

**BC Geological Survey
Assessment Report
41121**



Ministry of Energy and Mines
BC Geological Survey

Assessment Report
Title Page and Summary

TYPE OF REPORT [type of survey(s)]: Geochemical & Geological

TOTAL COST: \$16,102.84

AUTHOR(S): Eric Morley

SIGNATURE(S):



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

YEAR OF WORK: 2022

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): Event Number: 5968517 / Date: Jan 27, 2023

PROPERTY NAME: Mt Polley West Property (Contiguous Claims)

CLAIM NAME(S) (on which the work was done): 1091465 (JACOBIE), 1091528 (JACOBIE 2), 1091544 (JACOBIE 1),
1091584 (JACOBIE 3), & 1091612 (JACOBIE 4)

COMMODITIES SOUGHT: Cu & Zn

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: 093A 307, 093A 310, 093A 312, & 093A 318

MINING DIVISION: Cariboo

NTS/BCGS: NTS 093A12)

LATITUDE: 52 ° 32 ' 34 " LONGITUDE: -121 ° 45 ' 54 " (at centre of work)

OWNER(S):

1) Eagle Plains Resources Ltd.

2) _____

MAILING ADDRESS:

Suite 200, 44-12th Ave. S.

Cranbrook, BC, V1C 2R7

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

1) Eagle Plains Resources Ltd.

2) _____

MAILING ADDRESS:

Suite 200, 44-12th Ave. S.

Cranbrook, BC, V1C 2R7

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

Quesnellia, Nicola Group, late Triassic, trachybasalt, polyolithic breccia, carbonate-ankeritelimonite- sericite altered felsite,
quartz porphyry dykes, malachite, chalcocite, covellite, cuprite, azurite, chrysocolla, native copper

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: 26614 & 32283

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			
Ground, mapping	1:5,000 scale; 85.474 ha	1091465,1091528,1091544,1091584,	\$5,780.51
Photo interpretation		& 1091612	
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL			
(number of samples analysed for...)			
Soil	73 rock samples for multi-element analysis	1091528 & 1091465	\$7,432.08
Silt			
Rock	11 rock samples multi-element analysis/fire assay	1091465,1091528,1091544,1091584	\$2,890.25
Other			
DRILLING			
(total metres; number of holes, size)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling/assaying			
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale, area)			
PREPARATORY / PHYSICAL			
Line/grid (kilometres)			
Topographic/Photogrammetric (scale, area)			
Legal surveys (scale, area)			
Road, local access (kilometres)/trail			
Trench (metres)			
Underground dev. (metres)			
Other			
		TOTAL COST:	\$16,102.84

Mt Polley West Property (Contiguous Claims)

Volume I: Assessment Report

2022 Geochemical and Geological Program

Claims: 1091465, 1091528, 1091544, 1091584, 1091612, 1091690, and 1094477

Centre of Work

UTM Zone 10N 0583748 mE, 5822116 mN (NAD83)

52° 32' 34" N, 121° 45' 54" W

(NTS 093A12)

Cariboo Mining Division

Prepared for:

Eagle Plains Resources Ltd.

Suite 200, 44-12th Ave. S.

Cranbrook, BC, V1C 2R7

By:

Eric Morley, B.Sc.

Terralogic Exploration Inc.

Suite 200, 44-12th Ave. S.

Cranbrook, BC, V1C 2R7

January 20th, 2023

SUMMARY

The Mt Polley West (Contiguous Claims) property is comprised of 7 contiguous claims wholly owned by Eagle Plains Resources Ltd. and totalling 1140.357 hectares. The property is located approximately 52 km NNE of Williams Lake, BC.

The property is underlain by the Central Quesnel Belt portion of the Quesnellia terrane, a volcanic island arc which developed to the west of Mesozoic North America during the Upper Triassic to Lower Jurassic. Quesnellia accreted to the Omineca Belt to the east during the Lower Triassic as a result of north-easterly movement of the terrane. The closest major deposit to the property is the Mount Polley Copper-Gold Porphyry Deposit which lies approximately 8km to the east.

Geology within the property area consists primarily of late Triassic Nicola Group. Kikauka (1999) defined the following common lithologies on the property: maroon-coloured trachybasalt, grey-green-coloured trachybasalt, grey-maroon poly lithic breccia, and carbonate-ankerite-limonite-sericite altered felsite. Rare, pinkish quartz porphyry dykes intrude all of the aforementioned units (Fox, 2011).

Four mineral occurrences underlie the tenure. Volcanic rocks at three of these occurrences host malachite, chalcocite, covellite, cuprite, azurite, chrysocolla, and native copper as disseminations, fracture-fill, and amygdaloidal material (Flower, 2016). The last occurrence consists of propylitic-altered basalt near a syenite intrusion with disseminated pyrite and chalcopyrite (Flower, 2016).

In response to the discovery of the Mount Polley deposit in 1964, exploration work increased in the region as other copper porphyry deposits were sought out. In the mid-1960's, a host of companies including Milestone Mining and Development Ltd., New Jersey Zinc Exploration Co., and Chataway Exploration Co Ltd. conducted a series of geophysical surveys and soil sampling programs. After a period of relative quiescence, exploration work increased in intensity in the early 1980's. E & B Explorations Inc., Gibraltar Mines Ltd., Asamera Inc., and a number of other operators completed soil sampling programs, rock sampling campaigns, and geophysical surveying into the 1990's. During this period, several copper occurrences were discovered on the property. Exploration in the 2000's and 2010's has been comparatively more subdued with mainly smaller soil sampling and geological mapping programs.

In 2022, TerraLogic Exploration Inc. conducted a field program at the Mt Polley West (Contiguous Claims) property on behalf of Eagle Plains Resources Ltd., which included soil sampling, rock sampling, and geological mapping. Over the course of the 2-day program, 73 soil samples, 11 rock samples, and 22 geostations were collected. Exploration activity focused mainly on the northeastern corner of property proximal to the historic Gold Master (093A 312) and MJ1 (093A 310) showings.

Work in 2022 confirmed noteworthy copper mineralization on the property as cuprite, malachite, azurite, and chalcocite filling vugs and amygdules in carbonate-altered trachyte. Showings on the property have been interpreted as redbed-style mineralization or extensions of buried porphyry-style mineralization. In 2022, soil sampling assay results returned up to 343 ppb Cu, and rock sampling results returned up to 1005 ppb Cu. The results of the 2022 program confirms that the Mt Polley West (Contiguous Claims) property is prospective for significant copper mineralization.

Advancing the Mt Polley West (Contiguous Claims) property and vectoring to copper mineralization could be achieved through a combination of continued desktop work, soil sampling, trenching, and diamond drilling. Specific recommendations are as follows:

- Compilation work to collect and organize the historical data concerning the property. With 60 years of work and several extensive programs, a considerable dataset already exists for the property, but needs to be compiled into a single database for effective use. Planning for future work will be aided considerably by review of historic data.
- Expansion of the 2022 soil grid to better delineate anomalous copper trends in the northwestern portion of the property near the Gold Master and MJ1 showings.
- Mechanical trenching and channel sampling at historic showings and zones with anomalous copper-in-soil results. Outcrop coverage is poor on the property, but trenching has been used effectively in the past to uncover mineralized rock. Mapping of washed trenches may allow for the observation of structural data that could be an important control for mineralization. Trenching would also de-risk future diamond drilling campaigns.

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1.0 Introduction

1.1 Location and Access

The Mt Polley West (Contiguous Claims) property is located approximately 52 km NNE of Williams Lake, BC (centroid: 583,748 mE, 5,822,116 mN [NAD83]; Figure 1). In summer, access to the property is gained by driving the all-weather Jacobie Lake Forestry Road 3.5 km east from the paved Likely Road. The Jacobie Lake Forestry Road may not be plowed in the winter and snowmobiles may be required to reach the property.

1.2 Climate and Physiography

The project area is situated in central British Columbia at approximately 1150m above sea level surrounded by broad, rolling hills. The property is centred on Jacobie Lake which has a small recreation site on its northern shore. Forest cover consists of pine, spruce, cedar, birch, alder, and poplar. Outcrop exposure is generally poor across the property with the majority of outcrop consisting of road cuts along old logging roads.

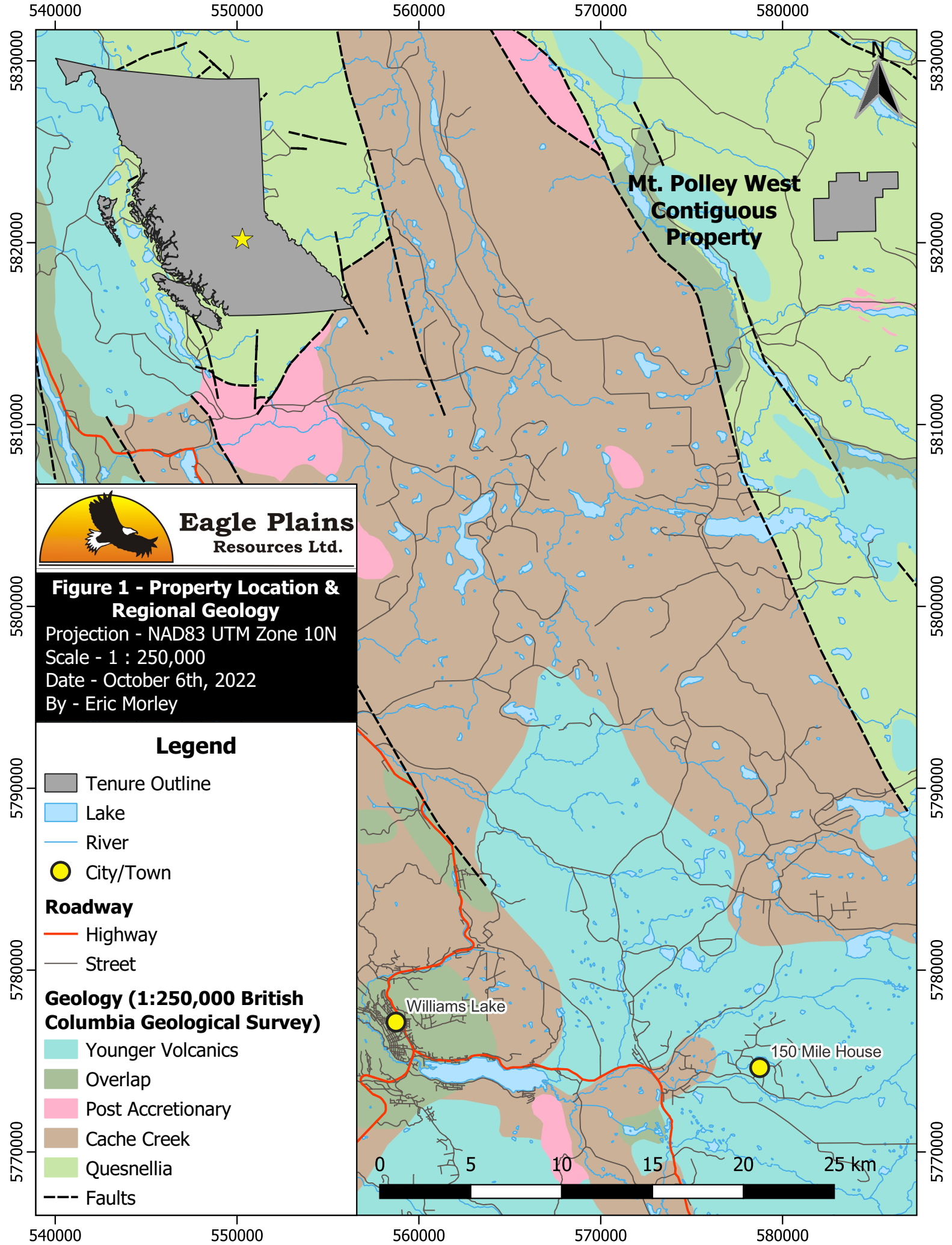
Average monthly temperatures at the nearby Mount Polley mine site range from 15.3° C in July/August to -6.0°C in January. Jacobie Lake is typically iced over from mid-November to mid-May. The property typically experiences around 670mm of annual precipitation.

1.3 Dispositions and Owners/Joint Ventures

The property is comprised of 7 claims that were staked in January and March 2022. The tenure totals 1140.357 ha and is 100 % owned by Eagle Plains Resources Ltd. (Table 1; Figure 2).

Table 1: Tenure Summary

Tenure Number	Claim Name	Owner	Issue Date	Good To Date	Status	Area (ha)
1091465	JACOBIE	EAGLE PLAINS RESOURCES LTD.	2022-01-27	2023-01-27	GOOD	58.973
1091528	JACOBIE 2	EAGLE PLAINS RESOURCES LTD.	2022-01-27	2023-01-27	GOOD	176.951
1091544	JACOBIE 1	EAGLE PLAINS RESOURCES LTD.	2022-01-27	2023-01-27	GOOD	78.628
1091584	JACOBIE 3	EAGLE PLAINS RESOURCES LTD.	2022-01-27	2023-01-27	GOOD	570.164
1091612	JACOBIE 4	EAGLE PLAINS RESOURCES LTD.	2022-01-27	2023-01-27	GOOD	19.656
1091690	JACOBIE 5	EAGLE PLAINS RESOURCES LTD.	2022-01-27	2023-01-27	GOOD	58.985
1094477	JACOBIE 6	EAGLE PLAINS RESOURCES LTD.	2022-03-30	2023-03-30	GOOD	177.001
					Total	1140.357



Eagle Plains
Resources Ltd.

Figure 1 - Property Location & Regional Geology

Projection - NAD83 UTM Zone 10N
Scale - 1 : 250,000
Date - October 6th, 2022
By - Eric Morley

Legend

■ Tenure Outline

■ Lake

— River

● City/Town

Roadway

— Highway

— Street

Geology (1:250,000 British Columbia Geological Survey)

■ Younger Volcanics

■ Overlap

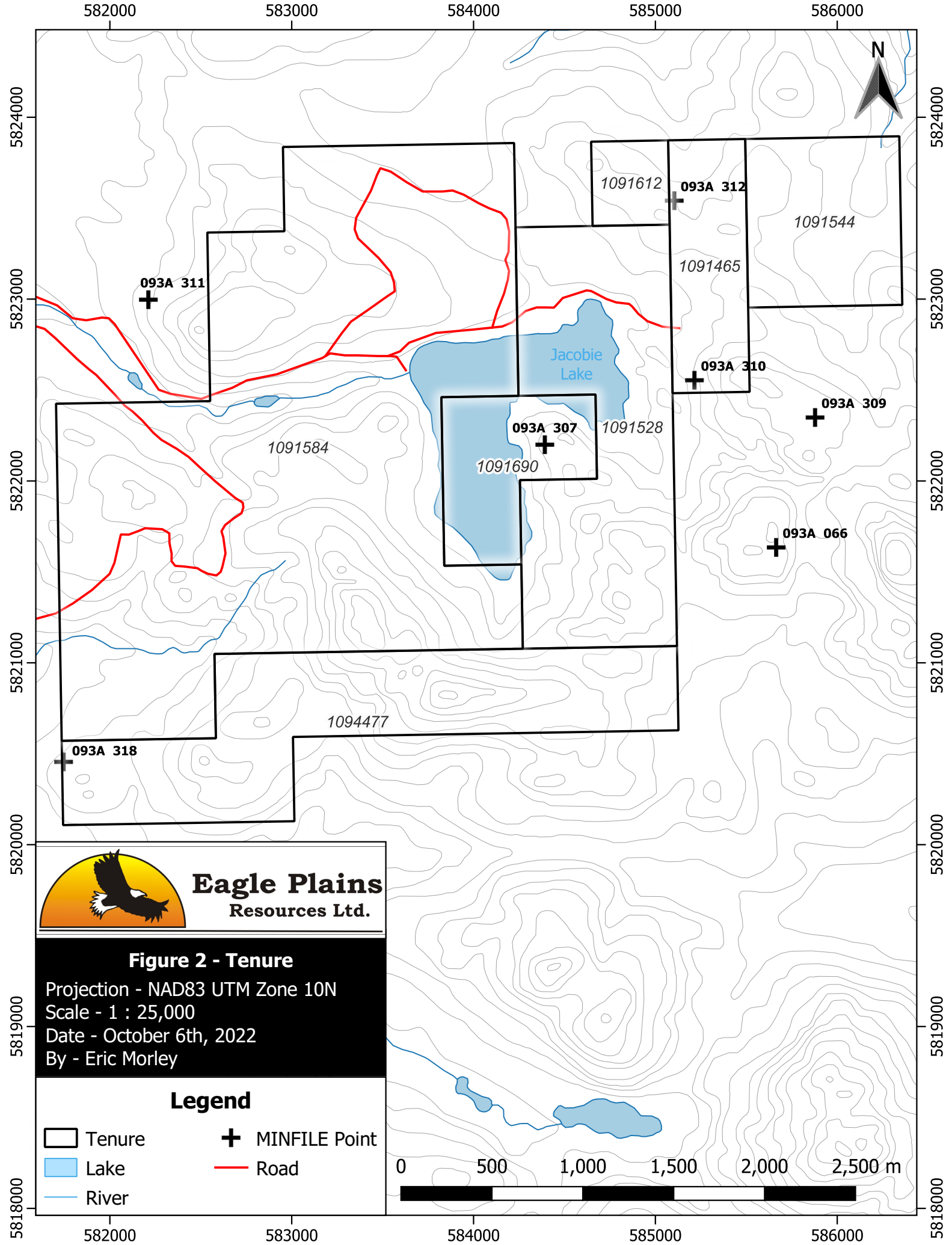
■ Post Accretionary

■ Cache Creek

■ Quesnellia

--- Faults










Eagle Plains
Resources Ltd.

Figure 2 - Tenure

Projection - NAD83 UTM Zone 10N
 Scale - 1 : 25,000
 Date - October 6th, 2022
 By - Eric Morley

Legend

-  Tenure
-  Lake
-  River
-  MINFILE Point
-  Road

2.0 Exploration History

In response to the discovery of the Mount Polley deposit in 1964, exploration work increased in the region as other copper porphyry deposits were sought out. In the mid-1960's, a host of companies including Milestone Mining and Development Ltd., New Jersey Zinc Exploration Co., and Chataway Exploration Co Ltd. conducted a series of geophysical surveys and soil sampling programs. After a period of relative quiescence, exploration work increased in intensity in the early 1980's. E & B Explorations Inc., Gibraltar Mines Ltd., Asamera Inc., and a number of other operators completed soil sampling programs, rock sampling campaigns, and geophysical surveying into the 1990's. During this period, several copper occurrences were discovered on the property. Exploration in the 2000's and 2010's has been comparatively more subdued with mainly smaller soil sampling and geological mapping programs. Table 2 outlines exploration programs conducted in or near the property.

Table 2: Exploration History Summary

Assessment Number	Report Year	Company	Work Completed
00815	1966	Milestone Mining and Development Ltd.	Ground induced polarization geophysical survey
00871	1966	New Jersey Zinc Exploration Co.	371 soil samples, 24200 ft of line cutting, and ground magnetic geophysical survey. Scattered Cu anomalous samples and subdued magnetic anomalies
00885	1966	Chataway Exploration Co Ltd.	Soil sampling geochemical survey resulting in the delineation of 6 geochemical anomalies.
01097	1967	Milestone Mining and Development Ltd.	Limited electromagnetic surveying, prospecting, and soil sampling. Field observation of copper staining and geophysical anomalies.
01644	1968	Milestone Mining and Development Ltd.	5.06 line-miles of ground induced polarization geophysical surveying. One large causitive body interpreted to be responsible for anomaly.
04683	1972	Sunshine Valley Minerals Inc.	Geological mapping and soil geochemical sampling.
09603	1981	GAVEX A Resource Corporation Ltd.	Seismic refraction survey covering 4 locations.
10265	1981	E & B Explorations Inc.	4 soil samples, 9 rock chip samples, and 7 line-km of induced polarization geophysical surveying. A large chargeability anomaly was identified.
11349	1983	Gibraltar Mines Ltd.	222 soil samples collected with anomalous copper results indicating bedrock sources.
12314	1984	E & B Explorations Inc.	Geological mapping and collection of 14 rock samples with some anomalous results returned.

Assessment Number	Report Year	Company	Work Completed
12589	1984	E & B Explorations Inc.	50 rock samples, 238 soil samples, and geological mapping with limited anomalous results.
12596	1984	Gibraltar Mines Ltd.	169 soil samples collected with a scattered distribution of anomalous results.
12692	1984	Pearl Resources Ltd.	144 soil samples with a number of anomalous results.
12903	1984	Rockridge Mining Corp.	628 soil/rock samples and 27 line-km of airborne electromagnetic/magnetic geophysical surveying. Geophysical surveying delineated several weak anomalies and several rock samples returned significant results.
13430	1984	Asamera Inc.	62.545 line-km of line cutting, 1:5,000 scale geological mapping, 673 soil samples, 22 humus samples, 10 silt samples, 53 rock lithochemical samples, and ground VLF-magnetic geophysical surveying was completed. Two areas were identified for potential gold mineralization. Discovery of Gold Master showing.
14635	1986	E & B Explorations Inc.	177.05m over 3 holes of reverse circulation drilling. No significant results were returned.
20792	1991	Pamicon Developments Ltd.	38 grab and channel samples were collected. Up to 7.29% Cu was returned from rock sampling.
21516	1991	James Burdett & Craig Boruck	Prospecting traverses with little copper mineralization identified.
21584	1991	Pamicon Developments Ltd.	37 rock chip samples, 272 soil samples, and 7 deep overburden Vibracore samples were collected resulting in the discovering of several prospective zones, including the JC 8 showing.
23549	1994	James Burdett	545 magnetic geophysical survey readings and geological mapping was completed.
24566	1996	Big Valley Resources Ltd.	645 soil samples were collected, returning numerous small copper-gold anomalies.
25261	1997	James Burdett	11.55 line-km of magnetic and conductivity geophysical surveying.
25717	1998	Big Valley Resources Ltd.	617 soil samples were collected with scattered anomalous results.
25960	1999	Globex Mining Entreprises Inc.	5.6 line-km of ground magnetic geophysical surveying, 230m of trenching and chip sampling. Economic grades of copper were returned from chip sampling with up to 7.12% Cu over 5m.
26614	2001	Phelps Dodge Corporation of Canada Ltd.	143 soil samples and 23 rock samples collected result in some economic copper rock samples.
27752	2005	L. Addie	26 till samples were collected with several samples returning over 100 ppb Au.
28000	2005	Valley High Ventures Ltd.	Geological mapping at 1:10,000 scale.
32283	2011	Eagle Peak Resources Inc.	77 soil samples and 6 rock samples collected with significant grab sample results.

Assessment Number	Report Year	Company	Work Completed
34223	2013	Eagle Peak Resources Inc.	600.1m of diamond drilling over 3 holes returned no significant results.
37266	2018	David Bridge	Limited geological mapping program.
37963	2018	David Bridge	Limited geological mapping program.

3.0 Regional Geology

The property is underlain by the Central Quesnel Belt portion of the Quesnellia terrane, a volcanic island arc which developed to the west of Mesozoic North America during the Upper Triassic to Lower Jurassic. Quesnellia accreted to the Omineca Belt to the east during the Lower Triassic as a result of north-easterly movement of the terrane. The terrane is bound to the east by the Eureka thrust and to the west by the Quesnel fault (Bailey, 1990; Struik, 1983). Metamorphic grade of the Central Quesnel Belt is typically subgreenschist facies. The island arc and associated sedimentary rocks of Quesnellia are intruded by Upper Triassic-Lower Jurassic alkalic intrusions and Cretaceous calcalkalic intrusions. The most dominant phase of folding (F₁), low-angle thrust faulting, and foliation developed as a result of the collision of Quesnellia and North America (Bailey, 1990). Major strike-slip faulting also occurred post-accretion (Bailey, 1990).

The closest major deposit to the property is the Mount Polley Copper-Gold Porphyry Deposit which lies approximately 8km to the east. The magmatic centre is late Triassic in age and extends 6km by 4km. Mineralization occurs in breccias and stockwork veins within the intrusion or in the surrounding country rock (Brown et al., 2016).

4.0 Property Geology

Geology within the property area consists primarily of late Triassic Nicola Group. The Nicola Group consists of mainly sedimentary Middle to early late Triassic rocks overlain by Late Triassic submarine, trachybasaltic volcanics, tuffs, and volcanoclastic breccias (Brown et al., 2016). Kikauka (1999) defined the following common lithologies on the property:

- Trachybasalt, maroon colour, pyroxene-phyric alkali basalt pillow lava and breccia
- Trachybasalt, grey-green colour, pyroxene-phyric alkali basalt pillow lava and breccia
- Mafic grey-maroon polyolithic breccia
- Felsite, with carbonate-ankerite-limonite-sericite

Rare, pinkish quartz porphyry dykes intrude the aforementioned units (Fox, 2011).

Carbonate alteration is common on the property as pervasive impregnations, veinlets, and amygdules. Less common epidote and chlorite alteration has also been observed by workers (Kikauka, 1999).

Four mineral occurrences underlie the tenure (Table 2). Volcanic rocks at three of these occurrences, namely 093A 307, 093A 310, and 093A 312, host malachite, chalcocite, covellite, cuprite, azurite, chrysocolla, and native copper as disseminations, fracture-fill, and amygdaloidal material (Flower, 2016). The last occurrence, 093A 318, consists of propylitic-altered basalt near a syenite intrusion with disseminated pyrite and chalcopyrite (Flower, 2016). Table 3 summarizes the four mineral occurrences underlying the property.

Table 3: Mineral Occurrences Summary

MINFILE Number	MINFILE Name	Status	Deposit Type	Notes
093A 307	JACOBE 2	Showing	Volcanic Redbed Cu	Chalcocite, covellite, cuprite, malachite, azurite, chrysocolla, and native copper as disseminations, fracture fillings and in amygdules. In 1984, 2 rock samples assayed 0.480% and 0.143% Cu.
093A 310	MJ 1	Showing	Volcanic Redbed Cu	Chalcocite, covellite, cuprite, malachite, azurite, chrysocolla, and native copper as disseminations, fracture fillings and in amygdules. In 1990, 2 rock samples assayed 2.64% and 1.43% Cu.
093A 312	GOLD MASTER	Showing	Volcanic Redbed Cu	Amygdaloidal-porphyrific basalt flows and flow breccias hosting malachite and lesser native copper. In 1984, 2 rock samples assayed 0.378% and 0.680% Cu.
093A 318	JC 8	Showing	Undefined	Propylitic-altered basalts near a syenite intrusive hosts disseminated pyrite and chalcopyrite. In 1991, 1 sample assayed 0.191% Cu.

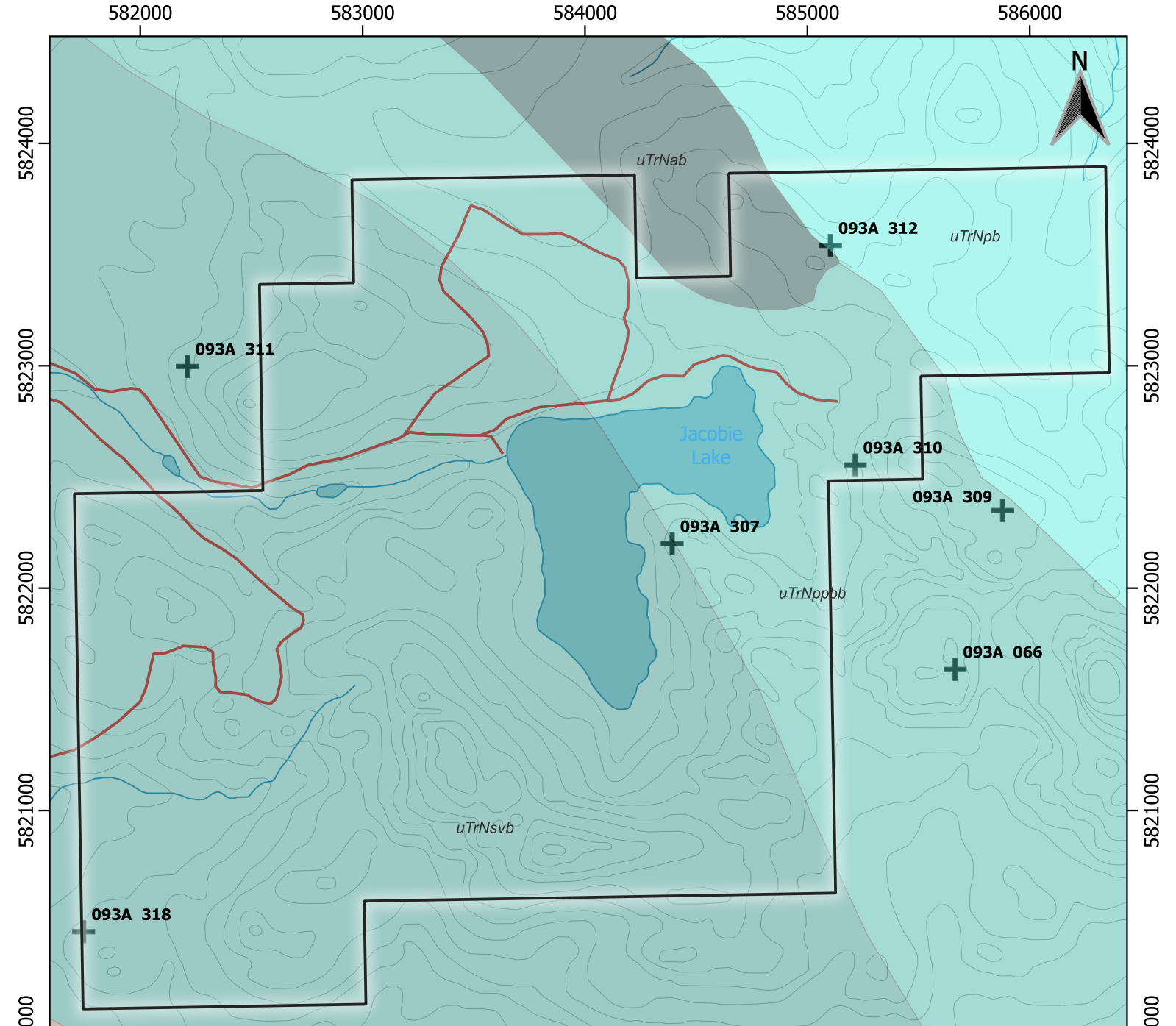
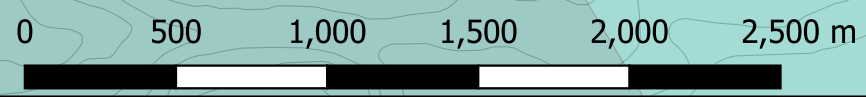


Figure 3 - Property Geology

Projection - NAD83 UTM Zone 10N
 Scale - 1 : 25,000
 Date - October 6th, 2022
 By - Eric Morley



**Eagle Plains
 Resources Ltd.**

Legend

- | | |
|------------------------|--|
| + MINFILE Point | Geology (1:250,000 British Columbia Geological Survey) |
| Road | basaltic volcanic rocks |
| Lake | volcanoclastic rocks |
| River | basaltic volcanic rocks; volcanoclastic rocks |
| | marine sedimentary and volcanic rocks; undivided sedimentary rocks |
| | basaltic volcanoclastic rocks |

5818000 582000 583000 584000 585000 586000 5819000

5.0 2022 Field Program

From July 20th to July 21st, 2022, a 4-person team from TerraLogic Exploration Inc. completed a field program consisting of soil sampling, geological mapping, and rock sampling. The crew of 4 TerraLogic employees included Eric Morley – Project Geologist (only July 20th), Elizabeth Hemlin – Junior Geologist, Jakob Mozill – Geotechnician (July 20th and ½ July 21st), and Evan Ellis – Geotechnician. The crew accessed the property via Likely Road and Jacobie Lake Forestry Road each day from Williams Lake, BC for the duration of the program. Three soil sampling lines at 100m line spacing were planned in the northeastern corner of the property in a NNE-SSW orientation with 25m sample spacing. The lines were planned roughly perpendicular to ice flow direction. Geological mapping and rock sampling objectives included confirming mineralization at historic showings and inspecting roadcuts along newer logging roads to identify new zones of mineralization.

