



## ASSESSMENT REPORT TITLE PAGE AND SUMMARY

TITLE OF REPORT: 2019 GEOCHEMICAL ASSESSMENT REPORT ON THE TRAIL PEAK  
PROPERTY

TOTAL COST: \$19076.70

AUTHOR(S): Lindinger, Leopold

SIGNATURE(S): *Leopold J. Lindinger*

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): MX-4-615, 2011.  
STATEMENT OF WORK EVENT NUMBER(S)/DATE(S): 5773679, Feb 10, 2020

YEAR OF WORK: 2019

PROPERTY NAME: TRAIL PEAK

CLAIM NAME(S) (on which work was completed): 1038356, 1041947

COMMODITIES SOUGHT: COPPER, GOLD, SILVER

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: 093M-011

MINING DIVISION: OMENICA

NTS / BCGS: 093M08W

LATITUDE: 55° 25'

LONGITUDE: 126° 20' (at centre of work)

UTM Zone: 9U EASTING: 668400 NORTHING: 6143800

OWNER(S): RICHARD J. BILLINGSLEY

MAILING ADDRESS: 11114 147A ST. SURREY, BC, CANADA, V3R 3W2

OPERATOR(S) [who paid for the work]: RICHARD J. BILLINGSLEY

MAILING ADDRESS: AS ABOVE

REPORT KEYWORDS Babine Intrusion, Newman Formation, Ashman Formation, porphyry copper

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS:  
1672, 5706, 19557, 22719, 24783, 30159, 30686

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (in metric units)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOCHEMICAL (number of samples analysed for ...)	63 6 KM	1038356, 1041947	14076.70
Soil			
Silt	6 1 KM	1038356,	3000
Rock			
MOSS MAT	2 250 M	1041947	1000
PROSPECTING (scale/area)	1:5000		1000
		<b>TOTAL COST</b>	19076.70

# **GEOCHEMICAL ASSESSMENT REPORT**

on the  
TRAIL PEAK PROPERTY

OMINECA MINING DIVISION  
BRITISH COLUMBIA, CANADA

NTS MAP SHEET 093M/08W

55°25' North Latitude and 126°20' West Longitude

## **OWNER and OPERATOR:**

**Richard J. Billingsley,**  
FMC 139085

Title #s: 549962, 1038356, 1041947

SOW 5773679  
February 10, 2020

April 23, 2020  
Amended October 1, 2020

Prepared by:

Leopold J. Lindinger, P.Geo

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## SUMMARY

The Trail Peak Property (the “Property”) is owned by Richard J. Billingsley of Surrey, B.C. Leopold J. Lindinger of Renaissance Geoscience Services Inc (RGSI) has prepared this Assessment Report (the “Report”) to provide a summary of scientific and technical data on the Trail Peak (Cu-Au) Property, including historic and recent exploration activities.

This report is based on exploration and property information and from a review of public domain geological and exploration data for the Property (primarily BC Assessment Reports), incorporation of relevant mining and geological literature and data generated by a September 2019 programme consisting of soils, silts and rocks sampling and prospecting surveys.

The property was worked on from September, 06 to 07, 2019.

The Trail Peak Property is located approximately 90 km northeast of Smithers, British Columbia, Canada, in the Omineca Mining Division, at 55°25' N and 126°20' W (NAD83, Zone 9; 668800 m E and 6144120 m N). The Property currently consists of 4 MTO mineral claims covering approximately 294 hectares. It partially protects the Trail Peak Minfile Occurrence 083M011.

The Town of Smithers, located about 90 km southwest of the Property, is the nearest significant population centre with about 5,500 people. Other close population centres are Granisle (approximately 60 km southwest of the Property with approximately 300 people) and Topley (approximately 100 km south of the Property with approximately 120 people). The workforce in the area is generally employed by the forestry and tourism industries. As many as 230 people work at the Huckleberry Mine live in the Houston area. People in the area are generally supportive of potential mining employment and a local supply of unskilled labour is readily available.

The Granisle Highway and a high-tension electric transmission line were originally built to service the Town of Granisle; and the Bell Cu and Granisle Cu-Au-Ag mines. These mines operated from 1972-1992 and 1966-1982, respectively. Some of the mining infrastructure is still located on the Bell Cu mine site.

A summary of work completed by in previous years on the Property are shown below.

Year	Company	Exploration Activity
1968-1975	Texas Gulf Sulphur Company	EM Survey Mag Survey Geochemical Survey-Soil Trenching- 3600 m Drilling-12 long, 10 short holes Prospecting
1975	Texasgulf Inc.	Drilling-2 holes
1989-1995	N. Carter and Teck Exploration Inc.	Mapping Rock Sampling Re-sampling of old drill core
1996	Hera Resources	IP Survey Mag Survey Geochemical Survey-Soil
2007	NXA Inc.	Line cutting Geochemical Survey-Soil
2009	NXA Inc.	Geophysical Survey Soil Geophysical IP

The Trail Peak Property is located in Intermontane Belt of British Columbia on the Stikine volcanic arc Terrane. The terrane consists of the Asitka Group, Takla Group, and Hazelton Group. Post-accretionary rocks overlying the Stikine terrane include the Late Jurassic Bowser Lake and the Early Cretaceous Skeena Groups (fluvial and deltaic sedimentary rocks) in the northwest; the Late Cretaceous to Early Eocene Kasalka Group (porphyritic andesite, basalt, rhyolite and related pyroclastic rocks) and the Bulkley plutonic suite in the west. In the Babine Lake area where the Trail Peak Property is located, the Early Eocene Newman Formation volcanic rocks overlie Stikine Terrane rocks which are also cut by Eocene age Babine Igneous Suite plutons. The Ashman Formation, consisting mainly of fine-grained shale of the Bowser Lake Group is cut by Babine Igneous Suite dykes and hosts the porphyry copper-style mineralization at the Trail Peak Property. Eocene Babine Igneous Suite is described as small plugs and dykes of crowded biotite ±hornblende feldspar porphyry, quartz±biotite feldspar porphyry and equigranular hornblende-biotite granodiorite to quartz diorite. They occur as multi-phased intrusive centres along a northwest trending belt that extends from the south in the Fulton Lake area and to the north to Trail Peak.

The area of the Skeena Arch is one of the best mineralized areas of British Columbia. It hosts a plethora of deposit types including polymetallic base and precious metal veins, porphyry, epithermal and skarn deposits; sedimentary exhalative (“SEDEX”) and volcanogenic massive sulphide (“VMS”) deposit types.

The Trail Peak prospect appears to be the northern-most exposed Babine Porphyry copper mineralized intrusion in the Belt. Several notable examples of Babine Porphyry deposits include the Granisle and Bell Porphyry deposits totaling ~ 130 MT of 0.40% Cu, 0.15 g/t Au and 0.75 g/t Ag as well as the Morrison Deposit which has ~86 MT of 0.45% Cu and 0.26 g/t Au.

The 2019 field programme on the Property totalling \$19077 in exploration expenditures, began on September 06, 2019 and was completed on September 07, 2019. The program included approximately 6 km of geochemical soil survey, 1 km of rock sampling-prospecting and 2 moss mat samples.

The geochemical surveys confirmed multi element Cu plus indicator element soil geochemical anomaly coinciding with previously defined soil, ground magnetic and chargeability high within a drift covered area west of the main Trail Peak zone, and on the East Target a zinc anomaly. Both anomalies are interpreted to represent parts of the distal metal signature of buried porphyry copper deposits of unknown size and grade. For the western anomaly, a drill programme is recommended. This programme should consist of a minimum of 2,000 m (ten 200 m drill holes). The estimated cost to complete the 2,000 m programme is \$500,000.

Prospecting and mapping should also be completed over the eastern zinc target. An estimated field budget of approximately \$20,000 is recommended.

## **1.0 INTRODUCTION AND TERMS OF REFERENCE**

### **1.1 Introduction**

This Report is based on public domain geological and exploration data for the Property (primarily BC Assessment Reports), relevant mining and geological literature and data generated by the 2019 field programme consisting of soils, silts and rock sampling and prospecting.

### **1.2 Terminology and Units**

The Metric System or SI System is the primary system of measure used in this Report with distance generally expressed in kilometres (km), metres (m) and centimetres (cm), volume expressed as cubic metres (m<sup>3</sup>), and mass expressed as metric tonnes (t). Conversions from the SI or Metric System to the Imperial System are provided below and quoted where practical. Many of the geologic publications and more recent work assessment files now use the SI system but older work assessment files almost exclusively refer to the Imperial System.

Conversion factors utilized in this report include: 1 troy ounces/ton = 34.29 gram/tonne; 0.029 troy ounces/ton = 1 gram/tonne; 1 troy ounces/ton = 31.1035 gram/ton; 0.032 troy ounces/ton = 1 gram/ton; 1 gram = 0.0322 troy ounces; 1 troy ounce = 31.104 grams; 1 pound = 0.454 kilogram. 1 foot = 0.3048 metres; 1 mile = 1.609 kilometres; 1 acre = 0.405 hectares; and, 1 sq mile = 2.59 square kilometres. The term gram/tonne or g/t is expressed as “gram per tonne” where 1 gram/tonne = 1 ppm (part per million) = 1000 ppb (part per billion). Other abbreviations include ppb = parts per billion; ppm = parts per million; opt or oz/t = ounce per short ton; Moz = million ounces; Mt = million tonne; t = tonne (1000 kilograms); SG = specific gravity.

Dollars are expressed in Canadian Dollar currency (CAD\$) unless otherwise noted. Gold (Au) and silver (Ag) are stated in US\$ per troy ounce (US\$/oz). Gold and silver values are reported as grams per tonne (ppm) symbolized g/t or troy ounces per short ton.

Unless otherwise mentioned, all Universal Transverse Mercator (UTM) coordinates in this Report are provided in the datum of Canada, NAD83 Zone 9.

### **1.3 RGSi Qualifications**

Renaissance Geoscience Services Inc. (RGSi) is an international consulting company based in Kamloops, British Columbia, Canada. RGSi provides a wide range of geological services to the mineral industry.

RGSi’s mandate is to provide professional geological services to the mineral exploration and development industry at competitive rates and without compromise. RGSi services that include:



1. Exploration Project Generation, Design and Management
2. Data Compilation and Exploration Target Generation
3. Property Evaluation and Due Diligence Studies
4. Independent Technical Reports (43-101)/Competent Persons' Reports
5. Mineral Resource Modelling and Estimation
6. 3D Geological Modelling, Visualization and Database Management

Authoring this Report is Mr. Leopold J. Lindinger, P.Geo., owner of RGSI. Mr. Lindinger is a geologist in good standing with the Association of Professional Engineers and Geoscientists of British Columbia (APEGBC #19155) and has been for 28 years. Mr. Lindinger has 40 years experience in the mineral exploration industry as an exploration and mine geologist, and has written or co-written numerous property review reports, work assessment reports and NI43-101 compliant Independent Technical Reports. Certificate of the Author applicable for assessment reports is presented in Appendix 1.

## 2.0 PROPERTY LOCATION AND DESCRIPTION

### 2.1 Location

The Property is located approximately 90 km northeast of Smithers, British Columbia, Canada in the Omineca Mining Division, at 55°25' N and 126°20' W (NAD83, Zone 9: 668800 m E and 6144120 m N; Figures 2-1 and 2-2).

### 2.2 Description and Ownership

The Trail Peak Property consists of 3 contiguous mineral claims covering an area of approximately 5,287 hectares (Table 2-1; Figure 2-2).

Title Number	Claim Name	Owner	Issue Date	Good To Date	Status	Area (ha)
549962		139085 (100%)	2007/JAN/21	2025/JUL/31	GOOD	18.365
1036523	TRAIL PEAK 2	139085 (100%)	2015/JUN/03	2020/DEC/06	PROTECTED	18.3651
1038356	TRAIL PEAK	139085 (100%)	2015/SEP/03	2025/JUL/31	GOOD	73.475
1041947	TRAIL PEAK 1	139085 (100%)	2016/FEB/11	2025/JUL/31	GOOD	183.6894
					TOTAL AREA	293.895

**Table 2-1. List of the mineral claims that comprise the Trail Peak Property.**

- New expiry date once work applied from 2019 programme has been accepted

The entire area covered by the Property is Crown Land and as such landowner permission to access the area is not required.

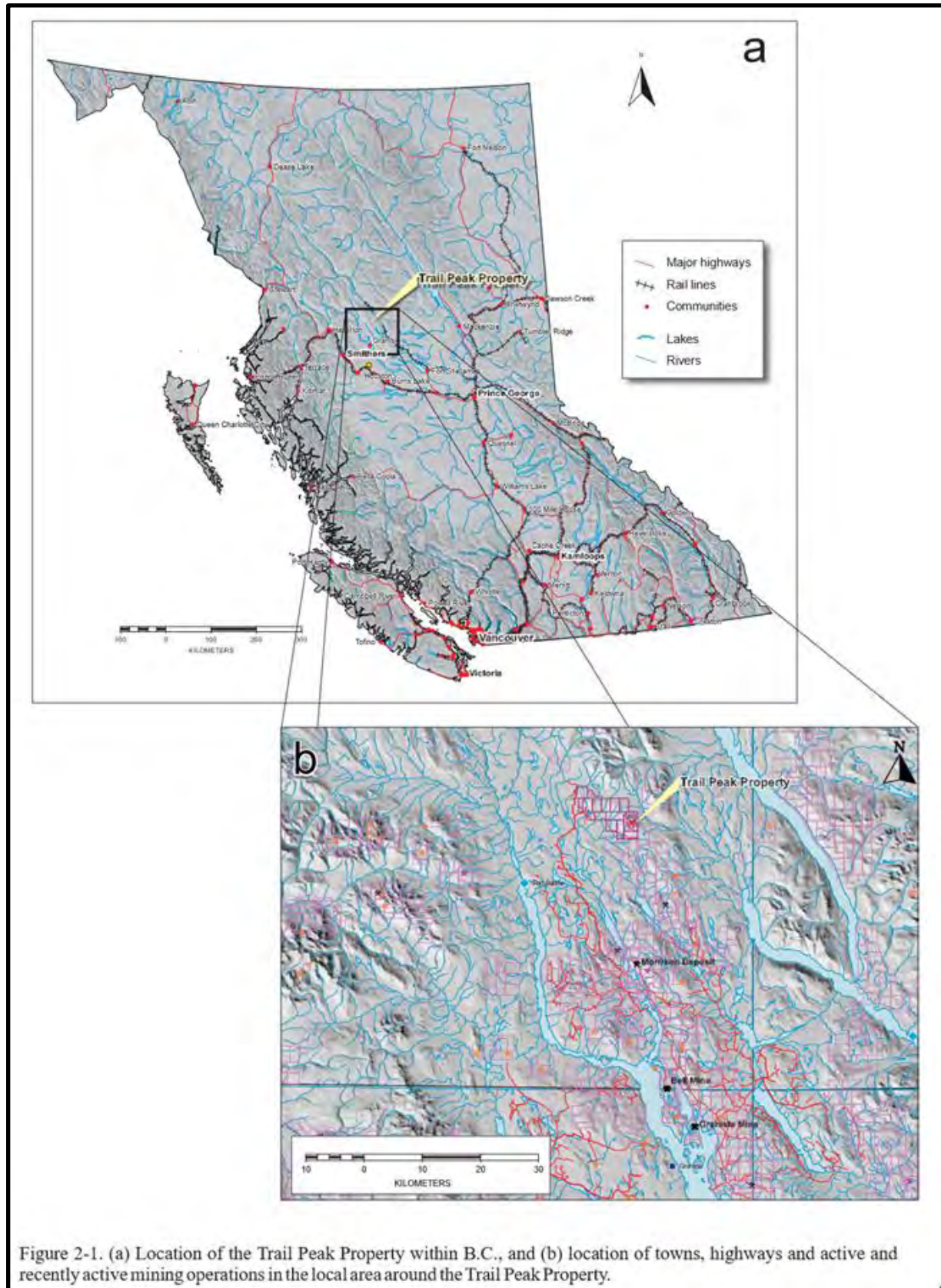
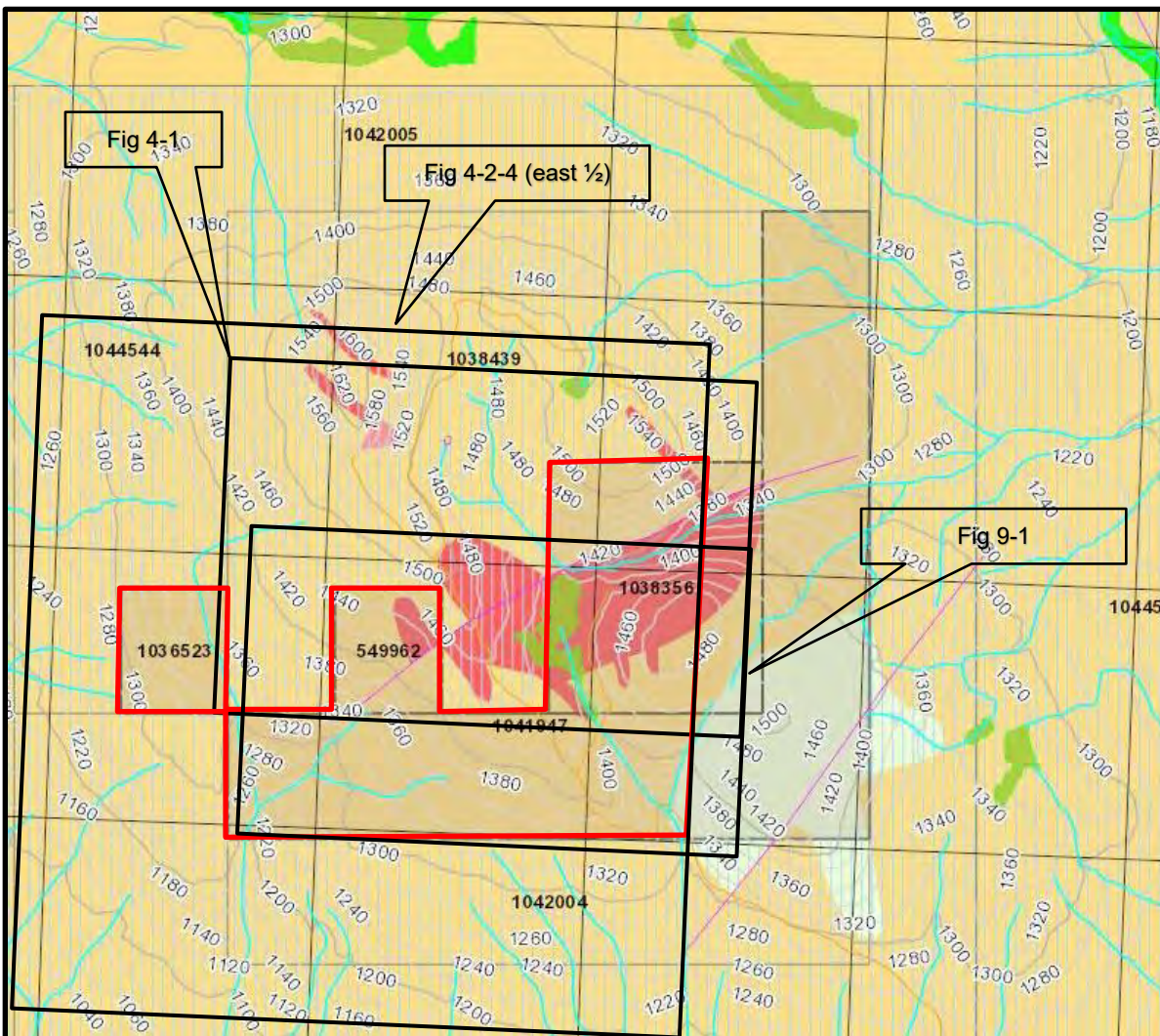


Figure 2-1. (a) Location of the Trail Peak Property within B.C., and (b) location of towns, highways and active and recently active mining operations in the local area around the Trail Peak Property.

**Figure 2-1. (a) Location of the Trail Peak Property within B.C., and (b) location of towns, highways and active and recently active mining operations in the local area around the Trail Peak Property.**



**Figure 2-2. Mineral Tenures and Report Figures Index Plan of the Trail Peak Property.**  
 Light grey solid tenures owned by Billingsley, light grey vertical hatched owned Amarc Resources Ltd.  
 Also showed is property area topography, streams 1 km UTM grid and government geology.

### 3.0 ACCESSIBILITY, PHYSIOGRAPHY AND INFRASTRUCTURE

#### 3.1 Access

The Property is located approximately 90 km northeast of Smithers BC, at approximately at 55°25' N and 126°20' W (NAD83, Zone 9: 668800 m E and 6144120 m N; Figures 2-1 and 2-2) on National Topographic System (“NTS”) map sheets 93M/08 W (Figure 2-1). It is about 45 km north of the Bell Copper Mine and within an area of active logging which extends northeast of Morrison Lake to the south and into the Nilkitwa River valley north of the claims. Vehicle access to the Property is via the Granisle Highway #118, from the Yellowhead Highway #16 at the Town of Topley. Approximately 45 km north of the town of Topley, and just a few kilometres north of Topley Landing, is the turnoff to the ferry to cross Babine Lake. The ferry is operated by a forestry-based private company. On the northeastern side of Babine Lake, a series of logging roads provides access to the western portion of the claims. A historical cat trail can be used as a very rough and currently overgrown 4x4 road to access

the area of the 2019 work program. Access for the 2019 was provided by helicopters based out of Smithers, and an out a 45 minute one way trip using an Astar 350.

Trail Peak is immediately north of the historic Hudson's Bay trail linking Hazelton with the Omineca gold fields, and this route has been used in the past to walk bulldozers into the area from Fort Babine. A power line between Fort Babine and Takla Landing essentially parallels this route. All services required for any exploration programme or more advanced development work is readily available in Smithers, located about 90 km to the southwest. Recent logging roads provide road/trail access to within 4 km of the Property and trails can be established to take heavy machinery and drills into the Property.

### **3.2 Physiography**

The Trail Peak Property is located on the Nechako Plateau at an elevation of approximately 1,300 m above sea level (“ASL”). The terrain in the Nechako Plateau is hilly with elevations ranging from approximately 1,000 m to 1,500 m ASL; however, the Skeena Range, located about 5 km north of Trail Peak, is mountainous with elevations up to 1,700 m AMSL.

### **3.3 Infrastructure and Local Resources**

The Town of Smithers, located about 90 km southwest of the Property, is the nearest significant population centre with about 5,500 people. Services in Smithers include hospital and medical facilities, dentists, pharmacy, restaurants, grocery stores, hotels, service stations and major automobile dealerships, banks, building supply centers and other small businesses. Other close population centres are Granisle (approximately 60 km southwest of the Property with approximately 300 people) and Topley (approximately 100 km south of the Property with approximately 120 people).

The workforce in the area is generally employed by the forestry and tourism industries. As many as 230 people work at the Huckleberry Mine live in the Houston area. People in the area are generally supportive of potential mining employment and a local supply of unskilled labour is readily available.

Currently, three operating or dormant mines are found in the region:

1. Huckleberry, Cu-Mo, Au Porphyry Mine: operated by Imperial Metals Corp., is approximately 123 road kilometres from Houston or 153 km from Topley. Most of its work force lives in the Bulkley Valley communities’ of Houston, Smithers, Topley and Burns Lake.
2. Endako Mo Porphyry Mine: approximately 100 km east-southeast of Topley and serviced by the towns of Fraser Lake and Prince George, BC.
3. Mt. Milligan Cu-Au porphyry mine 90 kilometres NW of Prince George and operated by Centerra Gold.

These mining operations have operating mills and ship most of their concentrates through the deep water port in Stewart, BC, located approximately 400 km west-northwest of Topley, along paved roads, to smelters in Asia.

The Granisle Highway and a high-tension electric transmission line were originally built to service the Town of Granisle, located approximately 60 km south of the Property: and the Bell Cu and Granisle Cu-Au-Ag mines. These mines operated from 1972-1992 and 1966-1982, respectively. Some of the mining infrastructure still exists on the Bell Cu mine site.

## 4.0 EXPLORATION HISTORY

Previous work on the Trail Peak property was first completed by Texas Gulf Sulphur Company in 1968. Several geophysical and geochemical surveys were completed on the property by previous operators from 1968-1996. Table 4-1 summarizes the exploration activity completed on the property as reported in BC assessment reports.

