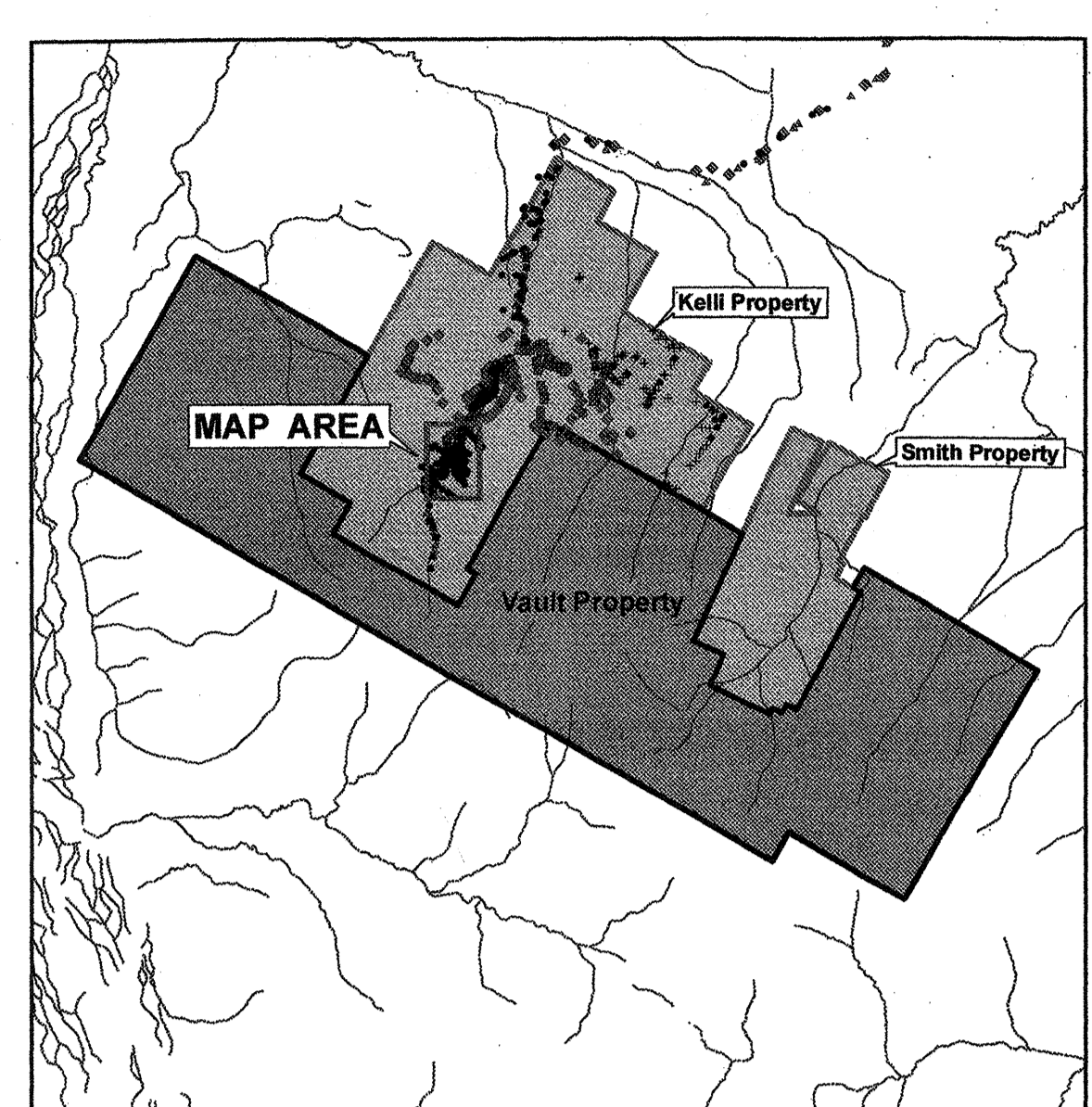
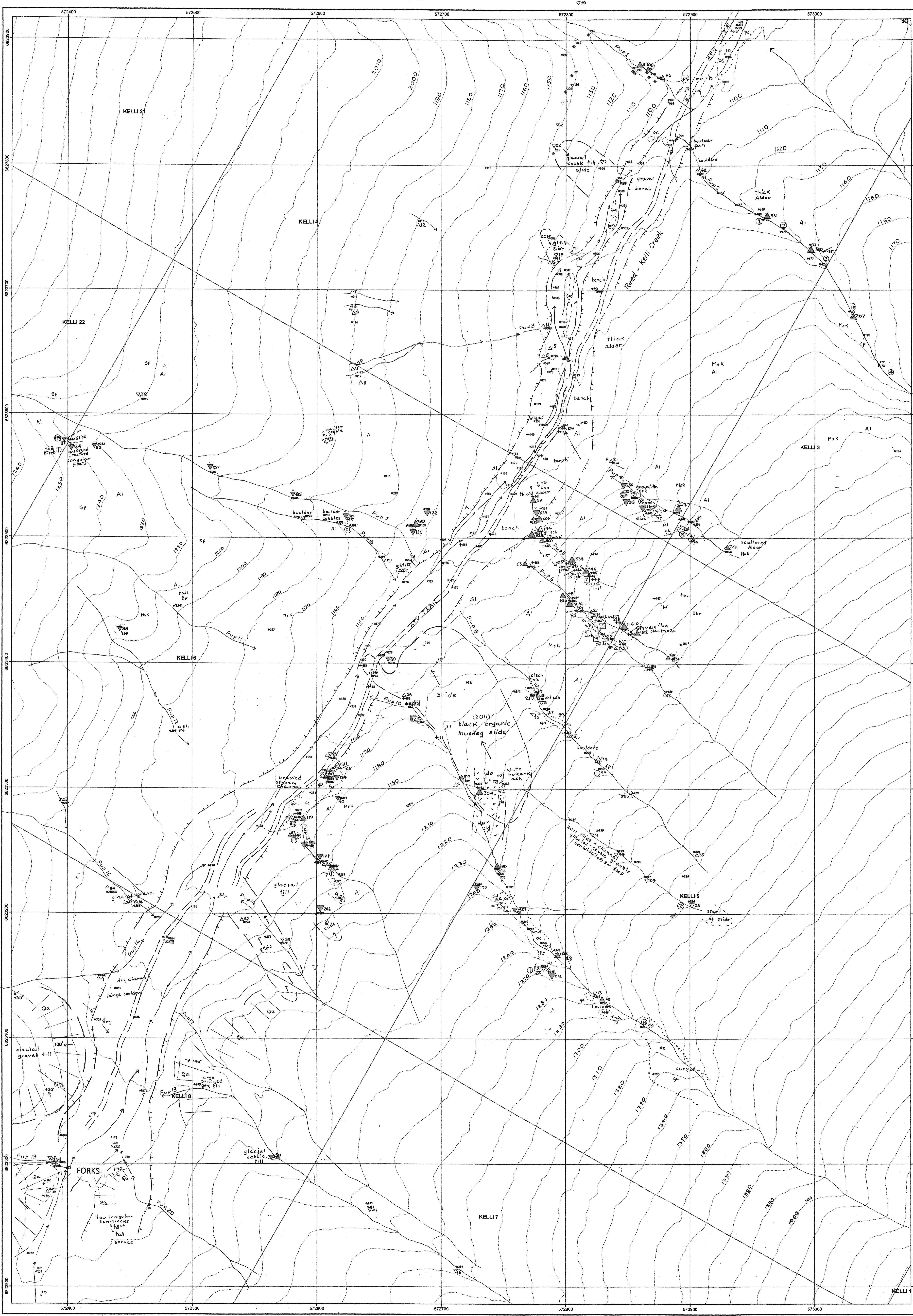
Whitehorse Mining Division
Donjek River - Reed Creek Area
YUKON