Table 4: Work Completed in 2022 by Disposition

Tenure Number	# Soil Samples	# Rock Samples	# Geostations
1091465	57	5	10
1091528	16	1	1
1091544	0	1	1
1091584	0	4	8
1091612	0	0	2
1091690	0	0	0
1094477	0	0	0
Total	73	11	22

6.0 2022 Field Program Results

6.1 Soil Geochemical Results

Soil geochemistry results are presented in Figure 5 while summary statistics are presented in Table 5. Cut-off values for the symbology on geochemistry maps were determined by calculating the 75th, 90th, 95th, 98th, and 99th percentiles of a given element from the 2022 data. Geochemical protocol is outlined in Appendix III, soil locations with associated analytical data is found in Appendix IV, and analytical certificates are located in Appendix V.

Table 5: Summary Statistics for 2022 Soil Samples

Element	Count	Min	Max	Mean	Median	St. Dev.	Percentile				
							75th	90th	95th	98th	99th
Ag (ppm)	73	0.03	1.61	0.18	0.12	0.25	0.18	0.26	0.48	1.06	1.29
Au (ppb)	73	0.5	50.1	4.0	1.8	6.7	3.5	9.7	10.0	19.6	28.6

Element	Count	Min	Max	Mean	Median	St. Dev.	Percentile				
							75th	90th	95th	98th	99th
Cu (ppm)	73	9.1	343.0	59.1	37.1	61.9	60.4	95.9	212.2	266.0	306.3
Pb (ppm)	73	3.0	10.3	5.1	4.8	1.3	5.4	6.2	7.5	9.9	10.2
Zn (ppm)	73	34.0	148.0	69.9	65.0	23.3	78.0	102.4	121.4	132.0	141.5

The soil grid completed in 2022 returned a highest Cu result of 343 ppm Cu (sample MPL002 03+25S). Although no extensive, obvious trends were identified, the soil grid did return several clusters of point anomalies. Several anomalous samples, including one 98th percentile sample, create an area of elevated Cu at least 50m in width in the northern corner of the grid. Seven anomalous (greater than 75th percentile) samples in the south-eastern corner of the grid create a roughly NW-trending, 50m by 200m zone of elevated Cu values. This zone of high Cu values does seem to correlate roughly to the MJ1 showing (093A 310). The soil quality on this grid was generally good with a typically well-developed B-horizon. The soil grid did return several anomalous samples in association with a known showing suggesting that soil sampling is an effective exploration technique in the region for identifying copper mineralization.

6.2 Geological Mapping and Rock Sampling Results

Geological mapping results are presented in Figure 4 and rock sampling results are presented in Figure 5. Summary statistics for rock samples are presented in Table 6 and cut-off values for the symbology on geochemistry maps were determined by calculating the 75th and 90th percentiles of a given element from the 2022 data. Geochemical protocol is outlined in Appendix III, rock and geostation locations with associated analytical data is found in Appendix IV, and analytical certificates are located in Appendix V.

Table 6: Summary Statistics for 2022 Rock Samples

Element	Count	Min	Max	Mean	Median	St. Dev.	Percentile	
							75th	90th
Ag (ppm)	11	0.01	0.22	0.08	0.04	0.07	0.13	0.18
Au (ppb)	11	2.5	16.0	7.8	7.0	3.5	8.5	11.0
Cu (ppm)	11	2.1	1005.0	169.8	93.2	288.3	143.8	271.0
Pb (ppm)	11	1.6	10.8	6.6	6.9	2.6	7.7	10.3
Zn (ppm)	11	47.0	105.0	82.1	88.0	17.7	93.0	100.0

The majority of geological mapping was performed in the vicinity of the MJ1 (093A 310) and Gold Master (093A 312) showings in an effort to confirm location and mineralization at those occurrences as well as map the surrounding area to identify extensions of mineralization. Limited work was also completed on the western side of the property where relatively recent logging has produced roadcuts. Outcrop is limited on the property with roadcuts and old trenches producing the majority of exposed rock and float.

The most common lithology on the property is maroon to dark green trachyte with variable vesicular to amygdaloidal textures. Carbonate alteration as fracture-filling material, veinlets, amygdules, and pervasive replacement is common in this lithology. Lighter cream coloured, limonite-altered felsite also crops out in select locations on the property. Very occasional, pinkish-white quartz-feldspar dykes intrude the aforementioned lithologies.

In 2022, workers primarily observed copper mineralization near the Gold Master showing. Mineralization consists of cuprite, malachite, azurite, and chalcocite filling vugs and amygdules in carbonate-altered trachyte. Rock samples collected in 2022 from the Gold Master showing returned up to 1005 ppm Cu (sample EMMPR003). Cuprite-bearing trachyte collected approximately 300m to the southeast returned up to 271 ppm Cu. Rock samples collected on other portions of the property returned less anomalous copper results.

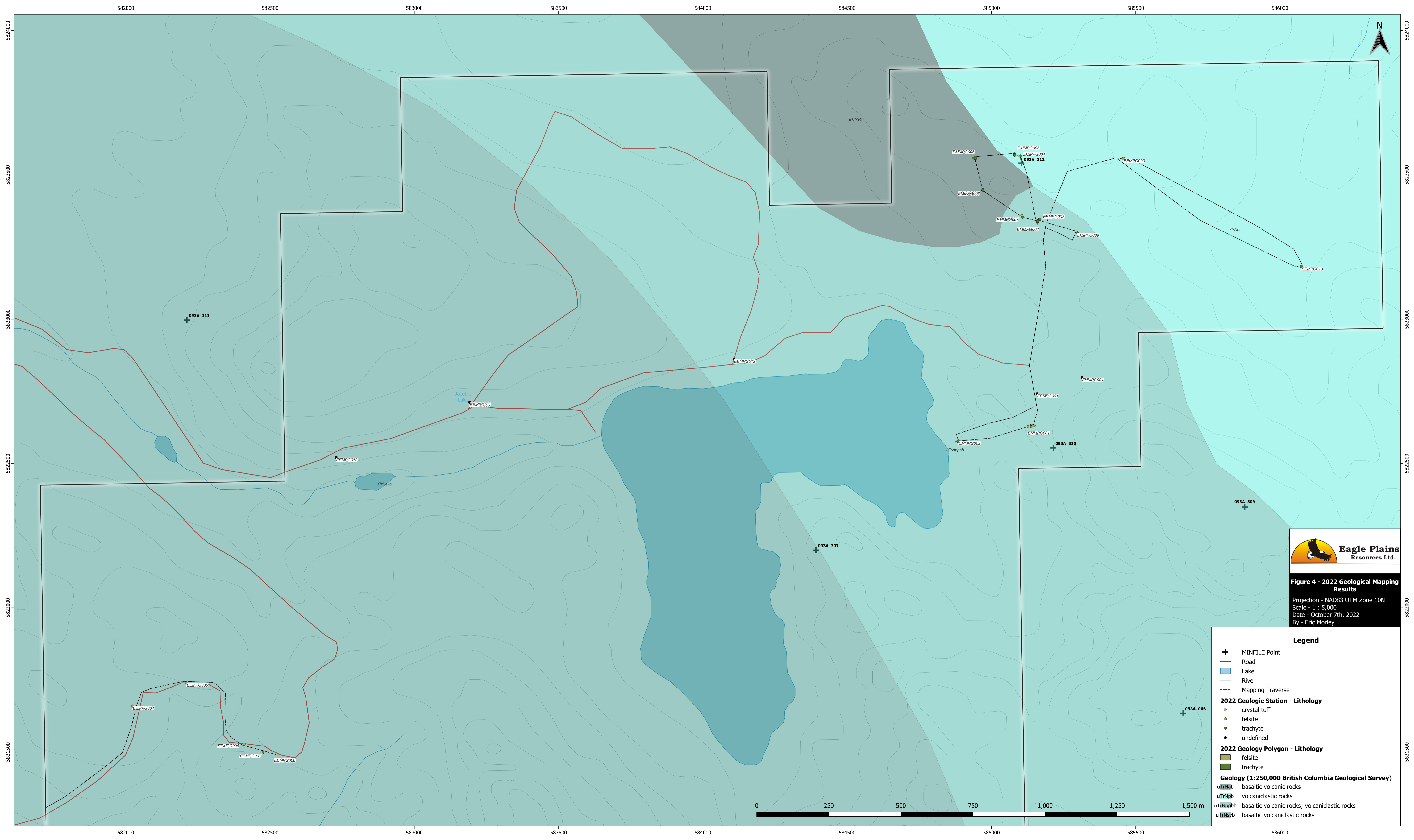
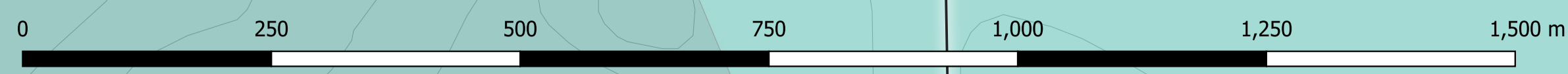


Figure 4 - 2022 Geological Mapping Results
 Projection - NAD83 UTM Zone 10N
 Scale - 1 : 5,000
 Date - October 7th, 2022
 By - Eric Morley

- Legend**
- + MINFILE Point
 - Road
 - █ Lake
 - River
 - Mapping Traverse
 - 2022 Geologic Station - Lithology**
 - crystal tuff
 - felsite
 - trachyte
 - undefined
 - 2022 Geology Polygon - Lithology**
 - █ felsite
 - █ trachyte
 - Geology (1:250,000 British Columbia Geological Survey)**
 - uTrNab basaltic volcanic rocks
 - uTrNpb volcaniclastic rocks
 - uTrNppbb basaltic volcanic rocks; volcaniclastic rocks
 - uTrNsvb basaltic volcaniclastic rocks



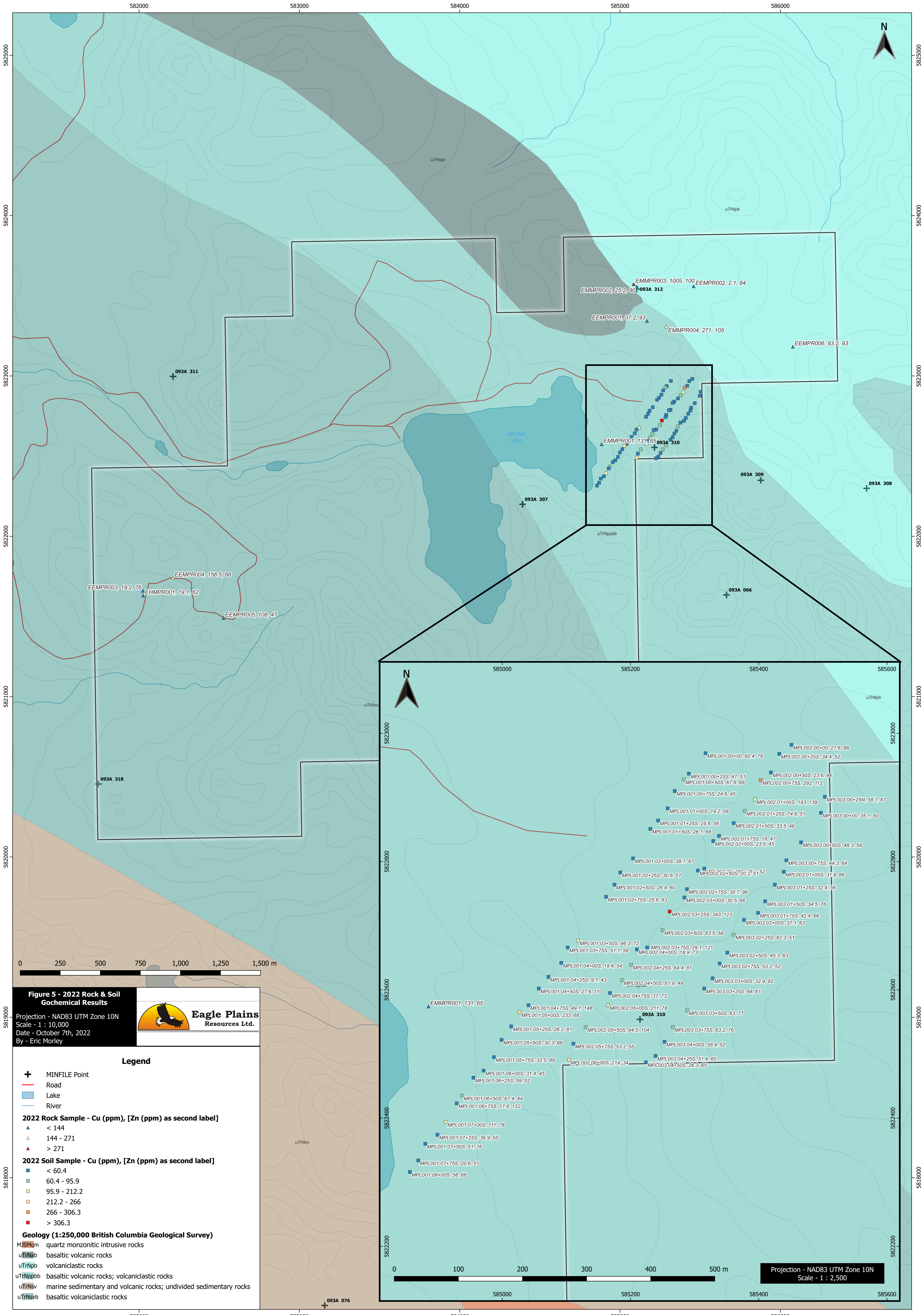


Figure 5 - 2022 Rock & Soil Geochemical Results

Projection - NAD83 UTM Zone 10N
 Scale - 1 : 10,000
 Date - October 7th, 2022
 By - Eric Morley



Legend

- + MINFILE Point
- Road
- Lake
- River

2022 Rock Sample - Cu (ppm), [Zn (ppm) as second label]

- ▲ < 144
- ▲ 144 - 271
- ▲ > 271

2022 Soil Sample - Cu (ppm), [Zn (ppm) as second label]

- < 60.4
- 60.4 - 95.9
- 95.9 - 212.2
- 212.2 - 266
- 266 - 306.3
- > 306.3

Geology (1:250,000 British Columbia Geological Survey)

- MJSm quartz monzonitic intrusive rocks
- uTrNb basaltic volcanic rocks
- uTrNpb volcaniclastic rocks
- uTrNppbb basaltic volcanic rocks; volcaniclastic rocks
- uTrNsv marine sedimentary and volcanic rocks; undivided sedimentary rocks
- uTrNsvb basaltic volcaniclastic rocks

Projection - NAD83 UTM Zone 10N
 Scale - 1 : 2,500

7.0 Discussion and Interpretation

The 2022 exploration program conducted on the Mt Polley West (Contiguous Claims) property confirmed the potential of the area for volcanic redbed-style copper mineralization.

Soil sampling conducted in the northeastern portion of the property produced several zones of anomalous copper-in-soil values with a highest result of 343 ppm Cu (sample MPL002 03+25S). One 50m by 200m, NW-trending anomaly seems to correlate roughly with the historic MJ1 showing (093A 310). The scope of the 2022 soil sampling campaign was too limited to fully define anomalous areas and continued soil sampling or compilation of historic results will be necessary to better delineate zones of increased copper-in-soil. The trends produced in 2022 data seem to suggest that anomalous zones do reflect proximal bedrock sources rather than glacial dispersal of copper from distal sources.

Rock sampling and geological mapping did identify zones of significant copper mineralization with a highest assay result of 1005 ppm Cu (sample EMMPR003) despite limited program scope and poor bedrock exposure. Anomalous copper results 300m from known showings (sample EMMPR004) indicates that other mineral occurrences may exist on the property, but poor exposure has hampered identification of these showings in the past. In the future, trenching may be necessary to expose covered showings.

Thus far, copper mineralization on the property has been observed to be associated with carbonate altered trachytes and is described as redbed-style copper mineralization where metalliferous brines travel in faults/fracture zones to favourable, oxidized volcanic rocks leading to mineralization (Kirkham, 1996). It is worth noting that the nearby Mount Polley and QR deposits are related to alkalic intrusions where mineralization occurs proximal to the contact between the intrusives and surrounding country rock. The trachyte-hosted copper mineralization, intrusive dykes, and favourable magnetic anomaly present on the Mt Polley West (Contiguous Claims) property could be indicative of a buried alkalic intrusion that may host more significant porphyry-style copper mineralization.

8.0 Conclusions and Recommendations

In 2022, TerraLogic Exploration Inc. conducted a field program at the Mt Polley West (Contiguous Claims) property on behalf of Eagle Plains Resources Ltd. which included soil sampling, rock sampling, and geological mapping. Over the course of the 2-day program, 73 soil samples, 11 rock samples, and 22 geostations were collected. Exploration activity focused mainly on the northeastern corner of property proximal to the historic Gold Master (093A 312) and MJ1 (093A 310) showings.

Work in 2022 confirmed noteworthy copper mineralization on the property present as cuprite, malachite, azurite, and chalcocite filling vugs and amygdules in carbonate-altered trachyte. Showings on the property have been interpreted as volcanic redbed-style mineralization or extensions of buried porphyry-style mineralization. In 2022, soil sampling assay results returned

up to 343 ppb Cu and rock sampling results returned up to 1005 ppb Cu. The results of the 2022 program confirms that the Mt Polley West (Contiguous Claims) property is prospective for significant copper mineralization.

Advancing the Mt Polley West (Contiguous Claims) property and vectoring to copper mineralization could be achieved through a combination of continued desktop work, soil sampling, trenching, and diamond drilling. Specific recommendations are as follows:

- Compilation work to collect and organize the historical data concerning the property. With 60 years of work and several extensive programs, a considerable dataset already exists for the property, but needs to be compiled into a single database for effective use. Planning for future work will be aided considerably by review of historic data.
- Expansion of the 2022 soil grid to better delineate anomalous copper trends in the northwestern portion of the property near the Gold Master and MJ1 showings.
- Mechanical trenching and channel sampling at historic showings and zones with anomalous copper-in-soil results. Outcrop coverage is poor on the property, but trenching has been used effectively in the past to uncover mineralized rock. Mapping of washed trenches may allow for the observation of structural data that could be an important control for mineralization. Trenching would also de-risk future diamond drilling campaigns.

9.0 References

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- Brown, R., Roste, G., Baron, J., and Rees, C. (2016): 2016 Technical Report On The Mount Polley Mine; Imperial Metals Corporation.
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- Kikauka, A. (1999): Geological And Geophysical Report On The J 1-4 Claim Group, Jacobie Lake, Likely, B.C.; BC Geological Survey, ARIS Assessment Report 26614.
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Mt Polley West Property (Contiguous Claims)

Volume I: Appendices

2022 Geochemical and Geological Program

Claims: 1091465, 1091528, 1091544, 1091584, 1091612, 1091690, and 1094477

Centre of Work

UTM Zone 10N 0583748 mE, 5822116 mN (NAD83)

52° 32' 34" N, 121° 45' 54" W

(NTS 093A12)

Cariboo Mining Division

Prepared for:

Eagle Plains Resources Ltd.

Suite 200, 44-12th Ave. S.

Cranbrook, BC, V1C 2R7

By:

Eric Morley, B.Sc.

Terralogic Exploration Inc.

Suite 200, 44-12th Ave. S.

Cranbrook, BC, V1C 2R7

January 20th, 2023

Appendix I: Statement of Qualifications

STATEMENT OF QUALIFICATIONS

I, Eric C. Morley, in the city of Calgary in the Province of Alberta hereby certify that:

1. I am currently employed as a Project Geologist with TerraLogic Exploration Inc. with business address: Suite 200, 44-12th Avenue South, Cranbrook, BC, V1C 2R7.
2. I am a graduate of the University of Calgary with a degree of Bachelor of Science (Honours) in Geology.
3. I have been working in the mineral exploration industry for 5 years following my graduation.
4. This report, authored by myself, is based on personal examination of all available company and government reports pertinent to the Mt Polley West Property (Contiguous Claims).
5. I participated and completed field work on the 2022 exploration program at the Mt Polley West Property (Contiguous Claims).

Dated this 20th day of January, 2023, in Cranbrook, British Columbia.



SIGNATURE

Eric C. Morley, B.Sc.

Appendix II – Statement of Expenditures

Exploration Work type	Comment	Days			Totals
Personnel (Name)* / Position					
		Days	Rate	Subtotal*	
Evan Ellis, Geotechnician	TerraLogic Exploration Inc.	2.88	\$550.00	\$1,584.00	
Elizabeth Hemlin, Junior Geologist	TerraLogic Exploration Inc.	2.44	\$550.00	\$1,342.00	
Eric Morley, Project Geologist	TerraLogic Exploration Inc.	1.44	\$725.00	\$1,044.00	
Jakob Mozill, Geotechnician	TerraLogic Exploration Inc.	1.94	\$525.00	\$1,018.50	
				\$4,988.50	\$4,988.50
Office Studies					
	List Personnel (note - Office only, do not include field days)	Hours			
Project Planning	Jesse Campbell, President	6.5	\$94.50	\$614.25	
Report Preparation	Eric Morley, Project Geologist	22.5	\$87.00	\$1,957.50	
				\$2,571.75	\$2,571.75
Geochemical Surveying					
	Number of Samples	Subtotal			
Soil (ALS Laboratories)	<i>73 rock samples for multi-element analysis</i>			\$2,436.35	
Rock (ALS Laboratories)	<i>11 rock samples for multi-element analysis & fire assay</i>			\$659.07	
				\$3,095.42	\$3,095.42
Transportation					
		Subtotal			
Airfare	Various Airlines			\$365.24	
Taxi				\$25.34	
Fuel	For Trucks			\$530.98	
				\$921.56	\$921.56
Accommodation & Food					
Hotel	Sandman Hotel in Williams Lake / Hotels while travelling			\$1,113.41	
Meals	Various restaurants and groceries			\$355.01	
				\$1,468.42	\$1,468.42
Equipment Rentals					
TerraLogic Exploration Equipment Rentals	Truck, trailer, field kit, computers, radio, Garmin Inreach, etc.			\$2,216.96	
				\$2,216.96	\$2,216.96
Miscellaneous					
Safety Equipment				\$15.15	
TerraLogic Exploration Handling & Disbursement				\$825.08	
				\$840.23	\$840.23
<hr/> <hr/>					
TOTAL Expenditures					
					\$16,102.84

Appendix III – Geochemical Protocol & Methodology

3.1 TerraLogic Exploration Sampling Protocol

Soil Sampling

Soil samplers conducted soil sampling traverses along specific predetermined grid lines oriented perpendicular to interpreted mineralized trend using a handheld GPS and a compass for navigation. Samples were collected using either a Dutch auger or a geotool. Wherever possible, the soil samples were collected from the B-horizon of the soil profile or a layer below organic material if B-horizon could not be reached. Where there was significant thicknesses of organic material and mineral soil could not be accessed, no sample was collected. All of the sampling data was recorded in an app developed by TerraLogic Exploration Inc. on ruggedized Android phones. A variety of data was collected for each sample including sample size, quality, depth, slope, the presence of organic matter, soil horizon, and colour. Photos were also taken of each soil sample. At the end of each field day, the sampling data and soil photos were downloaded from the Androids and imported into a geochemical database where any sampling discrepancies could be identified and fixed.

All of the samples were laid out and sample numbers were compared to those from the Androids. Samples with damaged bags or unclear labels were re-labeled and put back into order. The samples were then placed into rice bags labeled with shipment number and shipping/receiving addresses. At the end of the program, the samples were dropped off at ALS Geochemistry at 2953 Shuswap Rd, Kamloops, BC V2H 1S9 for preparation. Samples were later transported to ALS Global - Geochemistry Analytical Lab at 2103 Dollarton Highway, North Vancouver, BC V7H 0A7, for processing.

Soil samples were prepared (PREP-41), before undergoing analysis for 51 elements by inductively coupled plasma mass spectrometry (ME-MS41) and an aqua regia digest followed by analysis for gold by inductively coupled plasma mass spectrometry (Au-ST43).

Rock Samples

Rocks were collected from outcrop with a rock hammer or geotool as grab samples for assay. Samples were recorded as a rock sample with an assigned geostation using both an app developed by TerraLogic Exploration Inc. on ruggedized Android phones and a field notebook with spatial locations. A variety of attributes were noted including major rock type, minor rock type, colour-fresh, colour-weathered, texture, grain size, mineralization, structure, and alteration. Photos were also taken of each rock sample. Once back in camp, the sample notes were entered into a database using Microsoft Access. The samples were then laid out and compared to the entries in the Access database to avoid any mistakes or discrepancies. The samples were then sorted, loaded into rice bags labeled with a shipment number, shipment address, and return address. At the end of the program, the samples were dropped off at ALS Environmental at ALS Geochemistry at 2953 Shuswap Rd, Kamloops, BC V2H 1S9 for preparation. Samples were later transported to ALS Global - Geochemistry Analytical Lab at 2103 Dollarton Highway, North Vancouver, BC V7H 0A7, for processing.

Rock samples collected for assay were prepared (PREP-31H) before undergoing 4-acid digest and analysis by inductively coupled plasma mass spectrometry for 48 elements (ME-MS61). Gold concentration was analysed by 30g fire assay with atomic absorption finish (Au-AA23).

3.2 ALS Analytical Protocol



Sample Preparation Package

PREP-31H

Standard Sample Preparation: Dry, Crush, Split and Pulverize (500g)

Sample preparation is the most critical step in the entire laboratory operation. The purpose of preparation is to produce a homogeneous analytical sub-sample that is fully representative of the material submitted to the laboratory.

The sample is logged in the tracking system, weighed, dried and finely crushed to better than 70 % passing a 2 mm (Tyler 9 mesh, US Std. No.10) screen. A 500g split is taken and pulverized to better than 85 % passing a 75 micron (Tyler 200 mesh, US Std. No. 200) screen. This method is appropriate for rock chip or drill samples.

Method Code	Description
LOG-22	Sample is logged in tracking system and a bar code label is attached.
CRU-31	Fine crushing of rock chip and drill samples to better than 70 % of the sample passing 2 mm.
SPL-21	Split sample using riffle splitter.
PUL-32m	A 500g sample split is pulverized to better than 85 % of the sample passing 75 microns.