**Table 4-1. Summary of exploration history on the Trail Peak Property.**

Year	Company	Exploration Activity
1968-1975	Texas Gulf Sulphur Company	EM Survey Mag Survey Geochemical Survey-Soil Trenching- 3600 m Drilling-12 long, 10 short holes Prospecting
1975	Texasgulf Inc.	Drilling-2 holes
1989-1995	N. Carter and Teck Exploration Inc.	Mapping Rock Sampling Re-sampling of old drill core
1996	Hera Resources	IP Survey Mag Survey Geochemical Survey-Soil
2007	NXA Inc.	Line cutting Geochemical Survey-Soil
2009	NXA Inc.	Geophysical Survey Soil Geophysical IP

### 1968 Texas Gulf Sulphur Company

In 1968 a reconnaissance vertical loop electromagnetic survey on the CAVZ claims was completed by Texas Gulf Sulphur Company. The purpose of the survey was to see if conductors were present on the property. Results yielded one Northwest- Southeast conductor of medium strength between 288E and 304E grid lines (Watson and Russell, 1968).

A geochemical survey was also completed in 1968. A grid totaling 35 line miles with 400 ft line spacing was cut. Soil sampling was completed at 200ft intervals in areas of high priority and at 400ft in areas of low priority. A total of 679 soil samples were sent to Barringer Research Ltd. in Toronto for analysis. Due to the variation in the soil conditions the copper distribution was erratic (McLeod and Russell, 1968).

Prospecting and a detailed geological report were completed by C. McLeod and JR Loudon. They concluded area showed favorable rock types and structures but the Copper anomaly source was yet to be determined. They noted the occurrence of pyrite, pyrrhotite and minor chalcopyrite. Magnetite and hematite were also observed. Chalcopyrite was observed along a north-easterly fault (McLeod and Russell, 1968).

A magnetometer survey was completed by Texas Gulf Sulphur Company. The magnetic anomalies were concluded to be due to a series of narrow dykes generally trending northwest and a large intrusive mass, likely a diorite. The only correlation between magnetic survey and geology is the biotite-hornblende-feldspar porphyry unit that is a nearly continuous magnetic trend continuing from 240N on line 356E in a northwestern direction to 296N on line 300E (Podolsky and Russell, 1968).

In 1969, ten shallow inclined holes approximately 60-75 m in length were drilled in the western trench area (Carter, 1990).

Between 1969 and 1975 the Texas Gulf Company completed 3600 m of trenching and 12 diamond drill holes totaling 1086 m (Lisle, 1996).

### **1975 Texasgulf Inc.**

Two diamond drill holes were drilled by Texasgulf Inc in 1975 in the East Trench area. Diamond drill hole 11-75 was 1118' and hole 12-75 was 432' in length. Biotite-feldspar-porphyry was the main rock type encountered. Mineralized sections showed chalcopyrite as fracture filling and fine disseminations in the assayed range of 0.15% copper (DeLancy, 1975).

### **1989-1995 N. Carter**

During the 1989 field season N. Carter (then the current claim owner) and Teck Explorations Ltd completed a geological mapping and rock sampling program. Samples taken from the 1969 trenches including bedrock and drill core samples. The results showed widespread copper mineralization associated with the Babine porphyry intrusions. The samples collected marginal to the east-northeast tourmaline-rich fault zone reported interesting gold values (Carter, 1990).

Re-sampling of the limited portions of old drill core was completed in 1992 field season. A total of 38 non representative samples were collected from holes containing good copper grades and were assayed for gold and 31 major and trace elements (Lisle, 1996). During this field season two 450 m lines approximately 150 m apart were completed. A total of 19 soil samples taken at 50m intervals and 2 rock samples (Carter, 1993). Results indicated a northwest trending zone of undetermined size containing +100 ppm Cu and +10 ppb Au values (Carter, 1993). In 1994, a soil sampling programme was completed to follow up the 1992 anomalous zone. No results were reported (Lisle, 1996).

### **1996 Hera Resources**

In 1996 Hera Resources cut 25.8 line-km to provide a grid for geophysical IP and magnetic surveys and geochemical soil survey. The results suggested an area of alteration in the southwest part of the grid resulting in a high amount of pyrite and magnetite. The central grid area hosted in less intense alteration with lower magnetite and pyrite mineralization. The soil survey totaling 1096 samples showed high values of copper and gold that were associated with areas of tourmaline and silica alteration (Lisle, 1996).

### **2007-8 NXA Inc.**

The following description is excerpted and modified from Assessment Report 30686

*... "In 2007, NXA Inc. completed line cutting and soil sampling along seven 400 m spaced grid lines for a total of 12 line km. A discussion of the 2007 results are combined with the 2008 programme.*

*A summary of the 2008 exploration activities is as follows:*

- 1. Property visit by Erin O'Brien (P.Geo.) to complete cursory prospecting of the outcrop and old workings.*
- 2. Line cutting of 25 line km.*
- 3. Soil sampling along the exploration grid (315 samples collected for analyses).*
- 4. IP and magnetometer geophysical surveys each 37.2 km.*

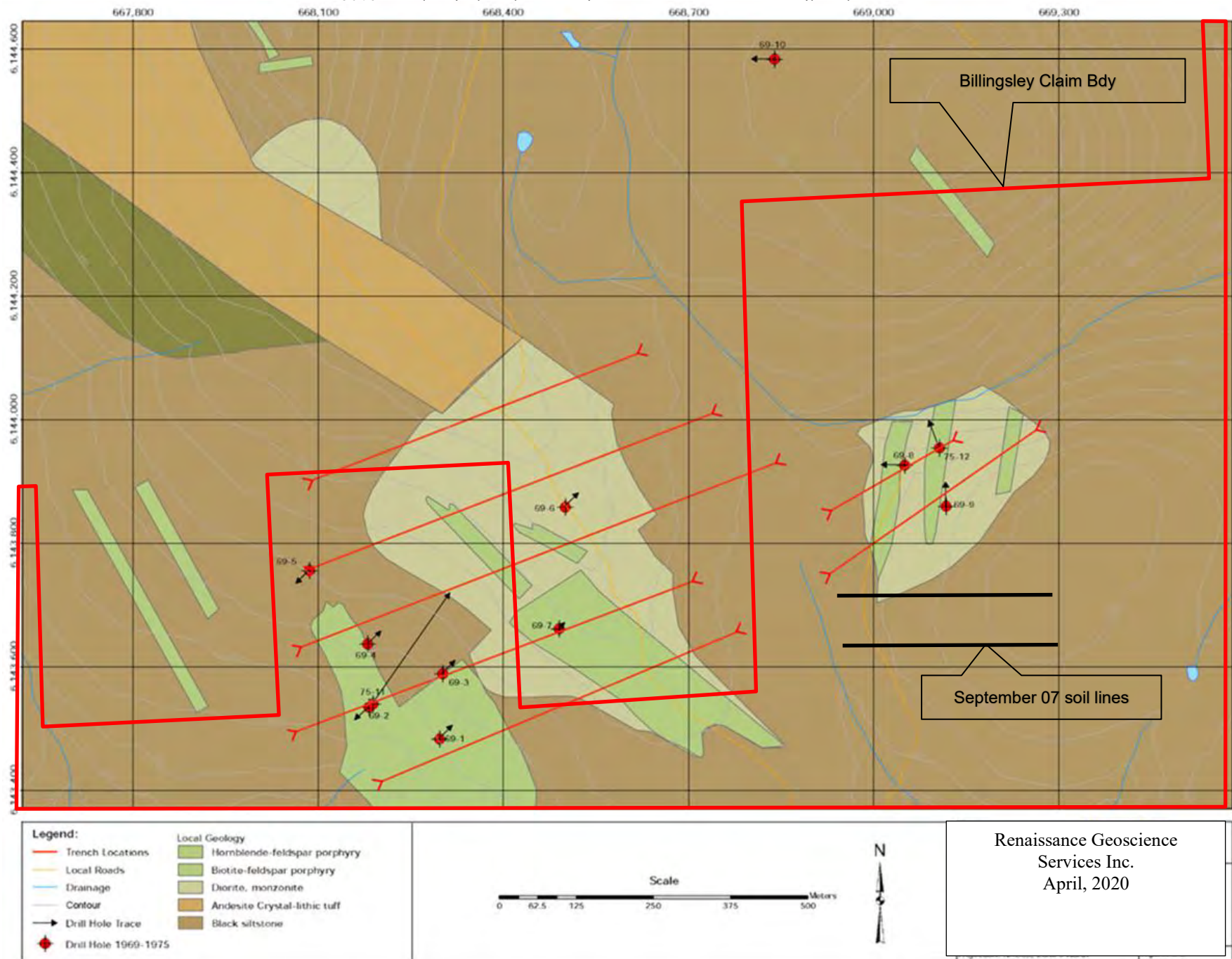


Figure 4-1. Physical Work Completed on the Trail Peak Property (Source, AR 30686)

Renaissance Geoscience  
Services Inc.  
April, 2020

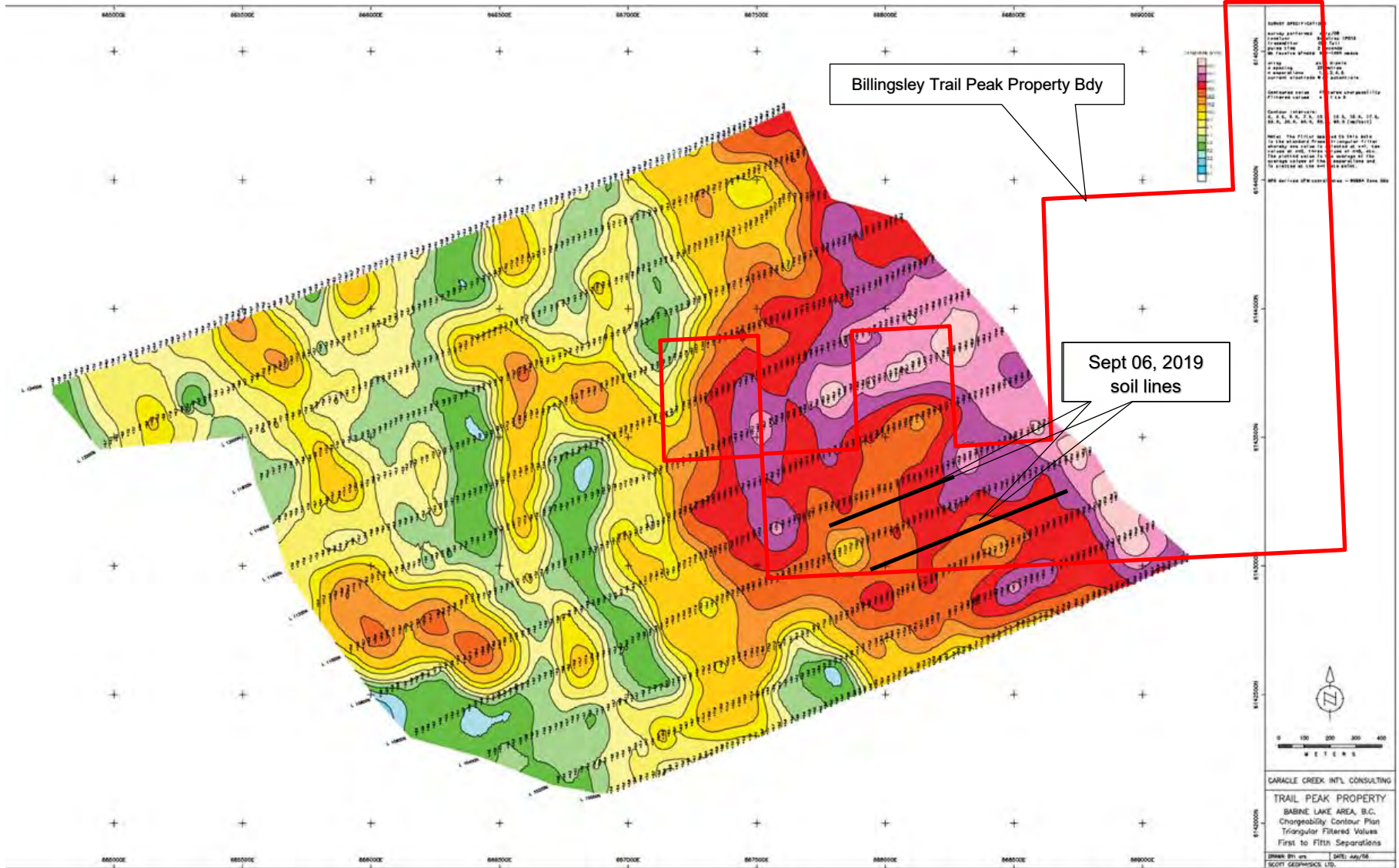


Figure 4-2. 2008 Chargeability Plan (Source, AR 30686)



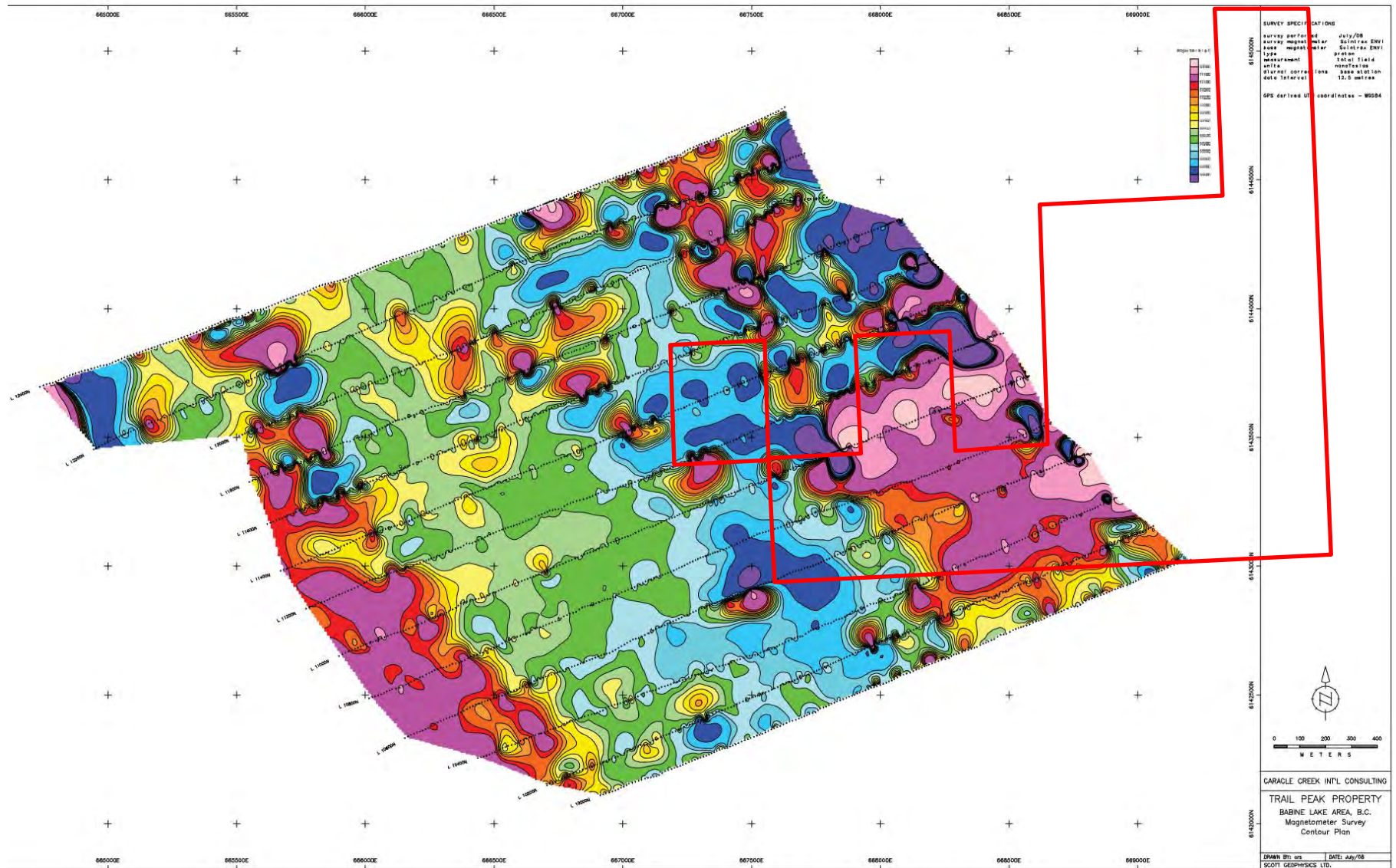


Figure 4-3. 2008 Ground Magnetics Plan (Source, AR 30686)

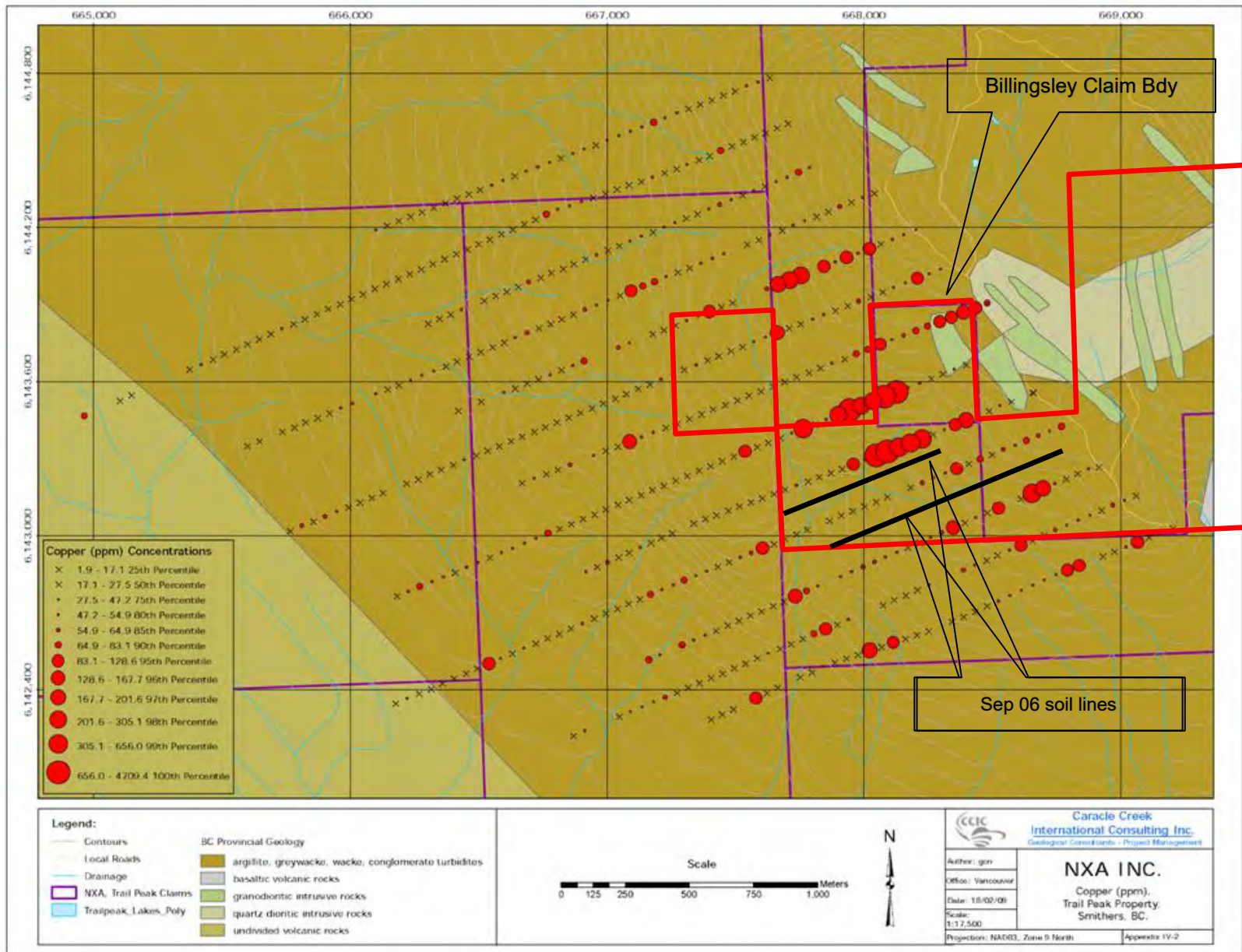


Figure 4-4. 2008 ppm Copper in Soils Plan (Source, AR 30686)

The IP and magnetic survey was completed in June and July 2008 by Scott Geophysics Inc. The survey covered thirteen ENE striking grid lines spaced 200 m apart and stations spaced every 25 m. A total of 37.2 line km of IP and mag were completed.

The magnetometer survey results showed a northwest trending magnetic high measuring approximately 900 m by 800 m in the area of the known mineralization and extending to the north and west. It was interpreted that the mag high may indicate the presence of intrusive porphyries (i.e., biotite or hornblende feldspar porphyries) or granitic to dioritic stocks. The mag high extends about 800 m north and west from the known mineralization. This indicates the potential for mineralization to occur in these areas.

Partially coincident with the known zones of mineralization, is a large chargeable high measuring approximately 2 km north-south and 1.5 km east-west. This large chargeability high suggests sulphide mineralization extending north and west of the known mineralization.

A weak resistivity low (conductive high) measuring 700 m by 300 m also coincides with the centre of the mag and chargeability high and may also indicate the presence of sulphide mineralization.

In conclusion the geophysical survey has identified several geophysical targets that merit additional investigation.”...

...”Geochemical soil sampling programs previously completed by others in the late 1960s and in 1996 over the peak area showed that anomalous Cu in soils values occur on the west side of the grid area. An orientation geochemical soil sampling programme was completed in 2007 over the areas known to contain mineralization, and several hundred metres to the west to characterize the soil geochemical signature of the mineralization. A total of 186 samples were collected during the 2007 programme. The overburden on the Property is dominantly basal till, so some glacial dispersion will occur in the down-ice direction (south-easterly).

The 2008 soil sampling program was completed along the exploration grid lines with “B-horizon” soil samples collected every 50 metres along six grid lines from L102N to L122N between stations base line 100W to a maximum of 130W. A total of 315 samples were collected over 24 line km.”...

...”The 2007 and 2008 geochemical soil surveys identified a suite of metals which are mobile in the soil and are indicative of bedrock mineralization at depth. This survey extended the anomalous area westward of the known mineralization into an area which is completely covered by glacial overburden and has yet to be tested by historical exploration programs. The soil survey appears to have been successful at identifying bedrock mineralization and a drilling programme is advised to test coinciding geophysical and geochemical anomalies.”...

**Table 4-2. Summary of the statistical analysis for selected elements, 2007 and 2008 soil geochemical surveys.**

	Mo (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Ag (ppb)	Au (ppb)
Max	17.4	4709.4	153.4	2069	5121	631.3
Min	0.5	1.9	0.8	10	0.05	0.1
Mean	1.72	59.48	16.78	160.88	253.45	3.55
Std Dev.	1.61	279.16	9.97	160.07	497.36	29.44
95 %ile	2.9	113	29.104	358.45	1296.2	5.64
90 %ile	2.323	76.103	23.851	263.3	679.4	3.3
75 %ile	1.72	42.6	18.82	172	315	1.7
50 %ile	1.4	24.2	15.2	121.9	1	0.9
25 %ile	1.14	16.4	12.025	93.15	0.3	0.3

No additional exploration has taken place on the property since

## 5.0 GEOLOGICAL SETTING

### 5.1 Regional Geology

The Regional Geology is dominated by the Stikine volcanic arc Terrane within the Intermontane Belt physiographic region of British Columbia. The Terrane consists of the following groups (MacIntyre *et al.*, 1987):

**Hazelton Group (Early to Middle Jurassic):** Island arc provenance andesitic volcanic and volcanoclastic rocks and related marine sedimentary rocks

**Takla Group (Middle to Late Triassic):** Island arc provenance augite basalt, andesite, and related marine sedimentary rocks

**Asitka Group (Carboniferous to Permian):** Island arc metavolcanic rocks and limestone

The accretion of the Stikine terrane to ancestral North America began in the Middle Jurassic. Post-accretionary rocks overlying the Stikine terrane include the Late Jurassic Bowser Lake and the Early Cretaceous Skeena Groups (fluvial and deltaic sedimentary rocks) in the northwest; Late Cretaceous to Early Eocene Kasalka Group (porphyritic andesite, basalt, rhyolite and related pyroclastic rocks); and the Bulkley plutonic suite in the west. In the Babine Lake area where the Trail Peak Property is located, the Early Eocene Newman Formation (porphyritic andesite flows) overlies the older rocks and the Babine Lake suite plutons intrude all. In the south, the Nanika plutonic suite intruded all.

The Bowser Group is sub-divided into two formations:

Ashman Formation: (a) fine-grained shale

(b) lesser amounts of feldspathic to quartzose siltstone Trout Creek Formation: coarse sandstone and conglomerate beds.