Waypoints 2011 to 2017

MAP 2 / 2018

Map Projection: UTM Zone 7
Datum: NAD 83

N.T.S. Mapsheet: 115 G12 BY: Gordon Guthrie geologist, P. Eng.
DATE: OCTOBER 18, 2017 File: Vault_Reed_Cr_Kelli_Waypoints_2011-17_Oct2017_v2.mxd
FIGURE: BASE MAP DRAFTED BY: Javorshi Mapping & GIS



LEGEND

- Kelli Geochemical Soil and Silt Sampling**
- Silt analysis for gold (ppb)**
- ▲ >200
 - ▲ >100 to <200
 - ▲ >50 to <100
 - △ 0 to <50
- Soil analysis for gold (ppb)**
- ▼ >200
 - ▼ >100 to <200
 - ▼ >50 to <100
 - ▽ 0 to <50

| Waypoint | Year |
|----------|------|
| ● | 2017 |
| + | 2016 |
| • | 2015 |
| ◆ | 2014 |
| ▲ | 2011 |

The interpretation of the geology was aided by field work by T. Bremner, 1991, J. Gotsinger, 1998, J. Paulter, 2001, S. Israel and D. van Zyl/Yukon Geological Survey and J. Morton, Strategic Metals Ltd.

Intrusive Rocks
The layered rocks are intruded by dikes and sills of Oligocene to Miocene age (date of 23 Ma, ref. Bremner, 1991). Both Gotsinger and Bremner agree that this intrusive is a feldspar hornblende porphyry. The writer mapped the intrusives as two separate rock types.

dd light orange weathering dacite dike, fine grained to aphanitic with an absence of porphyroblastic texture. In the fresh, fine grained dacite crystalline hornblende "blades" make up 1% to 2% of the ground mass (this intrusive unit was not found in the 2017 map area between the Upper Canyon and the Forks)

fp di grey to light cream-orange colour with subhedral medium grained feldspar phenocrysts in an aphanitic to fine grained feldspar rich ground mass, less than 1% fine grained pyrite and very little magnetite, blocky coarse jointing. All diorite: this intrusive occurs as dikes in numerous locations throughout the Kelli Claim Group as well as the area mapped in 2017. It is fine to medium grained, grey, equal mafic and plagioclase and usually not porphyritic.

gs (L.R.K2) Maple Creek gabbro after Israel, S. and van Zyl, D. 2004)
dark grey-brown, massive to moderately foliated, fine grained pyroxene 30% to 40% in a fine grained plagioclase groundmass. Fine grained disseminated pyrite 2% to 4%, fine to medium grained pyrrhotite in one outcrop area. No magnetite. (This rock type was originally mapped as andesite.)

Stratigraphy (2017 Map Area 1)

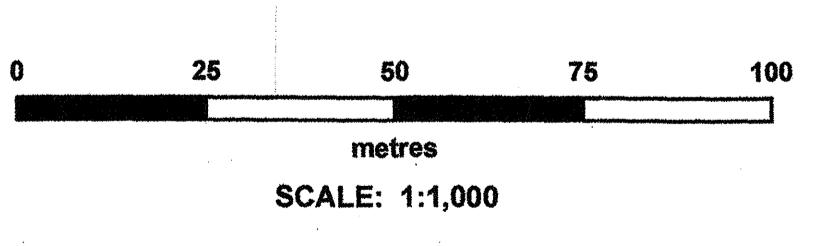
gs dark brown andesite often foliated to a chloritic schist with fine pyrite 1% to 5% in thin discontinuous quartz veins. Magnetite very low to nil.

pc light grey to black (carbonaceous) commonly finely bedded, complex folded phylitic carbon limestone (Upper Canyon - south end of 2017 map area).

bgsl black graphitic phylitic, argillaceous-carbonaceous, thin discontinuous quartz veining parallel schistosity-fine grained disseminated pyrite 2% - 5%. (Typical location is at the outlet of the Low Canyon but small outcrops were noted in two creek channels at the base of the slope of the east-south of the valley.)

- ① 2016 rock specimen
- ② 2017 rock specimen
- ③ 2017 rock analysis
- oc outcrop
- gr graphitic schist
- chl sch chlorite schist
- py pyrite
- pyr pyrrhotite

- Msk muskeg
- Al alder
- bbr buckbrush
- W willow



KELLI PROPERTY

Whitehorse Mining Division
Donjek River - Reed Creek Area
YUKON

Waypoints 2011 to 2017

MAP 1/2018

Map Projection: UTM Zone 7

N.T.S. Mapsheet: 115 G/12 BY: Gordon Guthrie geologist, P. Eng.

DATE: OCTOBER 18, 2017 File: Vault_Reed_Cr_Kelli_Waypoints_2011-17_Oct2017_1h_v2.mxd

FIGURE: BASE MAP DRAFTED BY: Javoriski Mapping & GIS