Revision 01.00
July 31, 2013

RIGHT SOLUTIONS RIGHT PARTNER

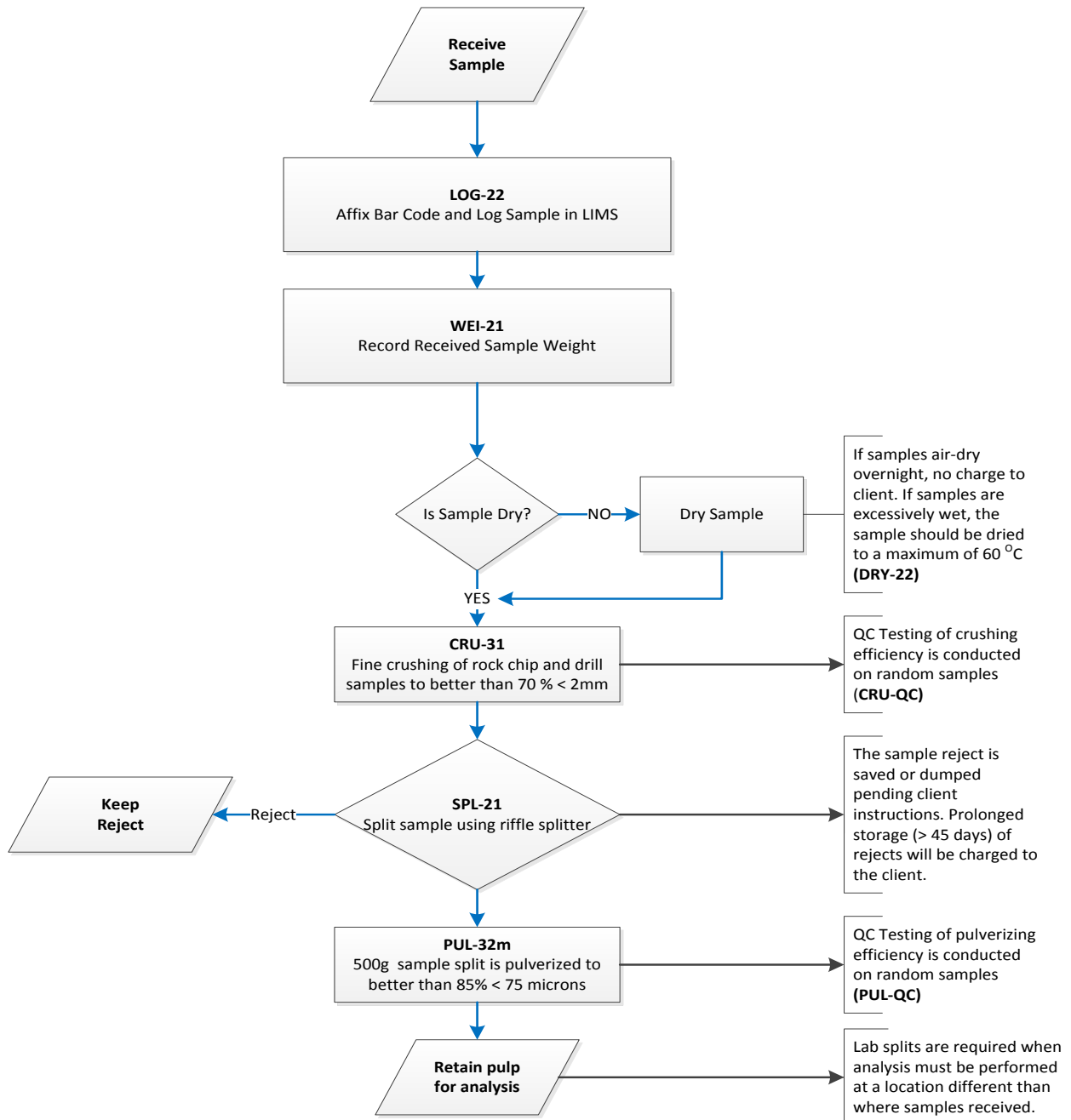
www.alsglobal.com



Sample Preparation Package

Flow Chart -

Sample Preparation Package - PREP-31H Standard Sample Preparation: Dry, Crush, Split and Pulverize (500g)



Revision 01.00
July 31, 2013

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Sample Preparation Package

PREP-41

Standard Preparation: Dry sample and dry-sieve to -180 micron

Sample preparation is the most critical step in the entire laboratory operation. The purpose of preparation is to produce a homogeneous analytical sub-sample that is fully representative of the material submitted to the laboratory.

An entire sample is dried and then dry-sieved using a 180 micron (Tyler 80 mesh) screen. The plus fraction is retained unless disposal is requested. This method is appropriate for soil or sediment samples up to 1 kg in weight.

Method Code	Description
LOG-22	Sample is logged in tracking system and a bar code label is attached.
SCR-41	Sample is dry-sieved to - 180 micron and both the plus and minus fractions are retained.

Revision 03.01
March 29, 2012

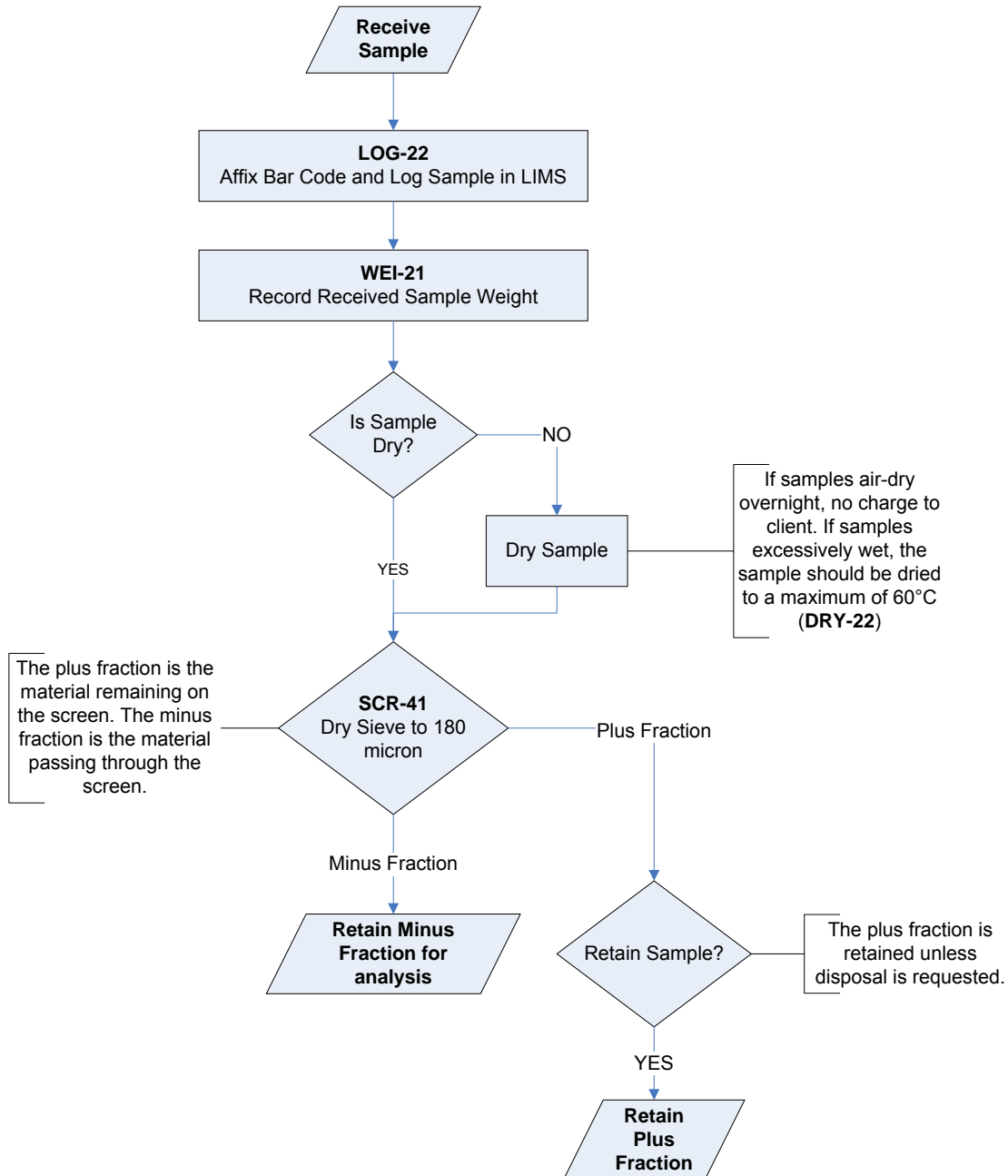
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Sample Preparation Package

Sample Preparation Flowchart Package -PREP-41



Revision 03.01
March 29, 2012

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Au-AA23 & Au-AA24 – Fire Assay Fusion, AAS Finish

Sample Decomposition:

Fire Assay Fusion (FA-FUS01 & FA-FUS02)

Analytical Method:

Atomic Absorption Spectroscopy (AAS)

A prepared sample is fused with a mixture of lead oxide, sodium carbonate, borax, silica and other reagents as required, inquarted with 6 mg of gold-free silver and then cupelled to yield a precious metal bead.

The bead is digested in 0.5 mL dilute nitric acid in the microwave oven, 0.5 mL concentrated hydrochloric acid is then added and the bead is further digested in the microwave at a lower power setting. The digested solution is cooled, diluted to a total volume of 4 mL with de-mineralized water, and analyzed by atomic absorption spectroscopy against matrix-matched standards.

List of Reportable Analytes:

Method Code	Element	Symbol	Units	Sample Weight (g)	Lower Limit	Upper Limit	Default Overlimit Method
Au-AA23	Gold	Au	ppm	30	0.005	10.0	Au-GRA21
Au-AA24	Gold	Au	ppm	50	0.005	10.0	Au-GRA22

Au-ST43 & Au-ST44

Determination of Ultra Trace Level Gold by Aqua Regia Digestion - ICP-MS Finish

Sample Decomposition:

Aqua regia gold digestion (GEO-AuAR01/02)

Analytical Method:

Inductively Coupled Plasma - Mass Spectrometry (ICP-MS)

A sample (25 – 50 g) is digested in a mixture of 3 parts hydrochloric acid and 1 part nitric acid (aqua regia). This acid mixture generates nascent chlorine and nitrosyl chloride, which will dissolve free gold and gold compounds such as calaverite (AuTe₂).

Digestion of each sample is performed in individual disposable HDPE bottles to eliminate the probability of contamination.

Gold is determined by ICP-MS directly from the digestion liquor. The AuME-ST43 and AuME-ST44 super trace methods offer the lowest detection limits for gold and multi-element available. Analysis via ICP-MS instrumentation utilizing collision/reaction cell technologies provide these super trace detection limits.

Note: Samples high in sulphide or carbon content may lead to low gold recoveries unless they are roasted prior to digestion.

Method	Element	Sample Mass	Units	Lower Limit	Upper Limit
Au-ST43	Gold (Au)	25g	ppm	0.0001	0.1
Au-ST44	Gold (Au)	50g	ppm	0.0001	0.1

ME-MS41: Ultra-Trace Level Method Using ICP MS and ICP-AES

Sample Decomposition:

Aqua Regia Digestion (GEO-AR01)

Analytical Method:

Inductively Coupled Plasma - Atomic Emission Spectroscopy (ICP-AES)

Inductively Coupled Plasma - Mass Spectrometry (ICP-MS)

A prepared sample (0.50 g) is digested with aqua regia in a graphite heating block. After cooling, the resulting solution is diluted to with deionized water, mixed and analyzed by inductively coupled plasma-atomic emission spectrometry. Following this analysis, the results are reviewed for high concentrations of bismuth, mercury, molybdenum, silver and tungsten and diluted accordingly. Samples are then analysed by ICP-MS for the remaining suite of elements. The analytical results are corrected for inter element spectral interferences.

List of Reportable Analytes:

Analyte	Symbol	Units	Lower Limit	Upper Limit
Silver	Ag	ppm	0.01	100
Aluminum	Al	%	0.01	25
Arsenic	As	ppm	0.1	10,000
Gold	Au	ppm	0.02	25
Boron	B	ppm	10	10,000
Barium	Ba	ppm	10	10,000
Beryllium	Be	ppm	0.05	1,000
Bismuth	Bi	ppm	0.01	10,000
Calcium	Ca	%	0.01	25
Cadmium	Cd	ppm	0.01	1,000
Cerium	Ce	ppm	0.02	500
Cobalt	Co	ppm	0.1	10,000
Chromium	Cr	ppm	1	10,000
Cesium	Cs	ppm	0.05	500
Copper	Cu	ppm	0.2	10,000
Iron	Fe	%	0.01	50
Gallium	Ga	ppm	0.05	10,000
Germanium	Ge	ppm	0.05	500
Hafnium	Hf	ppm	0.02	500
Mercury	Hg	ppm	0.01	10,000
Indium	In	ppm	0.005	500
Potassium	K	%	0.01	10
Lanthanum	La	ppm	0.2	10,000
Lithium	Li	ppm	0.1	10,000
Magnesium	Mg	%	0.01	25
Manganese	Mn	ppm	5	50,000
Molybdenum	Mo	ppm	0.05	10,000
Sodium	Na	%	0.01	10
Niobium	Nb	ppm	0.05	500
Nickel	Ni	ppm	0.2	10,000

Analyte	Symbol	Units	Lower Limit	Upper Limit
Phosphorus	P	ppm	10	10,000
Lead	Pb	ppm	0.2	10,000
Rubidium	Rb	ppm	0.1	10,000
Rhenium	Re	ppm	0.001	50
Sulphur	S	%	0.01	10
Antimony	Sb	ppm	0.05	10,000
Scandium	Sc	ppm	0.1	10,000
Selenium	Se	ppm	0.2	1,000
Tin	Sn	ppm	0.2	500
Strontium	Sr	ppm	0.2	10,000
Tantalum	Ta	ppm	0.01	500
Tellurium	Te	ppm	0.01	500
Thorium	Th	ppm	0.2	10,000
Titanium	Ti	%	0.005	10
Thallium	Tl	ppm	0.02	10,000
Uranium	U	ppm	0.05	10,000
Vanadium	V	ppm	1	10,000
Tungsten	W	ppm	0.05	10,000
Yttrium	Y	ppm	0.05	500
Zinc	Zn	ppm	2	10,000
Zirconium	Zr	ppm	0.5	500

NOTE: In the majority of geological matrices, data reported from an aqua regia leach should be considered as representing only the leachable portion of the particular analyte.

ME-MS61: Ultra-Trace Level Method Using ICP MS and ICP-AES

Sample Decomposition:

HF-HNO₃-HClO₄ acid digestion, HCl leach (GEO-4A01)

Analytical Method:

Inductively Coupled Plasma - Atomic Emission Spectroscopy (ICP-AES)

Inductively Coupled Plasma - Mass Spectrometry (ICP-MS)

The ME-MS61 Ultra Trace method combines a four-acid digestion with ICP-MS instrumentation. A four acid digestion quantitatively dissolves nearly all minerals in the majority of geological materials.

A prepared sample (0.25 g) is digested with perchloric, nitric and hydrofluoric acids. The residue is leached with dilute hydrochloric acid and diluted to volume.

The final solution is then analyzed by inductively coupled plasma-atomic emission spectrometry and inductively coupled plasma-mass spectrometry. Results are corrected for spectral inter-element interferences.

List of Reportable Analytes:

Analyte	Symbol	Units	Lower Limit	Upper Limit
Silver	Ag	ppm	0.01	100
Aluminum	Al	%	0.01	50
Arsenic	As	ppm	0.2	10000
Barium	Ba	ppm	10	10000
Beryllium	Be	ppm	0.05	1000
Bismuth	Bi	ppm	0.01	10000
Calcium	Ca	%	0.01	50
Cadmium	Cd	ppm	0.02	1000
Cerium	Ce	ppm	0.01	500
Cobalt	Co	ppm	0.1	10000
Chromium	Cr	ppm	1	10000
Cesium	Cs	ppm	0.05	500
Copper	Cu	ppm	0.2	10000
Iron	Fe	%	0.01	50
Gallium	Ga	ppm	0.05	10000
Germanium	Ge	ppm	0.05	500
Hafnium	Hf	ppm	0.1	500
Indium	In	ppm	0.005	500
Potassium	K	%	0.01	10
Lanthanum	La	ppm	0.5	10000
Lithium	Li	ppm	0.2	10000
Magnesium	Mg	%	0.01	50
Manganese	Mn	ppm	5	100000
Molybdenum	Mo	ppm	0.05	10000
Sodium	Na	%	0.01	10
Niobium	Nb	ppm	0.1	500
Nickel	Ni	ppm	0.2	10000

Analyte	Symbol	Units	Lower Limit	Upper Limit
Phosphorous	P	ppm	10	10000
Lead	Pb	ppm	0.5	10000
Rubidium	Rb	ppm	0.1	10000
Rhenium	Re	ppm	0.002	50
Sulphur	S	%	0.01	10
Antimony	Sb	ppm	0.05	10000
Scandium	Sc	ppm	0.1	10000
Selenium	Se	ppm	1	1000
Tin	Sn	ppm	0.2	500
Strontium	Sr	ppm	0.2	10000
Tantalum	Ta	ppm	0.05	100
Tellurium	Te	ppm	0.05	500
Thorium	Th	ppm	0.01	10000
Titanium	Ti	%	0.005	10
Thallium	Tl	ppm	0.02	10000
Uranium	U	ppm	0.1	10000
Vanadium	V	ppm	1	10000
Tungsten	W	ppm	0.1	10000
Yttrium	Y	ppm	0.1	500
Zinc	Zn	ppm	2	10000
Zirconium	Zr	ppm	0.5	500

NOTE: Four acid digestions are able to dissolve most minerals. However, depending on the sample matrix, not all elements are quantitatively extracted. For example:

- This digestion may not be complete for minerals such as corundum (Al₂O₃), kyanite (Al₂SiO₅) and more complex silicates such as garnet, staurolite, topaz and tourmaline.*
- Potassium may bias low due to the formation of the insoluble perchlorate, which may not be completely decomposed during the leaching process.*
- Low recoveries of Al and Ca may occur if their insoluble fluorides are not completely decomposed during the leaching process.*
- Scandium may not be fully solubilized and may show lower recovery by this digestion. Sc-ICP06 (Lithium Metaborate Fusion, ICP-AES Finish), a method developed for Scandium, can be used as an alternative for this analyte.*
- Four acid digestions can also volatilize certain exploration pathfinder elements, in particular mercury. Mercury is better analyzed by an aqua regia digestion and can be added as a package to this analysis (Package: ME-MS61m).*

Appendix IV: Sample Locations and Data

APPENDIX 4: Station

Station	Project	Target Zone	Samples	Location Method	UTM Datum	UTM Zone	Easting (UTM)	Northing (UTM)	Elevation (m)	Loc Accuracy (m)	Elev Accuracy (m)	Locked	Notes	Comp Source	Username	Sample Date
EEMPG001	MP	Mt Polley West		GPS internal	NAD83	10N	585158	5822742	1144	3		FALSE	trench, 4m by 1m by 1m ish		EE	2022-05-16
EEMPG002	MP	Mt Polley West	EEMPR001	GPS internal	NAD83	10N	585168	5823346	1151	3		FALSE	volcanic with filled vugs		EE	2022-05-16
EEMPG003	MP	Mt Polley West		GPS internal	NAD83	10N	585458	5823557	1152	3		FALSE	medium grey rock		EE	2022-05-16
EEMPG004	MP	Mt Polley West		GPS internal	NAD83	10N	582024	5821660	1124	4		FALSE	felsic volcanic with mafic subcrop		EE	2022-05-17
EEMPG005	MP	Mt Polley West	EEMPR004	GPS internal	NAD83	10N	582211	5821740	1114	3		FALSE	gossanous rock		EE	2022-05-17
EEMPG006	MP	Mt Polley West		GPS internal	NAD83	10N	582410	5821527	1122	3		FALSE	volcanic breccia		EE	2022-05-17
EEMPG007	MP	Mt Polley West		GPS internal	NAD83	10N	582476	5821500	1123	3		FALSE	hornblend rich rock, amphibole?		EE	2022-05-17
EEMPG008	MP	Mt Polley West		GPS internal	NAD83	10N	582527	5821490	1120	3		FALSE	tuff with xenoliths		EE	2022-05-17
EEMPG009	MP	Mt Polley West		GPS internal	NAD83	10N	581263	5822420	1067	3		FALSE	quarry with good outcrop off tenure		EE	2022-05-17
EEMPG010	MP	Mt Polley West		GPS internal	NAD83	10N	582729	5822521	1103	3		FALSE	side road not driveable		EE	2022-05-17
EEMPG011	MP	Mt Polley West		GPS internal	NAD83	10N	583192	5822712	1121	3		FALSE	side road driveable but has bad ditches		EE	2022-05-17
EEMPG012	MP	Mt Polley West		GPS internal	NAD83	10N	584108	5822862	1117	3		FALSE	road driveable but has bad ditches		EE	2022-05-17
EEMPG013	MP	Mt Polley West	EEMPR006	GPS internal	NAD83	10N	586075	5823182	1121	3		FALSE	trachyte		EE	2022-05-17
EEMPG001	MP	Mt Polley West		GPS internal	NAD83	10N	585314	5822798	1152	3		FALSE	Trench?? or road. NW/SE 120Å* trend		EH	2022-07-20
EEMPG001	MP	Mt Polley West		GPS internal	NAD83	10N	585127	5822628	1148	3		FALSE	Rounded outcrop on ridge.		EM	2022-07-20
EEMPG002	MP	Mt Polley West		GPS internal	NAD83	10N	584886	5822573	1120	3		FALSE	Rounded outcrop above lake.		EM	2022-07-20
EEMPG003	MP	Mt Polley West		gps	NAD83	10N	585161	5823339				FALSE	On road		EM	2022-07-20
EEMPG004	MP	Mt Polley West		GPS internal	NAD83	10N	585102	5823566	1153	3		FALSE	Un forest with hollows from upturned trees.		EM	2022-07-20
EEMPG005	MP	Mt Polley West		GPS internal	NAD83	10N	585081	5823568	1171	3		FALSE	Upturned tree in forest.		EM	2022-07-20
EEMPG006	MP	Mt Polley West		GPS internal	NAD83	10N	584946	5823560	1156	3		FALSE	Partially covered float along broad ridge.		EM	2022-07-20
EEMPG007	MP	Mt Polley West		GPS internal	NAD83	10N	585108	5823353	1188	3		FALSE	Shallow forested ridge.		EM	2022-07-20
EEMPG008	MP	Mt Polley West		GPS internal	NAD83	10N	584970	5823446	1165	4		FALSE	Float on hillside.		EM	2022-07-20
EEMPG009	MP	Mt Polley West		GPS internal	NAD83	10N	585297	5823299	1159	3		FALSE	Float in gentle forest		EM	2022-07-20

APPENDIX 4: Lithology

Station	UTM Zone	Easting (UTM)	Northing (UTM)	Elevation (m)	Lith Num	Outcrop	Lith (pct)	Lith Unit	Lith Major	Lith Minor	Colour Weath	Colour Fresh	Grain Size	Notes
EEMPG002	10N	585168	5823346	1151	1	outcrop			trachyte			reddish-brown	very fine	Evenly dispersed amygdules of calcite, and epidote. 2cm in diameter. Had pink rir
EEMPG003	10N	585458	5823557	1152	1	outcrop			felsite		light greyish-brown	grey	medium	Weathered surfaces have oily appearance. Patches of host rock are reddish in hue. Minor epidote prese
EEMPG004	10N	582024	5821660	1124	1	outcrop			felsite		light greyish-brown	dark grey	medium	Homogeneous. Small patches of reddish host rock. Minor epidote
EEMPG005	10N	582211	5821740	1114	1	outcrop			felsite		orange	light grey	very fine	Highly fractured. Carbonate infilling. Vuggy. Pseudofossil
EEMPG006	10N	582410	5821527	1122	1	outcrop			felsite		light grey	grey	very coarse	Volcanic breccia. Large xenoliths in microcrystalline matrix. Subangular clasts up to 30cm in diame
EEMPG007	10N	582476	5821500	1123	1	outcrop			trachyte		light grey	dark grey	fine-medium	Localized large ovoid amygdule up to 5cm in diameter. Minor epidote. Significant hornblend, 20%, medium gr
EEMPG008	10N	582527	5821490	1120	1	outcrop			crystal tuff	trachyte	light pink	dark red	very fine	Vuggy. Contains medium grained xenoliths. Xenoliths greenish in colour, chlorite/epidote alterat
EEMPG009	10N	581263	5822420	1067	1	outcrop			trachyte					
EEMPG013	10N	586075	5823182	1121	1	outcrop			trachyte		dark red	reddish-grey	fine	Minor epidote. Calcite growth on fracture
EEMPG001	10N	585127	5822628	1148	1	outcrop			felsite	felsite	beige	cream	medium-coarse	Massive, quartz-feldspar phyric felsite. No min visible
EEMPG002	10N	584886	5822578	1120	1	outcrop			trachyte		dark red	dark red	fine-medium	Maroon red, moderately carbonate altered trachyte. Contains 2mm light green, crystals (olivine
EEMPG003	10N	585161	5823339	1153	1	outcrop			trachyte		dark red	dark red	very fine	Maroon dark red, vfg, trachyte with amygdules of carbonate material and light green mineral (olivine
EEMPG004	10N	585102	5823566	1153	1	outcrop			trachyte		dark grey	dark green	fine	Dark green, vfg trachyte with plag phenos and red phenos/amygdules (cuprite
EEMPG005	10N	585081	5823568	1171	1	outcrop			trachyte		grey	dark green	very fine	Dark green, vfg trachyte. Thin, mm scale qtz veinlets and qtz amygdules with trace malachite/azurite. Weak veinlet related light green, epidot
EEMPG006	10N	584946	5823560	1156	1	subcrop			trachyte		light red	dark red	fine	Maroon, amygdaloidal trachyte with spotted epidote alt and perv carbonate
EEMPG007	10N	585108	5823353	1188	1	float			trachyte		orange-grey	dark red	fine	Maroon red, fg trachyte
EEMPG008	10N	584970	5823446	1165	1	outcrop			trachyte		red	dark red	fine	Maroon green trachyte with weak epi al
EEMPG009	10N	585297	5823299	1159	1	float			trachyte		orange	dark red	fine-medium	Dark green trachyte to crystal tuff. Pervasive carbonate alteration. Cubic, deep red disseminated crystals (cupri

APPENDIX 4: Alteration

Station	UTM Zone	Easting (UTM)	Northing (UTM)	Elevation (m)	Alt Num	Assemblage	Generation	Process	Texture	Distribution	Intensity	Notes
EMMPG002	10N	584886	5822578	1120	1					vein controlled		
EMMPG003	10N	585161	5823339		1					vein controlled	2	
EMMPG005	10N	585081	5823568	1171	1					vein controlled	1	Weak, veinlet related epidote alteration.
EMMPG006	10N	584946	5823560	1156	1					pervasive	3	Pervasive carb alt and spotted epidote alt of amygdules
EMMPG009	10N	585297	5823299	1159	1					pervasive	3	

APPENDIX 4: Alteration Mineralogy

Station	UTM Zone	Easting (UTM)	Northing (UTM)	Elevation (m)	Alt Num	Mineral	Intensity	Texture	Notes
EMMPG002	10N	584886	5822578	1120	1	carbonate	3	fracture	
EMMPG003	10N	585161	5823339		1	carbonate	2	fracture	
EMMPG005	10N	585081	5823568	1171	1	epidote	1	vein halo	
EMMPG006	10N	584946	5823560	1156	1	epidote	1	selective	
EMMPG006	10N	584946	5823560	1156	1	carbonate	3	pervasive	
EMMPG009	10N	585297	5823299	1159	1	carbonate	3	pervasive	
EMMPG011	10N	585725	5821595	1212	1	chlorite	2	selective	
EMMPG011	10N	585725	5821595	1212	1	carbonate	3	pervasive	

APPENDIX 4: Mineralization

Station	UTM Zone	Easting (UTM)	Northing (UTM)	Elevation (m)	Min Num	Code	Habit	Notes	Oxidation
EMMPG005	10N	585081	5823568	1171	1		veinlets	Malachite and azurite associated with qtz veinlets.	
EMMPG009	10N	585297	5823299	1159	1		disseminated	1% diss red, cubic cuprite	

APPENDIX 4: Mineralization Detail

Station	UTM Zone	Easting (UTM)	Northing (UTM)	Elevation (m)	Min Num	Mineral	Percent	Grain Size	Habit	Notes
EMMPG005	10N	585081	5823568	1171	1	malachite	0.2	fine	veinlets	
EMMPG005	10N	585081	5823568	1171	1	azurite	0.1	fine	veinlets	
EMMPG009	10N	585297	5823299	1159	1	cuprite	1	fine-medium	disseminated	

APPENDIX 4: Rock

Sample	Project	Sampler	Sample Date	UTM Zone	E (UTM)	N (UTM)	Loc Method	Accuracy (m)	Elev (m)
EEMPR001	MP	EE	2022-05-16	10N	585168	5823343	GPS internal	3	1152
EEMPR002	MP	EE	2022-05-16	10N	585459	5823559	GPS internal	3	1156
EEMPR003	MP	EE	2022-05-17	10N	582024	5821660	GPS internal	3	1124
EEMPR004	MP	EE	2022-05-17	10N	582211	5821740	GPS internal	3	1115
EEMPR005	MP	EE	2022-05-17	10N	582526	5821490	GPS internal	3	1115
EEMPR006	MP	EE	2022-05-17	10N	586078	5823182	GPS internal	3	1125
EHMPR001	MP	EH	2022-07-21	10N	582025	5821630	GPS internal	3	1112
EMMPR001	MP	EM	2022-07-20	10N	584885	5822574	GPS internal	4	1122
EMMPR002	MP	EM	2022-07-20	10N	585105	5823557	GPS internal	11	1119
EMMPR003	MP	EM	2022-07-20	10N	585085	5823572	GPS internal	3	1147
EMMPR004	MP	EM	2022-07-20	10N	585289	5823308	GPS internal	9	1161

APPENDIX 4: Rock

Sample	Elev Method	Sample Type	Purpose	Channel Length (m)	Channel Azimuth	Channel Inclination	Lith Major
EEMPR001	GPS internal	grab	assay				trachyte
EEMPR002	GPS internal	grab	assay				felsite
EEMPR003	GPS internal	grab	assay				trachyte
EEMPR004	GPS internal	grab	assay				felsite
EEMPR005	GPS internal	grab	assay				crystal tuff
EEMPR006	GPS internal	grab	assay				trachyte
EHMPR001	GPS internal	subcrop	assay				
EMMPR001	GPS internal	grab	assay				trachyte
EMMPR002	GPS internal	grab	assay				trachyte
EMMPR003	GPS internal	grab	assay				trachyte
EMMPR004	GPS internal	grab	assay				trachyte

APPENDIX 4: Rock

Sample	Lith Minor	Colour Weathered	Colour Fresh	Grainsize	Texture	Mineralized	Altered	Is Vein
EEMPR001		115 95 88	130 115 108	fine-medium	amygdaloidal	FALSE	FALSE	FALSE
EEMPR002		176 152 128	121 122 108	medium	felsite	FALSE	FALSE	FALSE
EEMPR003		155 151 140	131 130 125	fine		FALSE	FALSE	FALSE
EEMPR004		117 106 78	75 67 46	fine	fractured	FALSE	FALSE	FALSE
EEMPR005	felsite	149 110 93	137 127 115	fine-medium	brecciated	FALSE	FALSE	FALSE
EEMPR006		96 76 85	101 85 96	fine	aphanitic	FALSE	FALSE	FALSE
EHMPR001		182 120 95	251 215 215			FALSE	FALSE	FALSE
EMMPR001		94 61 52	78 48 37	fine-medium		FALSE	FALSE	FALSE
EMMPR002		95 69 54	177 167 166	fine	amygduloidal	FALSE	FALSE	FALSE
EMMPR003		142 119 88	85 90 86	very fine	amygdaloidal	TRUE	TRUE	FALSE
EMMPR004		149 110 79	139 118 91	fine-medium		TRUE	TRUE	FALSE

APPENDIX 4: Rock

Sample	Least Altered	Mass (kg)	Status	Shipment	Bucket
EEMPR001	FALSE	1	complete	MP22-002	1
EEMPR002	FALSE	1	complete	MP22-002	1
EEMPR003	FALSE	1	complete	MP22-002	1
EEMPR004	FALSE	1	complete	MP22-002	1
EEMPR005	FALSE	1	complete	MP22-002	1
EEMPR006	FALSE	1	complete	MP22-002	1
EHMPR001	FALSE	0.5	complete	MP22-002	1
EMMPR001	FALSE	1	complete	MP22-002	1
EMMPR002	FALSE	1	complete	MP22-002	2
EMMPR003	FALSE	1	complete	MP22-002	2
EMMPR004	FALSE	1	complete	MP22-002	2

APPENDIX 4: Rock

Sample	Notes
EEMPR001	polkadot rock. maroon red
EEMPR002	light grey rock
EEMPR003	mafic volcanic, possible cuprite
EEMPR004	felsic volcanic. mud stone?
EEMPR005	tuft with light green xenoliths
EEMPR006	brown red to grey volcanic with minor epidote, maybe cuprite
EHMPR001	outcrop on side of the road. possibly limonite hosted in a white tuff. limonite rust weather colour and very soft
EMMPR001	Maroon red trachyte with carbonate alteration/veining and porphyritic, dark green, crystals
EMMPR002	Dark green-maroon trachyte with plag phenos and red amygdules? (cuprite)?
EMMPR003	Dark green, amygaloidal trachyte. 0.5% total Malachite, azurite, and chalcocite filling amygdules. Weak epidote alteration.
EMMPR004	Carbonate altered, dark green trachyte with 1% red, cubic cuprite.