Intruding the older rocks are the Eocene Babine Igneous Suite, described as small plugs and dikes of crowded biotite  $\pm$  hornblende feldspar porphyry, quartz  $\pm$  biotite feldspar porphyry and equigranular hornblende-biotite granodiorite to quartz diorite (MacIntyre, 1998). They occur as multi-phased intrusive centres along a northwest trending belt that extends from the south in the Fulton Lake area and to the north to Trail Peak.

Structurally, the area is part of basin-and-range type horst and graben structures. Westward imbricate faulting marks terrane boundaries and is offset by complex Late Cretaceous to Eocene high-angle faults. In addition, broad open folds occur in the area.

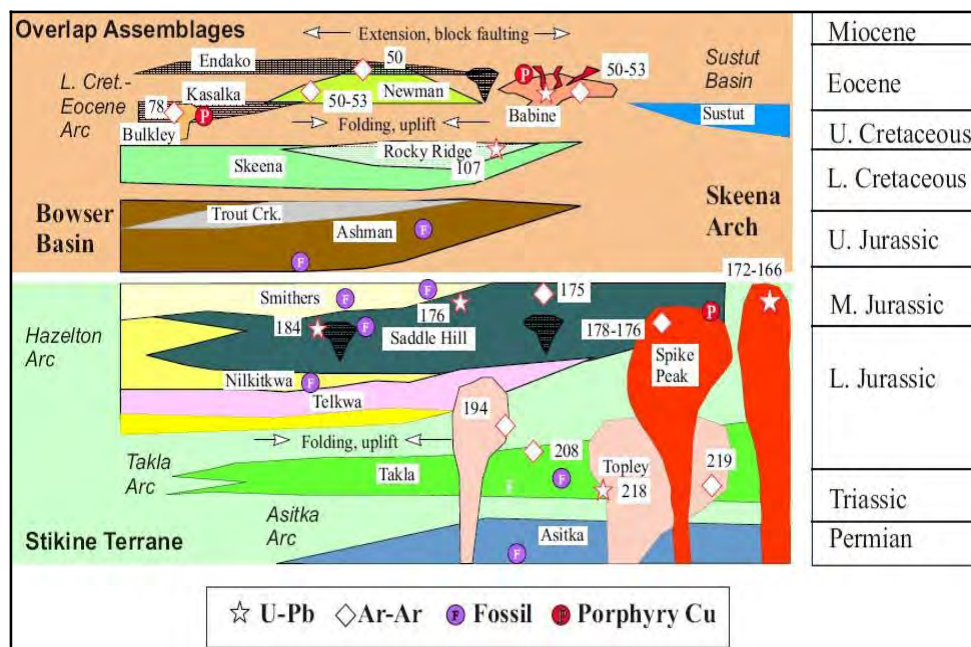


Figure 5-1. Schematic representation of geological units in the Skeena Arch (MacIntyre, 2005).

## 5.2 Property Geology

The geology under the property is pyritic siltstone, sandstone and andesitic crystal lithic tuff of the Middle to Upper Jurassic Ashman Formation (Bowser Lake Group). The bedded rocks are intruded by granodiorite and diorite plugs and dikes of the Late Cretaceous Bulkley Intrusions, and northwest-striking dikes and plugs of biotite feldspar and biotite hornblende feldspar porphyry of the Eocene Babine Intrusions. The largest of the Babine Intrusions on the property is a biotite- feldspar porphyry stock that covers an area of 500 x 800 m. There are several areas of Eocene Newman Group volcanic rocks in the vicinity which are considered the extrusive equivalents of the Babine Igneous Suite.

The Babine Igneous Suite are of primary economic interest as these commonly host porphyry Cu-Au-Mo mineralization and the Trail Peak area appears to be the northern-most of the Babine Igneous Suite, although the presence of Newman volcanic rocks to the north suggest there may be more unroofed Babine Intrusions to the north.

The regional geology for the claims area is shown in Figure 2-2. A schematic generalized geological plan map showing the Property geology is provided in Figure 4-1.

## 6.0 DEPOSIT TYPE

The region is one of the best mineralized areas of British Columbia (MacIntyre, 2006). It hosts a plethora of deposit types including polymetallic base and precious metal veins; porphyry, epithermal and skarn deposits; sedimentary exhalative (“SEDEX”) and volcanogenic massive sulphide (“VMS”) deposit types.

The most common deposit types in the area are porphyry deposits, polymetallic base metal veins and the subvolcanic Cu-Ag-Au (As-Sb) deposit type. These and other deposit types are described by the British Columbia Mineral Deposit Profiles

Intrusions on the Trail Peak Property are thought to be Eocene in age and appear very similar to intrusions belonging to the Babine Igneous Suite intrusions. Furthermore, on the Property and in the immediate area Newman Formation volcanic rocks occur which are interpreted to be the extrusive counterparts of the Babine Suite due to their similar Eocene age and geochemical signatures. Hence, the Trail Peak prospect appears to be the northernmost known Babine Porphyry mineralized system in the Babine Porphyry Belt. Several notable examples of Babine Porphyry deposits and include the Granisle and Bell Porphyry deposits totaling ~ 130 MT of 0.40% Cu, 0.15 g/t Au and 0.75 g/t Ag as well as the Morrison Deposit which has ~86 MT of 0.45% Cu and 0.26 g/t Au.

Trail Peak is surrounded by several similar developed prospects; the most noteworthy are the Hearne Hill and Morrison Properties. A summary of the near-by properties can be found in Table 6-1 below.

### Hearne Hill

Hearne Hill is approximately 70 km northeast of Smithers. The property is underlain by northwest-trending massive andesite flows, tuffs and epiclastic sedimentary rocks of the Lower to Middle Jurassic Telkwa Formation (Hazelton Group). These are in fault contact with greywacke, argillite and conglomerate of the Jurassic to Cretaceous Ashman Formation (Bowser Lake Group). A small diorite to quartz diorite stock of the Triassic to Early Jurassic Topley Intrusions has intruded the layered rocks and is in turn intruded by a small biotite feldspar porphyry plug and associated northeast-trending dike swarm of the Eocene Babine Intrusions.

Porphyry copper-style, fracture-controlled and disseminated chalcopyrite, bornite and minor molybdenite mineralization, estimated to average 0.2 per cent copper (Assessment Report 20084), is found in highly fractured "hybrid diorite" and in the porphyry plug. A breccia pipe, approximately 50 by 60 metres in size, cuts the porphyry copper mineralization and is mineralized with chalcopyrite. One drill hole in the breccia pipe assayed 2.75 per cent copper across 22.9 m.

The Bland and Chapman zones contain an indicated resource of 4,230,000 tonnes grading 0.6 per cent copper and 0.186 grams per tonne gold, at a 0.3 per cent copper cut-off; and an inferred resource of 947,000 tonnes grading 0.408 per cent copper and 0.183 grams per tonne gold, at a 0.3 per cent copper cut-off.

## Morrison

The Morrison deposit is located 21 km north of the Bell mine (093M 001), north Babine Lake, and 86 km east of Hazelton. The Morrison is a strongly zoned, annular porphyry copper deposit that is largely within the multiphase porphyry plug. The Morrison deposit, and its concentric sulphide-silicate alteration zones, was formed during a single hydrothermal episode that followed the emplacement and crystallization of most of the phases of the biotite-hornblende-plagioclase porphyry plug (<http://minfile.gov.bc.ca/Summary.aspx?minfilno=093M++007>). Measured plus indicated reserves were determined by E. Kimura, P. Geo., to be 12.4 million tonnes at 0.53 per cent copper, 0.26 grams per tonne gold (at 0.3 per cent copper cut-off and 0.75 strip ratio) in a starter pit, within an ultimate pit with 62.1 million tonnes grading 0.46 per cent copper, 0.22 grams per tonne gold (at 0.3 per cent copper cut-off and 1.15 strip ratio) (Wojdak, 2003).

**Table 6-1. Summary of deposits located near Trail Peak Property.**

Deposit Name	Deposit Type	Status
Morrison	Porphyry Cu +/- Mo +/- Au	Developed Prospect
Fireweed	Sedimentary exhalative Zn-Pb-Ag and Subaqueous hot spring Ag-Au	Developed Prospect
Hearne Hill	Porphyry Cu +/- Mo +/- Au	Developed Prospect
Dorothy	Porphyry Cu +/- Mo +/- Au	Developed Prospect
French Peak	Subvolcanic Cu-Ag-Au (As-Sb) and Polymetallic veins Ag-Pb-Zn+/-Au	Developed Prospect
Nak	Porphyry Cu +/- Mo +/- Au	Developed Prospect
Wolf	Porphyry Cu +/- Mo +/- Au	Prospect
MR	Cu+/-Ag quartz veins	Prospect

## 7.0 MINERALIZATION

Previous work on the property has shown that copper (chalcopyrite) mineralization is disseminated or as fracture filling and in quartz veinlets with or without chlorite and magnetite. The copper mineralization of potential interest is associated with the biotite-(hornblende)-feldspar porphyry dykes of the Babine Igneous Suite. Pyrite, chalcopyrite and minor bornite ± magnetite is present within and near the dykes. Some mineralized areas are marked by secondary biotite, less potassic feldspar and locally by clay and silica alteration (Lisle, 1996).

Sedimentary rocks in the area are commonly mineralized (trace to locally 10%) with finely disseminated and fracture controlled pyrite and very fine disseminated pyrrhotite.

## 8.0 EXPLORATION

### 8.1 Exploration Programme

The 2019 exploration programme was implemented and managed by RGSi and included soil, silt and rock sampling prospecting surveys. The work commenced on September 06, 2019 and was completed on Sept 07 2019. Figure 8-1, 2 and 3 present the locations of the geochemical surveys. The samplers were Lindinger and technician CJL Contracting trainee Cole Bouvier.

The September 6 program comprised an infill soil sampling of the southern lines completed by NXA IN 2008. The lines completed were 10500 N and 10700 N. Station spacing was 50 metres. Station location was by previously input GPS values using the 2008 data.

The September 07 program covered the east part of the property south of historic trench 3. Lines 600 and 700 N were completed. Station spacing was 50 metres. Station location was derived from the UTM values at that area. The soil samples were taken by CJL field technician employees Cole Bouvier and Brandon Barendregt. Also completed were selective rock sampling by Lindinger from mineralized portions of trenches 3 and 4. Lindinger also recovered several pieces of mineralized drill core from the 1968 drilling.

## 8.2 Exploration Results

The results of the 2019 work are presented in Figures 8-1 (Appendix D), 8-2 and 8-3 below, Analytical affidavits in Appendix A below, rock descriptions in Appendix B below, and rock and core sample images in Appendix C below.

### 8.2.1 Soil Results (Figure 8-1)

The western infill grid somewhat confirmed the anomalous copper results obtained earlier by NXA. The only copper value reporting over 100 ppm were midway on both lines. Also, partially coincidentally anomalous were zinc, arsenic, cadmium, silver, lawrencium, and cerium. A stronger coincident arsenic, bismuth, cadmium, cobalt, lawrencium, and cerium anomaly is present near the western end of Line 10500N and where Late felsic volcanics outcropping were observed. The anomaly extends although much weaker to the NW.

The eastern grid produced a very strong zinc anomaly near the eastern end of the grid. Bracketing these anomalous samples were anomalous silver, cerium, and lawrencium results. Elsewhere are a few scattered weak (>1 ppm) silver anomalies.

### 8.2.2 Moss Mat Anomalies (Figure 8-2)

Two moss mat samples were taken near the western end of Line 10700N from a south and southwestern draining pups. Only copper returned anomalous values in only for sample TP-MM19-02 which reported 414 ppm copper. The pup draining this source is the southern part of the main Trail Peak mineralized area.

### 8.2.3 Rock sample anomalies (Figure 8-3), Appendix B, Appendix D

Of the six rock samples taken only samples 11S17151, 2 and 3 in the western part of historic trench 4 returned anomalous copper values. All of these samples had visual indications of copper mineralization in the form of malachite, azurite, and chalcopyrite. Sample 11S171858 of a strongly clay altered and stockwork veined tourmaline intrusive failed to report any anomalous elements including gold and silver.

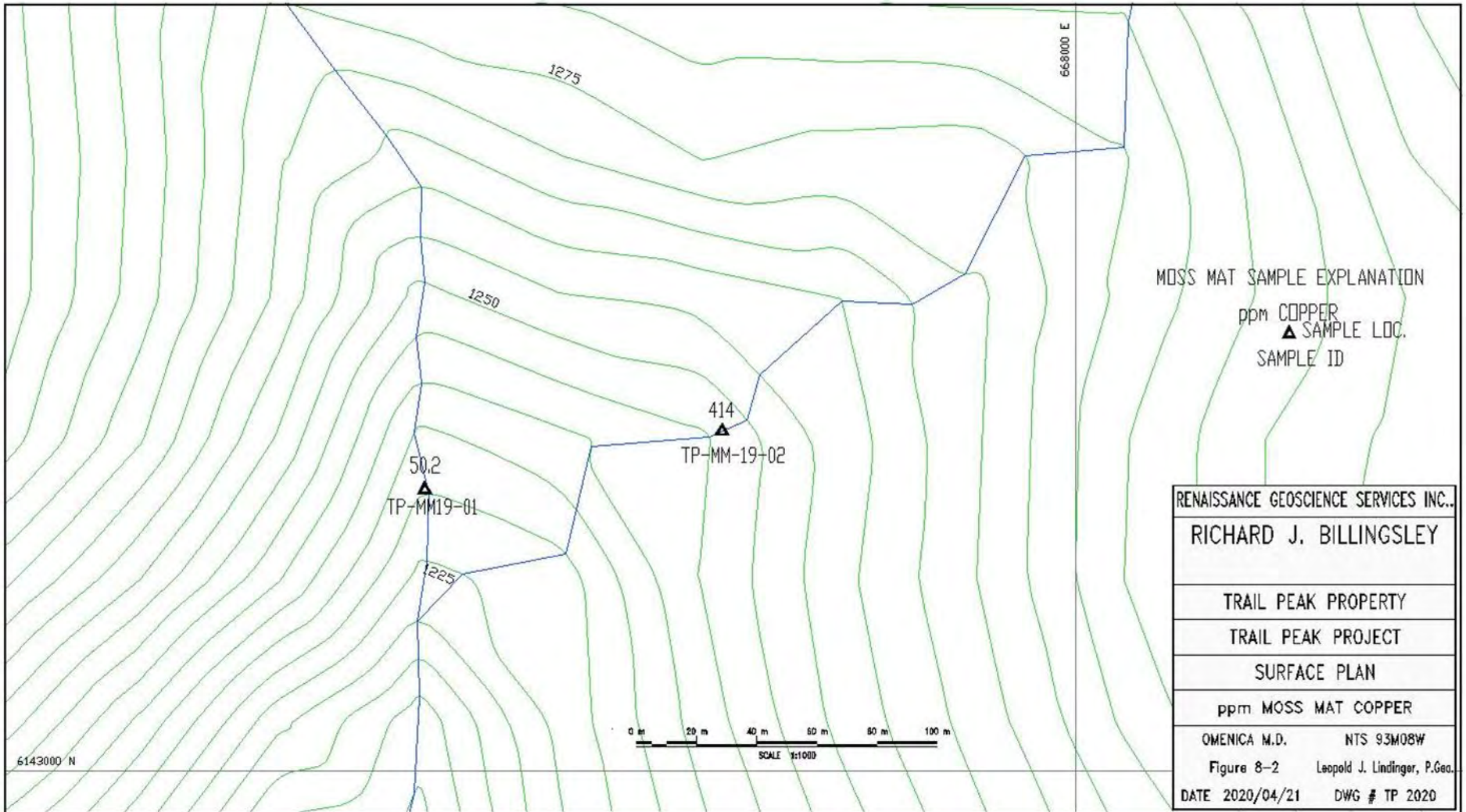
**Table 8.1 – Moss Mat Location and Copper Results**

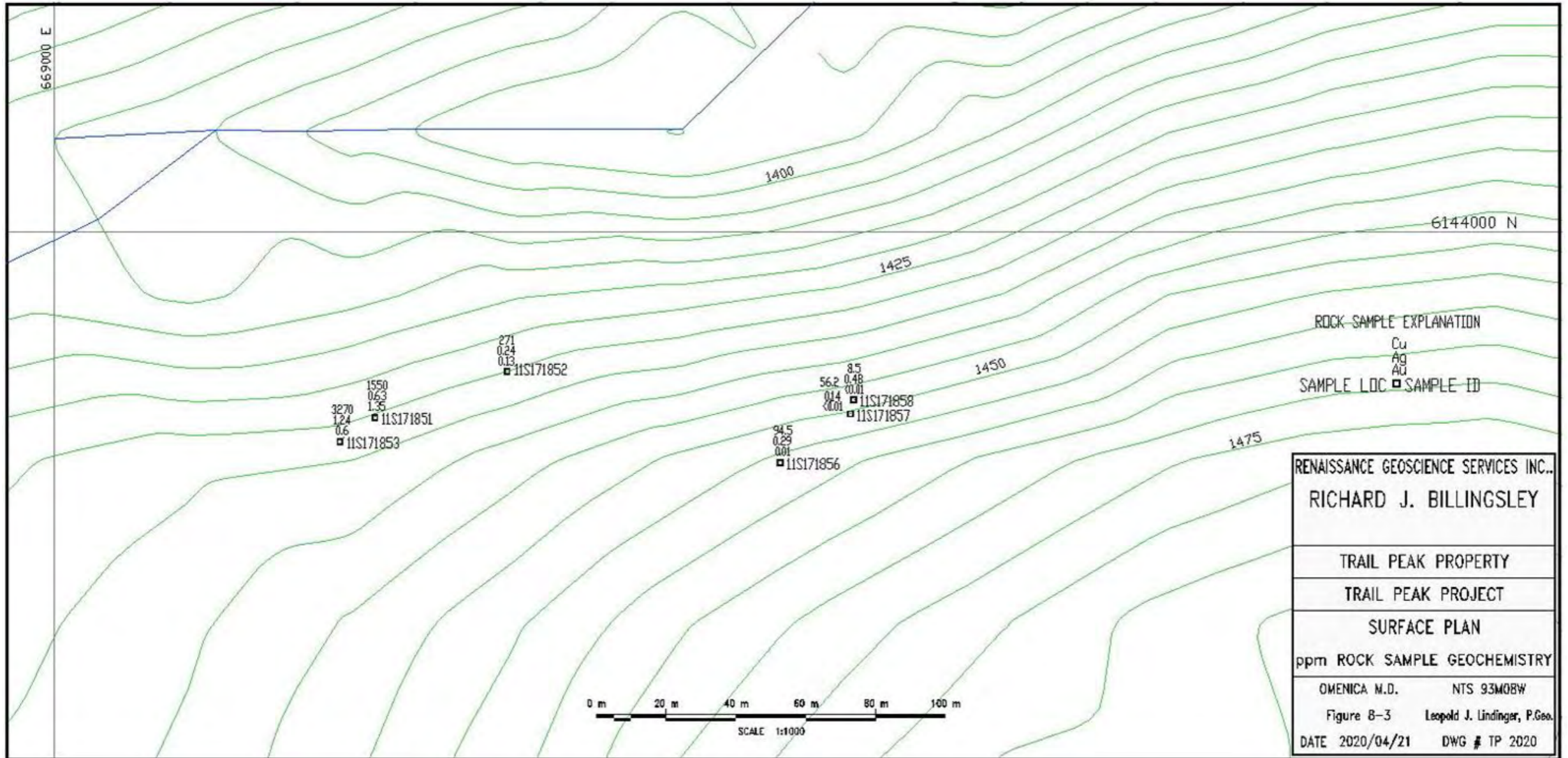
SAMPLE ID	UTM EAST	UTM NORTH	ELEV	Cu ppm
TP-MM19-01	667765	6143101	1229	50.2
TP-MM-19-02	667864	6143125	1246	414



**Table 8.3 – Rock Sample Locations and Geochemical Results**

<b>SAMPLE ID</b>	<b>UTM EAST</b>	<b>UTM NORTH</b>	<b>ELEV</b>	<b>AG</b>	<b>AU</b>	<b>CU</b>
11S171851	669092	6143947	1442	0.63	1.33	1550
11S171852	669130	6143961	1437	0.24	0.013	271
11S171853	669082	6143940	1438	1.24	0.6	3270
11S171854	669126	6143864	1448	NA	NA	NA
11S171855	669141	6143880	1451	NA	NA	NA
11S171856	669208	6143934	1453	0.29	0.01	94.5
11S171857	669228	6143948	1447	0.14	<0.01	56.2
11S171858	669229	6143952	1446	0.48	<0.01	8.5
<b>NOTE ALL RESULTS IN PPM, NA - Not Analyzed</b>						





## **9.0 INTERPRETATION AND CONCLUSIONS**

RGSI completed an exploration programme that included soil, moss mat and rock sampling, and reconnaissance prospecting.

The geochemical soil survey over the southwestern part of the part of the property has confirmed the multi-element Cu soil and distal porphyry copper indicator elements and thus successfully verified portions of the previous surveys. The overlying moss mat samples also confirm copper from a steam draining the southern part of the main western historic copper mineralized area. These results confirmed the conclusions that Wetherup and O'Brian there is an as yet undrill tested mineralized area west of the known western Trail Peak area.

The soil sample results from south of the eastern grid trenches 3 and 4 area similarly produced, at its eastern end distal porphyry copper indicator element anomalies from zinc, silver, and some rare earth elements. Rock sampling of visually copper mineralized rocks confirmed that low grade copper mineralization is present in historic trench 4. Late tourmaline stockwork veining failed to report any anomalous gold. The very strong zinc in soil anomaly may indicate deeper copper mineralization at depth.

## **10.0 RECOMMENDATIONS**

### **10.1 Proposed Work Program**

The geochemical and geophysical surveys completed by NXA and partially confirmed by part of the 2019 program west of the known mineralized Trail Peak area defined a multi element porphyry copper deposit indicator element soil geochemical anomaly coinciding with a magnetic and chargeability high. A drill programme is recommended to test the anomaly. This programme should consist of a minimum of 2,000 m (ten 200 m drill holes). The estimated cost to complete the 2,000 m programme is \$500,000.

Prospecting and mapping should also be completed over the eastern portions of the current property to determine the significant of the zinc anomaly. An estimated field budget of approximately \$20,000 is recommended.

## **11.0 2019 EXPLORATION EXPENDITURES**

The 2019 exploration programme cost approximately \$19,000 as summarized in Table 11-1 presented below.

2019 Geochemical and Prospecting Assessment Report – Trail Peak Property

2019 EXPENSE SUMMARY					
Exploration Work type	Comment	Days			Totals
Personnel (Name) * / Position	Field Days (list actual days)	Days	Rate	Subtotal*	
Lindinger	Sept 15-20, 2019	2	\$880.00	\$1,760.00	
Barendregt	Sept 15-20, 2019	1	\$400.00	\$400.00	
Bouvier	Sept 15-20, 2019	2	\$400.00	\$800.00	
				\$2,960.00	\$2,960.00
Office Studies	List Personnel (note - Office only, do not include field days)				
Database compilation	Lindinger	0.3	\$880.00	\$264.00	
Computer modelling	Lindinger	0.5	\$880.00	\$440.00	
General research	Lindinger	1.0	\$880.00	\$880.00	
Report preparation	Lindinger	2.0	\$880.00	\$1,760.00	
Rock descriptions	Lindinger	0.7	\$880.00	\$616.00	
				\$3,960.00	\$3,960.00
Ground Exploration Surveys	Area in Hectares/List Personnel				
Reconnaissance	Lindinger, Barendregt, Bouvier 5000 ha				
Prospect	Lindinger, Barendregt, Bouvier 5000 ha				
Geochemical Surveying	Number of Samples	No.	Rate	Subtotal	
Stream sediment	moss mat	2.0	\$52.00	\$104.00	
Soil		65.0	\$54.00	\$3,510.00	
Rock		6.0	\$66.00	\$396.00	
				\$4,010.00	\$4,010.00
Transportation		No.	Rate	Subtotal	
Airfare	Kamloops-Smithers-Kamloops prorated		\$0.00	\$350.00	
Taxi	Smithers airport to hotel		\$0.00	\$20.00	
helicopter	3.6 hours at \$2000/hr	3.60	\$1,984.50	\$7,144.20	
fuel			\$0.00	\$0.00	
				\$7,514.20	\$7,514.20
Accommodation & Food	Rates per day				
Hotel	3 PERSON NIGHTS @\$105/NIGHT	3.00	\$105.00	\$315.00	
Meals	3.3 MANDAYS @ 75/DAY	3.30	\$75.00	\$247.50	
				\$562.50	\$562.50
Equipment Rentals					
Field Gear (Specify)	2 garmin rino GPS for 5 days/\$5/day ea	2.00	\$10.00	\$20.00	
Iridium Sat Phone	5 days @\$25/day	2.00	\$25.00	\$50.00	
				\$70.00	\$70.00
<b>TOTAL Expenditures</b>					\$19,076.70

**Table 11-1. Statement of Exploration Expenditures for 2019 programme.**

## CERTIFICATE

Leopold Joseph Lindinger, P.Ge.  
680 Dairy Road, Kamloops, B.C. V2B-8N5  
Tel/text. 250-319 0717  
Email: leojolindinger@gmail.com

HEREBY DO CERTIFY THAT:

1. I, Leopold Joseph Lindinger, P.Ge. of 680 Dairy Road, Kamloops, B.C..
2. I graduated in 1980 from the University of Waterloo, Ontario with a Bachelor of Sciences (BSc) in Honours Earth Sciences.
3. I am a member in good standing as a Professional Geoscientist (#19155) with the Association of Professional Engineers and Geoscientists of the Province of British Columbia since 1992.
4. I have worked continuously as a geoscientist since graduating.
5. I am responsible for presenting the exploration results, conclusions and recommendations made for the “**2019 Geochemical and Prospecting Assessment Report on the TRAIL PEAK Property**” .