APPENDIX 4: Rock

Sample	Source
EEMPR001	
EEMPR002	
EEMPR003	
EEMPR004	
EEMPR005	
EEMPR006	
EHMPR001	
EMMPR001	
EMMPR002	
EMMPR003	
EMMPR004	

APPENDIX 4: Soil

Sample	Project	Sampler	Sample Date	UTM Zone	E (UTM)	N (UTM)	Loc Method	Accuracy (m)	Elev (m)	Elev Method	Sample Type	Purpose	Colour 1	Colour 2	Horizon	Depth (cm)	Slope	Outcrop	Permafrost	pH	Quality	Shortnote 1	Shortnote 2	Status	Mass (kg)	Shipment	Bucket	Notes	Source			
MPL001 00+00	MP	EE	2022-05-16	10N	585317	5822969	GPS internal	4	1140	GPS internal	soil	assay	20 20 20	B	30	0	FALSE	FALSE	2		line start		complete		MP22-001	1						
MPL001 00+25S	MP	EE	2022-05-16	10N	585291	5822937	GPS internal	3	1155	GPS internal	soil	assay	82 90 109	B	30	0	FALSE	FALSE	2				complete		MP22-001	1						
MPL001 00+50S	MP	EE	2022-05-16	10N	585283	5822928	GPS internal	5	1150	GPS internal	soil	assay	99 89 77	B	20	0	FALSE	FALSE	2				complete		MP22-001	1						
MPL001 00+75S	MP	EE	2022-05-16	10N	585269	5822910	GPS internal	3	1153	GPS internal	soil	assay	64 54 52	B	20	0	FALSE	FALSE	4				complete		MP22-001	1						
MPL001 01+00S	MP	EE	2022-05-16	10N	585268	5822883	GPS internal	3	1148	GPS internal	soil	assay	69 64 61	B	10	10	FALSE	FALSE	5				select from list	select from list	complete		MP22-001	1				
MPL001 01+25S	MP	EE	2022-05-16	10N	585243	5822864	GPS internal	3	1145	GPS internal	soil	assay	144 106 97	B	10	0	FALSE	FALSE	5				complete		MP22-001	1						
MPL001 01+50S	MP	EE	2022-05-16	10N	585231	5822851	GPS internal	4	1142	GPS internal	soil	assay	71 68 53	B	10	0	FALSE	FALSE	5				complete		MP22-001	1						
MPL001 01+75S	MP	EE	2022-05-16	10N	585224	5822828	GPS internal	4	1142	GPS internal	soil	assay		B	0	0	FALSE	FALSE	0				complete	0	MP22-001	1			on road			
MPL001 02+00S	MP	EE	2022-05-16	10N	585205	5822905	GPS internal	3	1141	GPS internal	soil	assay	33 35 34	B	30	0	FALSE	FALSE	4				complete		MP22-001	1						
MPL001 02+25S	MP	EE	2022-05-16	10N	585184	5822783	GPS internal	3	1145	GPS internal	soil	assay	88 69 62	B	10	0	FALSE	FALSE	4				complete		MP22-001	1						
MPL001 02+50S	MP	EE	2022-05-16	10N	585175	5822764	GPS internal	6	1140	GPS internal	soil	assay	49 49 47	B	10	0	FALSE	FALSE	4				complete		MP22-001	1						
MPL001 02+75S	MP	EE	2022-05-16	10N	585162	5822745	GPS internal	3	1150	GPS internal	soil	assay	76 67 60	B	10	0	FALSE	FALSE	4				complete		MP22-001	1						
MPL001 03+00S	MP	EE	2022-05-16	10N	585144	5822727	GPS internal	3	1144	GPS internal	soil	assay		B	0	0	FALSE	FALSE	0				complete	0	MP22-001	1			old logging roac			
MPL001 03+25S	MP	EE	2022-05-16	10N	585131	5822695	GPS internal	4	1140	GPS internal	soil	assay		B	0	0	FALSE	FALSE	1				complete	0	MP22-001	1			old logging roac			
MPL001 03+50S	MP	EE	2022-05-16	10N	585118	5822677	GPS internal	3	1138	GPS internal	soil	assay	135 106 102	B	30	0	FALSE	FALSE	4				complete		MP22-001	1						
MPL001 03+75S	MP	EE	2022-05-16	10N	585102	5822666	GPS internal	4	1138	GPS internal	soil	assay	98 67 62	B	30	0	FALSE	FALSE	1				organics		complete		MP22-001	1				
MPL001 04+00S	MP	EE	2022-05-16	10N	585092	5822642	GPS internal	3	1137	GPS internal	soil	assay	45 66 83	27 32 36	B	10	0	FALSE	FALSE	4				complete		MP22-001	1					
MPL001 04+25S	MP	EE	2022-05-16	10N	585072	5822620	GPS internal	4	1126	GPS internal	soil	assay	33 37 36	B	5	10	FALSE	FALSE	2				complete		MP22-001	1						
MPL001 04+50S	MP	EE	2022-05-16	10N	585057	5822602	GPS internal	5	1116	GPS internal	soil	assay	18 18 18	B	30	10	FALSE	FALSE	3				complete		MP22-001	1						
MPL001 04+75S	MP	EE	2022-05-16	10N	585041	5822576	GPS internal	4	1117	GPS internal	soil	assay	32 38 38	B	10	0	FALSE	FALSE	3				complete		MP22-001	1						
MPL001 05+00S	MP	EE	2022-05-16	10N	585027	5822565	GPS internal	3	1125	GPS internal	soil	assay	97 71 72	B	20	0	FALSE	FALSE	1				complete		MP22-001	1						
MPL001 05+25S	MP	EE	2022-05-16	10N	585014	5822543	GPS internal	4	1119	GPS internal	soil	assay	97 70 61	B	10	10	FALSE	FALSE	3				complete		MP22-001	1						
MPL001 05+50S	MP	EE	2022-05-16	10N	584999	5822522	GPS internal	3	1123	GPS internal	soil	assay	98 60 59	B	10	0	FALSE	FALSE	4				complete		MP22-001	1						
MPL001 05+75S	MP	EE	2022-05-16	10N	584987	5822495	GPS internal	3	1128	GPS internal	soil	assay	116 71 52	B	20	0	FALSE	FALSE	5				complete		MP22-001	1						
MPL001 06+00S	MP	EE	2022-05-16	10N	584971	5822474	GPS internal	4	1121	GPS internal	soil	assay	98 38 37	B	10	10	FALSE	FALSE	4				complete		MP22-001	1						
MPL001 06+25S	MP	EE	2022-05-16	10N	584955	5822463	GPS internal	4	1121	GPS internal	soil	assay	87 53 44	B	10	5	FALSE	FALSE	4				complete		MP22-001	1						
MPL001 06+50S	MP	EE	2022-05-16	10N	584937	5822435	GPS internal	3	1115	GPS internal	soil	assay	185 150 144	B	20	0	FALSE	FALSE	3				complete		MP22-001	1						
MPL001 06+75S	MP	EE	2022-05-16	10N	584929	5822423	GPS internal	6	1114	GPS internal	soil	assay	91 63 52	B	10	0	FALSE	FALSE	4				complete		MP22-001	1						
MPL001 07+00S	MP	EE	2022-05-16	10N	584912	5822394	GPS internal	5	1120	GPS internal	soil	assay	18 18 18	B	40	0	FALSE	FALSE	1				complete		MP22-001	1						
MPL001 07+25S	MP	EE	2022-05-16	10N	584898	5822374	GPS internal	3	1112	GPS internal	soil	assay	29 29 29	B	20	0	FALSE	FALSE	3				complete		MP22-001	1						
MPL001 07+50S	MP	EE	2022-05-16	10N	584880	5822360	GPS internal	3	1123	GPS internal	soil	assay	185 160 166	B	10	0	FALSE	FALSE	2				complete		MP22-001	1						
MPL001 07+75S	MP	EE	2022-05-16	10N	584869	5822334	GPS internal	4	1114	GPS internal	soil	assay	158 127 122	B	20	0	FALSE	FALSE	3				complete		MP22-001	1						
MPL001 08+00S	MP	EE	2022-05-16	10N	584856	5822316	GPS internal	4	1118	GPS internal	soil	assay	110 89 94	B	20	0	FALSE	FALSE	2				line end		complete		MP22-001	1				
MPL002 00+00	MP	EH	2022-07-20	10N	585451	5822902	GPS internal	9	1156	GPS internal	soil	assay	84 83 79	B	10	5	FALSE	FALSE	4				complete		MP22-001	1						
MPL002 00+25S	MP	EH	2022-07-20	10N	585432	5822968	GPS internal	9	1157	GPS internal	soil	assay	101 78 94	B	10	0	FALSE	FALSE	1				complete		MP22-001	1						
MPL002 00+50S	MP	EH	2022-07-20	10N	585419	5822939	GPS internal	9	1149	GPS internal	soil	assay	91 72 66	B	10	0	FALSE	FALSE	3				complete		MP22-001	1						
MPL002 00+75S	MP	EH	2022-07-20	10N	585403	5822927	GPS internal	3	1157	GPS internal	soil	assay	19 38 34	B	20	0	FALSE	FALSE	1				complete		MP22-001	1						
MPL002 01+00S	MP	EH	2022-07-20	10N	585394	5822897	GPS internal	9	1151	GPS internal	soil	assay	69 99 107	B	15	0	FALSE	FALSE	1				complete		MP22-001	1			wer			
MPL002 01+25S	MP	EH	2022-07-20	10N	585378	5822879	GPS internal	9	1154	GPS internal	soil	assay	85 74 78	B	10	0	FALSE	FALSE	1				complete		MP22-001	1						
MPL002 01+50S	MP	EH	2022-07-20	10N	585361	5822860	GPS internal	3	1150	GPS internal	soil	assay		B	10	0	FALSE	FALSE	1				complete		MP22-001	1						
MPL002 01+75S	MP	EH	2022-07-20	10N	585338	5822840	GPS internal	9	1160	GPS internal	soil	assay	176 150 151	B	10	0	FALSE	FALSE	3				complete		MP22-001	1						
MPL002 02+00S	MP	EH	2022-07-20	10N	585329	5822832	GPS internal	9	1160	GPS internal	soil	assay	73 75 61	B	10	0	FALSE	FALSE	1				complete		MP22-001	1						
MPL002 02+25S	MP	EH	2022-07-20	10N	585315	5822789	GPS internal	4	1158	GPS internal	soil	assay	141 124 106	B	10	0	FALSE	FALSE	4				complete		MP22-001	1						
MPL002 02+50S	MP	EH	2022-07-20	10N	585305	5822786	GPS internal	3	1158	GPS internal	soil	assay	112 99 83	A-B	10	0	FALSE	FALSE	2				complete		MP22-001	1						
MPL002 02+75S	MP	EH	2022-07-20	10N	585288	5822757	GPS internal	9	1155	GPS internal	soil	assay	95 74 55	B	10	0	FALSE	FALSE	3				complete		MP22-001	1						
MPL002 03+00S	MP	EH	2022-07-20	10N	585284	5822744	GPS internal	9	1147	GPS internal	soil	assay	35 35 35	B	10	0	FALSE	FALSE	2				complete		MP22-001	1						
MPL002 03+25S	MP	EH	2022-07-20	10N	585261	5822722	GPS internal	9	1149	GPS internal	soil	assay	114 102 86	B	10	0	FALSE	FALSE	2				complete		MP22-001	1						
MPL002 03+50S	MP	EH	2022-07-20	10N	585250	5822693	GPS internal	3	1148	GPS internal	soil	assay	105 80 73	B	5	5	FALSE	FALSE	4				complete		MP22-001	1						
MPL002 03+75S	MP	EH	2022-07-20	10N	585226	5822666	GPS internal	9	1151	GPS internal	soil	assay	82 79 60	B	10	5	FALSE	FALSE	4				complete		MP22-001	1						
MPL002 04+00S	MP	EH	2022-07-20	10N	585210	5822653	GPS internal	3	1148	GPS internal	soil	assay	90 79 57	B	10	5	FALSE	FALSE	3				complete		MP22-001	1						
MPL002 04+25S	MP	EH	2022-07-20	10N	585201	5822639	GPS internal	8	1144	GPS internal	soil	assay	82 90 69	B	10	5	FALSE	FALSE	4				complete		MP22-001	1						
MPL002 04+50S	MP	EH	2022-07-20	10N	585187	5822615	GPS internal	9	1138	GPS internal	soil	assay	59 42 22	B	10	0	FALSE	FALSE	3				complete		MP22-001	1						
MPL002 04+75S	MP	EH	2022-07-20	10N	585168	5822595	GPS internal	9	1140	GPS internal	soil	assay	76 82 70	B	10	0	FALSE	FALSE	3				complete									

APPENDIX 4: Qaqc

Sample	Project	QAQC Class	Purpose	Ref Material	Parent Sample	Shipment	Bucket	Source	Previous Sample	Ref Table	Status	Notes
MPL001 01+00SD	MP	duplicate	assay	0	MPL001 01+00S	MP22-001	1		MPL001 01+00S	soil	complete	

APPENDIX 4: Rock

Sample	Project	Sampler	Sample Date	UTM Zone	E (UTM)	N (UTM)	Loc Method	Accuracy (m)	Elev (m)	Elev Method	Sample Type	Purpose	Channel Length (m)	Channel Azimuth	Channel Inclination	Lith Major	Lith Minor	Colour Weathered	Colour Fresh	Grainsize	Texture	Mineralized	Altered	Is Vein	Least Altered
EEMPR001	MP	EE	2022-05-16	10N	585168	5823343	GPS internal	3	1152	GPS internal	grab	assay				trachyte		115 95 88	130 115 108	fine-medium	amygdaloida	FALSE	FALSE	FALSE	FALSE
EEMPR002	MP	EE	2022-05-16	10N	585459	5823559	GPS internal	3	1156	GPS internal	grab	assay				felsite		176 152 128	121 122 108	medium	felsite	FALSE	FALSE	FALSE	FALSE
EEMPR003	MP	EE	2022-05-17	10N	582024	5821660	GPS internal	3	1124	GPS internal	grab	assay				trachyte		155 151 140	131 130 125	fine		FALSE	FALSE	FALSE	FALSE
EEMPR004	MP	EE	2022-05-17	10N	582211	5821740	GPS internal	3	1115	GPS internal	grab	assay				felsite		117 106 78	75 67 46	fine	fractured	FALSE	FALSE	FALSE	FALSE
EEMPR005	MP	EE	2022-05-17	10N	582526	5821490	GPS internal	3	1115	GPS internal	grab	assay				crystal tuff	felsite	149 110 93	137 127 115	fine-medium	brecciated	FALSE	FALSE	FALSE	FALSE
EEMPR006	MP	EE	2022-05-17	10N	586078	5823182	GPS internal	3	1125	GPS internal	grab	assay				trachyte		96 76 85	101 85 96	fine	aphanitic	FALSE	FALSE	FALSE	FALSE
EHMPR001	MP	EH	2022-07-21	10N	582025	5821630	GPS internal	3	1112	GPS internal	subcrop	assay						182 120 95	251 215 215			FALSE	FALSE	FALSE	FALSE
EMMPR001	MP	EM	2022-07-20	10N	584885	5822574	GPS internal	4	1122	GPS internal	grab	assay				trachyte		94 61 52	78 48 37	fine-medium		FALSE	FALSE	FALSE	FALSE
EMMPR002	MP	EM	2022-07-20	10N	585105	5823557	GPS internal	11	1119	GPS internal	grab	assay				trachyte		95 69 54	177 167 166	fine	amygdaloida	FALSE	FALSE	FALSE	FALSE
EMMPR003	MP	EM	2022-07-20	10N	585085	5823572	GPS internal	3	1147	GPS internal	grab	assay				trachyte		142 119 88	85 90 86	very fine	amygdaloida	TRUE	TRUE	FALSE	FALSE
EMMPR004	MP	EM	2022-07-20	10N	585289	5823308	GPS internal	9	1161	GPS internal	grab	assay				trachyte		149 110 79	139 118 91	fine-medium		TRUE	TRUE	FALSE	FALSE

APPENDIX 4: Rock

Sample	Project	Sampler	Sample Date	Mass (kg)	Status	Shipment	Bucket	Notes	Source	Type	Class	Ag (ppm)	Al (pct)	As (ppm)	Au (ppb)	B (ppm)	Ba (ppm)	Be (ppm)	Bi (ppm)	Br (ppm)	C (pct)	Ca (pct)	Cd (ppm)
EEMPR001	MP	EE	2022-05-16	1	complete	MP22-002	1	poikadot rock, maroon re	rock	sample	0.04	6.7	11.2	7		980	1.18	0.04				7.92	0.09
EEMPR002	MP	EE	2022-05-16	1	complete	MP22-002	1	light grey rock	rock	sample	0.01	8.53	19.9	9		760	1.14	0.05				4.45	0.08
EEMPR003	MP	EE	2022-05-17	1	complete	MP22-002	1	mafic volcanic, possible cuprite	rock	sample	0.02	7.63	3.4	8		480	0.75	0.01				5.99	0.09
EEMPR004	MP	EE	2022-05-17	1	complete	MP22-002	1	felsic volcanic, mud stones	rock	sample	0.22	8.16	5.2	7		840	1.06	0.03				5.11	0.09
EEMPR005	MP	EE	2022-05-17	1	complete	MP22-002	1	tuff with light green xenoliths	rock	sample	0.04	8.69	5.9	6		100	1.5	0.04				17.05	0.26
EEMPR006	MP	EE	2022-05-17	1	complete	MP22-002	1	brown red to grey volcanic with minor epidote, maybe cupri	rock	sample	0.02	7.72	4.8	6		1120	1.44	0.02				4.49	0.07
EHMPR001	MP	EH	2022-07-21	0.5	complete	MP22-002	1	outcrop on side of the road, possibly limonite hosted in a white tuff, limonite rust weather colour and very	rock	sample	0.13	1.64	15.2	16		60	0.75	-0.01				13.55	0.14
EMMPR001	MP	EM	2022-07-20	1	complete	MP22-002	1	Maroon red trachyte with carbonate alteration/veining and porphyritic, dark green, cryst	rock	sample	0.05	7.43	2.3	5		230	0.75	0.02				6.87	0.13
EMMPR002	MP	EM	2022-07-20	1	complete	MP22-002	2	Dark green-maroon trachyte with plag phenos and red amygdules? (cuprite)	rock	sample	0.01	7.45	3.1	-5		1480	1.48	0.04				5.4	0.09
EMMPR003	MP	EM	2022-07-20	1	complete	MP22-002	2	Dark green, amygdaloidal trachyte, 0.5% total Malachite, azurite, and chatocite filling amygdules. Weak epidote altera	rock	sample	0.18	8.4	2.6	8		700	0.93	0.01				7	0.19
EMMPR004	MP	EM	2022-07-20	1	complete	MP22-002	2	Carbonate altered, dark green trachyte with 1% red, cubic cuprit	rock	sample	0.13	6.16	4.6	11		810	1.3	0.02				7.66	0.14

APPENDIX 4: Rock

Sample	Project	Sampler	Sample Date	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)	Cu (ppm)	Dy (ppm)	Er (ppm)	Eu (ppm)	Fe (pct)	Ga (ppm)	Gd (ppm)	Ge (ppm)	Hf (ppm)	Hg (ppb)	Ho (ppm)	In (ppm)	K (pct)	La (ppm)	Li (ppm)	Mg (pct)	Mn (ppm)	Mo (ppm)	Na (pct)	Nb (ppm)	Nd (ppm)	Ni (ppm)	P (pct)	Pb (ppm)	Pd (ppb)
EEMPR001	MP	EE	2022-05-16	25.4	31.5	87	1.53	37.2				7.02	12.95		0.14	1.4			0.054	2.37	12.5	31.3	3.52	1120	1.2	2.25	2.3		28.5	0.333	10.8	
EEMPR002	MP	EE	2022-05-16	22.2	15.6	20	0.2	2.1				5.05	18.05		0.12	1.9			0.052	1.8	10.2	17.6	1.66	1465	0.35	3.93	2.8		8.7	0.123	4.4	
EEMPR003	MP	EE	2022-05-17	14.5	26	33	0.55	19.2				6.35	12.1		0.09	1.3			0.04	1	7.2	20	3.12	1235	0.39	3.88	1.8		19.6	0.144	5	
EEMPR004	MP	EE	2022-05-17	14.9	22.1	57	1.08	158.5				5.3	12.75		0.1	1.2			0.045	1.89	8.4	16.4	1.41	1055	1.41	3.22	2		24.6	0.161	5.8	
EEMPR005	MP	EE	2022-05-17	15.05	23.1	58	0.87	108				5.72	32.4		0.09	1.1			0.036	0.42	8	8.5	1.29	1035	0.77	0.88	1.5		28.9	0.142	10.3	
EEMPR006	MP	EE	2022-05-17	31.3	31.6	1	17.2	93.2				7.39	12.15		0.14	1.5			0.046	4.35	15.4	33.4	3.4	1400	0.35	2.24	2.8		12	0.368	6.9	
EHMPR001	MP	EH	2022-07-21	4.45	18.1	25	0.81	19.1				4.08	3.58		0.06	0.3			0.02	0.49	2.2	66.4	0.37	709	0.65	0.02	0.4		16.2	0.057	1.6	
EMMPR001	MP	EM	2022-07-20	27.3	26.1	58	0.2	131				6.91	12.45		0.11	1.5			0.052	1.9	12.8	9.8	1.19	1350	0.53	4.17	2.6		16.6	0.26	5.1	
EMMPR002	MP	EM	2022-07-20	30.8	35.2	133	0.61	25.2				7.32	12.7		0.12	1.4			0.052	3.14	15.5	44	4.18	1450	0.71	2.17	2.6		41.6	0.322	7	
EMMPR003	MP	EM	2022-07-20	15.8	32.9	63	0.37	1005				7.57	15.8		0.09	1.5			0.043	2.08	7.8	34.7	3.44	1545	0.71	2.15	2.3		24.9	0.164	7.6	
EMMPR004	MP	EM	2022-07-20	28.2	44.9	88	1.81	271				8.74	13.35		0.11	1.5			0.058	1.7	13.8	38.4	4.73	1390	0.59	1.6	2.4		31.4	0.312	7.8	

APPENDIX 4: Rock

Sample	Project	Sampler	Sample Date	Pr (ppm)	Pt (ppb)	Rb (ppm)	Re (ppm)	S (pct)	Sb (ppm)	Sc (ppm)	Se (ppm)	Sm (ppm)	Sn (ppm)	Sr (ppm)	Ta (ppm)	Tb (ppm)	Te (ppm)	Th (ppm)	Tl (pct)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Y (ppm)	Yb (ppm)	Zn (ppm)	Zr (ppm)
EEMPR001	MP	EE	2022-05-16			33.3	-0.002	0.01	0.61	31.9	-1		0.8	744	0.13		-0.05	1.75	0.399	0.09	1.1	270	1.1	12.4		93	45.2
EEMPR002	MP	EE	2022-05-16			27.6	-0.002	0.01	0.56	13.7	-1		0.9	1215	0.16		-0.05	1.41	0.416	0.11	1	211	0.7	20.4		84	59.7
EEMPR003	MP	EE	2022-05-17			38.1	-0.002	-0.01	0.25	24.8	-1		0.6	1365	0.11		-0.05	1	0.373	0.05	0.5	242	0.2	14.2		76	41.2
EEMPR004	MP	EE	2022-05-17			30.1	0.002	0.05	3.26	17.1	-1		0.6	646	0.13		-0.05	1.06	0.327	0.14	0.7	191	0.6	14.8		88	38.8
EEMPR005	MP	EE	2022-05-17			17.1	-0.002	0.01	0.74	18.8	-1		0.6	687	0.1		-0.05	1.01	0.296	0.07	0.5	306	0.3	13.1		47	37.8
EEMPR006	MP	EE	2022-05-17			70.2	-0.002	-0.01	0.26	20.9	-1		0.7	1180	0.15		-0.05	2.12	0.421	0.09	0.9	260	0.3	15.5		93	52.2
EHMPR001	MP	EH	2022-07-21			13.6	-0.002	0.01	19.2	11.7	-1		-0.2	449	-0.05		0.15	0.27	0.114	0.06	0.3	59	1.4	3.9		62	8.9
EMMPR001	MP	EM	2022-07-20			29.5	-0.002	0.01	0.11	31.9	-1		0.8	362	0.15		-0.05	1.78	0.449	0.05	1	285	0.2	13.3		65	49.6
EMMPR002	MP	EM	2022-07-20			50.7	-0.002	-0.01	0.28	31.3	-1		0.8	1425	0.14		-0.05	2.2	0.396	0.1	0.8	297	0.4	13.6		90	45.9
EMMPR003	MP	EM	2022-07-20			30.4	-0.002	-0.01	0.14	30.2	-1		0.7	955	0.13		-0.05	1.18	0.449	0.06	0.8	288	0.2	16.7		100	49.3
EMMPR004	MP	EM	2022-07-20			37.8	-0.002	0.01	0.35	39	-1		0.8	1030	0.13		-0.05	1.62	0.447	0.07	0.8	320	0.3	15.3		105	47.6

APPENDIX 4: Soil

Sample	Project	Sampler	Sample Date	UTM Zone	E (UTM)	N (UTM)	Loc Method	Accuracy (m)	Elev (m)	Elev Method	Sample Type	Purpose	Colour 1	Colour 2	Horizon	Depth (cm)	Slope	Outcrop	Permafrost	pH	Quality	Shortnote 1	Shortnote 2	Status	Mass (kg)	Shipment	Bucket
MPL001 00+00	MP	EE	2022-05-16	10N	585317	5822969	GPS internal	4	1140	GPS internal	soil	assay	20 20 20	B	30	0	FALSE	FALSE	2		line start		complete		MP22-001	1	
MPL001 00+25S	MP	EE	2022-05-16	10N	585291	5822937	GPS internal	3	1155	GPS internal	soil	assay	82 90 109	B	30	0	FALSE	FALSE	2				complete		MP22-001	1	
MPL001 00+50S	MP	EE	2022-05-16	10N	585283	5822928	GPS internal	5	1150	GPS internal	soil	assay	99 89 77	B	20	0	FALSE	FALSE	2				complete		MP22-001	1	
MPL001 00+75S	MP	EE	2022-05-16	10N	585269	5822910	GPS internal	3	1153	GPS internal	soil	assay	64 54 52	B	20	0	FALSE	FALSE	2				complete		MP22-001	1	
MPL001 01+00S	MP	EE	2022-05-16	10N	585258	5822883	GPS internal	3	1149	GPS internal	soil	assay	69 64 61	B	10	10	FALSE	FALSE	5		select from list	select from list	complete		MP22-001	1	
MPL001 01+25S	MP	EE	2022-05-16	10N	585243	5822864	GPS internal	3	1145	GPS internal	soil	assay	144 106 97	B	10	0	FALSE	FALSE	5				complete		MP22-001	1	
MPL001 01+50S	MP	EE	2022-05-16	10N	585231	5822851	GPS internal	4	1142	GPS internal	soil	assay	71 69 53	B	10	0	FALSE	FALSE	5				complete		MP22-001	1	
MPL001 01+75S	MP	EE	2022-05-16	10N	585224	5822842	GPS internal	4	1142	GPS internal	soil	assay	72 65 42	B	10	0	FALSE	FALSE	4		0		complete		MP22-001	1	
MPL001 02+00S	MP	EE	2022-05-16	10N	585204	5822805	GPS internal	3	1141	GPS internal	soil	assay	33 35 34	B	30	0	FALSE	FALSE	4				complete		MP22-001	1	
MPL001 02+25S	MP	EE	2022-05-16	10N	585184	5822783	GPS internal	4	1145	GPS internal	soil	assay	88 69 62	B	10	0	FALSE	FALSE	4				complete		MP22-001	1	
MPL001 02+50S	MP	EE	2022-05-16	10N	585175	5822764	GPS internal	6	1140	GPS internal	soil	assay	49 49 47	B	10	0	FALSE	FALSE	4				complete		MP22-001	1	
MPL001 02+75S	MP	EE	2022-05-16	10N	585162	5822745	GPS internal	3	1150	GPS internal	soil	assay	76 67 60	B	10	0	FALSE	FALSE	4				complete		MP22-001	1	
MPL001 03+00S	MP	EE	2022-05-16	10N	585144	5822727	GPS internal	3	1144	GPS internal	soil	assay		B	10	0	FALSE	FALSE	0				complete	0	MP22-001	1	
MPL001 03+25S	MP	EE	2022-05-16	10N	585131	5822695	GPS internal	4	1140	GPS internal	soil	assay		B	10	0	FALSE	FALSE	0				complete	0	MP22-001	1	
MPL001 03+50S	MP	EE	2022-05-16	10N	585118	5822677	GPS internal	3	1138	GPS internal	soil	assay	135 106 102	B	30	0	FALSE	FALSE	4				complete		MP22-001	1	
MPL001 04+00S	MP	EE	2022-05-16	10N	585102	5822666	GPS internal	4	1138	GPS internal	soil	assay	98 67 62	B	30	0	FALSE	FALSE	1		organics		complete		MP22-001	1	
MPL001 04+00S	MP	EE	2022-05-16	10N	585092	5822642	GPS internal	3	1137	GPS internal	soil	assay	45 66 83	B	10	0	FALSE	FALSE	4				complete		MP22-001	1	
MPL001 04+25S	MP	EE	2022-05-16	10N	585072	5822620	GPS internal	4	1126	GPS internal	soil	assay	33 37 36	B	5	10	FALSE	FALSE	2				complete		MP22-001	1	
MPL001 04+50S	MP	EE	2022-05-16	10N	585057	5822602	GPS internal	5	1116	GPS internal	soil	assay	18 18 18	B	30	10	FALSE	FALSE	3				complete		MP22-001	1	
MPL001 04+75S	MP	EE	2022-05-16	10N	585041	5822576	GPS internal	4	1117	GPS internal	soil	assay	32 38 38	B	10	0	FALSE	FALSE	3				complete		MP22-001	1	
MPL001 05+00S	MP	EE	2022-05-16	10N	585027	5822565	GPS internal	3	1125	GPS internal	soil	assay	97 71 72	B	20	0	FALSE	FALSE	1				complete		MP22-001	1	
MPL001 05+25S	MP	EE	2022-05-16	10N	585014	5822543	GPS internal	4	1119	GPS internal	soil	assay	97 70 61	B	10	10	FALSE	FALSE	3				complete		MP22-001	1	
MPL001 05+50S	MP	EE	2022-05-16	10N	584999	5822522	GPS internal	3	1123	GPS internal	soil	assay	98 60 59	B	10	0	FALSE	FALSE	4				complete		MP22-001	1	
MPL001 05+75S	MP	EE	2022-05-16	10N	584987	5822495	GPS internal	3	1128	GPS internal	soil	assay	116 71 52	B	20	0	FALSE	FALSE	5				complete		MP22-001	1	
MPL001 06+00S	MP	EE	2022-05-16	10N	584971	5822474	GPS internal	3	1121	GPS internal	soil	assay	38 38 37	B	10	10	FALSE	FALSE	4				complete		MP22-001	1	
MPL001 06+25S	MP	EE	2022-05-16	10N	584955	5822463	GPS internal	4	1121	GPS internal	soil	assay	87 53 44	B	10	5	FALSE	FALSE	4				complete		MP22-001	1	
MPL001 06+50S	MP	EE	2022-05-16	10N	584937	5822435	GPS internal	3	1115	GPS internal	soil	assay	185 150 144	B	20	0	FALSE	FALSE	3				complete		MP22-001	1	
MPL001 06+75S	MP	EE	2022-05-16	10N	584929	5822423	GPS internal	6	1114	GPS internal	soil	assay	91 63 52	B	10	0	FALSE	FALSE	4				complete		MP22-001	1	
MPL001 07+00S	MP	EE	2022-05-16	10N	584912	5822394	GPS internal	5	1123	GPS internal	soil	assay	18 18 18	B	40	0	FALSE	FALSE	1				complete		MP22-001	1	
MPL001 07+25S	MP	EE	2022-05-16	10N	584899	5822374	GPS internal	3	1112	GPS internal	soil	assay	29 29 29	B	20	0	FALSE	FALSE	3				complete		MP22-001	1	
MPL001 07+50S	MP	EE	2022-05-16	10N	584880	5822360	GPS internal	3	1123	GPS internal	soil	assay	185 160 166	B	10	0	FALSE	FALSE	2				complete		MP22-001	1	
MPL001 07+75S	MP	EE	2022-05-16	10N	584869	5822334	GPS internal	4	1114	GPS internal	soil	assay	158 127 122	B	20	0	FALSE	FALSE	3				complete		MP22-001	1	
MPL002 00+00S	MP	EH	2022-07-20	10N	584856	5822316	GPS internal	4	1118	GPS internal	soil	assay	110 89 94	B	20	0	FALSE	FALSE	2				complete		MP22-001	1	
MPL002 00+00	MP	EH	2022-07-20	10N	585451	5822982	GPS internal	9	1156	GPS internal	soil	assay	84 83 79	B	10	5	FALSE	FALSE	4				complete		MP22-001	1	
MPL002 00+25S	MP	EH	2022-07-20	10N	585432	5822968	GPS internal	9	1157	GPS internal	soil	assay	101 78 94	B	10	0	FALSE	FALSE	1				complete		MP22-001	1	
MPL002 00+50S	MP	EH	2022-07-20	10N	585419	5822939	GPS internal	9	1149	GPS internal	soil	assay	91 72 66	B	10	0	FALSE	FALSE	3				complete		MP22-001	1	
MPL002 00+75S	MP	EH	2022-07-20	10N	585403	5822927	GPS internal	3	1157	GPS internal	soil	assay	19 38 34	B	20	0	FALSE	FALSE	1				complete		MP22-001	1	
MPL002 01+00S	MP	EH	2022-07-20	10N	585394	5822897	GPS internal	9	1151	GPS internal	soil	assay	69 99 107	B	15	0	FALSE	FALSE	1				complete		MP22-001	1	
MPL002 01+25S	MP	EH	2022-07-20	10N	585378	5822879	GPS internal	9	1154	GPS internal	soil	assay		B	10	0	FALSE	FALSE	1				complete		MP22-001	1	
MPL002 01+50S	MP	EH	2022-07-20	10N	585361	5822860	GPS internal	9	1150	GPS internal	soil	assay	85 74 78	B	10	0	FALSE	FALSE	1				complete		MP22-001	1	
MPL002 01+75S	MP	EH	2022-07-20	10N	585338	5822840	GPS internal	9	1160	GPS internal	soil	assay	176 150 151	B	10	0	FALSE	FALSE	3				complete		MP22-001	1	
MPL002 02+00S	MP	EH	2022-07-20	10N	585329	5822832	GPS internal	9	1160	GPS internal	soil	assay	73 75 61	B	10	0	FALSE	FALSE	1				complete		MP22-001	1	
MPL002 02+25S	MP	EH	2022-07-20	10N	585315	5822789	GPS internal	4	1158	GPS internal	soil	assay	141 124 106	B	10	0	FALSE	FALSE	4				complete		MP22-001	1	
MPL002 02+50S	MP	EH	2022-07-20	10N	585305	5822786	GPS internal	3	1158	GPS internal	soil	assay	112 99 83	A-B	10	0	FALSE	FALSE	2				complete		MP22-001	1	
MPL002 02+75S	MP	EH	2022-07-20	10N	585288	5822757	GPS internal	9	1155	GPS internal	soil	assay	95 74 55	B	10	0	FALSE	FALSE	3				complete		MP22-001	1	
MPL002 03+00S	MP	EH	2022-07-20	10N	585284	5822744	GPS internal	9	1147	GPS internal	soil	assay	35 35 35	B	10	0	FALSE	FALSE	2				complete		MP22-001	1	
MPL002 03+25S	MP	EH	2022-07-20	10N	585261	5822722	GPS internal	9	1149	GPS internal	soil	assay	114 102 86	B	10	0	FALSE	FALSE	2				complete		MP22-001	1	
MPL002 03+50S	MP	EH	2022-07-20	10N	585250	5822693	GPS internal	3	1148	GPS internal	soil	assay	105 80 73	B	5	5	FALSE	FALSE	4				complete		MP22-001	1	
MPL002 03+75S	MP	EH	2022-07-20	10N	585226	5822666	GPS internal	9	1151	GPS internal	soil	assay	92 79 60	B	10	5	FALSE	FALSE	4				complete		MP22-001	1	
MPL002 04+00S	MP	EH	2022-07-20	10N	585210	5822663	GPS internal	3	1148	GPS internal	soil	assay	90 79 57	B	10	5	FALSE	FALSE	3				complete		MP22-001	1	
MPL002 04+25S	MP	EH	2022-07-20	10N	585201	5822639	GPS internal	8	1144	GPS internal	soil	assay	82 90 69	B	10	5	FALSE	FALSE	4				complete		MP22-001	1	
MPL002 04+50S	MP	EH	2022-07-20	10N	585187	5822615	GPS internal	9	1138	GPS internal	soil	assay	59 42 22	B	10	0	FALSE	FALSE	3				complete		MP22-001	1	
MPL002 04+75S	MP	EH	2022-07-20	10N	585168	5822595	GPS internal	9	1140	GPS internal	soil	assay	76 82 70	B	10	0	FALSE	FALSE	3				complete		MP22-001	1	
MPL002 05+00S	MP	EH	2022-07-20	10N	585165	5822576	GPS internal	3	1137	GPS internal	soil	assay	97 61 61	B	10	0	FALSE	FALSE	3				complete		MP22-001	1	
MPL002 05+25S	MP	EH	2022-07-20	10N	585143	5822555	GPS internal	3	1136	GPS internal	soil	assay		B	10	0	FALSE	FALSE	0				complete	0	MP22-001	1	
MPL002 05+50S	MP	EH	2022-07-20	10N	585130	5822542	GPS internal	4	1136	GPS internal	soil	assay	132 115 97	B	10	0	FALSE	FALSE	3				complete		MP22-001	1	
MPL002 05+75S	MP	EH	2022-07-20	10N	585111	5822516	GPS internal	3	1131	GPS internal	soil	assay	50 55 48	B	15	0	FALSE	FALSE	3				complete		MP22-001	1	
MPL002 06+0																											

APPENDIX 4: Soil

Sample	Project	Sampler	Sample Date	Notes	Source	Type	Class	Ag (ppm)	Al (pct)	As (ppm)	Au (ppb)	B (ppm)	Ba (ppm)	Be (ppm)	Bi (ppm)	Br (ppm)	C (pct)	Ca (pct)	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)	Cu (ppm)	Dy (ppm)	Er (ppm)	Eu (ppm)	Fe (pct)	Ga (ppm)
MPL001 00+00	MP	EE	2022-05-16			soil	sample	0.12	2.12	6	3.2	-10	130	0.73	0.09		0.7	0.19	26.7	14.6	58	1.68	60.4				3.58	5.71	
MPL001 00+25S	MP	EE	2022-05-16			soil	sample	0.1	1.79	6.4	2.1	-10	120	0.59	0.07		0.87	0.13	27.8	14.6	46	1.38	47				3.24	5.15	
MPL001 00+50S	MP	EE	2022-05-16			soil	sample	0.14	2.12	6	1.3	-10	130	0.72	0.09		0.62	0.19	28.2	17	45	2.03	67.6				3.48	6.18	
MPL001 00+75S	MP	EE	2022-05-16			soil	sample	0.04	1.22	4.5	4.1	-10	60	0.31	0.07		0.42	0.09	23.3	8.4	33	0.85	24.6				2.55	4.23	
MPL001 01+00S	MP	EE	2022-05-16			soil	sample	0.08	1.21	4.7	1.5	-10	70	0.34	0.07		0.42	0.12	15.15	7.9	33	1	19.2				3.1	4.68	
MPL001 01+25S	MP	EE	2022-05-16			soil	sample	0.05	1.22	4.7	1.2	-10	70	0.31	0.06		0.49	0.11	16.8	9.8	35	0.88	25.6				3.42	4.9	
MPL001 01+50S	MP	EE	2022-05-16			soil	sample	0.09	1.6	5.8	1.5	-10	100	0.39	0.07		0.51	0.15	23.3	10.4	43	0.91	26.1				3.3	5.42	
MPL001 01+75S	MP	EE	2022-05-16	on road																									
MPL001 02+00S	MP	EE	2022-05-16			soil	sample	0.1	1.62	6.3	2	-10	100	0.39	0.06		0.58	0.15	19.9	13.6	41	1.02	38.7				3.95	5.48	
MPL001 02+25S	MP	EE	2022-05-16			soil	sample	0.05	1.27	5.6	3.2	-10	80	0.35	0.06		0.58	0.13	25.7	10.8	39	1.14	30.6				3.33	4.14	
MPL001 02+50S	MP	EE	2022-05-16			soil	sample	0.14	1.3	4.1	1.3	-10	80	0.34	0.08		0.45	0.16	17.8	11	36	1.03	26.4				3.16	4.73	
MPL001 02+75S	MP	EE	2022-05-16			soil	sample	0.26	1.6	4.5	4	-10	200	0.46	0.1		0.69	0.24	16.35	10.8	41	1.28	25.6				3.52	5.42	
MPL001 03+00S	MP	EE	2022-05-16	old logging road																									
MPL001 03+25S	MP	EE	2022-05-16	old logging road																									
MPL001 03+50S	MP	EE	2022-05-16			soil	sample	0.08	2.15	8.5	3.4	10	150	0.69	0.07		0.96	0.15	25.2	20.6	50	2.2	96.3				4.18	6.12	
MPL001 03+75S	MP	EE	2022-05-16			soil	sample	0.12	1.7	5.7	1.5	10	100	0.44	0.11		0.72	0.28	9.9	13.3	45	1.52	51.1				4.37	6.61	
MPL001 04+00S	MP	EE	2022-05-16			soil	sample	0.2	0.84	3.6	5.4	-10	100	0.23	0.09		0.47	0.18	9.47	8.8	37	1.16	19.4				3.75	4.78	
MPL001 04+25S	MP	EE	2022-05-16			soil	sample	0.08	0.67	1.9	20.3	-10	80	0.22	0.09		0.49	0.11	8.04	6.5	29	1.02	9.1				3.23	4.78	
MPL001 04+50S	MP	EE	2022-05-16			soil	sample	0.18	1.25	4.6	18.8	10	90	0.31	0.08		0.79	0.32	8.65	12.8	43	1.44	27.6				4.57	6.68	
MPL001 04+75S	MP	EE	2022-05-16			soil	sample	0.16	2.26	9.5	1.2	-10	170	0.68	0.07		0.8	0.19	13.15	22.2	53	2.3	49.1				5.7	7.88	
MPL001 05+00S	MP	EE	2022-05-16			soil	sample	0.91	3.74	9.3	3.5	10	220	1.31	0.13		2.2	0.63	25.8	17.8	80	3.31	233				4.54	7.15	
MPL001 05+25S	MP	EE	2022-05-16			soil	sample	0.17	1.16	4.4	0.5	-10	70	0.28	0.09		0.57	0.13	9.18	13.6	45	1.13	26.2				4.78	6.36	
MPL001 05+50S	MP	EE	2022-05-16			soil	sample	0.1	1.61	5.7	2.4	-10	110	0.45	0.08		0.44	0.14	10.85	13.9	47	1.45	30.3				4.42	7.51	
MPL001 05+75S	MP	EE	2022-05-16			soil	sample	0.19	1.81	6.7	5.3	-10	90	0.53	0.06		0.47	0.18	12.3	16	47	1.66	32.5				4.29	5.63	
MPL001 06+00S	MP	EE	2022-05-16			soil	sample	0.15	1.09	3.9	7.1	-10	60	0.25	0.05		0.44	0.11	15.4	9.7	31	0.98	31.4				2.87	4.04	
MPL001 06+25S	MP	EE	2022-05-16			soil	sample	0.18	1.85	7.3	1.7	-10	80	0.47	0.07		0.68	0.2	17.6	16	46	1.48	59				4.01	5.83	
MPL001 06+50S	MP	EE	2022-05-16			soil	sample	0.23	1.65	5.3	2.6	-10	90	0.44	0.09		1	0.55	18.3	11.8	37	1	67.4				2.75	4.7	
MPL001 06+75S	MP	EE	2022-05-16			soil	sample	0.14	1.52	4.1	50.1	-10	70	0.35	0.09		0.45	0.25	17.9	8.7	37	1	17.6				3.14	6.1	
MPL001 07+00S	MP	EE	2022-05-16			soil	sample	0.39	3.31	8.6	1.8	-10	190	0.96	0.14		1.04	0.31	52.2	21.2	66	1.85	111				4.16	7.8	
MPL001 07+25S	MP	EE	2022-05-16			soil	sample	0.16	1.49	3.3	1.8	-10	70	0.44	0.07		0.48	0.19	25.6	9.6	34	1.04	36.9				2.32	4.51	
MPL001 07+50S	MP	EE	2022-05-16			soil	sample	0.2	1.98	4	8.3	-10	90	0.63	0.1		0.35	0.18	25.3	11.9	44	1.67	51				2.86	6.17	
MPL001 07+75S	MP	EE	2022-05-16			soil	sample	0.07	1.13	3.5	1.1	-10	60	0.33	0.08		0.44	0.21	25.8	8.7	31	0.89	20.6				2.27	4.14	
MPL001 08+00S	MP	EE	2022-05-16			soil	sample	0.19	1.99	4	1.5	10	120	0.45	0.11		1.14	0.45	21	14.3	42	1.09	56				3.17	5.61	
MPL002 00+00	MP	EH	2022-07-20			soil	sample	0.05	1.45	4.4	1.6	-10	70	0.37	0.06		0.35	0.07	12.1	14.4	52	10.2	27.6				3.66	6.71	
MPL002 00+25S	MP	EH	2022-07-20			soil	sample	0.07	1.22	5.2	2.1	-10	70	0.39	0.05		0.46	0.08	21.6	11.4	53	2.14	34.4				2.99	3.92	
MPL002 00+50S	MP	EH	2022-07-20			soil	sample	0.06	1.28	3.2	1.2	-10	70	0.34	0.07		0.44	0.11	15.55	11	44	2.68	23.6				2.93	4.49	
MPL002 00+75S	MP	EH	2022-07-20			soil	sample	1.17	5.92	13	-20	10	550	2.26	0.22		1.75	1.04	48.2	24.9	115	5.44	292				6.39	13	
MPL002 01+00S	MP	EH	2022-07-20	wer		soil	sample	0.42	5.04	14.4	-20	10	610	1.6	0.21		1.44	0.46	36.1	28.7	88	3.78	193				5.96	11.4	
MPL002 01+25S	MP	EH	2022-07-20			soil	sample	0.22	2.17	6.8	1.8	-10	160	0.73	0.08		0.88	0.29	40	16	42	1.69	74.6				3.49	5.94	
MPL002 01+50S	MP	EH	2022-07-20			soil	sample	0.12	1.33	6	1.6	-10	70	0.3	0.07		0.54	0.12	20.4	9.8	37	1.31	33.5				3.21	5.11	
MPL002 01+75S	MP	EH	2022-07-20			soil	sample	0.06	1.01	4.1	2	-10	70	0.25	0.06		0.41	0.11	16.4	7.5	29	0.83	19				2.63	4.67	
MPL002 02+00S	MP	EH	2022-07-20			soil	sample	0.11	1.19	4.6	1.1	-10	60	0.32	0.07		0.41	0.1	17.9	8.9	34	1.05	23.5				2.92	4.89	
MPL002 02+25S	MP	EH	2022-07-20			soil	sample	0.09	1.18	7.2	2.2	-10	80	0.4	0.07		0.51	0.1	17.8	12.6	40	1.01	36.3				3.6	4.95	
MPL002 02+50S	MP	EH	2022-07-20			soil	sample	0.1	0.94	5	0.8	-10	70	0.23	0.07		0.56	0.13	12.95	10	45	0.56	20.2				3.52	5.17	
MPL002 02+75S	MP	EH	2022-07-20			soil	sample	0.21	1.58	6.5	3.1	-10	120	0.46	0.07		0.56	0.16	15.85	13.6	47	1.27	30.7				3.97	6.26	
MPL002 03+00S	MP	EH	2022-07-20			soil	sample	0.12	1.34	6.1	0.8	-10	130	0.33	0.06		0.64	0.14	16.25	12	40	0.93	30.5				3.78	5.34	
MPL002 03+25S	MP	EH	2022-07-20			soil	sample	1.61	5.07	13.4	-20	10	340	1.94	0.16		1.38	1.03	43.5	24.8	79	3.86	343				4.96	10.9	
MPL002 03+50S	MP	EH	2022-07-20			soil	sample	0.07	1.91	8.2	1.8	-10	100	0.57	0.05		0.81	0.1	15.65	18.2	40	2.25	63.5				4.38	5.42	
MPL002 03+75S	MP	EH	2022-07-20			soil	sample	0.16	1.97	5.6	1.1	-10	120	0.53	0.11		0.59	0.17	12.35	14.3	44	2.63	29.1				4.44	7.77	
MPL002 04+00S	MP	EH	2022-07-20			soil	sample	0.12	1.11	3.9	0.9	-10	100	0.26	0.09		0.5	0.16	11.9	9.8	35	1.44	18.9				3.65	6.13	
MPL002 04+25S	MP	EH	2022-07-20			soil	sample	0.06	2.43	8.1	1.4	10	120	0.65	0.06		0.59	0.11	12.05	22.5	56	3.38	64.4				5.87	7.8	
MPL002 04+50S	MP	EH	2022-07-20			soil	sample	0.04	1.65	6.2	1.9	-10	90	0.51	0.06		0.63	0.1	23.8	15.4	41	1.79	61.9				3.49	5.06	
MPL002 04+75S	MP	EH	2022-07-20			soil	sample	0.24	1.45	4.1	0.9	10	90	0.36	0.07		0.62	0.19	13.85	12.4	36	1.62	37				3.31	5.2	
MPL002 05+00S	MP	EH	2022-07-20			soil	sample	0.4	3.84	8.8	-20	10	160	1.43	0.11														