Dated this 23<sup>rd</sup> day of April, 2020 and amended Oct 1, 2020

Leopold J. Lindinger, P.Ge.

## 13.0 REFERENCES

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Wojdak, P. (2003): Exploration and Mining in BC 2002, Mines and Minerals Division, Mining Operations Branch, BC Ministry of Energy and Mines, page 6.



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**APPENDIX A - Analytical Certificates**

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 KAMLOOPS BC V2B 8N5

Page: 1  
 Total # Pages: 2 (A - D)  
 Plus Appendix Pages  
 Finalized Date: 4-OCT-2019  
 Account: REN GEO

**CERTIFICATE TR19232974**

Project: TRAIL PEAK

This report is for 2 Sediment samples submitted to our lab in Terrace, BC, Canada on 16-SEP-2019.

The following have access to data associated with this certificate:

RICHARD BILLINGSLEY

LEOPOLD LINDINGER

**SAMPLE PREPARATION**

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
DRY-22	Drying - Maximum Temp 60C
SCR-41	Screen to -180um and save both
DISP-01	Disposal of all sample fractions

**ANALYTICAL PROCEDURES**

ALS CODE	DESCRIPTION
AuME-TL43	25g Trace Au + Multi Element PKG

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

Signature:

Saa Traxler, General Manager, North Vancouver



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 Account: RENGEO

Project: TRAIL PEAK

**CERTIFICATE OF ANALYSIS TR19232974**

Sample Description	Method Analyte Units LOD	WE+21	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm
TPMM-19-01		0.70	0.021	0.23	1.43	26.9	10	170	0.43	0.22	0.61	1.19	19.80	12.3	21	0.58
TPMM-19-02		0.76	0.022	0.29	1.67	22.1	10	200	0.62	0.27	0.59	1.21	25.7	23.3	27	0.89

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



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 Total # Pages: 2 (A - D)  
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 Account: RENGO

Project: TRAIL PEAK

**CERTIFICATE OF ANALYSIS TR19232974**

Sample Description	Method Analyte Units LOD	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	
		Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm
TPMM-19-01		50.2	3.52	4.36	0.06	0.03	0.12	0.037	0.09	11.0	10.8	0.48	793	1.71	0.02	0.24
TPMM-19-02		414	3.61	5.42	0.07	0.02	0.08	0.036	0.18	12.6	13.3	0.67	1200	3.75	0.02	0.42

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



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Project: TRAIL PEAK

**CERTIFICATE OF ANALYSIS TR19232974**

Sample Description	Method Analyte Units LOD	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
		Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %
TPMM-19-01		20.1	880	12.6	4.6	0.002	0.04	1.37	5.2	0.9	0.4	72.3	<0.01	0.09	0.5	0.030
TPMM-19-02		31.0	930	13.4	10.7	0.006	0.06	1.43	5.9	1.4	0.4	58.0	<0.01	0.10	0.8	0.052

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Project: TRAIL PEAK

**CERTIFICATE OF ANALYSIS TR19232974**

Sample Description	Method Analyte Units LOD	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
		Ti ppm 0.02	U ppm 0.05	V ppm 1	W ppm 0.05	Y ppm 0.05	Zn ppm 2	Zr ppm 0.5
TPMM-19-01		0.10	0.36	62	0.12	14.40	141	0.6
TPMM-19-02		0.21	0.63	69	0.10	15.50	131	<0.5

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*





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Page: 1  
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 Plus Appendix Pages  
 Finalized Date: 7-OCT-2019  
 Account: REN GEO

**CERTIFICATE TR19232976**

Project: TRAIL PEAK

This report is for 65 Soil samples submitted to our lab in Terrace, BC, Canada on 16-SEP-2019.

The following have access to data associated with this certificate:

RICHARD BILLINGSLEY	LEOPOLD LINDINGER
---------------------	-------------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-41	Screen to -180um and save both
DISP-01	Disposal of all sample fractions

ANALYTICAL PROCEDURES	
ALS CODE	DESCRIPTION
AuME-TL43	25g Trace Au + Multi Element PKG

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.  
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Signature:   
 Saa Traxler, General Manager, North Vancouver





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 Total # Pages: 3 (A - D)  
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 Account: RENGENO

Project: TRAIL PEAK

**CERTIFICATE OF ANALYSIS TR19232976**

Sample Description	Method Analyte Units LOD	WEI-21	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	
10700N-750W		0.28	0.005	0.20	1.75	65.8	10	240	0.47	0.37	0.32	0.94	12.45	12.1	23	0.73	
10700N-800W		0.30	0.002	0.15	1.69	52.8	10	140	0.41	0.53	0.26	0.65	11.90	9.1	20	0.80	
10700N-150W		0.32	0.002	0.48	3.02	23.0	10	270	0.81	0.56	0.61	0.76	17.20	14.8	33	1.64	
10700N-200W		0.28	0.004	1.21	2.60	90.5	10	180	1.30	1.12	0.37	1.08	42.5	10.7	20	1.38	
10700N-250W		0.26	0.001	0.68	2.94	112.5	20	220	0.55	1.10	0.48	0.92	14.80	10.7	31	2.55	
10700N-300W		0.34	0.009	0.41	3.61	141.5	10	210	0.95	1.33	0.29	0.69	40.0	39.1	34	1.51	
10700N-350W		0.30	0.006	2.30	2.21	51.8	10	170	0.53	0.75	0.41	0.55	24.3	10.8	25	1.12	
10700N-400W		0.24	0.008	1.95	2.68	68.3	10	200	0.95	0.96	0.63	0.90	28.0	39.0	24	1.12	
10700N-450W		0.32	0.006	0.51	2.18	22.8	10	150	0.52	0.83	0.41	0.67	16.10	9.4	23	1.13	
10700N-500W		0.30	0.001	0.27	2.63	17.0	10	180	0.51	0.29	0.15	0.59	11.45	10.0	27	0.61	
10700N-550W		0.34	0.002	0.30	2.19	18.8	10	130	0.46	0.20	0.20	0.71	9.78	8.6	20	0.90	
10700N-600W		0.32	0.009	0.28	1.72	24.2	10	180	0.45	0.43	0.44	0.58	15.35	9.2	21	0.84	
10700N-650W		0.32	0.002	0.27	1.89	18.1	10	190	0.47	0.20	0.39	0.50	18.05	12.0	22	0.56	
10500N-050E		0.32	0.004	0.36	2.13	18.1	10	170	0.43	0.52	0.54	1.39	11.55	12.9	41	0.64	
10500N-100E		0.32	0.006	0.80	2.64	32.0	30	270	0.85	0.73	0.31	0.68	26.7	13.8	37	1.95	
10500N-150E		0.26	0.002	0.50	1.26	22.7	10	120	0.24	0.42	0.14	0.42	9.08	5.3	15	0.45	
10500N-200E		0.20	0.001	0.88	2.24	19.9	20	230	2.40	0.22	0.40	1.38	91.3	15.6	19	1.19	
10500N-0W		0.30	0.001	0.76	2.45	85.0	10	300	0.75	0.82	0.41	1.40	23.5	19.0	29	1.03	
10500N-050W		0.36	0.003	1.48	2.60	22.8	20	190	1.53	0.28	0.51	1.27	35.8	10.3	31	1.13	
10500N-100W		0.30	0.003	1.60	3.06	35.4	10	210	1.49	0.40	0.40	1.19	53.0	8.1	29	1.84	
10500N-150W		0.28	0.003	1.78	1.96	25.8	40	190	0.90	0.40	0.50	0.83	27.7	7.5	20	1.81	
10500N-200W		0.24	0.001	0.59	1.29	14.9	10	140	0.16	0.23	0.09	0.32	8.26	4.1	14	0.38	
10500N-250W		0.28	0.001	0.75	1.92	10.9	10	140	0.25	0.23	0.09	0.41	8.35	4.9	16	0.64	
10500N-300W		0.30	0.001	0.40	1.59	9.6	10	160	0.22	0.23	0.12	0.36	10.20	5.6	17	0.66	
10500N-350W		0.30	0.067	0.16	1.74	13.9	10	140	0.29	0.17	0.16	0.28	9.30	5.4	17	0.56	
10500N-400W		0.36	0.003	0.31	2.01	36.0	10	210	0.40	0.25	0.38	0.74	12.55	11.6	23	0.92	
10500N-450W		0.30	0.001	0.55	2.33	16.4	20	170	0.49	0.15	0.90	1.26	17.65	14.2	25	1.29	
10500N-500W		0.26	0.001	0.74	1.52	469	10	140	0.75	2.13	0.19	1.23	38.5	19.9	32	3.64	
10500N-550W		0.36	0.002	0.32	1.47	31.4	20	240	0.50	0.29	0.26	1.46	20.9	8.6	17	0.77	
10500N-600W		0.30	<0.001	0.49	1.14	42.6	10	180	0.26	0.34	0.24	0.26	18.65	5.2	25	1.26	
10500N-650W		0.34	0.003	0.12	0.92	47.2	10	110	0.15	0.23	0.08	0.23	11.05	3.7	12	0.70	
10500N-700W		0.38	0.001	0.45	2.08	15.4	10	130	0.63	0.13	0.21	0.65	10.80	10.0	20	0.72	
600N-1000E		0.36	0.002	0.34	2.33	14.9	10	120	0.64	0.23	0.36	0.50	17.50	19.0	38	1.65	
600N-1050E		0.26	0.001	1.18	1.86	9.3	10	70	0.21	0.22	0.17	0.26	7.66	7.3	30	0.76	
600N-1100E		0.24	0.008	1.21	2.87	24.7	10	90	0.53	0.82	0.08	0.24	11.15	5.3	23	0.74	
600N-1150E		0.24	0.003	1.64	3.53	11.2	10	70	0.52	0.23	0.15	0.48	18.60	9.4	35	1.22	
600N-1200E		0.26	0.001	0.25	3.32	15.3	10	70	0.40	0.15	0.17	0.43	8.26	10.3	44	1.40	
600N-1250E		0.26	0.001	0.43	2.84	13.2	10	120	0.51	0.24	0.21	0.72	14.95	14.9	43	1.93	
600N-1300E		0.26	0.002	0.27	3.45	17.9	10	100	0.61	0.19	0.18	0.55	13.20	20.5	55	2.03	
600N-1350E		0.28	0.013	0.79	2.29	12.9	10	130	0.61	0.24	0.17	0.44	15.05	14.2	32	1.42	

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 Plus Appendix Pages  
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 Account: RENGO

Project: TRAIL PEAK

**CERTIFICATE OF ANALYSIS TR19232976**

Sample Description	Method Analyte Units LOD	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
		Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm
10700N-750W		28.4	3.99	6.65	<0.05	<0.02	0.05	0.052	0.10	5.9	9.7	0.34	1110	1.78	0.01	0.42
10700N-800W		19.1	3.88	6.44	<0.05	0.04	0.04	0.047	0.07	5.9	10.6	0.36	281	1.76	0.01	0.71
10700N-150W		58.0	4.84	10.30	<0.05	0.08	0.06	0.059	0.09	9.3	15.2	0.63	1700	2.51	0.01	0.64
10700N-200W		66.6	4.06	8.34	0.06	0.06	0.10	0.071	0.06	27.7	11.8	0.36	812	2.46	0.01	1.08
10700N-250W		60.3	6.55	12.85	<0.05	0.02	0.07	0.076	0.10	7.3	22.6	0.60	845	3.41	0.01	1.12
10700N-300W		104.0	6.83	9.02	<0.05	0.10	0.06	0.087	0.10	9.3	22.4	0.74	1510	5.85	0.02	0.66
10700N-350W		65.1	4.22	6.37	<0.05	<0.02	0.08	0.053	0.08	10.8	12.2	0.56	823	2.31	0.02	0.22
10700N-400W		69.2	6.40	6.82	0.06	0.08	0.16	0.056	0.11	15.5	17.7	0.52	3740	4.01	0.01	0.35
10700N-450W		55.3	3.32	6.93	<0.05	<0.02	0.09	0.042	0.06	10.3	16.3	0.52	524	1.74	0.02	0.34
10700N-500W		46.9	4.59	8.59	<0.05	0.05	0.06	0.051	0.05	4.9	14.8	0.47	521	1.83	0.01	0.99
10700N-550W		19.5	3.93	6.45	<0.05	0.02	0.06	0.046	0.05	4.5	14.1	0.42	328	1.60	0.01	0.88
10700N-600W		46.2	3.48	5.76	<0.05	<0.02	0.05	0.042	0.09	7.3	11.4	0.54	731	2.32	0.01	0.18
10700N-650W		32.1	3.83	6.39	<0.05	0.02	0.05	0.043	0.06	7.1	10.7	0.46	776	1.80	0.02	0.30
10500N-050E		28.0	4.67	10.25	<0.05	<0.02	0.04	0.050	0.05	5.8	8.4	0.56	876	1.59	0.01	0.93
10500N-100E		85.2	5.63	11.55	0.07	0.03	0.05	0.069	0.10	11.8	16.6	0.67	1390	2.74	0.02	0.46
10500N-150E		18.1	3.73	9.16	<0.05	<0.02	0.05	0.035	0.04	4.8	3.9	0.15	311	1.44	0.01	0.66
10500N-200E		83.0	3.39	7.67	0.23	0.09	0.08	0.046	0.05	58.8	10.3	0.29	1960	2.94	0.01	0.42
10500N-0W		45.5	5.45	11.50	0.05	0.03	0.08	0.073	0.10	9.0	18.5	0.51	2800	1.89	0.01	0.73
10500N-050W		104.5	3.72	9.06	0.08	0.04	0.12	0.049	0.05	21.2	24.2	0.45	763	2.25	0.01	0.50
10500N-100W		115.0	3.68	9.10	0.10	0.07	0.13	0.069	0.07	32.3	15.1	0.39	496	2.39	0.02	0.65
10500N-150W		91.0	2.49	7.27	0.05	0.03	0.09	0.047	0.07	18.3	6.4	0.30	574	2.10	0.02	0.30
10500N-200W		12.9	3.11	9.29	<0.05	<0.02	0.05	0.028	0.04	4.2	3.8	0.13	201	1.36	0.01	0.55
10500N-250W		17.0	3.03	8.62	<0.05	0.02	0.08	0.037	0.03	4.3	9.8	0.24	269	1.34	0.01	0.77
10500N-300W		12.2	3.60	10.85	<0.05	<0.02	0.05	0.032	0.04	5.2	9.4	0.22	380	1.23	0.01	0.73
10500N-350W		12.5	3.47	9.41	<0.05	0.02	0.04	0.036	0.06	4.9	10.5	0.23	187	1.29	0.01	0.96
10500N-400W		26.7	4.00	8.24	<0.05	0.02	0.04	0.047	0.05	5.2	15.3	0.45	731	1.70	0.01	0.59
10500N-450W		41.7	4.31	7.92	<0.05	0.03	0.05	0.054	0.06	7.6	16.0	0.46	805	1.81	0.01	0.99
10500N-500W		39.2	5.50	6.68	0.05	0.04	0.07	0.112	0.06	18.2	5.4	0.07	1930	2.03	0.01	0.67
10500N-550W		19.1	3.43	7.96	0.05	0.02	0.05	0.041	0.05	19.0	11.8	0.23	412	1.46	0.01	1.03
10500N-600W		7.5	3.06	4.95	<0.05	<0.02	0.03	0.030	0.03	10.3	8.0	0.06	176	1.74	0.01	0.29
10500N-650W		9.6	2.57	6.31	<0.05	<0.02	0.02	0.023	0.04	5.4	2.3	0.12	159	1.68	0.01	0.55
10500N-700W		21.0	3.82	6.66	<0.05	0.09	0.10	0.043	0.04	4.5	13.4	0.37	300	1.61	0.01	0.98
600N-1000E		90.5	5.21	11.80	0.05	0.02	0.07	0.056	0.06	7.4	25.4	0.73	1560	5.59	0.01	0.78
600N-1050E		24.0	4.90	12.75	<0.05	<0.02	0.07	0.043	0.03	3.8	6.3	0.32	355	1.98	0.01	0.99
600N-1100E		32.5	6.22	11.60	<0.05	0.04	0.14	0.054	0.05	5.6	13.9	0.33	278	4.83	0.01	2.13
600N-1150E		34.0	4.45	10.60	0.05	0.06	0.15	0.055	0.05	9.0	17.0	0.53	279	2.03	0.01	1.69
600N-1200E		30.8	5.50	11.85	<0.05	0.03	0.09	0.071	0.05	3.8	20.3	0.68	419	1.44	0.01	1.32
600N-1250E		35.5	5.91	16.50	<0.05	<0.02	0.07	0.058	0.06	7.3	15.6	0.72	658	1.63	0.01	2.19
600N-1300E		45.2	7.10	15.95	0.05	0.03	0.05	0.087	0.05	6.0	22.4	1.06	784	2.06	0.01	1.34
600N-1350E		36.4	5.21	12.10	<0.05	0.02	0.06	0.056	0.05	7.0	13.4	0.42	986	1.92	0.01	1.14

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 Account: REN GEO

Project: TRAIL PEAK

**CERTIFICATE OF ANALYSIS TR19232976**

Sample Description	Method Analyte Units LOD	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
		Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm
		0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.2	0.01	0.01	0.2	0.005
10700N-750W		17.1	1020	15.1	10.3	<0.001	0.04	1.87	2.6	0.2	0.6	40.1	<0.01	0.12	0.2	0.020	
10700N-800W		14.5	760	15.6	9.1	<0.001	0.03	1.53	4.3	0.4	0.6	39.3	<0.01	0.16	0.8	0.027	
10700N-150W		23.2	1850	12.9	10.7	0.001	0.06	0.73	4.6	0.9	0.9	54.9	0.01	0.17	0.3	0.017	
10700N-200W		15.2	1540	20.7	8.0	<0.001	0.07	2.17	2.7	1.0	0.7	47.5	0.01	0.30	0.2	0.014	
10700N-250W		22.1	1340	22.3	15.3	<0.001	0.07	2.08	3.6	0.8	1.0	50.2	<0.01	0.36	<0.2	0.020	
10700N-300W		36.1	950	43.5	8.8	0.002	0.06	3.62	6.7	2.9	0.6	46.6	<0.01	0.41	0.6	0.023	
10700N-350W		21.1	530	19.0	6.8	0.001	0.05	3.21	4.6	1.0	0.5	63.1	<0.01	0.24	0.3	0.024	
10700N-400W		25.9	1620	18.2	10.7	0.003	0.05	1.57	5.1	2.0	0.5	63.8	<0.01	0.21	0.5	0.011	
10700N-450W		18.1	770	13.7	7.4	0.002	0.05	1.19	1.9	0.5	0.6	55.8	<0.01	0.13	<0.2	0.017	
10700N-500W		17.0	860	15.2	3.9	<0.001	0.03	0.71	3.7	0.4	0.7	27.1	<0.01	0.07	0.3	0.013	
10700N-550W		14.2	730	14.3	5.1	<0.001	0.03	0.82	3.9	0.4	0.5	24.8	<0.01	0.09	0.3	0.023	
10700N-600W		15.8	1060	14.7	6.5	0.001	0.06	1.29	3.8	0.3	0.5	56.2	<0.01	0.15	0.3	0.014	
10700N-650W		15.7	1080	17.2	4.5	0.001	0.03	0.92	2.7	0.2	0.5	49.7	<0.01	0.06	<0.2	0.021	
10500N-050E		19.1	1010	13.2	5.2	<0.001	0.02	0.78	4.5	0.3	0.8	27.6	<0.01	0.16	0.2	0.049	
10500N-100E		25.0	1570	14.9	15.2	<0.001	0.08	1.62	4.2	1.2	1.2	57.4	<0.01	0.37	<0.2	0.038	
10500N-150E		8.1	1340	17.1	4.5	<0.001	0.03	1.13	1.2	0.4	0.9	19.9	<0.01	0.16	<0.2	0.016	
10500N-200E		14.5	920	13.5	6.3	0.001	0.05	1.31	2.3	1.5	0.7	59.5	0.02	0.08	<0.2	0.014	
10500N-0W		21.2	2180	31.8	9.2	<0.001	0.06	1.85	2.3	0.6	0.8	51.0	0.01	0.27	<0.2	0.015	
10500N-050W		22.2	1040	14.0	7.3	<0.001	0.04	0.81	3.2	1.1	0.8	56.4	0.01	0.09	<0.2	0.025	
10500N-100W		19.9	1750	20.5	10.1	0.001	0.06	0.93	3.4	1.2	0.8	60.0	0.01	0.10	0.2	0.012	
10500N-150W		14.6	1390	20.0	12.0	<0.001	0.05	0.85	1.9	1.2	1.1	62.0	0.01	0.09	<0.2	0.019	
10500N-200W		7.1	1000	13.1	4.1	<0.001	0.02	0.74	0.9	0.3	0.8	21.2	<0.01	0.06	<0.2	0.013	
10500N-250W		8.7	730	12.9	5.1	<0.001	0.02	0.68	1.9	0.3	0.7	20.1	<0.01	0.06	<0.2	0.012	
10500N-300W		9.1	1690	13.4	5.2	<0.001	0.01	0.52	2.8	0.2	1.0	21.8	<0.01	0.04	0.2	0.029	
10500N-350W		9.5	770	14.1	7.0	<0.001	0.02	0.54	3.5	0.2	0.8	19.4	<0.01	0.06	0.4	0.016	
10500N-400W		16.9	570	16.9	8.7	<0.001	0.02	0.97	3.9	0.3	0.6	35.4	<0.01	0.10	0.2	0.021	
10500N-450W		20.3	870	15.0	7.6	<0.001	0.04	0.63	3.4	0.7	0.7	50.7	<0.01	0.07	0.2	0.023	
10500N-500W		18.5	1750	25.9	9.9	<0.001	0.03	6.11	2.6	0.4	0.8	21.8	0.01	0.09	0.6	0.007	
10500N-550W		9.3	800	15.7	5.8	<0.001	0.03	1.16	2.9	0.3	1.0	32.1	0.02	0.09	0.2	0.028	
10500N-600W		9.6	360	6.5	6.6	<0.001	0.01	1.42	1.1	<0.2	0.4	21.0	<0.01	0.03	1.0	<0.005	
10500N-650W		7.8	610	17.7	5.3	<0.001	0.03	3.03	1.9	0.2	0.7	16.5	<0.01	0.06	0.4	0.027	
10500N-700W		17.4	1000	13.2	5.9	<0.001	0.02	0.80	4.4	0.4	0.6	28.1	<0.01	0.06	0.7	0.019	
600N-1000E		24.7	1210	13.3	15.0	<0.001	0.06	0.82	2.6	0.5	0.9	26.8	<0.01	0.11	<0.2	0.029	
600N-1050E		11.4	1240	11.2	5.7	<0.001	0.03	0.86	2.4	0.4	1.0	7.6	<0.01	0.09	<0.2	0.050	
600N-1100E		8.4	1270	12.2	5.8	<0.001	0.07	1.82	2.6	1.2	1.2	9.3	0.01	0.35	0.4	0.020	
600N-1150E		18.2	650	12.0	5.4	<0.001	0.06	1.07	5.9	1.0	0.7	10.4	<0.01	0.10	0.3	0.052	
600N-1200E		21.0	810	18.7	5.1	<0.001	0.04	1.16	5.3	0.6	0.7	6.9	<0.01	0.08	0.2	0.050	
600N-1250E		20.7	690	16.5	8.1	<0.001	0.03	1.02	5.8	0.4	1.4	13.5	<0.01	0.08	0.2	0.057	
600N-1300E		29.0	810	16.6	7.2	<0.001	0.04	0.95	9.7	0.5	1.0	8.7	<0.01	0.08	0.8	0.112	
600N-1350E		14.4	1030	15.9	8.9	<0.001	0.03	0.86	5.4	0.4	1.0	16.2	<0.01	0.06	0.2	0.039	

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Project: TRAIL PEAK

**CERTIFICATE OF ANALYSIS TR19232976**

Sample Description	Method Analyte Units LOD	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
		Tl ppm 0.02	U ppm 0.05	V ppm 1	W ppm 0.05	Y ppm 0.05	Zn ppm 2	Zr ppm 0.5
10700N-750W		0.09	0.27	75	0.08	3.54	143	<0.5
10700N-800W		0.07	0.22	74	0.08	3.35	102	1.9
10700N-150W		0.15	0.81	85	0.07	13.35	173	2.2
10700N-200W		0.11	0.79	62	0.10	31.6	110	1.5
10700N-250W		0.16	0.57	102	0.14	9.65	174	0.8
10700N-300W		0.21	0.76	91	0.14	13.75	206	2.8
10700N-350W		0.15	0.47	69	0.07	12.05	125	<0.5
10700N-400W		0.21	0.61	69	0.07	21.0	136	1.8
10700N-450W		0.13	0.49	60	0.09	11.15	101	<0.5
10700N-500W		0.09	0.39	88	0.07	3.08	112	1.4
10700N-550W		0.07	0.28	74	0.07	3.66	105	0.8
10700N-600W		0.10	0.38	63	0.05	6.68	106	<0.5
10700N-650W		0.09	0.31	76	0.06	6.47	115	<0.5
10500N-050E		0.08	0.28	116	0.08	5.83	94	<0.5
10500N-100E		0.16	0.69	102	0.19	16.75	175	0.8
10500N-150E		0.08	0.19	83	0.09	2.10	83	<0.5
10500N-200E		0.16	0.75	73	0.19	85.4	108	<0.5
10500N-0W		0.12	0.40	85	0.09	8.95	189	1.0
10500N-050W		0.14	1.19	76	0.14	30.1	134	<0.5
10500N-100W		0.16	1.36	62	0.16	41.9	119	0.9
10500N-150W		0.15	0.79	52	0.16	22.7	87	<0.5
10500N-200W		0.06	0.18	77	0.08	1.66	53	<0.5
10500N-250W		0.08	0.22	62	0.09	2.21	70	0.5
10500N-300W		0.08	0.18	78	0.08	2.05	87	<0.5
10500N-350W		0.07	0.20	79	0.08	2.47	73	0.8
10500N-400W		0.08	0.26	80	0.09	4.50	125	0.5
10500N-450W		0.09	0.43	75	0.12	9.53	140	0.6
10500N-500W		0.11	0.97	77	0.26	8.96	153	1.0
10500N-550W		0.07	0.30	67	0.17	14.60	122	<0.5
10500N-600W		0.05	0.47	69	0.16	0.95	72	0.8
10500N-650W		0.08	0.13	64	0.08	1.66	47	<0.5
10500N-700W		0.07	0.26	70	0.15	4.39	108	2.5
600N-1000E		0.11	0.96	106	0.05	10.70	152	<0.5
600N-1050E		0.07	0.21	136	0.07	2.34	63	<0.5
600N-1100E		0.12	0.59	92	0.12	4.13	66	1.2
600N-1150E		0.12	0.52	97	0.11	11.10	87	2.0
600N-1200E		0.11	0.34	119	0.09	3.28	120	1.0
600N-1250E		0.13	0.44	150	0.07	5.86	146	<0.5
600N-1300E		0.12	0.51	157	0.09	7.00	154	1.4
600N-1350E		0.12	0.47	128	0.08	9.18	118	<0.5

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Project: TRAIL PEAK

**CERTIFICATE OF ANALYSIS TR19232976**

Sample Description	Method Analyte Units LOD	WEI-21	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm
600N-1400E		0.24	0.002	0.53	2.13	18.0	10	90	0.26	0.24	0.15	0.35	8.93	9.5	30	1.18
600N-1450E		0.38	0.002	0.72	2.33	13.6	10	80	0.30	0.20	0.14	0.39	9.66	7.7	29	0.97
600N-1550E		0.22	0.012	1.17	2.95	18.0	10	130	0.81	0.18	0.37	0.51	20.8	7.5	33	1.54
600N-1600E		0.26	0.018	0.50	2.44	25.5	10	100	0.30	0.37	0.15	0.25	9.02	8.3	34	1.01
600N-1650E		0.26	0.002	0.31	3.67	10.4	10	80	0.37	0.10	0.19	0.53	8.85	11.9	42	1.56
600N-1700E		0.22	<0.001	0.59	2.35	19.0	10	70	0.23	0.17	0.13	0.55	11.50	8.6	30	1.48
600N-1750E		0.28	0.001	0.77	3.12	14.4	10	100	0.44	0.13	0.23	1.98	16.45	11.8	38	2.53
600N-1800E		0.26	0.001	0.55	2.40	7.6	10	80	0.24	0.13	0.18	1.01	8.97	7.3	28	1.10
600N-950E		0.28	0.008	1.34	3.48	15.4	40	160	1.48	0.23	0.93	1.35	38.5	22.3	44	5.11
700N-1000E		0.26	0.002	0.92	3.69	21.0	20	190	0.92	0.27	0.35	0.78	28.4	20.3	50	2.40
700N-1050E		0.30	0.002	0.63	2.14	17.9	10	90	0.24	0.23	0.19	0.97	8.80	8.0	28	1.12
700N-1100E		0.22	0.001	0.31	1.50	8.4	10	170	0.27	0.26	0.26	0.21	10.70	8.0	32	0.72
700N-1150E		0.26	0.002	0.67	2.34	6.7	10	110	0.57	0.21	0.24	0.55	11.80	15.3	47	1.73
700N-1200E		0.32	<0.001	0.37	2.50	8.4	10	90	0.37	0.24	0.19	0.30	9.83	15.5	46	1.57
700N-1250E		0.24	0.001	0.26	2.86	11.3	10	60	0.26	0.24	0.16	0.34	7.78	9.2	44	1.62
700N-1300E		0.32	<0.001	0.31	2.02	7.7	10	80	0.20	0.25	0.17	0.24	8.91	6.1	28	1.01
700N-1350E		0.34	0.002	0.57	1.79	12.9	10	100	0.23	0.26	0.16	0.27	8.97	8.4	27	1.27
700N-1400E		0.20	0.001	0.66	2.10	12.9	20	230	0.77	0.29	0.21	0.54	21.4	54.4	34	1.97
700N-1450E		0.30	0.003	1.10	4.02	15.9	10	170	0.88	0.27	0.17	0.65	20.4	11.7	41	1.29
700N-1500E		0.22	0.001	1.98	2.29	13.9	10	150	0.36	0.18	0.21	0.85	9.39	13.8	37	1.72
700N-1600E		0.46	0.002	1.59	2.69	33.1	10	110	2.04	0.19	0.47	0.82	29.5	9.3	25	3.36
700N-1650E		0.22	0.013	1.80	3.88	31.5	10	170	1.62	0.20	1.14	2.27	44.3	23.2	50	4.12
700N-1700E		0.32	0.001	0.25	2.41	13.9	10	140	0.48	0.14	0.47	6.61	13.45	16.6	40	3.46
700N-1750E		0.24	0.001	0.71	2.83	12.4	10	120	0.74	0.11	1.22	4.61	22.2	19.5	42	3.32
700N-1800E		0.30	<0.001	1.53	2.58	17.8	10	60	0.33	0.22	0.15	0.63	8.65	8.2	30	1.79

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Project: TRAIL PEAK

**CERTIFICATE OF ANALYSIS TR19232976**

Sample Description	Method Analyte Units LOD	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
		Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	
600N-1400E		33.5	4.88	11.90	<0.05	<0.02	0.07	0.054	0.05	4.6	11.2	0.51	485	1.61	0.01	0.75	
600N-1450E		25.0	5.41	14.10	<0.05	0.02	0.09	0.050	0.04	4.8	12.6	0.38	284	1.64	0.01	2.22	
600N-1550E		410	3.64	11.25	0.05	0.03	0.14	0.062	0.05	15.8	24.5	0.48	332	1.94	0.01	1.68	
600N-1600E		50.1	5.92	12.25	<0.05	<0.02	0.09	0.063	0.04	4.3	10.6	0.42	577	1.89	0.01	1.15	
600N-1650E		36.4	5.23	10.75	<0.05	0.03	0.10	0.066	0.05	4.1	21.7	0.80	563	1.45	0.01	0.91	
600N-1700E		25.3	6.50	13.20	<0.05	<0.02	0.07	0.063	0.05	4.1	18.5	0.44	524	2.75	0.01	1.72	
600N-1750E		29.3	6.15	12.10	<0.05	<0.02	0.08	0.073	0.05	4.4	35.4	0.77	593	2.00	0.01	1.19	
600N-1800E		23.3	5.07	12.90	<0.05	<0.02	0.08	0.051	0.04	4.4	11.7	0.40	318	1.84	0.01	1.01	
600N-950E		363	4.68	9.96	0.18	0.09	0.12	0.067	0.10	41.5	24.4	0.88	2370	51.0	0.02	0.37	
700N-1000E		111.0	6.13	13.25	0.07	0.07	0.07	0.092	0.08	13.5	25.9	0.92	1770	27.1	0.01	1.78	
700N-1050E		37.8	4.86	10.20	<0.05	<0.02	0.07	0.042	0.05	3.9	8.7	0.44	478	13.80	0.01	1.05	
700N-1100E		21.5	5.42	13.80	<0.05	<0.02	0.10	0.042	0.04	5.2	5.0	0.30	563	5.44	0.01	5.54	
700N-1150E		30.6	5.30	11.15	<0.05	<0.02	0.07	0.052	0.04	4.6	14.1	0.56	1700	2.44	0.01	0.91	
700N-1200E		27.6	5.31	12.90	<0.05	<0.02	0.05	0.052	0.05	4.9	10.0	0.63	704	1.66	0.01	1.64	
700N-1250E		23.7	5.43	12.65	<0.05	<0.02	0.07	0.058	0.04	3.9	13.1	0.70	394	1.63	0.01	1.75	
700N-1300E		18.8	4.31	12.70	<0.05	<0.02	0.05	0.038	0.04	4.5	5.5	0.32	475	1.19	0.01	1.55	
700N-1350E		24.5	4.94	11.20	<0.05	<0.02	0.05	0.042	0.04	4.5	7.4	0.42	701	1.27	0.01	0.59	
700N-1400E		49.1	4.68	9.75	<0.05	<0.02	0.08	0.053	0.06	7.7	9.6	0.42	5640	1.52	0.01	0.30	
700N-1450E		83.2	5.25	13.00	<0.05	0.06	0.08	0.080	0.05	10.7	20.8	0.72	427	1.97	0.02	1.90	
700N-1500E		28.2	4.82	9.99	<0.05	<0.02	0.08	0.049	0.05	4.6	9.7	0.43	3670	1.27	0.02	0.35	
700N-1600E		118.5	2.71	9.15	0.12	0.04	0.15	0.063	0.04	41.5	31.7	0.34	306	2.36	0.02	0.76	
700N-1650E		143.0	6.13	12.05	0.08	0.11	0.08	0.089	0.06	26.1	47.2	1.05	1760	4.67	0.02	1.65	
700N-1700E		31.2	4.45	8.54	<0.05	<0.02	0.04	0.056	0.04	5.0	30.7	0.86	2680	1.60	0.01	0.47	
700N-1750E		45.6	4.58	8.00	<0.05	0.10	0.07	0.055	0.05	9.4	41.7	0.92	2470	1.70	0.02	0.85	
700N-1800E		23.5	5.91	11.20	<0.05	<0.02	0.08	0.059	0.04	4.0	10.7	0.39	563	2.12	0.01	1.12	

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Project: TRAIL PEAK

**CERTIFICATE OF ANALYSIS TR19232976**

Sample Description	Method Analyte Units LOD	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
		Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Tl %
		0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2	0.005
600N-1400E		13.2	1030	16.1	6.5	<0.001	0.03	0.92	2.0	0.4	0.8	10.1	<0.01	0.05	<0.2	0.027
600N-1450E		11.5	1080	13.1	4.8	<0.001	0.03	0.83	4.2	0.4	0.9	9.5	<0.01	0.05	0.2	0.061
600N-1550E		17.6	810	15.9	4.5	0.002	0.07	1.15	2.1	1.8	0.9	16.3	0.01	0.06	<0.2	0.019
600N-1600E		12.9	860	17.3	3.8	<0.001	0.03	1.63	3.1	0.5	0.9	7.0	<0.01	0.14	<0.2	0.042
600N-1650E		22.8	780	11.6	5.3	<0.001	0.03	0.61	6.5	0.5	0.7	7.4	<0.01	0.06	0.3	0.060
600N-1700E		14.7	1870	17.3	5.6	<0.001	0.03	2.16	4.4	0.5	0.9	8.2	<0.01	0.07	0.3	0.050
600N-1750E		24.2	740	25.2	5.2	<0.001	0.03	1.15	4.4	0.7	0.8	12.3	<0.01	0.08	<0.2	0.042
600N-1800E		12.6	660	13.1	4.3	<0.001	0.04	0.61	1.9	0.5	0.9	10.0	<0.01	0.06	<0.2	0.025
600N-950E		27.2	2140	15.5	26.0	0.014	0.09	3.12	6.5	2.7	1.2	67.2	0.01	0.10	0.2	0.037
700N-1000E		28.7	1200	17.8	11.0	0.001	0.04	1.66	6.1	0.9	1.4	32.4	0.01	0.11	0.3	0.023
700N-1050E		13.9	720	17.2	6.2	<0.001	0.05	1.30	2.3	0.3	0.7	11.6	<0.01	0.11	<0.2	0.046
700N-1100E		11.9	1380	11.7	4.8	<0.001	0.03	0.61	3.7	0.3	1.9	11.7	<0.01	0.08	0.2	0.095
700N-1150E		18.1	700	10.8	6.9	<0.001	0.03	0.68	5.0	0.4	0.8	10.1	<0.01	0.07	0.2	0.081
700N-1200E		17.0	1250	10.2	5.8	<0.001	0.03	0.76	6.3	0.3	1.1	7.8	<0.01	0.05	0.4	0.095
700N-1250E		16.0	1130	12.9	5.3	<0.001	0.03	0.85	6.0	0.5	1.0	6.5	<0.01	0.05	0.4	0.086
700N-1300E		10.2	830	11.4	4.4	<0.001	0.04	0.59	2.1	0.3	1.2	8.4	<0.01	0.04	<0.2	0.049
700N-1350E		12.0	950	13.5	6.3	<0.001	0.03	0.74	1.9	0.3	0.9	10.5	<0.01	0.03	<0.2	0.040
700N-1400E		17.3	1350	17.7	10.1	<0.001	0.06	1.16	1.9	0.6	1.0	19.9	<0.01	0.06	<0.2	0.027
700N-1450E		22.2	820	24.2	4.3	0.001	0.05	0.55	4.9	0.6	1.1	18.4	<0.01	0.04	0.2	0.020
700N-1500E		15.1	1560	18.7	7.2	<0.001	0.04	1.10	2.8	0.5	0.7	9.2	<0.01	0.11	<0.2	0.042
700N-1600E		14.7	750	19.6	5.0	0.001	0.07	1.58	3.1	1.4	0.8	22.9	0.01	0.07	<0.2	0.012
700N-1650E		40.6	1350	19.5	6.1	0.004	0.08	2.62	7.8	2.1	1.0	35.2	0.01	0.08	0.4	0.040
700N-1700E		24.2	760	18.9	6.9	0.001	0.03	1.42	7.1	0.8	0.6	16.9	<0.01	0.07	0.3	0.066
700N-1750E		32.9	1250	15.2	6.4	0.001	0.08	1.98	6.6	2.1	0.7	35.3	0.01	0.04	0.3	0.045
700N-1800E		12.6	1270	28.6	4.2	<0.001	0.04	2.01	2.6	0.6	0.8	6.8	<0.01	0.14	<0.2	0.032

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



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 Finalized Date: 7-OCT-2019  
 Account: RENGENO

Project: TRAIL PEAK

**CERTIFICATE OF ANALYSIS TR19232976**

Sample Description	Method Analyte Units LOD	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
		Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.02	0.05	1	0.05	0.05	2	0.5
600N-1400E		0.08	0.33	130	0.09	2.78	109	0.5
600N-1450E		0.07	0.36	128	0.11	3.14	90	0.8
600N-1550E		0.08	1.21	83	0.08	19.50	206	0.5
600N-1600E		0.09	0.30	134	0.07	3.17	77	<0.5
600N-1650E		0.13	0.33	116	0.08	3.88	129	1.2
600N-1700E		0.13	0.26	129	0.10	2.87	268	0.7
600N-1750E		0.14	0.32	119	0.07	4.38	653	<0.5
600N-1800E		0.11	0.31	126	0.07	3.01	108	<0.5
600N-950E		0.47	8.03	109	0.16	72.9	230	0.8
700N-1000E		0.21	2.03	123	0.17	16.35	227	1.4
700N-1050E		0.09	0.35	122	0.08	2.75	90	<0.5
700N-1100E		0.10	0.29	163	0.17	2.22	71	0.8
700N-1150E		0.10	0.65	134	0.08	4.40	101	<0.5
700N-1200E		0.11	0.34	137	0.08	3.54	80	0.6
700N-1250E		0.10	0.33	138	0.08	2.39	83	0.9
700N-1300E		0.12	0.24	138	0.06	1.94	57	<0.5
700N-1350E		0.10	0.28	144	0.05	2.93	95	<0.5
700N-1400E		0.24	0.76	120	0.08	8.28	133	<0.5
700N-1450E		0.11	1.03	116	0.07	15.55	175	1.5
700N-1500E		0.20	0.28	131	0.05	3.11	120	<0.5
700N-1600E		0.12	2.51	57	0.08	120.0	208	<0.5
700N-1650E		0.13	2.27	114	0.08	41.3	859	2.7
700N-1700E		0.17	0.33	102	0.06	6.93	1050	0.5
700N-1750E		0.15	0.48	94	0.06	22.6	1720	2.5
700N-1800E		0.12	0.29	135	0.09	2.88	122	<0.5

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Account: RENGEO

Project: TRAIL PEAK

**CERTIFICATE OF ANALYSIS TR19232976**

CERTIFICATE COMMENTS									
Applies to Method:	<p style="text-align: center;"><b>LABORATORY ADDRESSES</b></p> <p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <table><tr><td>AuME-TL43</td><td>DISP-01</td><td>LOG-22</td><td>SCR-41</td></tr><tr><td>WEI-21</td><td></td><td></td><td></td></tr></table>	AuME-TL43	DISP-01	LOG-22	SCR-41	WEI-21			
AuME-TL43	DISP-01	LOG-22	SCR-41						
WEI-21									



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 Account: RENGEO

**CERTIFICATE TR19235917**

Project: Trail Peak

This report is for 7 Rock samples submitted to our lab in Terrace, BC, Canada on 20-SEP-2019.

The following have access to data associated with this certificate:

RICHARD BILLINGSLEY

LEOPOLD LINDINGER

**SAMPLE PREPARATION**

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
DISP-01	Disposal of all sample fractions
CRU-QC	Crushing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um

**ANALYTICAL PROCEDURES**

ALS CODE	DESCRIPTION
ME-MS41	Ultra Trace Aqua Regia ICP-MS
Au-ICP21	Au 30g FA ICP-AES Finish ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

Signature:

Saa Traxler, General Manager, North Vancouver



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 Finalized Date: 25-OCT-2019  
 Account: RENGEO

Project: Trail Peak

**CERTIFICATE OF ANALYSIS TR19235917**

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	Au-ICP21 Au ppm	ME-MS41 Ag ppm	ME-MS41 Al %	ME-MS41 As ppm	ME-MS41 Au ppm	ME-MS41 B ppm	ME-MS41 Ba ppm	ME-MS41 Be ppm	ME-MS41 Bi ppm	ME-MS41 Ca %	ME-MS41 Cd ppm	ME-MS41 Ce ppm	ME-MS41 Co ppm	ME-MS41 Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.02	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
11S171851		0.74	1.350	0.63	0.43	12.2	1.54	<10	20	0.14	0.43	0.72	0.10	14.35	1.9	23
11S171852		0.76	0.013	0.24	2.47	1.9	<0.02	10	30	0.14	0.15	1.42	0.16	45.6	4.0	53
11S171853		1.00	0.600	1.24	0.70	7.7	0.33	<10	50	0.17	0.67	0.66	0.22	21.4	3.6	44
11S171855		Not Recvd														
11S171856		0.92	0.010	0.29	2.30	27.6	<0.02	<10	70	0.27	0.79	0.35	0.14	16.65	11.8	12
11S171857		0.42	0.002	0.14	2.09	35.8	<0.02	<10	120	0.30	0.26	0.83	0.26	15.50	16.6	31
11S171858		0.68	0.003	0.48	0.17	8.4	<0.02	90	10	0.17	0.91	0.03	0.05	3.05	0.3	4

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



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 Account: REN GEO

Project: Trail Peak

**CERTIFICATE OF ANALYSIS TR19235917**

Sample Description	Method Analyte Units LOD	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Cs ppm 0.05	Cu ppm 0.2	Fe % 0.01	Ga ppm 0.05	Ge ppm 0.05	Hf ppm 0.02	Hg ppm 0.01	In ppm 0.005	K % 0.01	La ppm 0.2	Li ppm 0.1	Mg % 0.01	Mn ppm 5	Mo ppm 0.05	Na % 0.01
11S171851		0.17	1660	1.24	1.62	0.05	0.13	<0.01	0.093	0.03	7.2	2.3	0.16	262	4.43	0.09
11S171852		0.64	271	0.59	2.46	<0.05	0.08	<0.01	0.020	0.23	26.8	5.1	0.27	259	3.35	0.14
11S171853		0.46	3270	1.91	3.21	<0.05	0.11	<0.01	0.025	0.14	10.8	3.6	0.33	244	10.05	0.09
11S171855																
11S171856		0.93	94.5	5.20	10.60	0.08	0.14	<0.01	0.043	0.22	6.4	17.6	1.99	887	3.34	0.06
11S171857		1.58	66.2	4.32	8.00	0.09	0.19	<0.01	0.036	0.48	7.5	20.6	2.00	909	2.46	0.10
11S171858		0.12	8.5	0.32	0.34	<0.05	0.03	0.01	0.005	0.02	1.3	0.3	0.03	46	1.75	0.07

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 Account: REN GEO

Project: Trail Peak

**CERTIFICATE OF ANALYSIS TR19235917**

Sample Description	Method Analyte Units LOD	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb ppm 0.05	Ni ppm 0.2	P ppm 10	Pb ppm 0.2	Rb ppm 0.1	Re ppm 0.001	S % 0.01	Sb ppm 0.05	Sc ppm 0.1	Se ppm 0.2	Sn ppm 0.2	Sr ppm 0.2	Ta ppm 0.01	Te ppm 0.01	Th ppm 0.2
11S171851		0.49	7.2	1730	10.7	1.1	0.002	0.04	2.00	1.2	1.1	1.4	37.5	<0.01	0.13	3.8
11S171852		0.05	9.8	90	9.0	4.9	0.001	0.02	1.44	2.9	<0.2	0.3	52.4	<0.01	0.02	2.6
11S171853		0.34	18.0	1520	6.2	9.3	0.020	0.03	1.60	1.3	0.6	0.6	44.7	<0.01	0.12	5.0
11S171855																
11S171856		0.06	15.9	1280	3.5	11.1	0.001	1.11	1.28	8.6	1.2	0.5	13.2	<0.01	0.47	3.0
11S171857		0.15	24.4	1780	5.2	30.6	0.001	0.39	1.74	9.6	0.4	0.9	28.9	<0.01	0.04	4.5
11S171858		<0.05	0.5	50	20.2	0.8	0.001	0.03	3.63	0.3	0.7	<0.2	4.2	<0.01	0.29	1.3

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Project: Trail Peak

**CERTIFICATE OF ANALYSIS TR19235917**

Sample Description	Method Analyte Units LOD	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
11S171851		0.134	0.04	1.19	57	0.49	7.41	53	2.9
11S171852		0.030	0.08	0.98	26	0.14	3.93	39	2.9
11S171853		0.123	0.05	0.77	66	0.55	7.27	52	3.1
11S171855									
11S171856		0.101	0.14	1.01	165	0.14	11.00	113	3.8
11S171857		0.181	0.23	0.75	121	0.22	10.80	134	4.9
11S171858		0.008	0.02	0.24	3	0.05	1.24	12	1.0

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Account: RENGEO

Project: Trail Peak

**CERTIFICATE OF ANALYSIS TR19235917**

**CERTIFICATE COMMENTS**

**ANALYTICAL COMMENTS**

Applies to Method: ME-MS41  
Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g).