APPENDIX 4: Soil

Sample	Project	Sampler	Sample Date	Gd (ppm)	Ge (ppm)	Hf (ppm)	Hg (ppb)	Ho (ppm)	In (ppm)	K (pct)	La (ppm)	Li (ppm)	Mg (pct)	Mn (ppm)	Mo (ppm)	Na (pct)	Nb (ppm)	Nd (ppm)	Ni (ppm)	P (pct)	Pb (ppm)	Pd (ppb)	Pr (ppm)	Pt (ppb)	Rb (ppm)	Re (ppm)	S (pct)	Sb (ppm)	Sc (ppm)	
MPL001 00+00	MP	EE	2022-05-16		0.05	0.06	70		0.026	0.12	15.3	18.1	0.82	460	0.4	0.01	1.11		32.9	0.048	5.2				16.3	-0.001	0.02	0.46	12.6	
MPL001 00+25S	MP	EE	2022-05-16		0.05	0.06	100		0.021	0.11	14.3	16.4	0.86	444	0.51	0.01	1.07		23.9	0.083	4.9				13	-0.001	0.03	0.39	7.1	
MPL001 00+50S	MP	EE	2022-05-16		-0.05	0.03	60		0.023	0.1	13.7	17.2	0.91	937	0.51	0.01	0.96		23.9	0.063	5.4				14.3	0.001	0.02	0.4	6	
MPL001 00+75S	MP	EE	2022-05-16		-0.05	0.02	40		0.013	0.07	11.8	13.2	0.56	311	0.38	0.01	0.86		16	0.07	3.6				8.3	-0.001	0.02	0.34	3.2	
MPL001 01+00S	MP	EE	2022-05-16		-0.05	0.04	60		0.015	0.06	7.8	11.2	0.39	304	0.43	0.01	0.92		13	0.096	4.1				8.3	-0.001	0.02	0.43	3.1	
MPL001 01+25S	MP	EE	2022-05-16		-0.05	0.04	80		0.015	0.08	8.2	11.6	0.52	358	0.38	0.01	0.79		13.5	0.091	4.3				8.4	0.002	0.02	0.45	3.8	
MPL001 01+50S	MP	EE	2022-05-16		-0.05	0.04	70		0.016	0.08	11.9	17.9	0.64	283	0.45	0.01	1.12		21.2	0.131	4.4				9	0.001	0.02	0.36	3.9	
MPL001 01+75S	MP	EE	2022-05-16																											
MPL001 02+00S	MP	EE	2022-05-16		-0.05	0.06	60		0.017	0.09	10.2	15.4	0.82	403	0.45	0.01	0.93		21.5	0.124	4.4				9	-0.001	0.02	0.39	4.8	
MPL001 02+25S	MP	EE	2022-05-16		0.05	0.04	60		0.016	0.08	12.7	13.3	0.67	427	0.35	0.01	0.82		18.6	0.129	4.2				7.8	0.001	0.02	0.46	4.1	
MPL001 02+50S	MP	EE	2022-05-16		-0.05	0.03	70		0.017	0.07	8.7	13.2	0.55	536	0.44	0.01	1.04		16.1	0.088	4.5				8.3	0.001	0.03	0.39	3.5	
MPL001 02+75S	MP	EE	2022-05-16		-0.05	0.03	140		0.021	0.08	8.4	15.7	0.5	963	0.42	0.01	1.1		17.3	0.254	5.1				8.7	0.002	0.03	0.38	3.7	
MPL001 03+00S	MP	EE	2022-05-16																											
MPL001 03+25S	MP	EE	2022-05-16																											
MPL001 03+50S	MP	EE	2022-05-16		0.07	0.09	110		0.023	0.23	13	16.2	1.26	911	0.43	0.02	1.08		28.7	0.149	5.3				14.5	-0.001	0.03	0.56	11.4	
MPL001 03+75S	MP	EE	2022-05-16		-0.05	0.08	100		0.022	0.1	5.5	11	0.59	329	0.57	0.01	1.16		18.2	0.156	5.4				7.5	0.001	0.05	0.43	6.4	
MPL001 04+00S	MP	EE	2022-05-16		-0.05	0.04	110		0.014	0.06	5	5.9	0.3	570	0.61	0.01	0.79		10.2	0.065	6.8				6.5	-0.001	0.03	0.47	3	
MPL001 04+25S	MP	EE	2022-05-16		-0.05	0.09	60		0.011	0.05	4	6.2	0.31	346	0.36	0.01	1.04		6.4	0.034	5.8				7.2	0.001	0.02	0.36	3.3	
MPL001 04+50S	MP	EE	2022-05-16		-0.05	0.08	90		0.016	0.1	4.4	12.6	0.67	502	0.55	0.01	1.06		15.3	0.105	6				10	0.001	0.03	0.46	4.4	
MPL001 04+75S	MP	EE	2022-05-16		0.05	0.05	110		0.03	0.11	6.7	21	1.12	705	0.52	0.01	0.91		25.3	0.352	5.2				11.4	0.001	0.03	0.51	5.8	
MPL001 05+00S	MP	EE	2022-05-16		0.06	0.12	200		0.038	0.18	15.1	17.9	1.21	1435	0.59	0.02	1.24		45.8	0.122	6				19.3	-0.001	0.1	0.59	15.6	
MPL001 05+25S	MP	EE	2022-05-16		-0.05	0.06	60		0.016	0.08	4.8	11.3	0.62	574	0.55	0.01	1		15.6	0.076	4.8				7.6	-0.001	0.01	0.51	3.5	
MPL001 05+50S	MP	EE	2022-05-16		0.05	0.05	70		0.02	0.07	5.9	16.2	0.52	356	0.57	0.01	0.91		21.3	0.145	5.1				8	-0.001	0.01	0.44	5.1	
MPL001 05+75S	MP	EE	2022-05-16		0.06	0.04	110		0.024	0.07	6.3	12.9	0.57	364	0.53	0.01	0.9		27.7	0.173	4.3				8	-0.001	0.01	0.46	4	
MPL001 06+00S	MP	EE	2022-05-16		-0.05	0.04	20		0.014	0.06	7.4	11	0.51	282	0.78	-0.01	0.81		14.8	0.069	5.6				5.9	-0.001	0.01	0.6	3.2	
MPL001 06+25S	MP	EE	2022-05-16		-0.05	0.05	50		0.019	0.11	9.2	16.6	0.73	543	0.63	-0.01	1.09		21	0.038	5.8				10.3	0.001	0.02	0.52	6	
MPL001 06+50S	MP	EE	2022-05-16		-0.05	0.03	70		0.02	0.09	10.6	11	0.67	541	0.48	-0.01	0.85		19.4	0.058	4.8				9.6	0.002	0.03	0.36	5	
MPL001 06+75S	MP	EE	2022-05-16		-0.05	0.05	100		0.02	0.07	9.3	15.2	0.48	226	0.48	-0.01	1.3		12.8	0.199	4.9				6.9	0.001	0.02	0.32	3.4	
MPL001 07+00S	MP	EE	2022-05-16		0.07	0.06	90		0.033	0.19	19.1	21.6	1.18	1330	0.75	0.01	1.26		44	0.071	6.4				21.3	0.003	0.03	0.34	11.6	
MPL001 07+25S	MP	EE	2022-05-16		-0.05	0.02	60		0.016	0.07	13.2	12.4	0.58	595	0.51	-0.01	0.87		15.6	0.079	4.1				9.7	0.001	0.01	0.27	3.5	
MPL001 07+50S	MP	EE	2022-05-16		-0.05	0.03	80		0.022	0.09	12.9	16.3	0.71	578	0.56	-0.01	1.04		15.4	0.073	4.3				14.4	0.002	0.01	0.26	4.5	
MPL001 07+75S	MP	EE	2022-05-16		-0.05	0.03	70		0.016	0.06	13	13.9	0.5	377	0.37	-0.01	0.94		13.2	0.084	4.2				8.5	-0.001	0.01	0.24	2.9	
MPL002 00+00	MP	EH	2022-07-20		-0.05	0.06	30		0.024	0.13	9.5	17.2	0.89	554	0.5	0.02	1.27		23.3	0.047	5.4				14.7	0.002	0.03	0.29	6.3	
MPL002 00+25S	MP	EH	2022-07-20		-0.05	0.04	20		0.02	0.05	6.4	16.3	1.08	353	0.4	-0.01	0.97		16.2	0.08	3.6				8.9	0.001	0.01	0.44	4.8	
MPL002 00+50S	MP	EH	2022-07-20		-0.05	0.08	30		0.017	0.06	11.1	11.1	0.61	401	0.41	0.01	0.99		19.2	0.047	3				9.5	0.001	0.01	0.48	6.6	
MPL002 00+75S	MP	EH	2022-07-20		-0.05	0.04	30		0.015	0.07	9	12.6	0.5	392	0.35	0.01	1.13		15.4	0.038	4.1				11.3	0.001	0.01	0.36	4	
MPL002 01+00S	MP	EH	2022-07-20		0.09	0.24	140		0.07	0.33	27.6	35.2	1.62	957	0.51	0.01	2.04		73.4	0.084	9.6				36.8	0.001	0.05	0.59	37	
MPL002 01+25S	MP	EH	2022-07-20		0.08	0.21	110		0.059	0.4	19.7	35	1.75	1355	0.48	0.03	1.71		69.5	0.083	10.1				32.1	0.001	0.03	0.53	20.9	
MPL002 01+50S	MP	EH	2022-07-20		0.06	0.05	80		0.022	0.11	16.2	18.2	0.89	546	0.52	0.01	1.16		24.4	0.045	4.9				11.5	-0.001	0.03	0.44	7.8	
MPL002 01+75S	MP	EH	2022-07-20		-0.05	0.04	40		0.014	0.08	10.2	12.3	0.63	307	0.42	0.01	0.87		14.8	0.071	4.1				10.3	0.001	0.01	0.44	3.6	
MPL002 02+00S	MP	EH	2022-07-20		-0.05	0.04	30		0.012	0.06	8.6	10.8	0.4	271	0.4	-0.01	0.89		10.4	0.052	3.8				6.9	0.001	0.01	0.41	2.9	
MPL002 02+25S	MP	EH	2022-07-20		-0.05	0.05	30		0.014	0.06	8.9	11.4	0.43	324	0.41	-0.01	0.98		12.6	0.092	4.4				9.8	-0.001	0.01	0.39	3.2	
MPL002 02+50S	MP	EH	2022-07-20		-0.05	0.04	30		0.019	0.09	8.8	10	0.5	532	0.5	-0.01	0.91		15.2	0.074	4.6				8.9	-0.001	0.02	0.71	4.3	
MPL002 02+75S	MP	EH	2022-07-20		-0.05	0.04	20		0.013	0.11	6.8	8.3	0.47	356	0.46	-0.01	1.12		12.8	0.071	4.3				7	-0.001	0.02	0.44	3.1	
MPL002 03+00S	MP	EH	2022-07-20		-0.05	0.03	20		0.027	0.09	8.1	17.3	0.62	575	0.52	-0.01	1		18.4	0.193	4.8				10.1	-0.001	0.02	0.45	4.4	
MPL002 03+25S	MP	EH	2022-07-20		-0.05	0.05	40		0.016	0.09	8.3	10.6	0.67	828	0.5	-0.01	0.97		17.1	0.11	4.6				10.1	-0.001	0.02	0.39	4.1	
MPL002 03+50S	MP	EH	2022-07-20		0.11	0.12	290		0.047	0.37	37.4	21.7	1.57	1495	0.77	0.01	1.38		58.5	0.126	8.6				30.8	0.001	0.08	0.8	21.1	
MPL002 03+75S	MP	EH	2022-07-20		0.05	0.09	70		0.019	0.11	7.7	13	0.87	476	0.44	-0.01	0.9		23.1	0.164	3.9				8.8	0.001	0.01	0.48	5.8	
MPL002 04+00S	MP	EH	2022-07-20		-0.05	0.07	40		0.028	0.09	6.1	19.4	0.55	388	0.51	-0.01	1.42		14.6	0.344	5.7				10.6	-0.001	0.01	0.34	5.3	
MPL002 04+25S	MP	EH	2022-07-20		-0.05	0.07	40		0.018	0.06	5.9	11.3	0.4	566	0.45	-0.01	1.2		10.8	0.										

APPENDIX 4: Soil

Sample	Project	Sampler	Sample Date	Se (ppm)	Sm (ppm)	Sn (ppm)	Sr (ppm)	Ta (ppm)	Tb (ppm)	Te (ppm)	Th (ppm)	Ti (pct)	Ti (ppm)	U (ppm)	V (ppm)	W (ppm)	Y (ppm)	Yb (ppm)	Zn (ppm)	Zr (ppm)
MPL001 00+00	MP	EE	2022-05-16	0.4	0.4	58.2	-0.01	0.01	2.1	0.099	0.07	0.92	95	0.32	12.4				76	2.4
MPL001 00+25S	MP	EE	2022-05-16	0.3	0.3	56.2	-0.01	0.02	1.7	0.114	0.05	1.1	94	0.25	9.47				51	2.3
MPL001 00+50S	MP	EE	2022-05-16	0.2	0.4	62.4	-0.01	0.01	0.9	0.101	0.05	0.79	100	0.22	8.33				68	1.2
MPL001 00+75S	MP	EE	2022-05-16	0.2	0.3	66	-0.01	0.01	1.2	0.099	0.04	0.43	75	0.15	4.81				45	1
MPL001 01+00S	MP	EE	2022-05-16	0.2	0.3	33.5	-0.01	0.01	1.1	0.098	0.03	0.4	92	0.22	2.61				58	1.3
MPL001 01+25S	MP	EE	2022-05-16	-0.2	0.3	36.3	-0.01	-0.01	0.8	0.114	0.04	0.43	103	0.18	3.52				56	1.4
MPL001 01+50S	MP	EE	2022-05-16	-0.2	0.3	36.4	-0.01	0.01	2	0.111	0.04	0.5	88	0.14	4.52				68	1.7
MPL001 01+75S	MP	EE	2022-05-16																	
MPL001 02+00S	MP	EE	2022-05-16	0.2	0.4	46.8	-0.01	0.01	1	0.116	0.03	0.5	115	0.15	5.33				67	2.1
MPL001 02+25S	MP	EE	2022-05-16	0.2	0.3	47.7	-0.01	-0.01	2	0.111	0.03	0.51	97	0.14	5.78				57	1.6
MPL001 02+50S	MP	EE	2022-05-16	0.2	0.4	36.9	-0.01	-0.01	1.2	0.103	0.03	0.43	91	0.13	3.26				60	1.4
MPL001 02+75S	MP	EE	2022-05-16	-0.2	0.4	56.2	-0.01	-0.01	1.3	0.099	0.04	0.43	89	0.15	3.01				93	1.5
MPL001 03+00S	MP	EE	2022-05-16																	
MPL001 03+25S	MP	EE	2022-05-16																	
MPL001 03+50S	MP	EE	2022-05-16	0.2	0.3	82.4	-0.01	0.02	2	0.129	0.07	0.64	126	0.21	10.9				72	4
MPL001 03+75S	MP	EE	2022-05-16	0.3	0.5	58.1	-0.01	0.01	0.6	0.129	0.02	0.38	124	0.19	4.55				58	2.9
MPL001 04+00S	MP	EE	2022-05-16	-0.2	0.5	42.2	-0.01	-0.01	0.4	0.114	0.03	0.31	120	0.14	2.06				54	1.6
MPL001 04+25S	MP	EE	2022-05-16	-0.2	0.5	47.1	-0.01	-0.01	0.6	0.16	0.02	0.32	110	0.11	2.08				43	3.6
MPL001 04+50S	MP	EE	2022-05-16	0.2	0.5	54.6	-0.01	0.01	0.5	0.155	0.03	0.36	144	0.16	2.55				110	2.9
MPL001 04+75S	MP	EE	2022-05-16	0.2	0.4	55.4	-0.01	0.01	0.6	0.139	0.04	0.65	166	0.22	4.68				148	2
MPL001 05+00S	MP	EE	2022-05-16	1.3	0.4	134.5	-0.01	0.03	1	0.073	0.07	2.01	113	0.14	18.5				68	3.5
MPL001 05+25S	MP	EE	2022-05-16	0.2	0.5	44.3	-0.01	-0.01	0.4	0.152	0.03	0.38	157	0.15	2.35				81	2.2
MPL001 05+50S	MP	EE	2022-05-16	-0.2	0.4	43	-0.01	0.01	1	0.125	0.04	0.35	139	0.21	3.33				88	2.1
MPL001 05+75S	MP	EE	2022-05-16	-0.2	0.3	36.4	-0.01	0.01	1.1	0.108	0.03	0.38	131	0.21	3.46				89	1.7
MPL001 06+00S	MP	EE	2022-05-16	0.2	0.3	38.8	-0.01	-0.01	1	0.101	0.03	0.35	90	0.2	3.78				45	1.9
MPL001 06+25S	MP	EE	2022-05-16	0.2	0.4	54.1	-0.01	0.01	0.9	0.116	0.04	0.52	128	0.21	6.75				52	2
MPL001 06+50S	MP	EE	2022-05-16	0.3	0.3	75.6	-0.01	0.01	0.6	0.076	0.04	0.64	79	0.18	8.73				44	1.2
MPL001 06+75S	MP	EE	2022-05-16	-0.2	0.4	36.9	-0.01	0.01	1.7	0.11	0.04	0.41	80	0.17	3.26				122	2.2
MPL001 07+00S	MP	EE	2022-05-16	0.5	0.4	73.9	-0.01	0.02	1.5	0.094	0.1	2.87	95	0.13	16.25				78	2.1
MPL001 07+25S	MP	EE	2022-05-16	0.2	0.3	40.2	-0.01	-0.01	0.8	0.095	0.04	0.51	67	0.14	5.59				55	1.1
MPL001 07+50S	MP	EE	2022-05-16	0.2	0.4	33.3	-0.01	-0.01	1	0.091	0.07	0.62	74	0.14	5.71				76	1
MPL001 07+75S	MP	EE	2022-05-16	-0.2	0.3	37.3	-0.01	-0.01	1.5	0.092	0.04	0.47	64	0.11	4.91				51	1.1
MPL001 08+00S	MP	EE	2022-05-16	0.5	0.4	102	-0.01	0.01	1.3	0.095	0.04	1.58	81	0.13	5.73				68	2.3
MPL002 00+00	MP	EH	2022-07-20	-0.2	0.5	33.3	-0.01	0.01	0.8	0.12	0.03	0.38	108	0.13	2.22				88	2.1
MPL002 00+25S	MP	EH	2022-07-20	-0.2	0.3	35.1	-0.01	-0.01	2	0.122	0.04	0.53	95	0.14	6.17				52	3.4
MPL002 00+50S	MP	EH	2022-07-20	0.2	0.4	34.8	-0.01	-0.01	1.2	0.113	0.04	0.37	89	0.13	3.93				94	1.7
MPL002 00+75S	MP	EH	2022-07-20	1	0.7	116	-0.01	0.03	3.5	0.109	0.17	1.27	140	0.18	29.4				112	8.3
MPL002 01+00S	MP	EH	2022-07-20	0.8	0.8	85.5	-0.01	0.03	2.8	0.11	0.13	0.8	133	0.18	22				139	6.5
MPL002 01+25S	MP	EH	2022-07-20	0.3	0.4	72.5	-0.01	0.01	0.9	0.106	0.05	1.42	104	0.19	11.5				51	2
MPL002 01+50S	MP	EH	2022-07-20	0.3	0.3	48.3	-0.01	0.01	0.7	0.117	0.04	0.49	104	0.17	4.91				46	1.5
MPL002 01+75S	MP	EH	2022-07-20	-0.2	0.3	37	-0.01	-0.01	0.7	0.103	0.03	0.36	92	0.17	2.83				47	1.3
MPL002 02+00S	MP	EH	2022-07-20	-0.2	0.3	33.1	-0.01	-0.01	1.2	0.108	0.03	0.38	90	0.16	3.16				45	1.6
MPL002 02+25S	MP	EH	2022-07-20	-0.2	0.4	46.8	-0.01	0.01	0.8	0.111	0.04	0.39	116	0.23	3.65				52	1.4
MPL002 02+50S	MP	EH	2022-07-20	-0.2	0.4	46.7	-0.01	-0.01	0.7	0.131	0.02	0.33	114	0.21	2.41				51	1.9
MPL002 02+75S	MP	EH	2022-07-20	0.2	0.4	49.9	-0.01	-0.01	0.8	0.111	0.04	0.43	107	0.23	3.14				96	1.5
MPL002 03+00S	MP	EH	2022-07-20	-0.2	0.4	51.2	-0.01	0.01	0.9	0.128	0.04	0.44	116	0.14	3.59				66	2
MPL002 03+25S	MP	EH	2022-07-20	0.7	0.5	126	-0.01	0.03	1.2	0.075	0.1	1.58	116	0.22	43				123	3.6
MPL002 03+50S	MP	EH	2022-07-20	-0.2	0.3	51.8	-0.01	0.02	1.7	0.126	0.04	0.47	134	0.21	4.35				58	3.5
MPL002 03+75S	MP	EH	2022-07-20	-0.2	0.5	49.3	-0.01	0.01	1.6	0.145	0.04	0.45	122	0.19	2.64				121	4.7
MPL002 04+00S	MP	EH	2022-07-20	-0.2	0.5	43.4	-0.01	0.01	1.2	0.137	0.03	0.32	111	0.13	2.25				73	2.9
MPL002 04+25S	MP	EH	2022-07-20	-0.2	0.4	49	-0.01	0.01	1.5	0.161	0.03	0.46	177	0.23	3.82				81	5
MPL002 04+50S	MP	EH	2022-07-20	-0.2	0.3	57	-0.01	0.01	2	0.121	0.05	0.5	106	0.15	6.19				49	2.7
MPL002 04+75S	MP	EH	2022-07-20	-0.2	0.4	52.3	-0.01	0.01	0.6	0.114	0.03	0.35	99	0.15	3.1				73	1.8
MPL002 05+00S	MP	EH	2022-07-20	0.7	0.5	92	-0.01	0.01	1.1	0.099	0.1	1.43	123	0.22	48.6				78	2
MPL002 05+25S	MP	EH	2022-07-20																	
MPL002 05+50S	MP	EH	2022-07-20	0.4	0.5	76.5	-0.01	0.01	2.2	0.147	0.08	0.6	144	0.17	10.1				104	5
MPL002 05+75S	MP	EH	2022-07-20	0.2	0.3	62.1	-0.01	0.01	1.7	0.119	0.04	0.57	113	0.13	6.38				55	2.8
MPL002 06+00S	MP	EH	2022-07-20	3	1.4	157.5	0.01	0.03	0.5	0.03	0.05	2.61	93	0.1	21.4				34	4.7
MPL003 00+00	MP	JZ	2022-07-20	0.2	0.3	43.9	-0.01	0.01	1.2	0.108	0.04	0.43	111	0.17	4.56				50	1.4
MPL003 00+25N	MP	JZ	2022-07-20	0.2	0.4	44	-0.01	-0.01	1.8	0.161	0.03	0.46	128	0.14	4.52				67	3.7
MPL003 00+25S	MP	JZ	2022-07-20																	
MPL003 00+50S	MP	JZ	2022-07-20	-0.2	0.3	49.6	-0.01	0.02	1.1	0.112	0.04	0.62	97	0.15	7.59				59	1.4
MPL003 00+75S	MP	JZ	2022-07-20	-0.2	0.3	51	-0.01	0.01	0.7	0.107	0.02	0.46	102	0.19	4.52				64	1.6
MPL003 01+00S	MP	JZ	2022-07-20	0.3	0.3	37.9	-0.01	0.02	1.8	0.093	0.04	0.49	103	0.17	4.69				66	2
MPL003 01+25S	MP	JZ	2022-07-20	-0.2	0.3	42.4	-0.01	0.01	1.6	0.104	0.03	0.41	102	0.22	3.6				56	1.8
MPL003 01+50S	MP	JZ	2022-07-20	-0.2	0.3	45.9	-0.01	0.02	1.2	0.109	0.04	0.41	107	0.16	3.91				76	1.7
MPL003 01+75S	MP	JZ	2022-07-20	-0.2	0.3	55.6	-0.01	0.02	1.5	0.13	0.02	0.44	125	0.2	3.95				66	3.7
MPL003 02+00S	MP	JZ	2022-07-20	-0.2	0.3	42.6	-0.01	0.02	1.5	0.104	0.03	0.4	107	0.16	3.88				63	2.2
MPL003 02+25S	MP	JZ	2022-07-20	-0.2	0.3	52.7	-0.01	0.01	2.4	0.13	0.05	0.48	119	0.13	5.41				51	5.5
MPL003 02+50S	MP	JZ	2022-07-20	-0.2	0.3	38.6	-0.01	0.01	1.5											

APPENDIX 4: Qaqc

Sample	Project	QAQC Class	Purpose	Ref Material	Parent Sample	Shipment	Bucket	Source	Previous Sample	Ref Table	Status	Notes	Type	Class	Ag (ppm)	Al (pct)	As (ppm)	Au (ppb)	B (ppm)	Ba (ppm)	Be (ppm)	Bi (ppm)	Br (ppm)
MPL001 01+00SD	MP	duplicate	assay	0	MPL001 01+00S	MP22-001	1		MPL001 01+00S	soil	complete		soil	duplicate	0.07	1.13	3.9	2.8	-10	70	0.28	0.07	

APPENDIX 4: Qaqc

Sample	Project	QAQC Class	Purpose	C (pct)	Ca (pct)	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)	Cu (ppm)	Dy (ppm)	Er (ppm)	Eu (ppm)	Fe (pct)	Ga (ppm)	Gd (ppm)	Ge (ppm)	Hf (ppm)	Hg (ppb)	Ho (ppm)	In (ppm)	K (pct)	La (ppm)
MPL001 01+00SD	MP	duplicate	assay		0.38	0.11	14.85	7.3	32	0.86	16.6				3.1	4.41		-0.05	0.03	50		0.013	0.06	7.5

APPENDIX 4: Qaqc

Sample	Project	QAQC Class	Purpose	Li (ppm)	Mg (pct)	Mn (ppm)	Mo (ppm)	Na (pct)	Nb (ppm)	Nd (ppm)	Ni (ppm)	P (pct)	Pb (ppm)	Pd (ppb)	Pr (ppm)	Pt (ppb)	Rb (ppm)	Re (ppm)	S (pct)	Sb (ppm)	Sc (ppm)	Se (ppm)	Sm (ppm)	Sn (ppm)
MPL001 01+00SD	MP	duplicate	assay	9.9	0.32	280	0.44	0.01	0.93		11.2	0.085	4.1				6.8	0.001	0.02	0.43	2.9	-0.2		0.3

APPENDIX 4: Qaqc

Sample	Project	QAQC Class	Purpose	Sr (ppm)	Ta (ppm)	Tb (ppm)	Te (ppm)	Th (ppm)	Ti (pct)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Y (ppm)	Yb (ppm)	Zn (ppm)	Zr (ppm)
MPL001 01+00SD	MP	duplicate	assay	30.9	-0.01		0.01	1.1	0.099	0.03	0.46	93	0.18	2.39		52	1.2

Appendix V: Analytical Certificates



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To: TERRALOGIC EXPLORATION SERVICES INC.
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 SUITE 200
 CRANBROOK BC V1C 2R7

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 Account: TELOEX

CERTIFICATE KL22202246

Project: Mt Polley W Project (MP22-001)
 P.O. No.: MP2022-1
 This report is for 107 samples of Drill Core submitted to our lab in Kamloops, BC, Canada on 22-JUL-2022.
 The following have access to data associated with this certificate:

VANESSA BEACH	JESSE CAMPBELL	ERIC MORLEY
---------------	----------------	-------------

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

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-ST43	Super Trace Au - 25g AR	ICP-MS
ME-MS41	Ultra Trace Aqua Regia ICP-MS	

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, Director, North Vancouver Operations



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 Finalized Date: 14-SEP-2022
 Account: TELOEX

Project: Mt Polley W Project (MP22-001)

CERTIFICATE OF ANALYSIS KL22202246

Sample Description	Method Analyte Units LOD	WEI-21	Au-ST43	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
		Recvd Wt. kg	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
		0.02	0.0001	0.01	0.01	0.1	0.02	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
MPL001 00+00		0.46	0.0032	0.12	2.12	6.0	<0.02	<10	130	0.73	0.09	0.70	0.19	26.7	14.6	58
MPL001 00+25S		0.49	0.0021	0.10	1.79	6.4	<0.02	<10	120	0.59	0.07	0.87	0.13	27.8	14.6	46
MPL001 00+50S		0.38	0.0013	0.14	2.12	6.0	<0.02	<10	130	0.72	0.09	0.62	0.19	28.2	17.0	45
MPL001 00+75S		0.58	0.0041	0.04	1.22	4.5	<0.02	<10	60	0.31	0.07	0.42	0.09	23.3	8.4	33
MPL001 01+00S		0.32	0.0015	0.08	1.21	4.7	<0.02	<10	70	0.34	0.07	0.42	0.12	15.15	7.9	33
MPL001 01+00SD		0.36	0.0028	0.07	1.13	3.9	<0.02	<10	70	0.28	0.07	0.38	0.11	14.85	7.3	32
MPL001 01+25S		0.43	0.0012	0.05	1.22	4.7	<0.02	<10	70	0.31	0.06	0.49	0.11	16.80	9.8	35
MPL001 01+50S		0.40	0.0015	0.09	1.60	5.8	<0.02	<10	100	0.39	0.07	0.51	0.15	23.3	10.4	43
MPL001 01+75S	Empty Bag															
MPL001 02+00S		0.46	0.0020	0.10	1.62	6.3	<0.02	<10	100	0.39	0.06	0.58	0.15	19.90	13.6	41
MPL001 02+25S		0.44	0.0032	0.05	1.27	5.6	<0.02	<10	80	0.35	0.06	0.58	0.13	25.7	10.8	39
MPL001 02+50S		0.41	0.0013	0.14	1.30	4.1	<0.02	<10	80	0.34	0.08	0.45	0.16	17.80	11.0	36
MPL001 02+75S		0.31	0.0040	0.26	1.60	4.5	<0.02	<10	200	0.46	0.10	0.69	0.24	16.35	10.8	41
MPL001 03+00S	Empty Bag															
MPL001 03+25S	Empty Bag															
MPL001 03+50S		0.34	0.0034	0.08	2.15	8.5	<0.02	10	150	0.69	0.07	0.96	0.15	25.2	20.6	50
MPL001 03+75S		0.28	0.0015	0.12	1.70	5.7	<0.02	10	100	0.44	0.11	0.72	0.28	9.90	13.3	45
MPL001 04+00S		0.30	0.0054	0.20	0.84	3.6	<0.02	<10	100	0.23	0.09	0.47	0.18	9.47	8.8	37
MPL001 04+25S		0.21	0.0203	0.08	0.67	1.9	<0.02	<10	80	0.22	0.09	0.49	0.11	8.04	6.5	29
MPL001 04+50S		0.27	0.0188	0.18	1.25	4.6	<0.02	10	90	0.31	0.08	0.79	0.32	8.65	12.8	43
MPL001 04+75S		0.39	0.0012	0.16	2.26	9.5	<0.02	<10	170	0.68	0.07	0.80	0.19	13.15	22.2	53
MPL001 05+00S		0.28	0.0035	0.91	3.74	9.3	<0.02	10	220	1.31	0.13	2.20	0.63	25.8	17.8	80
MPL001 05+25S		0.40	0.0005	0.17	1.16	4.4	<0.02	<10	70	0.28	0.09	0.57	0.13	9.18	13.6	45
MPL001 05+50S		0.34	0.0024	0.10	1.61	5.7	<0.02	<10	110	0.45	0.08	0.44	0.14	10.85	13.9	47
MPL001 05+75S		0.46	0.0053	0.19	1.81	6.7	<0.02	10	90	0.53	0.06	0.47	0.18	12.30	16.0	47
MPL001 06+00S		0.49	0.0071	0.15	1.09	3.9	<0.02	<10	60	0.25	0.05	0.44	0.11	15.40	9.7	31
MPL001 06+25S		0.52	0.0017	0.18	1.85	7.3	<0.02	<10	80	0.47	0.07	0.68	0.20	17.60	16.0	46
MPL001 06+50S		0.48	0.0026	0.23	1.65	5.3	<0.02	<10	90	0.44	0.09	1.00	0.55	18.30	11.8	37
MPL001 06+75S		0.46	0.0501	0.14	1.52	4.1	<0.02	<10	70	0.35	0.09	0.45	0.25	17.90	8.7	37
MPL001 07+00S		0.40	0.0018	0.39	3.31	8.6	<0.02	<10	190	0.96	0.14	1.04	0.31	52.2	21.2	66
MPL001 07+25S		0.56	0.0018	0.16	1.49	3.3	<0.02	<10	70	0.44	0.07	0.48	0.19	25.6	9.6	34
MPL001 07+50S		0.52	0.0083	0.20	1.98	4.0	<0.02	<10	90	0.63	0.10	0.35	0.18	25.3	11.9	44
MPL001 07+75S		0.57	0.0011	0.07	1.13	3.5	<0.02	<10	60	0.33	0.08	0.44	0.21	25.8	8.7	31
MPL001 08+00S		0.55	0.0015	0.19	1.99	4.0	<0.02	10	120	0.45	0.10	1.14	0.45	21.0	14.3	42
MPL002 00+00		0.39	0.0016	0.05	1.45	4.4	<0.02	<10	70	0.37	0.06	0.35	0.07	12.10	14.4	52
MPL002 00+25S		0.40	0.0021	0.07	1.22	5.2	<0.02	<10	70	0.39	0.05	0.46	0.08	21.6	11.4	53
MPL002 00+50S		0.33	0.0012	0.06	1.28	3.2	<0.02	<10	70	0.34	0.07	0.44	0.11	15.55	11.0	44
MPL002 00+75S		0.39		1.17	5.92	13.0	<0.02	10	550	2.26	0.22	1.75	1.04	48.2	24.9	115
MPL002 01+00S		0.38		0.42	5.04	14.4	<0.02	10	610	1.60	0.21	1.44	0.46	36.1	28.7	88
MPL002 01+25S		0.32	0.0018	0.22	2.17	6.8	<0.02	<10	160	0.73	0.08	0.88	0.29	40.0	16.0	42

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



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 Total # Pages: 4 (A - D)
 Plus Appendix Pages
 Finalized Date: 14-SEP-2022
 Account: TELOEX

Project: Mt Polley W Project (MP22-001)

CERTIFICATE OF ANALYSIS KL22202246

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	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	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
MPL001 00+00		1.68	60.4	3.58	5.71	0.05	0.06	0.07	0.026	0.12	15.3	18.1	0.82	460	0.40	0.01
MPL001 00+25S		1.38	47.0	3.24	5.15	0.05	0.06	0.10	0.021	0.11	14.3	16.4	0.86	444	0.51	0.01
MPL001 00+50S		2.03	67.6	3.48	6.18	<0.05	0.03	0.06	0.023	0.10	13.7	17.2	0.91	937	0.51	0.01
MPL001 00+75S		0.85	24.6	2.55	4.23	<0.05	0.02	0.04	0.013	0.07	11.8	13.2	0.56	311	0.38	0.01
MPL001 01+00S		1.00	19.2	3.10	4.68	<0.05	0.04	0.06	0.015	0.06	7.8	11.2	0.39	304	0.43	0.01
MPL001 01+00SD		0.86	16.6	3.10	4.41	<0.05	0.03	0.05	0.013	0.06	7.5	9.9	0.32	280	0.44	0.01
MPL001 01+25S		0.88	25.6	3.42	4.90	<0.05	0.04	0.08	0.015	0.08	8.2	11.6	0.52	358	0.38	0.01
MPL001 01+50S		0.91	26.1	3.30	5.42	<0.05	0.04	0.07	0.016	0.08	11.9	17.9	0.64	283	0.45	0.01
MPL001 01+75S																
MPL001 02+00S		1.02	38.7	3.95	5.48	<0.05	0.06	0.06	0.017	0.09	10.2	15.4	0.82	403	0.45	0.01
MPL001 02+25S		1.14	30.6	3.33	4.14	0.05	0.04	0.06	0.016	0.08	12.7	13.3	0.67	427	0.35	0.01
MPL001 02+50S		1.03	26.4	3.16	4.73	<0.05	0.03	0.07	0.017	0.07	8.7	13.2	0.55	536	0.44	0.01
MPL001 02+75S		1.28	25.6	3.52	5.42	<0.05	0.03	0.14	0.021	0.08	8.4	15.7	0.50	963	0.42	0.01
MPL001 03+00S																
MPL001 03+25S																
MPL001 03+50S		2.20	96.3	4.18	6.12	0.07	0.09	0.11	0.023	0.23	13.0	16.2	1.26	911	0.43	0.02
MPL001 03+75S		1.52	51.1	4.37	6.61	<0.05	0.08	0.10	0.022	0.10	5.5	11.0	0.59	329	0.57	0.01
MPL001 04+00S		1.16	19.4	3.75	4.78	<0.05	0.04	0.11	0.014	0.06	5.0	5.9	0.30	570	0.61	0.01
MPL001 04+25S		1.02	9.1	3.23	4.78	<0.05	0.09	0.06	0.011	0.05	4.0	6.2	0.31	346	0.36	0.01
MPL001 04+50S		1.44	27.6	4.57	6.68	<0.05	0.08	0.09	0.016	0.10	4.4	12.6	0.67	502	0.55	0.01
MPL001 04+75S		2.30	49.1	5.70	7.88	0.05	0.05	0.11	0.030	0.11	6.7	21.0	1.12	705	0.52	0.01
MPL001 05+00S		3.31	233	4.54	7.15	0.06	0.12	0.20	0.038	0.18	15.1	17.9	1.21	1435	0.59	0.02
MPL001 05+25S		1.13	26.2	4.78	6.36	<0.05	0.06	0.06	0.016	0.08	4.8	11.3	0.62	574	0.55	0.01
MPL001 05+50S		1.45	30.3	4.42	7.51	0.05	0.05	0.07	0.020	0.07	5.9	16.2	0.52	356	0.57	0.01
MPL001 05+75S		1.66	32.5	4.29	5.63	0.06	0.04	0.11	0.024	0.07	6.3	12.9	0.57	364	0.53	0.01
MPL001 06+00S		0.98	31.4	2.87	4.04	<0.05	0.04	0.02	0.014	0.06	7.4	11.0	0.51	282	0.78	<0.01
MPL001 06+25S		1.48	59.0	4.01	5.83	<0.05	0.05	0.05	0.019	0.11	9.2	16.6	0.73	543	0.63	<0.01
MPL001 06+50S		1.00	67.4	2.75	4.70	<0.05	0.03	0.07	0.020	0.09	10.6	11.0	0.67	541	0.48	<0.01
MPL001 06+75S		1.00	17.6	3.14	6.10	<0.05	0.05	0.10	0.020	0.07	9.3	15.2	0.48	226	0.48	<0.01
MPL001 07+00S		1.85	111.0	4.16	7.80	0.07	0.06	0.09	0.033	0.19	19.1	21.6	1.18	1330	0.75	0.01
MPL001 07+25S		1.04	36.9	2.32	4.51	<0.05	0.02	0.06	0.016	0.07	13.2	12.4	0.58	595	0.51	<0.01
MPL001 07+50S		1.67	51.0	2.86	6.17	<0.05	0.03	0.08	0.022	0.09	12.9	16.3	0.71	578	0.56	<0.01
MPL001 07+75S		0.89	20.6	2.27	4.14	<0.05	0.03	0.07	0.016	0.06	13.0	13.9	0.50	377	0.37	<0.01
MPL001 08+00S		1.09	56.0	3.17	5.61	<0.05	0.06	0.03	0.024	0.13	9.5	17.2	0.89	554	0.50	0.02
MPL002 00+00		10.20	27.6	3.66	6.71	<0.05	0.04	0.02	0.020	0.05	6.4	16.3	1.08	353	0.40	<0.01
MPL002 00+25S		2.14	34.4	2.99	3.92	<0.05	0.08	0.03	0.017	0.06	11.1	11.1	0.61	401	0.41	0.01
MPL002 00+50S		2.68	23.6	2.93	4.49	<0.05	0.04	0.03	0.015	0.07	9.0	12.6	0.50	392	0.35	0.01
MPL002 00+75S		5.44	292	6.39	13.00	0.09	0.24	0.14	0.070	0.33	27.6	35.2	1.62	957	0.51	0.01
MPL002 01+00S		3.78	193.0	5.96	11.40	0.08	0.21	0.11	0.059	0.40	19.7	35.0	1.75	1355	0.48	0.03
MPL002 01+25S		1.69	74.6	3.49	5.94	0.06	0.05	0.08	0.022	0.11	16.2	18.2	0.89	546	0.52	0.01

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



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Project: Mt Polley W Project (MP22-001)

CERTIFICATE OF ANALYSIS KL22202246

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	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MPL001 00+00		1.11	32.9	480	5.2	16.3	<0.001	0.02	0.46	12.6	0.4	0.4	58.2	<0.01	0.01	2.1
MPL001 00+25S		1.07	23.9	830	4.9	13.0	<0.001	0.03	0.39	7.1	0.3	0.3	56.2	<0.01	0.02	1.7
MPL001 00+50S		0.96	23.9	630	5.4	14.3	0.001	0.02	0.40	6.0	0.2	0.4	62.4	<0.01	0.01	0.9
MPL001 00+75S		0.86	16.0	700	3.6	8.3	<0.001	0.02	0.34	3.2	0.2	0.3	36.0	<0.01	0.01	1.2
MPL001 01+00S		0.92	13.0	960	4.1	8.3	<0.001	0.02	0.43	3.1	0.2	0.3	33.5	<0.01	0.01	1.1
MPL001 01+00SD		0.93	11.2	850	4.1	6.8	0.001	0.02	0.43	2.9	<0.2	0.3	30.9	<0.01	0.01	1.1
MPL001 01+25S		0.79	13.5	910	4.3	8.4	0.002	0.02	0.45	3.8	<0.2	0.3	36.3	<0.01	<0.01	0.8
MPL001 01+50S		1.12	21.2	1310	4.4	9.0	0.001	0.02	0.36	3.9	<0.2	0.3	36.4	<0.01	0.01	2.0
MPL001 01+75S																
MPL001 02+00S		0.93	21.5	1240	4.4	9.0	<0.001	0.02	0.39	4.8	0.2	0.4	46.8	<0.01	0.01	1.0
MPL001 02+25S		0.82	18.6	1290	4.2	7.8	0.001	0.02	0.46	4.1	0.2	0.3	47.7	<0.01	<0.01	2.0
MPL001 02+50S		1.04	16.1	880	4.5	8.3	0.001	0.03	0.39	3.5	0.2	0.4	36.9	<0.01	<0.01	1.2
MPL001 02+75S		1.10	17.3	2540	5.1	8.7	0.002	0.03	0.38	3.7	<0.2	0.4	56.2	<0.01	<0.01	1.3
MPL001 03+00S																
MPL001 03+25S																
MPL001 03+50S		1.08	28.7	1490	5.3	14.5	<0.001	0.03	0.56	11.4	0.2	0.3	82.4	<0.01	0.02	2.0
MPL001 03+75S		1.16	18.2	1560	5.4	7.5	0.001	0.05	0.43	6.4	0.3	0.5	58.1	<0.01	0.01	0.6
MPL001 04+00S		0.79	10.2	650	6.8	6.5	<0.001	0.03	0.47	3.0	<0.2	0.5	42.2	<0.01	0.01	0.4
MPL001 04+25S		1.04	6.4	340	5.8	7.2	0.001	0.02	0.36	3.3	<0.2	0.5	47.1	<0.01	<0.01	0.6
MPL001 04+50S		1.06	15.3	1050	6.0	10.0	0.001	0.03	0.46	4.4	0.2	0.5	54.6	<0.01	0.01	0.5
MPL001 04+75S		0.91	25.3	3520	5.2	11.4	0.001	0.03	0.51	5.8	0.2	0.4	55.4	<0.01	0.01	0.6
MPL001 05+00S		1.24	45.8	1220	6.0	19.3	<0.001	0.10	0.59	15.6	1.3	0.4	134.5	<0.01	0.03	1.0
MPL001 05+25S		1.00	15.6	760	4.8	7.6	<0.001	0.01	0.51	3.5	0.2	0.5	44.3	<0.01	<0.01	0.4
MPL001 05+50S		0.91	21.3	1450	5.1	8.0	<0.001	0.01	0.44	5.1	<0.2	0.4	43.0	<0.01	0.01	1.0
MPL001 05+75S		0.90	27.7	1730	4.3	8.0	<0.001	0.01	0.46	4.0	<0.2	0.3	36.4	<0.01	0.01	1.1
MPL001 06+00S		0.81	14.8	690	5.6	5.9	<0.001	0.01	0.60	3.2	0.2	0.3	38.8	<0.01	<0.01	1.0
MPL001 06+25S		1.09	21.0	380	5.8	10.3	0.001	0.02	0.52	6.0	0.2	0.4	54.1	<0.01	0.01	0.9
MPL001 06+50S		0.85	19.4	580	4.8	9.6	0.002	0.03	0.36	5.0	0.3	0.3	75.6	<0.01	0.01	0.6
MPL001 06+75S		1.30	12.8	1990	4.9	6.9	0.001	0.02	0.32	3.4	<0.2	0.4	36.9	<0.01	0.01	1.7
MPL001 07+00S		1.26	44.0	710	6.4	21.3	0.003	0.03	0.34	11.6	0.5	0.4	73.9	<0.01	0.02	1.5
MPL001 07+25S		0.87	15.6	790	4.1	9.7	0.001	0.01	0.27	3.5	0.2	0.3	40.2	<0.01	<0.01	0.8
MPL001 07+50S		1.04	19.4	730	4.3	14.4	0.002	0.01	0.26	4.5	0.2	0.4	33.3	<0.01	<0.01	1.0
MPL001 07+75S		0.94	13.2	840	4.2	8.5	<0.001	0.01	0.24	2.9	<0.2	0.3	37.3	<0.01	<0.01	1.5
MPL001 08+00S		1.27	23.3	470	5.4	14.7	0.002	0.03	0.29	6.3	0.5	0.4	102.0	<0.01	0.01	1.3
MPL002 00+00		0.97	16.2	800	3.6	8.9	0.001	0.01	0.44	4.8	<0.2	0.5	33.3	<0.01	0.01	0.8
MPL002 00+25S		0.99	19.2	470	3.0	9.5	0.001	0.01	0.48	6.6	<0.2	0.3	35.1	<0.01	<0.01	2.0
MPL002 00+50S		1.13	15.4	380	4.1	11.3	0.001	0.01	0.36	4.0	0.2	0.4	34.8	<0.01	<0.01	1.2
MPL002 00+75S		2.04	73.4	840	9.6	36.8	0.001	0.05	0.59	37.0	1.0	0.7	116.0	<0.01	0.03	3.5
MPL002 01+00S		1.71	69.5	830	10.1	32.1	0.001	0.03	0.53	20.9	0.8	0.8	85.5	<0.01	0.03	2.8
MPL002 01+25S		1.16	24.4	450	4.9	11.5	<0.001	0.03	0.44	7.8	0.3	0.4	72.5	<0.01	0.01	0.9

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 Finalized Date: 14-SEP-2022
 Account: TELOEX

Project: Mt Polley W Project (MP22-001)

CERTIFICATE OF ANALYSIS KL22202246

Sample Description	Method Analyte Units LOD	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
MPL001 00+00		0.099	0.07	0.92	95	0.32	12.40	76	2.4
MPL001 00+25S		0.114	0.05	1.10	94	0.25	9.47	51	2.3
MPL001 00+50S		0.101	0.05	0.79	100	0.22	8.33	68	1.2
MPL001 00+75S		0.099	0.04	0.43	75	0.15	4.81	45	1.0
MPL001 01+00S		0.098	0.03	0.40	92	0.22	2.61	58	1.3
MPL001 01+00SD		0.099	0.03	0.46	93	0.18	2.39	52	1.2
MPL001 01+25S		0.114	0.04	0.43	103	0.18	3.52	56	1.4
MPL001 01+50S		0.111	0.04	0.50	88	0.14	4.52	68	1.7
MPL001 01+75S									
MPL001 02+00S		0.116	0.03	0.50	115	0.15	5.33	67	2.1
MPL001 02+25S		0.111	0.03	0.51	97	0.14	5.78	57	1.6
MPL001 02+50S		0.103	0.03	0.43	91	0.13	3.26	60	1.4
MPL001 02+75S		0.099	0.04	0.43	89	0.15	3.01	93	1.5
MPL001 03+00S									
MPL001 03+25S									
MPL001 03+50S		0.129	0.07	0.64	126	0.21	10.90	72	4.0
MPL001 03+75S		0.129	0.02	0.38	124	0.19	4.55	58	2.9
MPL001 04+00S		0.114	0.03	0.31	120	0.14	2.06	54	1.6
MPL001 04+25S		0.160	0.02	0.32	110	0.11	2.08	43	3.6
MPL001 04+50S		0.155	0.03	0.36	144	0.16	2.55	110	2.9
MPL001 04+75S		0.139	0.04	0.65	166	0.22	4.68	148	2.0
MPL001 05+00S		0.073	0.07	2.01	113	0.14	18.50	68	3.5
MPL001 05+25S		0.152	0.03	0.38	157	0.15	2.35	81	2.2
MPL001 05+50S		0.125	0.04	0.35	139	0.21	3.33	88	2.1
MPL001 05+75S		0.108	0.03	0.38	131	0.21	3.46	89	1.7
MPL001 06+00S		0.101	0.03	0.35	90	0.20	3.78	45	1.9
MPL001 06+25S		0.116	0.04	0.52	128	0.21	6.75	52	2.0
MPL001 06+50S		0.076	0.04	0.64	79	0.18	8.73	44	1.2
MPL001 06+75S		0.110	0.04	0.41	80	0.17	3.26	122	2.2
MPL001 07+00S		0.094	0.10	2.87	95	0.13	16.25	78	2.1
MPL001 07+25S		0.095	0.04	0.51	67	0.14	5.59	55	1.1
MPL001 07+50S		0.091	0.07	0.62	74	0.14	5.71	76	1.0
MPL001 07+75S		0.092	0.04	0.47	64	0.11	4.91	51	1.1
MPL001 08+00S		0.095	0.04	1.58	81	0.13	5.73	68	2.3
MPL002 00+00		0.120	0.03	0.38	108	0.13	2.22	88	2.1
MPL002 00+25S		0.122	0.04	0.53	95	0.14	6.17	52	3.4
MPL002 00+50S		0.113	0.04	0.37	89	0.13	3.93	94	1.7
MPL002 00+75S		0.109	0.17	1.27	140	0.18	29.4	112	8.3
MPL002 01+00S		0.110	0.13	0.80	133	0.18	22.0	139	6.5
MPL002 01+25S		0.106	0.05	1.42	104	0.19	11.50	51	2.0



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 Account: TELOEX

Project: Mt Polley W Project (MP22-001)

CERTIFICATE OF ANALYSIS KL2202246

Sample Description	Method	WEI-21	Au-ST43	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
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
Units		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
LOD		0.02	0.0001	0.01	0.01	0.1	0.02	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
MPL002 01+50S		0.42	0.0016	0.12	1.33	6.0	<0.02	<10	70	0.30	0.07	0.54	0.12	20.4	9.8	37
MPL002 01+75S		0.33	0.0020	0.06	1.01	4.1	<0.02	<10	70	0.25	0.06	0.41	0.11	16.40	7.5	29
MPL002 02+00S		0.37	0.0011	0.11	1.19	4.6	<0.02	<10	60	0.32	0.07	0.41	0.10	17.90	8.9	34
MPL002 02+25S		0.35	0.0022	0.09	1.18	7.2	<0.02	<10	80	0.40	0.07	0.51	0.10	17.80	12.6	40
MPL002 02+50S		0.25	0.0008	0.10	0.94	5.0	<0.02	<10	70	0.23	0.07	0.56	0.13	12.95	10.0	45
MPL002 02+75S		0.29	0.0031	0.21	1.58	6.5	<0.02	<10	120	0.46	0.07	0.56	0.16	15.85	13.6	47
MPL002 03+00S		0.37	0.0008	0.12	1.34	6.1	<0.02	<10	130	0.33	0.06	0.64	0.14	16.25	12.0	40
MPL002 03+25S		0.27		1.61	5.07	13.4	<0.02	10	340	1.94	0.16	1.38	1.03	43.5	24.8	79
MPL002 03+50S		0.41	0.0018	0.07	1.91	8.2	<0.02	<10	100	0.57	0.05	0.61	0.10	15.65	18.2	40
MPL002 03+75S		0.31	0.0011	0.16	1.97	5.6	<0.02	<10	120	0.53	0.11	0.59	0.17	12.35	14.3	44
MPL002 04+00S		0.31	0.0009	0.12	1.11	3.9	<0.02	<10	100	0.26	0.09	0.50	0.16	11.90	9.8	35
MPL002 04+25S		0.49	0.0014	0.06	2.43	8.1	<0.02	10	120	0.65	0.06	0.59	0.11	12.05	22.5	56
MPL002 04+50S		0.36	0.0019	0.04	1.65	6.2	<0.02	<10	90	0.51	0.06	0.63	0.10	23.8	15.4	41
MPL002 04+75S		0.32	0.0009	0.24	1.45	4.1	<0.02	10	90	0.36	0.07	0.62	0.19	13.85	12.4	36
MPL002 05+00S		0.27		0.40	3.84	8.8	<0.02	10	160	1.43	0.11	1.10	0.26	46.4	22.0	73
MPL002 05+25S	Empty Bag															
MPL002 05+50S	0.40	0.0013	0.25	3.03	7.1	<0.02	10	170	0.89	0.10	0.93	0.39	37.1	22.7	57	
MPL002 05+75S	0.41	0.0016	0.05	1.89	6.8	<0.02	<10	90	0.53	0.06	0.87	0.12	26.9	16.9	44	
MPL002 06+00S	0.29		0.57	1.79	7.2	<0.02	10	160	0.94	0.07	3.19	0.56	26.7	6.7	34	
MPL003 00+00	0.38	0.0016	0.06	1.29	6.8	<0.02	<10	100	0.39	0.06	0.58	0.08	19.25	11.7	44	
MPL003 00+25N	0.48	0.0018	0.08	1.56	6.7	<0.02	<10	100	0.31	0.06	0.63	0.10	19.80	14.4	51	
MPL003 00+25S	Empty Bag															
MPL003 00+50S	0.52	0.0017	0.09	1.58	6.7	<0.02	<10	90	0.52	0.07	0.57	0.15	27.5	11.8	38	
MPL003 00+75S	0.46	0.0012	0.22	1.34	6.4	<0.02	<10	100	0.46	0.07	0.53	0.21	17.30	12.0	34	
MPL003 01+00S	<0.02	0.0016	0.15	1.67	7.1	<0.02	<10	100	0.59	0.07	0.48	0.15	18.35	12.8	42	
MPL003 01+25S	0.41	0.0083	0.03	1.43	5.0	<0.02	<10	70	0.45	0.06	0.49	0.12	15.65	11.7	31	
MPL003 01+50S	0.47	0.0037	0.08	1.43	5.5	<0.02	<10	100	0.50	0.07	0.60	0.16	17.20	13.7	39	
MPL003 01+75S	0.48	0.0087	0.05	1.58	6.4	<0.02	<10	100	0.48	0.06	0.66	0.16	13.40	15.4	39	
MPL003 02+00S	0.42	0.0010	0.09	1.47	5.6	0.04	<10	100	0.46	0.05	0.58	0.15	14.80	13.2	37	
MPL003 02+25S	0.50	0.0058	0.03	1.78	7.4	<0.02	<10	100	0.67	0.05	0.61	0.08	24.1	18.2	45	
MPL003 02+50S	0.46	0.0021	0.09	1.51	6.1	<0.02	<10	80	0.60	0.05	0.44	0.16	18.40	14.0	40	
MPL003 02+75S	0.49	0.0015	0.05	1.80	7.2	<0.02	<10	80	0.63	0.08	0.49	0.09	14.95	17.2	43	
MPL003 03+00S	0.48	0.0010	0.11	1.55	4.8	<0.02	<10	130	0.47	0.06	0.46	0.11	8.60	14.9	47	
MPL003 03+25S	0.46	0.0028	0.06	1.47	5.1	<0.02	<10	100	0.43	0.06	0.52	0.08	11.70	13.8	43	
MPL003 03+50S	0.50	0.0018	0.09	2.01	4.7	<0.02	<10	100	0.63	0.07	0.57	0.11	16.10	15.9	40	
MPL003 03+75S	0.49	0.0013	0.12	2.02	5.7	<0.02	<10	90	0.58	0.07	0.53	0.14	14.20	16.1	46	
MPL003 04+00S	0.42	0.0020	0.06	1.84	8.4	<0.02	<10	80	0.49	0.07	0.40	0.07	24.1	13.4	47	
MPL003 04+25S	0.52	0.0014	0.13	1.83	6.0	<0.02	<10	110	0.52	0.07	0.51	0.12	13.20	14.8	42	
MPL003 04+50S	0.45	0.0006	0.18	1.39	4.3	<0.02	<10	90	0.36	0.09	0.37	0.12	10.40	10.9	39	
MPL004 00+00	0.42	0.0017	0.08	1.72	4.2	<0.02	<10	90	0.62	0.06	0.65	0.11	31.7	15.5	38	

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Project: Mt Polley W Project (MP22-001)

CERTIFICATE OF ANALYSIS KL22202246

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	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	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
MPL002 01+50S		1.31	33.5	3.21	5.11	<0.05	0.04	0.04	0.014	0.08	10.2	12.3	0.63	307	0.42	0.01
MPL002 01+75S		0.83	19.0	2.83	4.67	<0.05	0.04	0.03	0.012	0.06	8.6	10.8	0.40	271	0.40	<0.01
MPL002 02+00S		1.05	23.5	2.92	4.89	<0.05	0.05	0.03	0.014	0.06	8.9	11.4	0.43	324	0.41	<0.01
MPL002 02+25S		1.01	36.3	3.60	4.95	<0.05	0.04	0.03	0.019	0.09	8.8	10.0	0.50	532	0.50	<0.01
MPL002 02+50S		0.56	20.2	3.52	5.17	<0.05	0.04	0.02	0.013	0.11	6.8	8.3	0.47	356	0.46	<0.01
MPL002 02+75S		1.27	30.7	3.97	6.26	<0.05	0.03	0.02	0.027	0.09	8.1	17.3	0.62	575	0.52	<0.01
MPL002 03+00S		0.93	30.5	3.78	5.34	<0.05	0.05	0.04	0.016	0.09	8.3	10.6	0.67	828	0.50	<0.01
MPL002 03+25S		3.86	343	4.96	10.90	0.11	0.12	0.29	0.047	0.37	37.4	21.7	1.57	1495	0.77	0.01
MPL002 03+50S		2.25	63.5	4.38	5.42	0.05	0.09	0.07	0.019	0.11	7.7	13.0	0.87	476	0.44	<0.01
MPL002 03+75S		2.63	29.1	4.44	7.77	<0.05	0.10	0.04	0.028	0.09	6.1	19.4	0.55	388	0.51	<0.01
MPL002 04+00S		1.44	18.9	3.65	6.13	<0.05	0.07	0.04	0.018	0.06	5.9	11.3	0.40	566	0.45	<0.01
MPL002 04+25S		3.38	64.4	5.87	7.80	0.06	0.11	0.02	0.029	0.10	6.4	18.6	0.97	590	0.57	<0.01
MPL002 04+50S		1.79	61.9	3.49	5.06	0.06	0.06	0.03	0.018	0.12	10.8	12.8	0.88	571	0.41	0.01
MPL002 04+75S		1.62	37.0	3.31	5.20	<0.05	0.04	0.03	0.015	0.08	7.5	13.0	0.64	590	0.50	0.01
MPL002 05+00S		3.97	211	4.37	9.65	0.11	0.06	0.14	0.038	0.17	37.8	25.4	1.54	1165	0.56	0.01
MPL002 05+25S		2.24	94.5	4.65	7.91	0.05	0.12	0.02	0.032	0.11	12.1	24.9	1.18	1445	0.42	0.01
MPL002 05+50S		1.31	53.2	3.88	5.50	0.05	0.06	0.01	0.022	0.10	10.8	15.0	0.94	493	0.43	0.01
MPL002 06+00S		1.04	214	1.60	3.33	0.06	0.14	0.32	0.020	0.07	16.7	6.1	0.55	299	0.39	0.01
MPL003 00+00S		1.44	35.1	3.58	4.85	<0.05	0.03	0.07	0.017	0.08	9.9	11.4	0.56	353	0.43	0.01
MPL003 00+25N		1.31	58.7	3.97	5.98	<0.05	0.09	0.02	0.016	0.10	9.9	11.8	0.75	392	0.40	0.01
MPL003 00+25S																
MPL003 00+50S		1.71	48.3	3.08	5.06	<0.05	0.04	0.04	0.018	0.09	14.0	15.0	0.65	465	0.43	0.01
MPL003 00+75S		1.21	44.3	3.28	5.42	0.05	0.04	0.03	0.015	0.09	8.7	12.7	0.52	578	1.26	0.01
MPL003 01+00S		1.26	31.8	3.70	4.98	<0.05	0.05	0.05	0.020	0.09	8.8	18.0	0.60	412	0.56	0.01
MPL003 01+25S		1.31	32.4	3.39	4.70	0.05	0.04	0.01	0.012	0.09	8.0	13.6	0.58	392	0.41	0.02
MPL003 01+50S		1.10	34.5	3.66	5.02	0.05	0.04	0.04	0.017	0.09	7.9	14.4	0.65	739	0.45	0.01
MPL003 01+75S		1.27	42.4	4.20	5.83	0.05	0.07	0.01	0.019	0.10	6.8	14.6	0.77	457	0.37	0.02
MPL003 02+00S		1.29	37.1	3.65	4.51	0.05	0.05	0.01	0.015	0.10	7.1	12.2	0.67	417	0.38	0.01
MPL003 02+25S		1.59	62.3	3.99	5.30	0.08	0.13	<0.01	0.017	0.15	10.0	15.6	1.00	536	0.39	0.02
MPL003 02+50S		1.40	45.3	3.70	4.82	0.05	0.05	0.01	0.015	0.08	8.1	12.8	0.65	411	0.41	0.01
MPL003 02+75S		2.27	53.2	4.14	5.08	0.06	0.14	<0.01	0.019	0.10	7.2	13.8	0.85	429	0.42	0.02
MPL003 03+00S		1.92	32.9	4.43	6.12	<0.05	0.15	0.02	0.020	0.07	4.6	15.4	0.63	536	0.48	0.01
MPL003 03+25S		2.21	48.0	3.88	5.53	0.05	0.09	0.01	0.016	0.07	6.2	15.0	0.75	428	0.40	0.02
MPL003 03+50S		2.63	63.0	4.14	6.78	0.05	0.11	0.02	0.022	0.10	7.7	19.8	0.99	451	0.46	0.02
MPL003 03+75S		2.66	63.2	4.31	6.77	0.05	0.07	0.02	0.025	0.09	7.2	18.8	0.92	497	0.55	0.02
MPL003 04+00S		1.67	58.4	3.30	4.83	0.06	0.07	0.02	0.019	0.07	11.0	16.9	0.76	312	0.50	0.01
MPL003 04+25S		1.78	51.4	3.95	5.78	<0.05	0.08	0.04	0.020	0.08	5.6	14.0	0.75	633	0.53	0.01
MPL003 04+50S		1.83	26.3	3.94	6.77	<0.05	0.07	0.02	0.018	0.06	5.2	15.9	0.50	430	0.55	0.02
MPL004 00+00		1.55	51.9	3.02	5.30	0.06	0.04	0.04	0.017	0.09	13.6	15.6	0.83	849	0.31	0.02