**LABORATORY ADDRESSES**

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.  
Au-ICP21                      CRU-31                      CRU-QC                      DISP-01  
LOG-22                      ME-MS41                      PUL-31                      SPL-21  
WEI-21



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 Account: RENGENO

**QC CERTIFICATE TR19232974**

Project: TRAIL PEAK

This report is for 2 Sediment samples submitted to our lab in Terrace, BC, Canada on 16-SEP-2019.

The following have access to data associated with this certificate:

RICHARD BILLINGSLEY

LEOPOLD LINDINGER

**SAMPLE PREPARATION**

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
DRY-22	Drying - Maximum Temp 60C
SCR-41	Screen to -180um and save both
DISP-01	Disposal of all sample fractions

**ANALYTICAL PROCEDURES**

ALS CODE	DESCRIPTION
AuME-TL43	25g Trace Au + Multi Element PKG

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

Signature:

Saa Traxler, General Manager, North Vancouver





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Project: TRAIL PEAK

**QC CERTIFICATE OF ANALYSIS TR19232974**

Sample Description	Method Analyte Units LOD	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	
		Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.001	0.01	0.01	0.1	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1	0.05	0.2
<b>STANDARDS</b>																
OREAS 905		0.410	0.53	0.73	35.6	10	230	1.00	5.82	0.32	0.35	73.6	14.5	17	1.04	1560
Target Range - Lower Bound		0.331	0.45	0.67	29.9	<10	190	0.78	4.97	0.27	0.30	68.2	12.4	15	1.02	1450
Upper Bound		0.451	0.58	0.84	36.7	20	280	1.08	6.10	0.35	0.38	83.4	15.4	20	1.36	1670
OREAS-45e		0.044	0.26	3.22	13.4	10	140	0.53	0.22	0.03	0.03	17.30	51.1	778	0.62	791
Target Range - Lower Bound		0.042	0.21	2.98	11.2	<10	110	0.29	0.19	<0.01	<0.01	15.90	46.7	763	0.56	659
Upper Bound		0.059	0.28	3.66	13.9	20	170	0.53	0.25	0.05	0.04	19.50	57.3	935	0.83	759
<b>BLANKS</b>																
BLANK		<0.001	<0.01	<0.01	<0.1	10	<10	<0.05	<0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05	<0.2
Target Range - Lower Bound		<0.001	<0.01	<0.01	<0.1	<10	<10	<0.05	<0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05	<0.2
Upper Bound		0.002	0.02	0.02	0.2	20	20	0.10	0.02	0.02	0.02	0.04	0.2	2	0.10	0.4
<b>DUPLICATES</b>																
SCS-006		0.006	2.08	0.67	2.2	<10	180	0.20	6.08	0.17	0.88	12.40	2.8	1	0.60	85.9
DUP		0.003	2.14	0.64	2.3	<10	180	0.20	6.16	0.16	0.90	11.70	2.7	1	0.57	84.7
Target Range - Lower Bound		0.003	1.99	0.61	2.0	<10	160	0.14	5.80	0.15	0.84	11.45	2.5	<1	0.51	82.1
Upper Bound		0.006	2.23	0.70	2.5	20	200	0.26	6.44	0.18	0.94	12.65	3.0	2	0.66	88.5

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 Finalized Date: 4-OCT-2019  
 Account: RENGENO

Project: TRAIL PEAK

**QC CERTIFICATE OF ANALYSIS TR19232974**

Sample Description	Method Analyte Units LOD	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
		Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm
		0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01	0.05	0.2
<b>STANDARDS</b>																
OREAS 905		3.45	5.65	0.09	0.48	0.02	0.595	0.29	36.4	4.1	0.14	323	3.03	0.09	0.10	8.8
Target Range - Lower Bound		3.14	5.37	<0.05	0.38	<0.01	0.517	0.24	33.9	4.0	0.11	289	2.65	0.06	<0.05	7.8
Upper Bound		3.86	6.67	0.19	0.50	0.04	0.643	0.32	41.9	5.1	0.17	365	3.35	0.11	0.21	10.0
OREAS-4Se		25.8	13.75	0.18	0.54	0.01	0.090	0.06	6.6	2.2	0.08	279	1.91	0.03	0.06	404
Target Range - Lower Bound		20.4	11.20	0.24	0.88	<0.01	0.076	0.03	5.7	2.2	0.07	324	1.59	<0.01	0.11	321
Upper Bound		25.0	13.80	0.48	0.88	0.03	0.105	0.08	7.4	2.9	0.12	408	2.05	0.05	0.33	393
<b>BLANKS</b>																
BLANK		<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	<0.1	<0.01	<5	<0.05	<0.01	<0.05	<0.2
Target Range - Lower Bound		<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	<0.1	<0.01	<5	<0.05	<0.01	<0.05	<0.2
Upper Bound		0.02	0.10	0.10	0.04	0.02	0.010	0.02	0.4	0.2	0.02	10	0.10	0.02	0.10	0.4
<b>DUPLICATES</b>																
SCS-006		2.80	3.95	0.05	<0.02	0.03	0.194	0.12	6.7	6.9	0.41	295	137.0	0.01	0.32	0.8
DUP		2.78	3.78	0.05	<0.02	0.03	0.199	0.11	6.4	6.6	0.39	288	138.0	0.01	0.31	0.8
Target Range - Lower Bound		2.64	3.62	<0.05	<0.02	0.02	0.182	0.10	6.0	6.3	0.37	272	130.5	<0.01	0.25	0.6
Upper Bound		2.94	4.11	0.10	0.04	0.04	0.211	0.13	7.1	7.2	0.43	311	144.5	0.02	0.38	1.0

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 Account: RENGO

Project: TRAIL PEAK

**QC CERTIFICATE OF ANALYSIS TR19232974**

Sample Description	Method Analyte Units LOD	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	
		P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm
		10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.01	0.01	0.2	0.005	0.02	
<b>STANDARDS</b>																
OREAS 905		210	15.1	16.5	<0.001	0.07	1.12	1.4	2.5	1.2	12.1	<0.01	0.08	8.2	0.015	0.09
Target Range - Lower Bound			14.2	15.7	<0.001	0.04	0.94	1.3	1.8	0.8	10.9	<0.01	0.04	7.2	<0.005	0.05
Upper Bound			17.8	19.4	0.002	0.09	1.40	1.9	2.8	1.7	13.7	0.02	0.09	9.2	0.026	0.15
OREAS-4Se		280	13.3	7.5	<0.001	0.04	0.47	82.7	1.6	0.9	4.1	<0.01	0.13	10.2	0.075	0.05
Target Range - Lower Bound			11.7	6.7	<0.001	0.02	0.39	70.1	1.3	0.4	3.4	<0.01	0.08	8.3	0.090	<0.02
Upper Bound			14.8	8.4	0.002	0.07	0.70	85.9	2.3	1.3	4.6	0.03	0.13	10.6	0.122	0.10
<b>BLANKS</b>																
BLANK		<10	<0.2	<0.1	<0.001	0.01	<0.05	<0.1	<0.2	<0.2	<0.2	<0.01	<0.01	<0.2	<0.005	<0.02
Target Range - Lower Bound		<10	<0.2	<0.1	<0.001	<0.01	<0.05	<0.1	<0.2	<0.2	<0.2	<0.01	<0.01	<0.2	<0.005	<0.02
Upper Bound		20	0.4	0.2	0.002	0.02	0.10	0.2	0.4	0.4	0.4	0.02	0.02	0.4	0.010	0.04
<b>DUPLICATES</b>																
SCS-006		970	48.1	7.7	<0.001	0.03	2.30	1.2	0.6	0.2	65.8	<0.01	0.79	3.0	0.052	0.06
DUP		970	48.7	7.8	<0.001	0.03	2.42	1.1	0.6	0.2	66.0	<0.01	0.79	3.0	0.048	0.05
Target Range - Lower Bound		910	45.8	7.3	<0.001	0.02	2.13	1.0	0.4	<0.2	62.4	<0.01	0.74	2.7	0.043	0.03
Upper Bound		1030	51.0	8.2	0.002	0.04	2.59	1.3	0.8	0.4	69.4	0.02	0.84	3.4	0.058	0.08

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 Finalized Date: 4-OCT-2019  
 Account: RENGE0

Project: TRAIL PEAK

**QC CERTIFICATE OF ANALYSIS TR19232974**

Sample Description	Method Analyte Units LOD	AuME-TL43 U ppm	AuME-TL43 V ppm	AuME-TL43 W ppm	AuME-TL43 Y ppm	AuME-TL43 Zn ppm	AuME-TL43 Zr ppm
		0.05	1	0.05	0.05	2	0.5
<b>STANDARDS</b>							
OREAS 905		2.14	5	0.53	6.29	59	23.0
Target Range - Lower Bound		1.83	3	0.40	5.85	53	16.8
Upper Bound		2.35	8	0.72	7.27	69	23.9
OREAS-45e		1.62	270	<0.05	5.93	25	23.1
Target Range - Lower Bound		1.41	257	<0.05	4.93	27	23.2
Upper Bound		1.84	317	0.21	6.13	38	32.6
<b>BLANKS</b>							
BLANK		<0.05	<1	<0.05	<0.05	<2	<0.5
Target Range - Lower Bound		<0.05	<1	<0.05	<0.05	<2	<0.5
Upper Bound		0.10	2	0.10	0.10	4	1.0
<b>DUPLICATES</b>							
SCS-006		1.69	28	5.02	1.37	134	<0.5
DUP		1.73	27	4.99	1.34	130	<0.5
Target Range - Lower Bound		1.57	25	4.58	1.24	123	<0.5
Upper Bound		1.85	30	5.43	1.47	141	1.0

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**QC CERTIFICATE TR19232976**

Project: TRAIL PEAK

This report is for 65 Soil samples submitted to our lab in Terrace, BC, Canada on 16-SEP-2019.

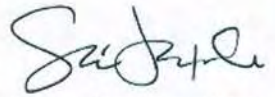
The following have access to data associated with this certificate:

RICHARD BILLINGSLEY	LEOPOLD LINDINGER
---------------------	-------------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-41	Screen to -180um and save both
DISP-01	Disposal of all sample fractions

ANALYTICAL PROCEDURES	
ALS CODE	DESCRIPTION
AuME-TL43	25g Trace Au + Multi Element PKG

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.  
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Signature:   
 Saa Traxler, General Manager, North Vancouver



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Project: TRAIL PEAK

**QC CERTIFICATE OF ANALYSIS TR19232976**

Sample Description	Method Analyte Units LOD	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
		Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.001	0.01	0.01	0.1	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1	0.05	0.2
<b>STANDARDS</b>																
MRGeo08		0.005	4.54	2.66	35.0	10	160	0.82	0.70	1.01	2.27	69.7	20.1	89	10.45	670
Target Range - Lower Bound		0.002	4.00	2.23	29.5	<10	100	0.67	0.58	0.86	2.01	66.2	17.0	79	9.45	587
Upper Bound		0.006	4.92	2.75	36.4	30	160	0.95	0.73	1.08	2.47	81.0	21.0	98	11.65	675
OREAS 252		0.649	0.19	1.58	16.7	10	70	0.71	0.11	0.96	0.18	37.8	33.4	57	0.68	51.2
Target Range - Lower Bound		0.564	0.16	1.48	14.4	<10	40	0.57	0.08	0.89	0.15	36.0	29.5	52	0.57	47.3
Upper Bound		0.766	0.22	1.83	17.8	30	100	0.84	0.14	1.11	0.21	44.0	36.3	66	0.85	54.9
OREAS 905		0.443	0.53	0.69	36.7	10	220	0.97	5.91	0.31	0.36	75.2	14.2	16	1.02	1525
OREAS 905		0.384	0.62	0.71	34.5	10	220	1.04	5.91	0.32	0.32	69.1	14.2	16	1.05	1535
Target Range - Lower Bound		0.331	0.45	0.67	29.9	<10	190	0.78	4.97	0.27	0.30	68.2	12.4	15	1.02	1450
Upper Bound		0.451	0.58	0.84	36.7	20	280	1.08	6.10	0.35	0.38	83.4	15.4	20	1.36	1670
OREAS-4 Se		0.050	0.26	3.09	13.1	10	140	0.50	0.21	0.03	0.02	16.95	50.4	760	0.59	766
OREAS-4 Se		0.043	0.26	3.18	13.5	10	140	0.50	0.25	0.03	0.02	16.10	51.6	761	0.64	742
Target Range - Lower Bound		0.042	0.21	2.98	11.2	<10	110	0.29	0.19	<0.01	<0.01	15.90	46.7	763	0.56	659
Upper Bound		0.059	0.28	3.66	13.9	20	170	0.53	0.25	0.05	0.04	18.50	57.3	935	0.83	769
<b>BLANKS</b>																
BLANK		<0.001	<0.01	<0.01	<0.1	10	<10	<0.05	<0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05	<0.2
BLANK		<0.001	<0.01	<0.01	<0.1	10	<10	<0.05	<0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05	<0.2
BLANK		<0.001	<0.01	<0.01	<0.1	10	<10	<0.05	<0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05	<0.2
Target Range - Lower Bound		<0.001	<0.01	<0.01	<0.1	<10	<10	<0.05	<0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05	<0.2
Upper Bound		0.002	0.02	0.02	0.2	20	20	0.10	0.02	0.02	0.02	0.04	0.2	2	0.10	0.4
<b>DUPLICATES</b>																
10500N-300W		0.001	0.40	1.59	9.6	10	160	0.22	0.23	0.12	0.36	10.20	5.6	17	0.66	12.2
DUP		<0.001	0.39	1.48	9.0	10	150	0.20	0.22	0.11	0.35	9.53	5.2	16	0.61	11.1
Target Range - Lower Bound		<0.001	0.37	1.45	8.7	<10	130	0.15	0.20	0.10	0.33	9.35	5.0	15	0.55	11.0
Upper Bound		0.002	0.42	1.62	9.9	20	180	0.27	0.25	0.13	0.38	10.40	5.8	18	0.72	12.3
700N-1600E		0.002	1.59	2.69	33.1	10	110	2.04	0.19	0.47	0.82	29.5	9.3	25	3.36	118.5
DUP		0.002	1.60	2.54	32.2	10	110	1.90	0.20	0.46	0.80	29.0	8.7	24	3.12	116.5
Target Range - Lower Bound		<0.001	1.51	2.47	30.9	<10	90	1.62	0.18	0.43	0.76	27.8	8.5	22	3.03	113.0
Upper Bound		0.003	1.68	2.76	34.4	20	130	2.12	0.21	0.50	0.86	30.7	9.6	27	3.45	122.0

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 Plus Appendix Pages  
 Finalized Date: 7-OCT-2019  
 Account: REN GEO

Project: TRAIL PEAK

**QC CERTIFICATE OF ANALYSIS TR19232976**

Sample Description	Method Analyte Units LOD	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	
		Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	U ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm
		0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01	0.05	0.2
<b>STANDARDS</b>																
MRGeo08		3.78	9.59	0.10	0.50	0.06	0.151	1.30	34.3	34.7	1.19	385	14.80	0.33	0.27	745
Target Range - Lower Bound		3.22	8.73	<0.05	0.41	0.03	0.137	1.12	32.4	29.1	1.01	336	13.05	0.27	0.22	622
Upper Bound		3.96	10.80	0.24	0.55	0.09	0.179	1.40	40.0	35.7	1.25	422	18.10	0.35	0.46	761
OREAS 252		4.90	4.96	0.06	0.02	0.02	0.027	0.13	16.3	6.6	1.66	486	1.56	0.25	0.09	123.5
Target Range - Lower Bound		4.41	4.82	<0.05	<0.02	<0.01	0.017	0.11	15.4	5.6	1.49	438	1.30	0.22	<0.05	111.0
Upper Bound		5.41	5.76	0.17	0.06	0.04	0.039	0.17	19.2	7.0	1.85	546	1.70	0.30	0.18	135.0
OREAS 905		3.37	5.93	0.09	0.73	0.02	0.610	0.28	36.3	4.6	0.14	314	3.07	0.08	0.12	8.8
OREAS 905		3.40	5.63	0.05	0.68	0.01	0.559	0.28	34.5	4.6	0.14	318	3.10	0.08	0.11	9.3
Target Range - Lower Bound		3.14	5.37	<0.05	0.38	<0.01	0.517	0.24	33.9	4.0	0.11	289	2.65	0.06	<0.05	7.8
Upper Bound		3.86	6.67	0.19	0.50	0.04	0.643	0.32	41.9	5.1	0.17	365	3.35	0.11	0.21	10.0
OREAS-45e		25.0	14.50	0.22	0.56	0.01	0.091	0.05	6.5	2.5	0.07	276	1.90	0.03	0.07	390
OREAS-45e		24.8	13.05	0.14	0.56	0.01	0.084	0.05	6.4	2.4	0.08	272	2.01	0.03	0.07	390
Target Range - Lower Bound		20.4	11.20	0.24	0.68	<0.01	0.076	0.03	5.7	2.2	0.07	324	1.59	<0.01	0.11	321
Upper Bound		25.0	13.80	0.48	0.88	0.03	0.105	0.08	7.4	2.9	0.12	408	2.05	0.05	0.33	393
<b>BLANKS</b>																
BLANK		<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	<0.1	<0.01	<5	<0.05	<0.01	<0.05	<0.2
BLANK		<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	<0.1	<0.01	<5	<0.05	<0.01	<0.05	<0.2
BLANK		<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	0.1	<0.01	<5	<0.05	<0.01	<0.05	<0.2
Target Range - Lower Bound		<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	<0.1	<0.01	<5	<0.05	<0.01	<0.05	<0.2
Upper Bound		0.02	0.10	0.10	0.04	0.02	0.010	0.02	0.4	0.2	0.02	10	0.10	0.02	0.10	0.4
<b>DUPLICATES</b>																
10500N-300W		3.60	10.85	<0.05	<0.02	0.05	0.032	0.04	5.2	9.4	0.22	380	1.23	0.01	0.73	9.1
DUP		3.52	9.69	<0.05	<0.02	0.04	0.032	0.03	4.8	8.0	0.21	368	1.20	0.01	0.79	8.4
Target Range - Lower Bound		3.37	9.71	<0.05	<0.02	0.03	0.025	0.02	4.6	8.2	0.19	350	1.10	<0.01	0.67	8.1
Upper Bound		3.75	10.85	0.10	0.04	0.06	0.039	0.05	5.5	9.2	0.24	398	1.33	0.02	0.85	9.4
700N-1600E		2.71	9.15	0.12	0.04	0.15	0.063	0.04	41.5	31.7	0.34	306	2.36	0.02	0.76	14.7
DUP		2.59	8.47	0.10	0.04	0.15	0.058	0.04	41.7	27.2	0.32	298	2.33	0.01	0.73	13.6
Target Range - Lower Bound		2.51	8.32	<0.05	<0.02	0.13	0.052	0.03	39.3	27.9	0.30	282	2.18	<0.01	0.66	13.2
Upper Bound		2.79	9.30	0.17	0.06	0.17	0.069	0.05	43.9	31.0	0.36	322	2.51	0.02	0.83	15.1

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 Account: REN GEO

Project: TRAIL PEAK

**QC CERTIFICATE OF ANALYSIS TR19232976**

Sample Description	Method Analyte Units LOD	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	
		P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm
		10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2	0.005	0.02
<b>STANDARDS</b>																
MRGeo08		990	1095	140.5	0.008	0.30	2.64	7.4	0.8	3.3	73.7	<0.01	0.03	21.4	0.340	0.84
Target Range - Lower Bound			946	132.0	0.006	0.27	2.10	6.5	0.6	2.8	66.6	<0.01	<0.01	19.1	0.277	0.84
Upper Bound			1155	162.0	0.010	0.35	2.96	8.1	1.5	4.0	81.8	0.03	0.04	23.8	0.349	0.92
OREAS 252		820	11.3	10.5	<0.001	0.02	0.48	5.5	0.2	0.8	78.1	<0.01	0.02	3.4	0.122	0.08
Target Range - Lower Bound		<10	10.1	10.0	<0.001	<0.01	0.31	5.0	<0.2	0.3	74.9	<0.01	<0.01	2.8	0.104	<0.02
Upper Bound		20	12.7	12.4	0.003	0.04	0.61	6.4	0.6	1.1	91.9	0.03	0.04	4.0	0.138	0.12
OREAS 905		220	15.5	16.2	<0.001	0.06	1.16	1.5	2.7	1.3	12.2	<0.01	0.08	8.2	0.014	0.10
OREAS 905		220	14.7	16.4	<0.001	0.06	1.16	1.5	2.2	1.2	11.4	<0.01	0.08	7.8	0.015	0.10
Target Range - Lower Bound			14.2	15.7	<0.001	0.04	0.94	1.3	1.8	0.8	10.9	<0.01	0.04	7.2	<0.005	0.05
Upper Bound			17.8	19.4	0.002	0.09	1.40	1.9	2.8	1.7	13.7	0.02	0.09	9.2	0.026	0.15
OREAS-45e		270	13.2	7.6	<0.001	0.04	0.53	83.9	1.8	1.0	4.0	<0.01	0.15	10.3	0.077	0.05
OREAS-45e		270	12.9	7.3	<0.001	0.04	0.55	82.9	1.5	1.0	3.7	<0.01	0.14	10.2	0.080	0.06
Target Range - Lower Bound			11.7	6.7	<0.001	0.02	0.39	70.1	1.3	0.4	3.4	<0.01	0.08	8.3	0.090	<0.02
Upper Bound			14.8	8.4	0.002	0.07	0.70	85.9	2.3	1.3	4.6	0.03	0.13	10.6	0.122	0.10
<b>BLANKS</b>																
BLANK		<10	<0.2	<0.1	<0.001	<0.01	<0.05	<0.1	<0.2	<0.2	<0.2	<0.01	<0.01	<0.2	<0.005	<0.02
BLANK		<10	<0.2	<0.1	<0.001	0.01	<0.05	<0.1	<0.2	<0.2	<0.2	<0.01	<0.01	<0.2	<0.005	<0.02
BLANK		<10	<0.2	<0.1	<0.001	0.01	<0.05	<0.1	<0.2	<0.2	<0.2	<0.01	<0.01	<0.2	<0.005	<0.02
Target Range - Lower Bound		<10	<0.2	<0.1	<0.001	<0.01	<0.05	<0.1	<0.2	<0.2	<0.2	<0.01	<0.01	<0.2	<0.005	<0.02
Upper Bound		20	0.4	0.2	0.002	0.02	0.10	0.2	0.4	0.4	0.4	0.02	0.02	0.4	0.010	0.04
<b>DUPLICATES</b>																
10500N-300W		1690	13.4	5.2	<0.001	0.01	0.52	2.8	0.2	1.0	21.8	<0.01	0.04	0.2	0.029	0.08
DUP		1640	13.1	4.7	<0.001	0.01	0.52	2.3	0.2	1.0	20.6	<0.01	0.05	0.2	0.025	0.07
Target Range - Lower Bound		1570	12.4	4.6	<0.001	<0.01	0.43	2.3	<0.2	0.8	19.9	<0.01	0.03	<0.2	0.021	0.05
Upper Bound		1760	14.1	5.3	0.002	0.02	0.61	2.8	0.4	1.3	22.5	0.02	0.06	0.4	0.033	0.10
700N-1600E		750	19.6	5.0	0.001	0.07	1.58	3.1	1.4	0.8	22.9	0.01	0.07	<0.2	0.012	0.12
DUP		740	19.4	4.4	0.001	0.07	1.70	2.7	1.6	0.8	21.9	0.01	0.05	<0.2	0.010	0.11
Target Range - Lower Bound		700	18.3	4.4	<0.001	0.06	1.47	2.7	1.2	0.6	21.1	<0.01	0.05	<0.2	<0.005	0.09
Upper Bound		790	20.7	5.0	0.002	0.08	1.81	3.1	1.8	1.0	23.7	0.02	0.07	0.4	0.017	0.14

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



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 Account: RENGEO

Project: TRAIL PEAK

**QC CERTIFICATE OF ANALYSIS TR19232976**

Sample Description	Method Analyte Units LOD	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
		U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.05	1	0.05	0.05	2	0.5
<b>STANDARDS</b>							
MGeo08		5.62	99	2.19	18.20	776	16.4
Target Range - Lower Bound		4.93	88	1.79	16.90	678	13.5
Upper Bound		6.13	109	2.53	20.8	833	19.5
OREAS 252		0.62	41	0.15	12.55	86	2.0
Target Range - Lower Bound		0.48	37	<0.05	11.50	77	0.6
Upper Bound		0.74	47	0.24	14.20	99	3.0
OREAS 905		2.10	5	0.56	6.57	57	34.7
OREAS 905		1.93	5	0.59	6.12	59	30.5
Target Range - Lower Bound		1.83	3	0.40	5.85	53	16.8
Upper Bound		2.35	8	0.72	7.27	69	23.9
OREAS-45e		1.63	262	0.05	6.13	24	23.6
OREAS-45e		1.73	268	<0.05	5.59	24	23.7
Target Range - Lower Bound		1.41	257	<0.05	4.93	27	23.2
Upper Bound		1.84	317	0.21	6.13	38	32.6
<b>BLANKS</b>							
BLANK		<0.05	<1	<0.05	<0.05	<2	<0.5
BLANK		<0.05	<1	<0.05	<0.05	<2	<0.5
BLANK		<0.05	<1	<0.05	<0.05	<2	<0.5
Target Range - Lower Bound		<0.05	<1	<0.05	<0.05	<2	<0.5
Upper Bound		0.10	2	0.10	0.10	4	1.0
<b>DUPLICATES</b>							
10500N-300W		0.18	78	0.08	2.05	87	<0.5
DUP		0.17	75	0.09	1.84	82	<0.5
Target Range - Lower Bound		0.12	72	<0.05	1.80	78	<0.5
Upper Bound		0.23	81	0.10	2.09	91	1.0
700N-1600E		2.51	57	0.08	120.0	208	<0.5
DUP		2.50	54	0.08	120.0	199	<0.5
Target Range - Lower Bound		2.33	52	<0.05	114.0	191	<0.5
Upper Bound		2.68	59	0.10	126.0	216	1.0

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 Account: RENGO

Project: TRAIL PEAK

**QC CERTIFICATE OF ANALYSIS TR19232976**

Sample Description	Method Analyte Units LOD	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
		Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.001	0.01	0.01	0.1	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1	0.05	0.2
		<b>DUPLICATES</b>														
SKS-001		0.001	0.35	5.49	7.7	10	120	1.16	0.08	0.09	0.38	33.9	13.7	16	2.15	45.7
DUP		0.001	0.37	5.47	7.5	10	120	0.99	0.08	0.08	0.38	34.1	12.8	16	2.04	42.5
Target Range - Lower Bound		<0.001	0.33	5.20	7.1	<10	100	0.97	0.07	0.07	0.35	32.3	12.5	14	1.94	42.4
Upper Bound		0.002	0.39	5.76	8.1	20	140	1.18	0.09	0.10	0.41	35.7	14.0	18	2.25	45.8

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Project: TRAIL PEAK

**QC CERTIFICATE OF ANALYSIS TR19232976**

Sample Description	Method Analyte Units LOD	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	
		Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm
		0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01	0.05	0.2
		<b>DUPLICATES</b>														
SKS-001		7.15	10.75	<0.05	0.36	0.16	0.108	0.03	8.8	29.0	0.32	514	2.56	0.01	2.81	7.3
DUP		7.16	10.40	<0.05	0.34	0.17	0.106	0.03	8.9	24.6	0.32	519	2.57	0.01	2.84	6.8
Target Range - Lower Bound		6.79	10.00	<0.05	0.31	0.14	0.097	0.02	8.2	25.4	0.29	486	2.39	<0.01	2.63	6.5
Upper Bound		7.52	11.15	0.10	0.39	0.19	0.117	0.04	9.5	28.2	0.35	547	2.74	0.02	3.02	7.6

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**QC CERTIFICATE OF ANALYSIS TR19232976**

Sample Description	Method Analyte Units LOD	AuME-TL43 P ppm	AuME-TL43 Pb ppm	AuME-TL43 Rb ppm	AuME-TL43 Re ppm	AuME-TL43 S %	AuME-TL43 Sb ppm	AuME-TL43 Sc ppm	AuME-TL43 Se ppm	AuME-TL43 Sn ppm	AuME-TL43 Sr ppm	AuME-TL43 Ta ppm	AuME-TL43 Te ppm	AuME-TL43 Th ppm	AuME-TL43 Tl %	AuME-TL43 Tl ppm
		10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2	0.005	0.02
		<b>DUPLICATES</b>														
SKS-001		830	20.6	7.6	<0.001	0.05	0.24	11.1	0.9	0.7	10.3	<0.01	0.06	2.0	0.049	0.04
DUP		830	20.6	7.3	<0.001	0.05	0.25	10.2	0.7	0.7	10.0	<0.01	0.08	2.0	0.042	0.04
Target Range - Lower Bound		780	19.3	7.0	<0.001	0.04	0.18	10.0	0.6	0.5	9.4	<0.01	0.06	1.7	0.038	<0.02
Upper Bound		880	21.8	7.9	0.002	0.06	0.31	11.3	1.0	0.9	10.9	0.02	0.08	2.3	0.053	0.06

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**QC CERTIFICATE OF ANALYSIS TR19232976**

Sample Description	Method Analyte Units LOD	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
		U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.05	1	0.05	0.05	2	0.5
<b>DUPLICATES</b>							
SKS-001		0.64	85	0.16	17.65	100	12.0
DUP		0.63	84	0.17	17.75	96	11.3
Target Range - Lower Bound		0.55	79	0.10	16.75	91	10.3
Upper Bound		0.72	90	0.23	18.65	105	13.0

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QC CERTIFICATE OF ANALYSIS TR19232976

CERTIFICATE COMMENTS									
Applies to Method:	<p style="text-align: center;"><b>LABORATORY ADDRESSES</b></p> <p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <table><tr><td>AuME-TL43</td><td>DISP-01</td><td>LOG-22</td><td>SCR-41</td></tr><tr><td>WEI-21</td><td></td><td></td><td></td></tr></table>	AuME-TL43	DISP-01	LOG-22	SCR-41	WEI-21			
AuME-TL43	DISP-01	LOG-22	SCR-41						
WEI-21									



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**QC CERTIFICATE TR19235917**

Project: Trail Peak

This report is for 7 Rock samples submitted to our lab in Terrace, BC, Canada on 20-SEP-2019.

The following have access to data associated with this certificate:

RICHARD BILLINGSLEY	LEOPOLD LINDINGER
---------------------	-------------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
DISP-01	Disposal of all sample fractions
CRU-QC	Crushing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	
ME-MS41	Ultra Trace Aqua Regia ICP-MS	
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.  
 \*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

Signature:   
 Saa Traxler, General Manager, North Vancouver





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Project: Trail Peak

**QC CERTIFICATE OF ANALYSIS TR19235917**

Sample Description	Method Analyte Units LOD	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm
<b>STANDARDS</b>																
KIP-19		2.41														
KIP-19		2.46														
Target Range - Lower Bound		2.28														
Target Range - Upper Bound		2.58														
MRGeo08			4.57	2.61	34.1	<0.02	<10	440	0.77	0.67	1.08	2.32	74.9	20.4	92	10.85
Target Range - Lower Bound			4.00	2.44	29.6	<0.02	<10	370	0.67	0.58	1.00	2.01	66.2	17.0	81	9.40
Target Range - Upper Bound			4.92	3.00	36.4	0.04	20	530	0.96	0.73	1.24	2.47	81.0	21.0	102	11.60
OREAS 684		0.253														
OREAS 684		0.254														
Target Range - Lower Bound																
Target Range - Upper Bound																
OREAS 905			0.54	0.79	33.9	0.42	<10	240	0.92	5.70	0.34	0.36	81.1	15.0	17	1.17
Target Range - Lower Bound			0.45	0.73	28.4	0.33	<10	200	0.75	4.97	0.29	0.30	69.7	12.4	15	1.05
Target Range - Upper Bound			0.58	0.91	35.0	0.45	20	300	1.08	6.10	0.38	0.38	85.3	15.4	20	1.39
PK2		4.96														
PK2		4.86														
Target Range - Lower Bound		4.50														
Target Range - Upper Bound		5.07														
PMP-1 8		0.303														
PMP-1 8		0.296														
Target Range - Lower Bound		0.289														
Target Range - Upper Bound		0.327														
<b>BLANKS</b>																
BLANK		0.001														
BLANK		<0.001														
Target Range - Lower Bound		<0.001														
Target Range - Upper Bound		0.002														
BLANK			<0.01	<0.01	<0.1	<0.02	<10	<10	<0.05	0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05
Target Range - Lower Bound			<0.01	<0.01	<0.1	<0.02	<10	<10	<0.05	<0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05
Target Range - Upper Bound			0.02	0.02	0.2	0.04	20	20	0.10	0.02	0.02	0.02	0.04	0.2	2	0.10

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Project: Trail Peak

**QC CERTIFICATE OF ANALYSIS TR19235917**

Sample Description	Method Analyte Units LOD	ME-MS41 Cu ppm	ME-MS41 Fe %	ME-MS41 Ca ppm	ME-MS41 Ge ppm	ME-MS41 Hf ppm	ME-MS41 Hg ppm	ME-MS41 In ppm	ME-MS41 K %	ME-MS41 La ppm	ME-MS41 Li ppm	ME-MS41 Mg %	ME-MS41 Mn ppm	ME-MS41 Mo ppm	ME-MS41 Na %	ME-MS41 Nb ppm
		0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01	0.05
<b>STANDARDS</b>																
KIP-19																
KIP-19																
Target Range - Lower Bound																
Upper Bound																
MRCeo08		629	3.65	9.89	0.12	0.71	0.06	0.155	1.30	37.1	30.6	1.16	425	14.80	0.33	0.87
Target Range - Lower Bound		587	3.22	8.73	0.07	0.64	0.04	0.137	1.12	33.2	29.6	1.03	378	13.10	0.30	0.75
Upper Bound		675	3.98	10.80	0.29	0.83	0.10	0.179	1.40	41.0	36.4	1.29	473	16.10	0.39	1.13
OREAS 684																
OREAS 684																
Target Range - Lower Bound																
Upper Bound																
OREAS 905		1550	3.51	6.43	0.07	1.04	0.02	0.598	0.31	40.9	4.2	0.15	352	3.08	0.09	0.29
Target Range - Lower Bound		1450	3.14	5.45	<0.05	1.02	<0.01	0.517	0.28	34.7	4.0	0.13	310	2.85	0.07	0.18
Upper Bound		1670	3.86	6.77	0.22	1.29	0.04	0.643	0.36	42.9	5.2	0.19	390	3.35	0.12	0.44
PK2																
PK2																
Target Range - Lower Bound																
Upper Bound																
PMP-18																
PMP-18																
Target Range - Lower Bound																
Upper Bound																
<b>BLANKS</b>																
BLANK																
BLANK																
Target Range - Lower Bound		<0.2	<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	<0.1	<0.01	<5	<0.05	<0.01	<0.05
Upper Bound		<0.2	<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	<0.1	<0.01	<5	<0.05	<0.01	<0.05
BLANK		0.4	0.02	0.10	0.10	0.04	0.02	0.010	0.02	0.4	0.2	0.02	10	0.10	0.02	0.10

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 Account: RENGE0

Project: Trail Peak

**QC CERTIFICATE OF ANALYSIS TR19235917**

Sample Description	Method Analyte Units LOD	ME-MS41 Ni ppm	ME-MS41 P ppm	ME-MS41 Pb ppm	ME-MS41 Rb ppm	ME-MS41 Re ppm	ME-MS41 S %	ME-MS41 Sb ppm	ME-MS41 Sc ppm	ME-MS41 Se ppm	ME-MS41 Sn ppm	ME-MS41 Sr ppm	ME-MS41 Ta ppm	ME-MS41 Te ppm	ME-MS41 Th ppm	ME-MS41 Ti %
<b>STANDARDS</b>																
KIP-19																
KIP-19																
Target Range - Lower Bound																
Upper Bound																
MRGeo08		714	1030	1095	148.5	0.008	0.32	3.39	7.1	0.9	3.4	79.9	0.01	0.01	21.7	0.388
Target Range - Lower Bound		622	900	959	132.0	0.006	0.27	2.80	6.7	0.6	2.8	72.1	<0.01	<0.01	19.1	0.338
Upper Bound		780	1130	1175	162.0	0.010	0.35	3.90	8.4	1.5	4.0	88.5	0.03	0.04	23.7	0.424
OREAS 684																
OREAS 684																
Target Range - Lower Bound																
Upper Bound																
OREAS 905		8.8	240	16.1	18.4	<0.001	0.08	1.07	1.7	2.2	1.2	13.2	<0.01	0.06	9.1	0.019
Target Range - Lower Bound		7.8	610	14.4	16.3	<0.001	0.04	0.83	1.5	1.8	0.8	10.9	<0.01	0.04	7.4	0.008
Upper Bound		10.0	770	18.0	20.1	0.002	0.09	1.23	2.0	2.8	1.7	13.7	0.03	0.09	9.4	0.030
PK2																
PK2																
Target Range - Lower Bound																
Upper Bound																
PMP-18																
PMP-18																
Target Range - Lower Bound																
Upper Bound																
<b>BLANKS</b>																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK		<0.2	<10	<0.2	<0.1	<0.001	0.01	<0.05	<0.1	<0.2	<0.2	<0.2	<0.01	<0.01	<0.2	<0.005
Target Range - Lower Bound		<0.2	<10	<0.2	<0.1	<0.001	<0.01	<0.05	<0.1	<0.2	<0.2	<0.2	<0.01	<0.01	<0.2	<0.005
Upper Bound		0.4	20	0.4	0.2	0.002	0.02	0.10	0.2	0.4	0.4	0.4	0.02	0.02	0.4	0.010

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Project: Trail Peak

**QC CERTIFICATE OF ANALYSIS TR19235917**

Sample Description	Method Analyte Units LOD	ME-MS41 Ti ppm 0.02	ME-MS41 U ppm 0.05	ME-MS41 V ppm 1	ME-MS41 W ppm 0.05	ME-MS41 Y ppm 0.05	ME-MS41 Zn ppm 2	ME-MS41 Zr ppm 0.5
<b>STANDARDS</b>								
KIP-19								
KIP-19								
Target Range - Lower Bound								
Upper Bound								
MRCeo08		0.78	5.38	101	2.90	20.1	786	21.1
Target Range - Lower Bound		0.64	4.93	90	2.44	17.50	708	18.1
Upper Bound		0.92	6.13	112	3.42	21.5	870	25.7
OREAS 684								
OREAS 684								
Target Range - Lower Bound								
Upper Bound								
OREAS 905		0.10	2.25	5	0.62	7.47	65	40.5
Target Range - Lower Bound		0.05	1.92	4	0.41	6.32	56	39.9
Upper Bound		0.15	2.46	8	0.73	7.84	72	55.1
PK2								
PK2								
Target Range - Lower Bound								
Upper Bound								
PMP-18								
PMP-18								
Target Range - Lower Bound								
Upper Bound								
<b>BLANKS</b>								
BLANK								
BLANK								
Target Range - Lower Bound		<0.02	<0.05	<1	<0.05	<0.05	<2	<0.5
Upper Bound		<0.02	<0.05	<1	<0.05	<0.05	<2	<0.5
BLANK		0.04	0.10	2	0.10	0.10	4	1.0
Target Range - Lower Bound								
Upper Bound								

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Project: Trail Peak

**QC CERTIFICATE OF ANALYSIS TR19235917**

Sample Description	Method Analyte Units LOD	Au-ICP21 Au ppm	ME-MS41 Ag ppm	ME-MS41 Al %	ME-MS41 As ppm	ME-MS41 Au ppm	ME-MS41 B ppm	ME-MS41 Ba ppm	ME-MS41 Be ppm	ME-MS41 Bi ppm	ME-MS41 Ca %	ME-MS41 Cd ppm	ME-MS41 Ce ppm	ME-MS41 Co ppm	ME-MS41 Cr ppm	ME-MS41 Cs ppm	
		0.001	0.01	0.01	0.1	0.02	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1	0.05	
<b>DUPLICATES</b>																	
ORIGINAL		0.042															
DUP		0.041															
Target Range - Lower Bound		0.038															
Upper Bound		0.045															
11S171856		0.010															
DUP		0.010															
Target Range - Lower Bound		0.009															
Upper Bound		0.012															
ORIGINAL		0.001															
DUP		0.001															
Target Range - Lower Bound		<0.001															
Upper Bound		0.002															
ORIGINAL		<0.001															
DUP		<0.001															
Target Range - Lower Bound		<0.001															
Upper Bound		0.002															
ORIGINAL		<0.001															
DUP		<0.001															
Target Range - Lower Bound		<0.001															
Upper Bound		0.002															

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Project: Trail Peak

**QC CERTIFICATE OF ANALYSIS TR19235917**

Method Analyte Units LOD	ME-MS41 Cu ppm 0.2	ME-MS41 Fe % 0.01	ME-MS41 Ga ppm 0.05	ME-MS41 Ge ppm 0.05	ME-MS41 Hf ppm 0.02	ME-MS41 Hg ppm 0.01	ME-MS41 In ppm 0.005	ME-MS41 K % 0.01	ME-MS41 La ppm 0.2	ME-MS41 Li ppm 0.1	ME-MS41 Mg % 0.01	ME-MS41 Mn ppm 5	ME-MS41 Mo ppm 0.05	ME-MS41 Na % 0.01	ME-MS41 Nb ppm 0.05
Sample Description	DUPLICATES														
ORIGINAL DUP Target Range - Lower Bound Upper Bound															
11S171856 DUP Target Range - Lower Bound Upper Bound															
ORIGINAL DUP Target Range - Lower Bound Upper Bound															
ORIGINAL DUP Target Range - Lower Bound Upper Bound															
ORIGINAL DUP Target Range - Lower Bound Upper Bound															
ORIGINAL DUP Target Range - Lower Bound Upper Bound															

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**QC CERTIFICATE OF ANALYSIS TR19235917**

Sample Description	Method Analyte Units LOD	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm
ORIGINAL DUP Target Range - Lower Bound Upper Bound		0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.2	0.01	0.01	0.2	0.005
DUPLICATES																	
115171856 DUP Target Range - Lower Bound Upper Bound																	
ORIGINAL DUP Target Range - Lower Bound Upper Bound																	
ORIGINAL DUP Target Range - Lower Bound Upper Bound																	
ORIGINAL DUP Target Range - Lower Bound Upper Bound																	
ORIGINAL DUP Target Range - Lower Bound Upper Bound																	

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**QC CERTIFICATE OF ANALYSIS TR19235917**

Sample Description	Method Analyte Units LOD	ME-MS41 TI ppm 0.02	ME-MS41 U ppm 0.05	ME-MS41 V ppm 1	ME-MS41 W ppm 0.05	ME-MS41 Y ppm 0.05	ME-MS41 Zn ppm 2	ME-MS41 Zr ppm 0.5
		<b>DUPLICATES</b>						
ORIGINAL DUP Target Range - Lower Bound Upper Bound								
11S171856 DUP Target Range - Lower Bound Upper Bound								
ORIGINAL DUP Target Range - Lower Bound Upper Bound								
ORIGINAL DUP Target Range - Lower Bound Upper Bound								
ORIGINAL DUP Target Range - Lower Bound Upper Bound								
ORIGINAL DUP Target Range - Lower Bound Upper Bound								

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QC CERTIFICATE OF ANALYSIS TR19235917

**CERTIFICATE COMMENTS**

**ANALYTICAL COMMENTS**

Applies to Method: Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g).  
ME-MS41

**LABORATORY ADDRESSES**

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.  
Au-ICP21 CRU-31 CRU-QC DISP-01  
LOG-22 ME-MS41 PUL-31 SPL-21  
WEI-21

**APPENDIX B – Rock Sample Descriptions and Table 8.2 Soil Sample Locations and Geochemical Results**

**2019 TRAIL PEAK ROCK DESCRIPTIONS**

PROJ	ID	LITHOLOGY	STRUCTURE	ALTERATION
TP	11S171851	FG feldspar ppy diorite. ~20% 1 to 3 mm subhedral white feldspar in a greyish green fg groundmass.	moderate stockwork fracturing. Also subparallel fracture swarms. 5 to 20 mm apart.	Groundmass appears to be pervasively weakly chloritically altered.
TP	11S171852	FG feldspar ppy diorite protolith?. Rock groundmass is bleached white with minor clay and crosscut with mafics? Replaced by black tourmaline. ~10-13% tourmaline as 1 to 3 mm planar cross cutting stockwork veins.	Rock is in a small annealed shear zone. See GPS comments.	Bleached white feldspars.
TP	11S171853	FG feldspar ppy diorite. ~20% 1 to 3 mm subhedral white feldspar in a greyish green fg groundmass.	moderate stockwork fracturing	Groundmass appears to be pervasively weakly chloritically altered.
TP	11S171854	FG feldspar ppy diorite. ~20% 1 to 3 mm subhedral white feldspar in a greyish green fg groundmass. Moderate FeOx stain on weathered fractures.	moderate stockwork fracturing	Groundmass appears to be pervasively weakly chloritically altered. Late minor planar 1-2 mm white calcite veinlets with hairline magnetite along margins.
TP	11S171586	FG feldspar ppy diorite. ~20% 1 to 3 mm subhedral white feldspar in a greyish green fg groundmass. Strong FeOx stain on weathered fractures.	Weak stockwork fracturing.	Groundmass appears to be pervasively weakly chloritically altered.

TP	11S171587	FG feldspar ppy diorite. Very dark rock. ~20% 1 to 3 mm subhedral white feldspar in a dark greyish green fg groundmass. Weak FeOx stan on weathered fractures.	Strong stockwork fracturing	Bleached white feldspars, possible pervasive chlorite.
TP	11S171858	FG feldspar ppy diorite protolith?. Rock groundmass is bleached white with minor clay and crosscut with mafics? Replaced by black tourmaline. ~10-13% tourmaline as 1 to 3 mm planar cross cutting stockwork veins.	Very strong stockwork fracturing.	Bleached white feldspars.
TP	<b>TR4-WE,2</b>	FG feldspar ppy diorite. ~20% 1 to 3 mm subhedral white feldspar in a greyish green fg groundmass.	moderate stockwork fracturing	Groundmass appears to be pervasively weakly chloritically altered.

	Au	Ag	Cu
MINERALIZATION	ppm	ppm	ppm
~tr% secondary magnetite replacing mafics? 5-7 % massive 0.5 to 3 mm early curvilinear and late planar magnetite veinlets. Late chlorite carb planar fractures veinlets host finely disseminated pyrite and chalcopyrite. Cpy weathers to thin malachite coatings.	1.35	0.63	1550
No magnetite or sulphides noted.	0.013	0.24	271
~3% secondary magnetite replacing mafics? 5% massive 0.5 to 3 mm early curvilinear and late planar magnetite veinlets. Late chlorite carb planar fractures veinlets host finely disseminated pyrite and chalcopyrite. Cpy weathers to thin malachite coatings.	0.6	1.24	3270
3-5% secondary magnetite replacing mafics? 5-7 % massive 0.5 to 3 mm early curvilinear and late planar magnetite veinlets. Late chlorite carb planar fractures veinlets host finely disseminated pyrite and chalcopyrite. Cpy weathers to thin malachite coatings.			
~1-2% fine grained unevenly disseminated pale pyrite. 2-3% ~tr% secondary magnetite replacing mafics? 5-7 % massive 0.5 to 3 mm early curvilinear and late planar magnetite veinlets. Late chlorite carb planar fractures veinlets host finely disseminated pyrite and chalcopyrite. Cpy weathers to thin malachite coatings.	0.01	0.29	94.5

Strong magnetite replacement of rock as very fine grained disseminations that 'stans' rock nearly black. At least 10% magnetite.	0.002	0.14	56.2
--	-------	------	------

No magnetite or sulphides noted.	0.003	0.48	8.5
----------------------------------	-------	------	-----

~3-4% fine to medium grained secondary?  
Magnetite.

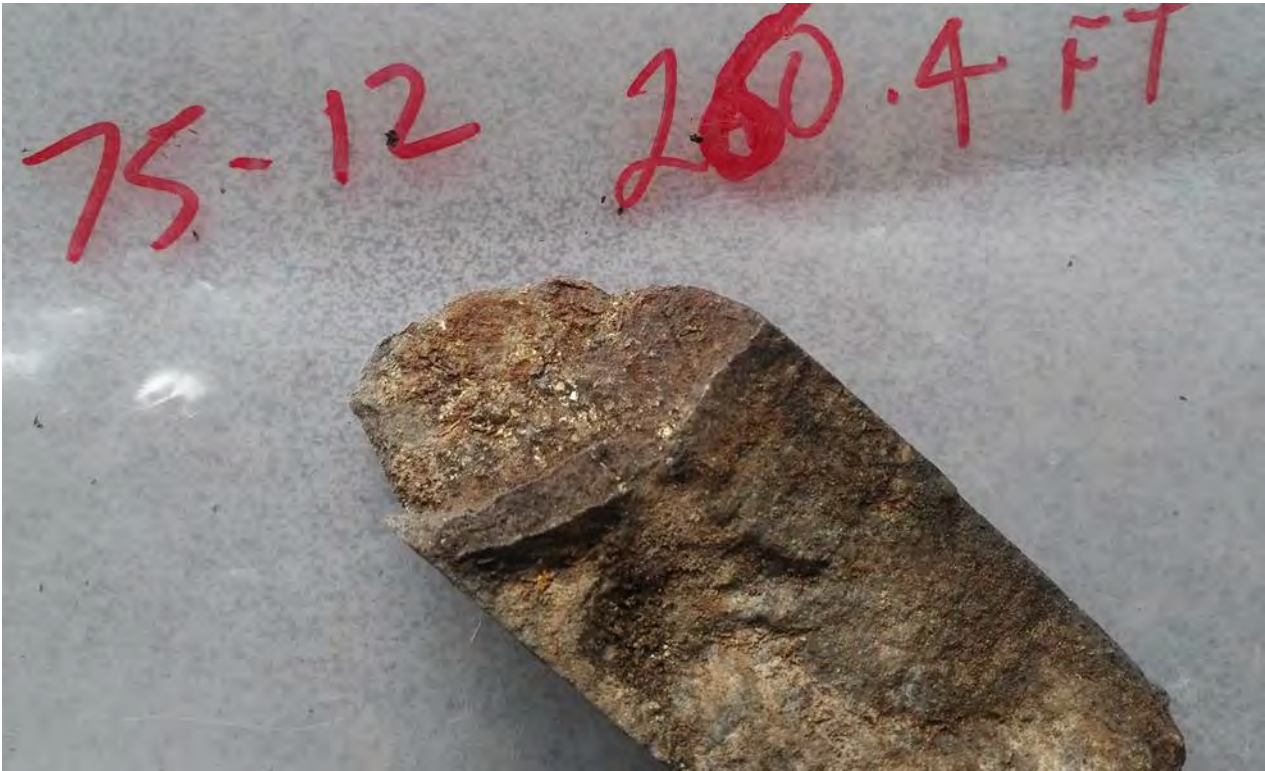
**TABLE 8.2 - SOIL SAMPLE LOCATIONS AND GEOCHEMICAL RESULTS**

SAMPLE ID	UTM EAST	UTM NORTH	AG	AS	BI	CD	CE	CO	CU	LA	MO	ZN
10500N-050E	668444.1	6143107.7	0.36	18.1	0.52	1.39	11.55	12.9	28	5.8	1.59	94
10500N-050W	668355.9	6143072.4	1.48	22.8	0.28	1.27	33.8	10.3	104.5	21.2	2.25	134
10500N-0W	668400	6143090	0.76	85	0.82	1.4	23.5	19	45.5	9	1.89	189
10500N-100E	668488.2	6143125.3	0.8	32	0.73	0.68	26.7	13.8	85.2	11.8	2.74	175
10500N-100W	668311.8	6143054.7	1.6	35.4	0.4	1.19	53	8.1	115	32.3	2.39	119
10500N-150E	668532.4	6143142.9	0.5	22.7	0.42	0.42	9.08	5.3	18.1	4.8	1.44	83
10500N-150W	668267.7	6143037.1	1.78	25.8	0.4	0.83	27.7	7.5	91	18.3	2.1	87
10500N-200E	668576.5	6143160.6	0.88	19.9	0.22	1.38	91.3	15.6	83	58.8	2.94	108
10500N-200W	668223.5	6143019.4	0.59	14.9	0.23	0.32	8.26	4.1	12.9	4.2	1.36	53
10500N-250W	668179.4	6143001.8	0.75	10.9	0.23	0.41	8.35	4.9	17	4.3	1.34	70
10500N-300W	668135.3	6142984.1	0.4	9.6	0.23	0.36	10.2	5.6	12.2	5.2	1.23	87
10500N-350W	668091.2	6142966.5	0.16	13.9	0.17	0.28	9.3	5.4	12.5	4.9	1.29	73
10500N-400W	668047.1	6142948.8	0.31	36	0.25	0.74	12.55	11.6	26.7	5.2	1.7	125
10500N-450W	668002.9	6142931.2	0.55	16.4	0.15	1.26	17.65	14.2	41.7	7.6	1.81	140
10500N-500W	667958.8	6142913.5	0.74	469	2.13	1.23	38.5	19.9	39.2	18.2	2.03	153
10500N-550W	667914.7	6142895.9	0.32	31.4	0.29	1.46	20.9	8.6	19.1	19	1.46	122
10500N-600W	667870.6	6142878.2	0.49	42.6	0.34	0.26	18.65	5.2	7.5	10.3	1.74	72
10500N-650W	667826.5	6142860.6	0.12	47.2	0.23	0.23	11.05	3.7	9.6	5.4	1.68	47
10500N-700W	667782.4	6142842.9	0.45	15.4	0.13	0.65	10.8	10	21	4.5	1.61	108
10700N-150W	668267.7	6143267.1	0.48	23	0.56	0.76	17.2	14.8	58	9.3	2.51	173
10700N-200W	668223.5	6143249.4	1.21	90.5	1.12	1.08	42.5	10.7	66.6	27.7	2.46	110
10700N-250W	668179.4	6143231.8	0.68	112.5	1.1	0.92	14.8	10.7	60.3	7.3	3.41	174
10700N-300W	668135.3	6143214.1	0.41	141.5	1.33	0.69	40	39.1	104	9.3	5.85	206
10700N-350W	668091.2	6143196.5	2.3	51.8	0.75	0.55	24.3	10.8	65.1	10.8	2.31	125
10700N-400W	668047.1	6143178.8	1.95	68.3	0.96	0.9	28	39	69.2	15.5	4.01	136
10700N-450W	668002.9	6143161.2	0.51	22.8	0.83	0.67	16.1	9.4	55.3	10.3	1.74	101
10700N-500W	667958.8	6143143.5	0.27	17	0.29	0.59	11.45	10	46.9	4.9	1.83	112
10700N-550W	667914.7	6143125.9	0.3	18.8	0.2	0.71	9.78	8.6	19.5	4.5	1.6	105
10700N-600W	667870.6	6143108.2	0.28	24.2	0.43	0.58	15.35	9.2	46.2	7.3	2.32	106
10700N-650W	667826.5	6143090.6	0.27	18.1	0.2	0.5	18.05	12	32.1	7.1	1.6	115
10700N-750W	667738.2	6143055.3	0.2	65.8	0.37	0.94	12.45	12.1	28.4	5.9	1.78	143
10700N-800W	667694.1	6143037.7	0.15	52.8	0.53	0.65	11.9	9.1	19.1	5.9	1.76	102
600N-1000E	669000	6143600	0.34	14.9	0.23	0.5	17.5	19	90.5	7.4	5.59	152
600N-1050E	669050	6143600	1.18	9.3	0.22	0.26	7.66	7.3	24	3.8	1.98	63
600N-1100E	669100	6143600	1.21	24.7	0.82	0.24	11.15	5.3	32.5	5.6	4.83	66
600N-1150E	669150	6143600	1.64	11.2	0.23	0.48	18.6	9.4	34	9	2.03	87
600N-1200E	669200	6143600	0.25	15.3	0.13	0.43	8.26	10.3	30.8	3.8	1.44	120
600N-1250E	669250	6143600	0.43	13.2	0.24	0.72	14.95	14.9	35.5	7.3	1.63	146
600N-1300E	669300	6143600	0.27	17.9	0.19	0.55	13.2	20.5	45.2	6	2.06	154
600N-1350E	669350	6143600	0.79	12.9	0.24	0.44	15.05	14.2	36.4	7	1.92	118
600N-1400E	669400	6143600	0.53	18	0.24	0.35	8.93	9.5	33.5	4.6	1.61	109
600N-1450E	669450	6143600	0.72	13.6	0.2	0.39	9.66	7.7	25	4.8	1.64	90
600N-1550E	669550	6143600	1.17	18	0.18	0.51	20.8	7.5	410	15.8	1.94	206
600N-1600E	669600	6143600	0.5	25.5	0.37	0.25	9.02	8.3	50.1	4.3	1.89	77
600N-1650E	669650	6143600	0.31	10.4	0.1	0.53	8.85	11.9	36.4	4.1	1.45	129

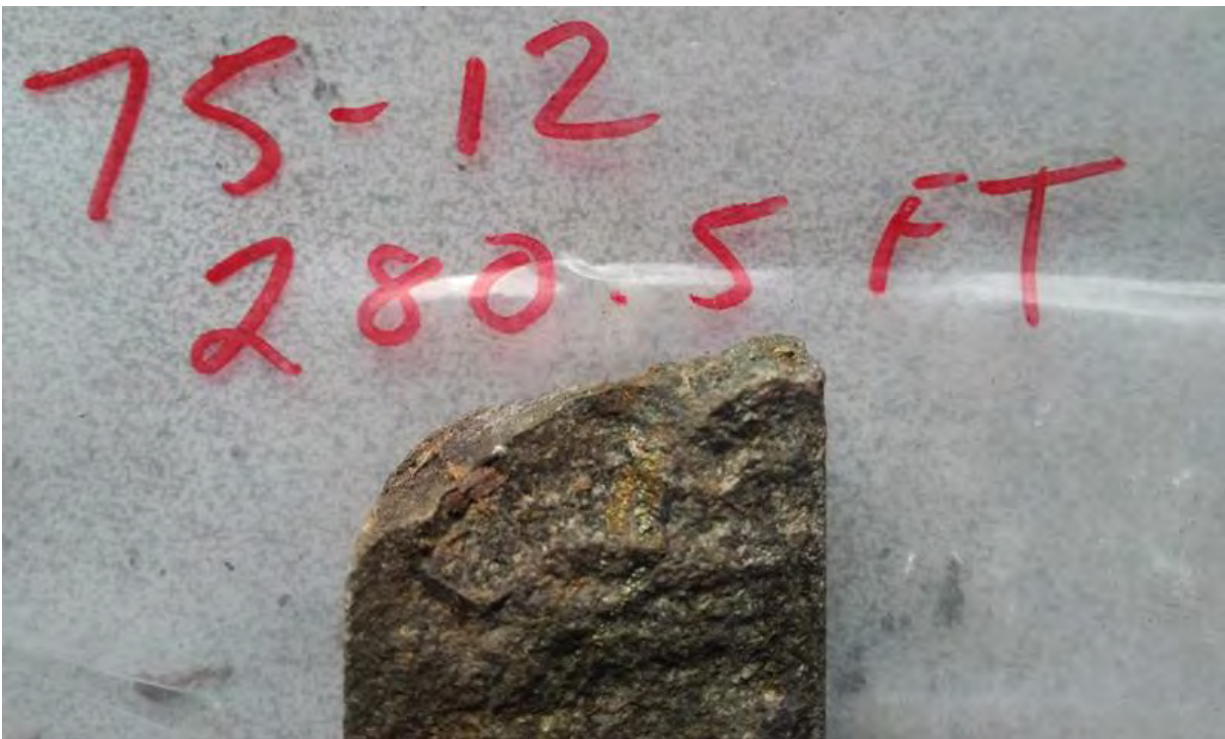
SAMPLE ID	UTM EAST	UTM NORTH	AG	AS	BI	CD	CE	CO	CU	LA	MO	ZN
600N-1700E	669700	6143600	0.59	19	0.17	0.55	11.5	8.6	25.3	4.1	2.75	268
600N-1750E	669750	6143600	0.77	14.4	0.13	1.98	16.45	11.8	29.3	4.4	2	653
600N-1800E	669800	6143600	0.55	7.6	0.13	1.01	8.97	7.3	23.3	4.4	1.84	108
600N-950E	668950	6143600	1.34	15.4	0.23	1.35	38.5	22.3	363	41.5	51	230
700N-1000E	669000	6143700	0.92	21	0.27	0.78	28.4	20.3	111	13.5	27.1	227
700N-1050E	669050	6143700	0.63	17.9	0.23	0.97	8.8	8	37.8	3.9	13.8	90
700N-1100E	669100	6143700	0.31	8.4	0.26	0.21	10.7	8	21.5	5.2	5.44	71
700N-1150E	669150	6143700	0.67	6.7	0.21	0.55	11.6	15.3	30.6	4.6	2.44	101
700N-1200E	669200	6143700	0.37	8.4	0.24	0.3	9.83	15.5	27.6	4.9	1.66	80
700N-1250E	669250	6143700	0.26	11.3	0.24	0.34	7.78	9.2	23.7	3.9	1.63	83
700N-1300E	669300	6143700	0.31	7.7	0.25	0.24	8.91	6.1	18.8	4.5	1.19	57
700N-1350E	669350	6143700	0.57	12.9	0.26	0.27	8.97	9.4	24.5	4.5	1.27	95
700N-1400E	669400	6143700	0.66	12.9	0.29	0.54	21.4	54.4	49.1	7.7	1.52	133
700N-1450E	669450	6143700	1.1	15.9	0.27	0.65	20.4	11.7	83.2	10.7	1.97	175
700N-1500E	669500	6143700	1.98	13.9	0.18	0.85	9.39	13.8	28.2	4.6	1.27	120
700N-1600E	669600	6143700	1.59	33.1	0.19	0.82	29.5	9.3	118.5	41.5	2.36	208
700N-1650E	669650	6143700	1.8	31.5	0.2	2.27	44.3	23.2	143	26.1	4.67	859
700N-1700E	669700	6143700	0.25	13.9	0.14	6.61	13.45	16.6	31.2	5	1.6	1050
700N-1750E	669750	6143700	0.71	12.4	0.11	4.61	22.2	19.5	45.6	9.4	1.7	1720
700N-1800E	669800	6143700	1.53	17.8	0.22	0.63	8.65	8.2	23.5	4	2.12	122
NOTE ALL RESULTS IN PPM												



**APPENDIX C – 2019 Trail Peak Rock and Core Sample Images**

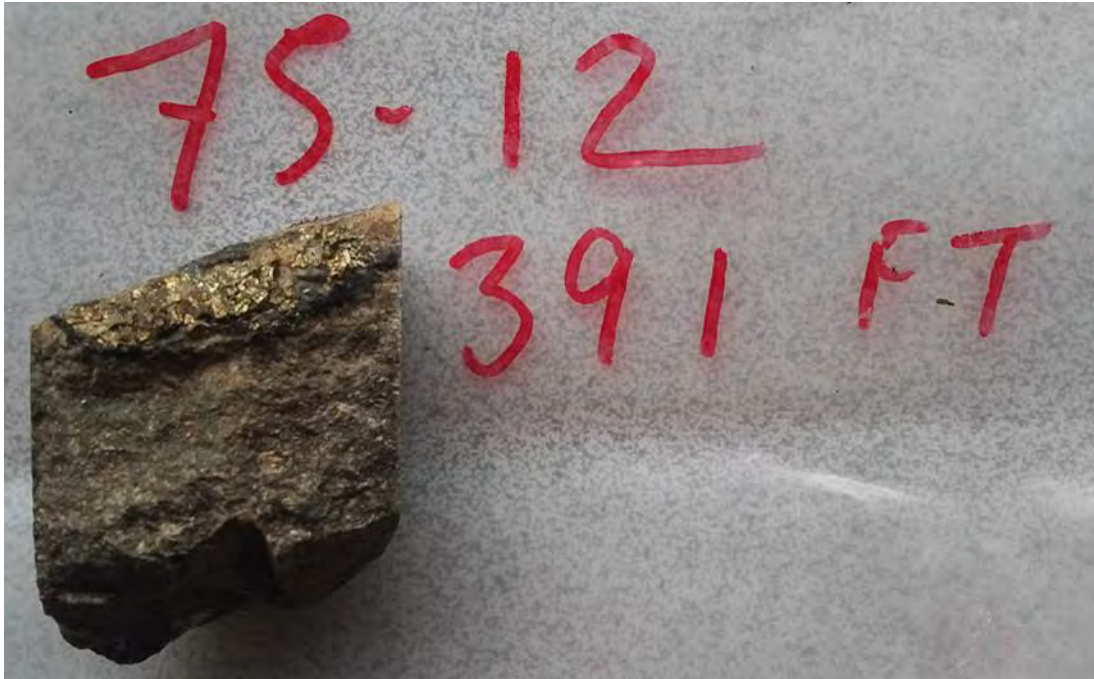


**Py-Cpy mineralization with tourmaline**



**Fracture hosted cpy mineralization**

**Fracture hosted py-cpy mineralization within tourmaline vein**



**Coarse py-cpy mineralization with tourmaline**



1.35 ppm Au, 1550 ppm Cu

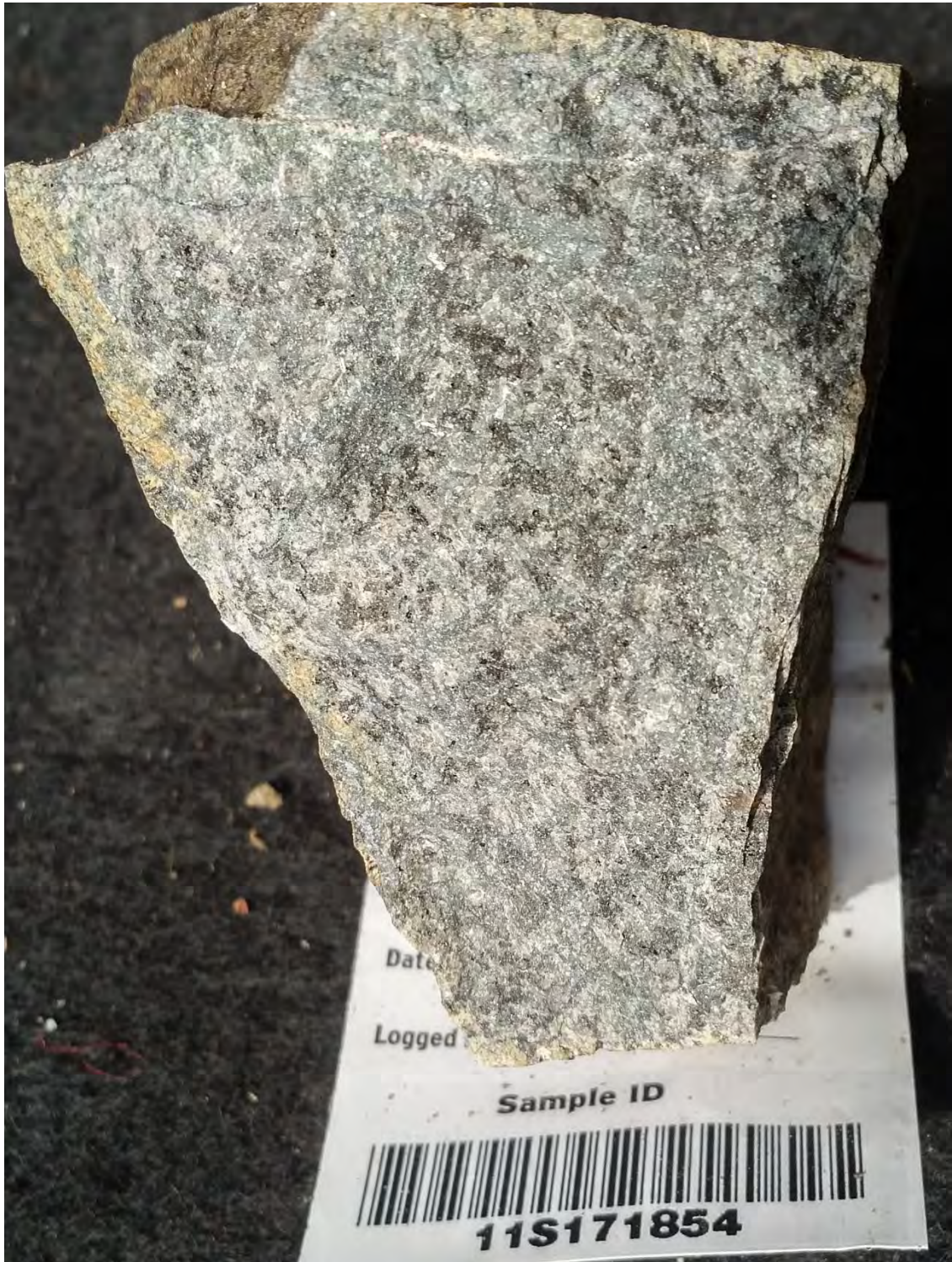


115171852

271 ppm Cu



0.6 ppm Au, 3270 ppm Cu



Date

Logged

Sample ID



11S171854



Sample



11S171856

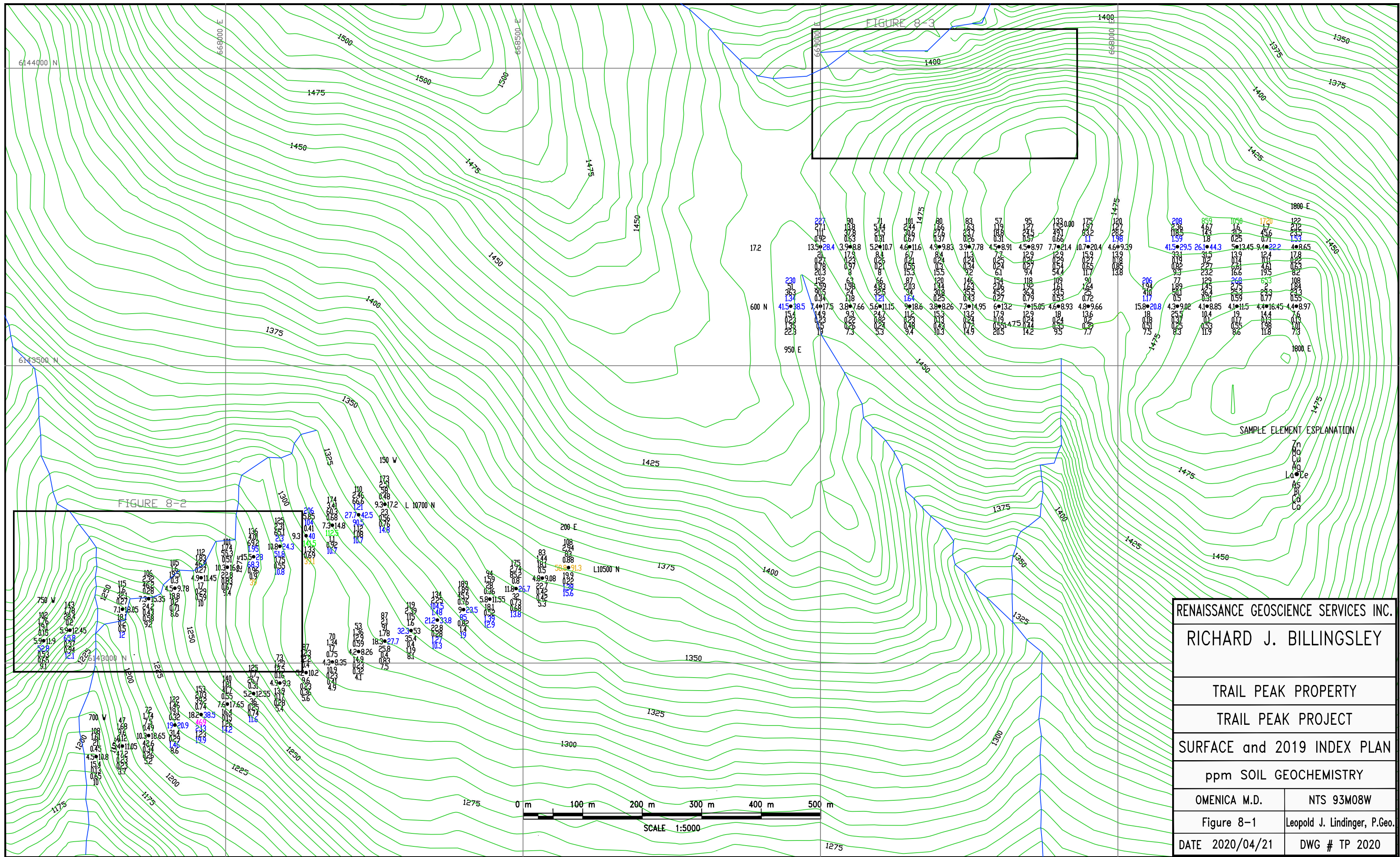




11S171857



**APPENDIX D – Figure 8-1**



RENAISSANCE GEOSCIENCE SERVICES INC.	
RICHARD J. BILLINGSLEY	
TRAIL PEAK PROPERTY	
TRAIL PEAK PROJECT	
SURFACE and 2019 INDEX PLAN	
ppm SOIL GEOCHEMISTRY	
OMENICA M.D.	NTS 93M08W
Figure 8-1	Leopold J. Lindinger, P.Geo.
DATE 2020/04/21	DWG # TP 2020

SAMPLE ELEMENT EXPLANATION

- NO
- CO
- MO
- NO
- NO
- AS
- BR
- CO
- Ca