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 Account: TELOEX

Project: Mt Polley W Project (MP22-001)

CERTIFICATE OF ANALYSIS KL22202246

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	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MPL002 01+50S		0.87	14.8	710	4.1	10.3	0.001	0.01	0.44	3.6	0.3	0.3	48.3	<0.01	0.01	0.7
MPL002 01+75S		0.89	10.4	520	3.8	6.9	0.001	0.01	0.41	2.9	<0.2	0.3	37.0	<0.01	<0.01	0.7
MPL002 02+00S		0.98	12.6	920	4.4	9.8	<0.001	0.01	0.39	3.2	<0.2	0.3	33.1	<0.01	<0.01	1.2
MPL002 02+25S		0.91	15.2	740	4.6	8.9	<0.001	0.02	0.71	4.3	<0.2	0.4	46.8	<0.01	0.01	0.8
MPL002 02+50S		1.12	12.8	710	4.3	7.0	<0.001	0.02	0.44	3.1	<0.2	0.4	46.7	<0.01	<0.01	0.7
MPL002 02+75S		1.00	18.4	1930	4.8	10.1	<0.001	0.02	0.45	4.4	0.2	0.4	49.9	<0.01	<0.01	0.8
MPL002 03+00S		0.97	17.1	1100	4.6	10.1	<0.001	0.02	0.39	4.1	<0.2	0.4	51.2	<0.01	0.01	0.9
MPL002 03+25S		1.38	58.5	1260	8.6	30.8	0.001	0.08	0.80	21.1	0.7	0.5	126.0	<0.01	0.03	1.2
MPL002 03+50S		0.90	23.1	1640	3.9	8.8	0.001	0.01	0.48	5.8	<0.2	0.3	51.8	<0.01	0.02	1.7
MPL002 03+75S		1.42	14.6	3440	5.7	10.6	<0.001	0.01	0.34	5.3	<0.2	0.5	49.3	<0.01	0.01	1.6
MPL002 04+00S		1.20	10.8	1150	5.5	7.3	<0.001	0.01	0.36	3.6	<0.2	0.5	43.4	<0.01	0.01	1.2
MPL002 04+25S		1.12	30.5	2290	4.8	11.0	<0.001	0.01	0.47	7.5	<0.2	0.4	49.0	<0.01	0.01	1.5
MPL002 04+50S		0.92	21.4	1100	4.3	9.8	<0.001	0.01	0.39	6.0	<0.2	0.3	57.0	<0.01	0.01	2.0
MPL002 04+75S		1.02	15.5	1050	4.5	9.1	<0.001	0.03	0.33	3.7	<0.2	0.4	52.3	<0.01	0.01	0.6
MPL002 05+00S		1.22	38.5	770	6.4	19.0	<0.001	0.04	0.48	22.6	0.7	0.5	92.0	<0.01	0.01	1.1
MPL002 05+25S																
MPL002 05+50S		1.36	32.8	600	6.2	14.5	<0.001	0.02	0.39	11.7	0.4	0.5	76.5	<0.01	0.01	2.2
MPL002 05+75S		1.14	23.2	1140	4.4	10.1	<0.001	0.02	0.36	6.2	0.2	0.3	62.1	<0.01	0.01	1.7
MPL002 06+00S		0.70	20.7	1070	3.7	4.9	0.011	0.23	0.67	7.7	3.0	1.4	157.5	0.01	0.03	0.5
MPL003 00+00		0.95	15.7	1130	4.2	9.6	0.001	0.02	0.59	4.0	0.2	0.3	43.9	<0.01	0.01	1.2
MPL003 00+25N		1.17	17.0	1270	5.0	9.3	<0.001	0.01	0.43	4.7	0.2	0.4	44.0	<0.01	<0.01	1.8
MPL003 00+25S																
MPL003 00+50S		0.95	15.9	780	4.4	10.6	0.001	0.01	0.42	5.0	<0.2	0.3	49.6	<0.01	0.02	1.1
MPL003 00+75S		0.86	21.2	770	10.3	10.2	<0.001	0.02	0.86	3.5	<0.2	0.3	51.0	<0.01	0.01	0.7
MPL003 01+00S		0.90	23.8	1740	5.1	7.8	<0.001	0.02	0.49	4.3	0.3	0.3	37.9	<0.01	0.02	1.8
MPL003 01+25S		0.79	15.8	1340	4.8	9.3	<0.001	0.01	0.51	3.6	<0.2	0.3	42.4	<0.01	0.01	1.6
MPL003 01+50S		0.73	21.1	1340	4.9	8.1	<0.001	0.01	0.41	4.7	<0.2	0.3	45.9	<0.01	0.02	1.2
MPL003 01+75S		0.88	17.9	2080	5.0	8.9	<0.001	0.01	0.44	5.6	<0.2	0.3	55.6	<0.01	0.02	1.5
MPL003 02+00S		0.75	20.9	1630	4.4	8.8	<0.001	0.01	0.40	4.5	<0.2	0.3	42.6	<0.01	0.02	1.5
MPL003 02+25S		0.65	29.2	1250	4.8	12.4	<0.001	0.01	0.37	6.7	<0.2	0.3	52.7	<0.01	0.01	2.4
MPL003 02+50S		0.71	22.0	1300	4.2	8.4	<0.001	0.01	0.37	5.5	<0.2	0.3	38.6	<0.01	0.01	1.5
MPL003 02+75S		0.57	28.2	1320	4.1	8.5	<0.001	0.01	0.44	6.6	<0.2	0.3	42.1	<0.01	0.02	2.0
MPL003 03+00S		0.77	21.7	1230	4.7	9.0	<0.001	0.01	0.33	4.7	<0.2	0.4	39.5	<0.01	0.01	1.1
MPL003 03+25S		0.75	20.2	1010	4.3	7.7	<0.001	0.01	0.38	5.2	<0.2	0.4	45.4	<0.01	0.01	1.2
MPL003 03+50S		0.94	24.1	1780	4.3	10.6	<0.001	0.01	0.32	6.3	<0.2	0.4	49.0	<0.01	0.01	1.7
MPL003 03+75S		1.00	24.8	1640	4.5	8.9	<0.001	0.01	0.33	5.9	<0.2	0.4	45.2	<0.01	0.02	1.5
MPL003 04+00S		0.91	26.0	1610	4.8	7.7	<0.001	0.01	0.27	4.6	<0.2	0.3	32.3	<0.01	0.02	2.9
MPL003 04+25S		0.90	24.8	1370	5.3	8.8	<0.001	0.01	0.31	4.5	0.2	0.4	44.7	<0.01	0.02	1.3
MPL003 04+50S		0.97	13.6	1620	5.7	8.1	<0.001	0.01	0.30	4.0	<0.2	0.5	40.5	<0.01	0.02	1.2
MPL004 00+00		0.89	20.6	760	5.2	11.2	<0.001	0.02	0.32	6.1	0.2	0.3	50.1	<0.01	0.01	1.6

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 Account: TELOEX

Project: Mt Polley W Project (MP22-001)

CERTIFICATE OF ANALYSIS KL22202246

Sample Description	Method Analyte Units LOD	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
MPL002 01+50S		0.117	0.04	0.49	104	0.17	4.91	46	1.5
MPL002 01+75S		0.103	0.03	0.36	92	0.17	2.83	47	1.3
MPL002 02+00S		0.108	0.03	0.38	90	0.16	3.16	45	1.6
MPL002 02+25S		0.111	0.04	0.39	116	0.23	3.65	52	1.4
MPL002 02+50S		0.131	0.02	0.33	114	0.21	2.41	51	1.9
MPL002 02+75S		0.111	0.04	0.43	107	0.23	3.14	96	1.5
MPL002 03+00S		0.128	0.04	0.44	116	0.14	3.59	66	2.0
MPL002 03+25S		0.075	0.10	1.58	116	0.22	43.0	123	3.6
MPL002 03+50S		0.126	0.04	0.47	134	0.21	4.35	58	3.5
MPL002 03+75S		0.145	0.04	0.45	122	0.19	2.64	121	4.7
MPL002 04+00S		0.137	0.03	0.32	111	0.13	2.25	73	2.9
MPL002 04+25S		0.161	0.03	0.46	177	0.23	3.82	81	5.0
MPL002 04+50S		0.121	0.05	0.50	106	0.15	6.19	49	2.7
MPL002 04+75S		0.114	0.03	0.35	99	0.15	3.10	73	1.8
MPL002 05+00S		0.099	0.10	1.43	123	0.22	48.6	78	2.0
MPL002 05+25S									
MPL002 05+50S		0.147	0.08	0.60	144	0.17	10.10	104	5.0
MPL002 05+75S		0.119	0.04	0.57	113	0.13	6.38	55	2.8
MPL002 06+00S		0.030	0.05	2.61	93	0.10	21.4	34	4.7
MPL003 00+00		0.108	0.04	0.43	111	0.17	4.56	50	1.4
MPL003 00+25N		0.161	0.03	0.46	128	0.14	4.52	67	3.7
MPL003 00+25S									
MPL003 00+50S		0.112	0.04	0.62	97	0.15	7.59	59	1.4
MPL003 00+75S		0.107	0.02	0.46	102	0.19	4.52	64	1.6
MPL003 01+00S		0.093	0.04	0.49	103	0.17	4.69	66	2.0
MPL003 01+25S		0.104	0.03	0.41	102	0.22	3.60	56	1.8
MPL003 01+50S		0.109	0.04	0.41	107	0.16	3.91	76	1.7
MPL003 01+75S		0.130	0.02	0.44	125	0.20	3.95	66	3.7
MPL003 02+00S		0.104	0.03	0.40	107	0.16	3.88	63	2.2
MPL003 02+25S		0.130	0.05	0.48	119	0.13	5.41	51	5.5
MPL003 02+50S		0.102	0.03	0.44	111	0.16	4.07	63	2.2
MPL003 02+75S		0.111	0.04	0.44	122	0.17	4.24	52	7.1
MPL003 03+00S		0.122	0.03	0.33	135	0.14	2.44	82	6.3
MPL003 03+25S		0.119	0.02	0.40	119	0.16	3.53	61	3.5
MPL003 03+50S		0.140	0.03	0.49	123	0.17	4.42	77	4.9
MPL003 03+75S		0.136	0.04	0.43	128	0.17	4.02	76	3.4
MPL003 04+00S		0.099	0.04	0.47	90	0.13	4.60	52	3.3
MPL003 04+25S		0.115	0.04	0.39	118	0.21	3.60	65	3.5
MPL003 04+50S		0.128	0.03	0.36	120	0.14	2.39	65	3.3
MPL004 00+00		0.108	0.06	0.61	101	0.13	7.69	49	1.9

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Project: Mt Polley W Project (MP22-001)

CERTIFICATE OF ANALYSIS KL22202246

Sample Description	Method Analyte Units LOD	WEI-21	Au-ST43	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Recvd Wt. kg	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
		0.02	0.0001	0.01	0.01	0.1	0.02	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
MPL004 00+25S		0.49	0.0023	0.06	1.45	3.1	<0.02	<10	50	0.36	0.07	0.44	0.06	15.80	11.9	34
MPL004 00+50S		0.47	0.0012	0.04	2.02	4.6	<0.02	<10	80	0.56	0.06	0.43	0.06	17.35	14.7	43
MPL004 00+75S		0.45	0.0012	0.04	1.61	3.1	<0.02	<10	80	0.44	0.07	0.49	0.07	12.90	11.1	33
MPL004 01+00S		0.50	0.0010	0.07	1.89	3.6	<0.02	<10	60	0.55	0.08	0.31	0.08	14.65	10.9	34
MPL004 01+25S		Empty Bag														
MPL004 01+50S		Empty Bag														
MPL004 01+75S		Empty Bag														
MPL004 02+00S		Empty Bag														
MPL004 02+25S		0.40	0.0010	0.04	1.34	3.0	<0.02	<10	80	0.27	0.07	0.50	0.11	14.45	8.9	33
MPL004 02+50S		Empty Bag														
MPL004 02+75S		0.43	0.0030	0.08	1.85	7.5	<0.02	<10	140	0.62	0.06	0.80	0.13	27.4	20.8	44
MPL004 03+00S		0.43	0.0298	0.21	2.06	8.6	<0.02	10	100	0.67	0.06	0.58	0.17	16.20	15.7	42
MPL004 03+25S		Empty Bag														
MPL004 03+50S		0.56	0.0031	0.06	1.74	6.7	<0.02	<10	70	0.50	0.05	0.62	0.14	19.10	15.0	37
MPL004 03+75S		0.34	0.0013	0.17	0.92	7.4	<0.02	10	210	0.41	0.07	0.76	0.22	9.50	14.1	31
MPL004 04+00S		0.55	0.0031	0.13	2.89	7.1	<0.02	<10	210	0.71	0.08	1.06	0.16	26.2	18.2	52
MPL004 04+25S		0.52	0.0007	0.07	1.47	9.0	<0.02	<10	110	0.61	0.06	0.48	0.07	13.75	19.0	44
MPL004 04+50S		0.45	0.0116	0.06	1.90	4.3	<0.02	<10	130	0.54	0.08	0.42	0.12	16.10	11.4	36
MPL004 04+75S		0.46	0.0014	0.07	1.90	5.0	<0.02	<10	140	0.50	0.08	0.68	0.12	21.5	12.6	41
MPL004 05+00S		0.43	0.0016	0.09	1.92	4.3	<0.02	<10	110	0.40	0.09	0.38	0.09	17.90	11.1	41
MPL004 05+25S		0.47	0.0026	0.08	2.51	4.1	<0.02	<10	100	0.54	0.11	0.25	0.09	15.65	13.3	45
MPL004 05+50S		Empty Bag														
MPL004 05+75S		0.41	0.0318	0.08	2.27	5.1	<0.02	<10	70	0.57	0.09	0.31	0.08	20.2	12.1	46
MPL004 06+00S		0.46	0.0012	0.05	2.02	3.5	<0.02	<10	60	0.42	0.08	0.36	0.07	14.60	12.4	39
MPL004 06+25S		Empty Bag														
MPL004 06+50S		0.50	0.0106	0.09	2.93	5.7	<0.02	<10	120	0.65	0.10	0.46	0.12	18.00	17.5	39
MPL004 06+75S		0.44	0.0017	0.07	3.14	6.4	<0.02	<10	140	0.63	0.10	0.48	0.12	18.05	12.5	49

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To: TERRALOGIC EXPLORATION SERVICES INC.
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 Account: TELOEX

Project: Mt Polley W Project (MP22-001)

CERTIFICATE OF ANALYSIS KL22202246

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	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	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
MPL004 00+25S		1.53	34.5	3.67	6.10	<0.05	0.10	0.02	0.015	0.05	8.1	15.3	0.88	304	0.37	0.02
MPL004 00+50S		1.71	44.7	3.87	5.98	0.05	0.14	0.03	0.019	0.08	8.4	16.9	0.86	326	0.47	0.01
MPL004 00+75S		1.43	30.9	3.46	5.84	<0.05	0.11	0.01	0.016	0.06	6.3	14.6	0.60	437	0.41	0.02
MPL004 01+00S		1.84	28.7	3.47	6.32	<0.05	0.16	0.04	0.022	0.07	7.1	15.4	0.51	279	0.50	0.01
MPL004 01+25S																
MPL004 01+50S																
MPL004 01+75S																
MPL004 02+00S																
MPL004 02+25S		2.86	26.7	2.79	5.05	<0.05	0.08	0.01	0.013	0.06	7.3	12.8	0.50	511	0.42	0.02
MPL004 02+50S																
MPL004 02+75S		1.95	92.3	4.20	5.59	0.09	0.07	0.06	0.021	0.18	13.1	15.0	1.23	881	0.47	0.02
MPL004 03+00S		1.75	63.5	4.48	6.55	0.05	0.04	0.04	0.022	0.10	7.8	20.4	0.90	403	0.66	0.02
MPL004 03+25S																
MPL004 03+50S		1.23	41.7	3.96	5.12	0.05	0.05	0.01	0.021	0.07	8.9	16.4	0.81	384	0.46	0.02
MPL004 03+75S		1.18	35.5	4.16	3.94	<0.05	<0.02	0.15	0.021	0.09	4.6	7.4	0.33	1730	0.88	0.01
MPL004 04+00S		1.87	49.7	4.16	6.59	0.06	0.08	0.05	0.027	0.09	12.2	33.6	0.89	365	0.47	0.02
MPL004 04+25S		1.62	122.0	5.89	6.12	0.05	0.02	<0.01	0.040	0.08	5.8	11.9	0.66	1290	0.67	0.02
MPL004 04+50S		1.25	33.9	3.36	5.60	<0.05	0.04	0.01	0.021	0.08	7.9	14.2	0.57	812	0.54	0.01
MPL004 04+75S		1.32	46.3	3.15	5.78	0.05	0.04	0.02	0.018	0.08	11.1	18.0	0.75	744	0.50	0.01
MPL004 05+00S		1.11	28.3	2.96	5.67	<0.05	0.03	0.03	0.020	0.08	9.1	18.6	0.55	518	0.49	0.01
MPL004 05+25S		1.70	30.2	3.50	7.03	<0.05	0.06	0.01	0.023	0.09	7.9	16.2	0.58	371	0.57	0.01
MPL004 05+50S																
MPL004 05+75S		1.47	34.7	3.33	5.83	<0.05	0.05	0.01	0.020	0.08	10.0	17.1	0.61	249	0.57	0.01
MPL004 06+00S		1.67	33.6	3.44	6.46	<0.05	0.06	<0.01	0.019	0.10	7.3	15.3	0.79	280	0.61	0.01
MPL004 06+25S																
MPL004 06+50S		2.10	56.9	4.23	10.75	<0.05	0.04	0.02	0.039	0.09	8.9	25.4	1.17	432	0.76	0.01
MPL004 06+75S		2.57	55.9	4.05	7.90	<0.05	0.05	0.06	0.028	0.08	9.1	21.3	0.68	311	0.73	0.01

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 Account: TELOEX

Project: Mt Polley W Project (MP22-001)

CERTIFICATE OF ANALYSIS KL22202246

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	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	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
MPL004 00+25S		0.82	15.8	900	5.2	7.9	<0.001	0.01	0.34	3.8	<0.2	0.4	42.3	<0.01	0.01	1.7
MPL004 00+50S		0.85	27.6	1080	4.2	9.9	<0.001	0.01	0.29	4.8	<0.2	0.4	36.5	<0.01	0.01	2.1
MPL004 00+75S		0.83	15.3	880	5.1	9.0	<0.001	0.01	0.30	4.0	<0.2	0.4	42.6	<0.01	0.01	1.5
MPL004 01+00S		1.06	16.1	1210	5.1	9.8	<0.001	0.01	0.28	4.0	<0.2	0.4	30.2	<0.01	0.01	1.9
MPL004 01+25S																
MPL004 01+50S																
MPL004 01+75S																
MPL004 02+00S																
MPL004 02+25S		0.94	13.4	1080	7.6	8.3	<0.001	0.01	0.21	3.2	<0.2	0.4	42.1	<0.01	0.01	1.7
MPL004 02+50S																
MPL004 02+75S		0.76	28.1	1560	5.5	12.8	<0.001	0.02	0.44	10.1	0.2	0.3	62.9	<0.01	0.02	2.1
MPL004 03+00S		0.98	21.3	1770	4.8	8.8	<0.001	0.01	0.47	5.7	<0.2	0.4	52.3	<0.01	0.02	1.5
MPL004 03+25S																
MPL004 03+50S		0.92	17.6	1580	4.5	8.1	<0.001	0.02	0.45	4.8	<0.2	0.3	55.0	<0.01	0.02	1.4
MPL004 03+75S		0.62	12.4	820	6.9	9.6	<0.001	0.04	0.93	5.0	<0.2	0.4	57.0	<0.01	0.02	0.2
MPL004 04+00S		1.32	30.9	940	5.2	8.9	<0.001	0.03	0.29	7.4	0.5	0.4	58.8	<0.01	0.02	1.5
MPL004 04+25S		0.57	15.4	1140	3.8	9.7	<0.001	0.01	0.38	13.3	<0.2	0.5	37.1	<0.01	0.01	0.8
MPL004 04+50S		1.04	18.6	1140	5.0	10.0	<0.001	0.01	0.28	3.5	<0.2	0.4	35.3	<0.01	0.02	1.6
MPL004 04+75S		0.98	23.2	850	4.6	10.4	<0.001	0.02	0.83	4.6	<0.2	0.4	40.6	<0.01	0.02	1.2
MPL004 05+00S		1.10	20.4	1150	5.2	10.4	<0.001	0.02	0.23	3.2	<0.2	0.4	27.9	<0.01	0.02	1.7
MPL004 05+25S		1.12	28.2	1260	5.9	14.0	<0.001	0.01	0.23	3.8	<0.2	0.5	21.0	<0.01	0.02	2.1
MPL004 05+50S																
MPL004 05+75S		1.11	27.2	1150	4.9	11.8	<0.001	0.01	0.25	3.6	0.2	0.4	26.0	<0.01	0.02	2.1
MPL004 06+00S		1.06	21.5	880	4.5	11.3	<0.001	0.01	0.19	4.5	<0.2	0.4	26.9	<0.01	0.02	1.7
MPL004 06+25S																
MPL004 06+50S		1.34	29.1	1820	4.8	10.4	<0.001	0.02	0.29	6.9	<0.2	0.6	38.7	<0.01	0.02	1.8
MPL004 06+75S		1.38	29.9	2280	5.7	10.9	<0.001	0.02	0.27	4.4	0.2	0.5	60.6	<0.01	0.02	2.2

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 Account: TELOEX

Project: Mt Polley W Project (MP22-001)

CERTIFICATE OF ANALYSIS KL22202246

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
MPL004 00+25S		0.132	0.04	0.47	115	0.13	3.75	41	4.4
MPL004 00+50S		0.118	0.04	0.50	110	0.11	4.06	49	5.6
MPL004 00+75S		0.113	0.03	0.39	101	0.12	2.75	55	4.8
MPL004 01+00S		0.108	0.04	0.45	93	0.14	2.68	63	5.7
MPL004 01+25S									
MPL004 01+50S									
MPL004 01+75S									
MPL004 02+00S									
MPL004 02+25S		0.105	0.04	0.33	84	0.10	2.79	50	3.7
MPL004 02+50S									
MPL004 02+75S		0.119	0.05	0.58	123	0.19	10.10	60	3.2
MPL004 03+00S		0.117	0.02	0.71	133	0.22	4.42	73	1.9
MPL004 03+25S									
MPL004 03+50S		0.117	0.02	0.48	120	0.20	5.31	53	2.3
MPL004 03+75S		0.056	0.03	0.40	125	0.37	2.25	83	0.5
MPL004 04+00S		0.133	0.05	0.99	114	0.16	8.94	59	3.5
MPL004 04+25S		0.073	0.03	0.45	155	0.18	3.13	74	0.8
MPL004 04+50S		0.101	0.05	0.39	92	0.14	3.18	71	2.0
MPL004 04+75S		0.107	0.06	0.52	91	0.12	5.33	59	1.7
MPL004 05+00S		0.088	0.05	0.40	76	0.12	3.16	66	1.5
MPL004 05+25S		0.101	0.08	0.37	85	0.12	2.30	71	2.6
MPL004 05+50S									
MPL004 05+75S		0.090	0.06	0.50	81	0.11	3.49	67	1.8
MPL004 06+00S		0.106	0.04	0.35	91	0.12	3.04	55	2.5
MPL004 06+25S									
MPL004 06+50S		0.099	0.06	0.53	113	0.16	4.01	81	2.0
MPL004 06+75S		0.101	0.07	0.52	103	0.14	3.25	76	2.2



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 Account: TELOEX

CERTIFICATE KL22202255

Project: Mt Polley W Project (MP22-002)
 P.O. No.: MP2022-1
 This report is for 20 samples of Rock submitted to our lab in Kamloops, BC, Canada on 22-JUL-2022.
 The following have access to data associated with this certificate:

VANESSA BEACH	JESSE CAMPBELL	ERIC MORLEY
---------------	----------------	-------------

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
BAG-01	Bulk Master for Storage
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32m	Pulverize 500g - 85%<75um
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

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, Director, North Vancouver Operations



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 Account: TELOEX

Project: Mt Polley W Project (MP22-002)

CERTIFICATE OF ANALYSIS KL22202255

Sample Description	Method Analyte Units LOD	WEI-21	Au-AA23	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
EEMPR001		2.88	0.007	0.04	6.70	11.2	980	1.18	0.04	7.92	0.09	25.4	31.5	87	1.53	37.2
EEMPR001B		1.71	<0.005	0.01	0.06	<0.2	10	0.06	0.01	20.3	0.06	0.77	0.3	1	0.09	1.0
EEMPR002		3.94	0.009	0.01	8.53	19.9	760	1.14	0.05	4.45	0.08	22.2	15.6	20	0.20	2.1
EEMPR003		0.91	0.008	0.02	7.63	3.4	480	0.75	0.01	5.99	0.09	14.50	26.0	33	0.55	19.2
EEMPR004		0.97	0.007	0.22	8.16	5.2	840	1.06	0.03	5.11	0.09	14.90	22.1	57	1.08	156.5
EEMPR005		1.03	0.006	0.04	8.69	5.9	100	1.50	0.04	17.05	0.26	15.05	23.1	58	0.87	108.0
EEMPR006		2.68	0.006	0.02	7.72	4.8	1120	1.44	0.02	4.49	0.07	31.3	31.6	1	17.20	93.2
EEMPR007		0.60	0.016	0.13	1.64	15.2	60	0.75	<0.01	13.55	0.14	4.45	18.1	25	0.81	19.1
EEMPR008		1.22	0.005	0.05	7.43	2.3	230	0.75	0.02	6.87	0.13	27.3	26.1	58	0.20	131.0
EEMPR009		1.06	<0.005	0.01	7.45	3.1	1480	1.48	0.04	5.40	0.09	30.8	35.2	133	0.61	25.2
EEMPR010		1.11	0.008	0.18	8.40	2.6	700	0.93	0.01	7.00	0.19	15.80	32.9	63	0.37	1005
EEMPR011		0.07	0.294	16.40	3.36	265	120	0.46	9.86	2.22	44.8	19.85	16.0	48	0.86	2160
EEMPR012		1.65	0.011	0.13	6.16	4.6	810	1.30	0.02	7.66	0.14	28.2	44.9	88	1.81	271
EEMPR013		0.95	0.010	0.14	8.05	2.1	900	1.55	0.02	7.52	0.11	33.3	37.9	19	4.86	324
EEMPR014		0.84	0.006	0.08	7.65	5.4	980	1.39	0.02	5.60	0.06	32.4	35.1	21	10.25	199.0
EEMPR015		1.43	0.010	0.33	7.49	4.4	1040	1.42	0.01	3.81	0.05	24.1	37.3	34	0.37	1595
EEMPR016		0.94	0.007	0.11	8.03	6.7	530	1.48	0.02	7.68	0.13	32.0	35.1	19	1.91	669
EEMPR017		1.06	<0.005	0.01	6.02	3.5	260	1.27	<0.01	6.98	0.05	20.6	36.2	204	0.20	47.9
EEMPR018		1.48	<0.005	0.04	4.90	5.0	260	0.80	0.03	8.06	0.10	17.65	29.4	173	0.49	59.0
EEMPR019		2.22	0.006	0.06	0.78	6.8	80	0.86	0.01	17.20	0.10	4.61	34.5	81	0.16	136.5

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Project: Mt Polley W Project (MP22-002)

CERTIFICATE OF ANALYSIS KL22202255

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
EEMPR001		7.02	12.95	0.14	1.4	0.054	2.37	12.5	31.3	3.52	1120	1.20	2.25	2.3	28.5	3330
EEMPR001B		0.12	0.15	0.08	<0.1	<0.005	0.02	<0.5	2.1	12.50	116	<0.05	0.01	0.1	0.3	20
EEMPR002		5.05	18.05	0.12	1.9	0.052	1.80	10.2	17.6	1.66	1465	0.35	3.93	2.8	8.7	1230
EEMPR003		6.35	12.10	0.09	1.3	0.040	1.00	7.2	20.0	3.12	1235	0.39	3.88	1.8	19.6	1440
EEMPR004		5.30	12.75	0.10	1.2	0.045	1.69	8.4	16.4	1.41	1055	1.41	3.22	2.0	24.6	1610
EEMPR005		5.72	32.4	0.09	1.1	0.036	0.42	8.0	8.5	1.29	1035	0.77	0.69	1.5	26.9	1420
EEMPR006		7.39	12.15	0.14	1.5	0.046	4.35	15.4	33.4	3.40	1400	0.35	2.24	2.8	12.0	3680
EEMPR007		4.08	3.58	0.06	0.3	0.020	0.49	2.2	66.4	0.37	709	0.65	0.02	0.4	16.2	570
EEMPR008		6.91	12.45	0.11	1.5	0.052	1.90	12.8	9.8	1.19	1350	0.53	4.17	2.6	16.6	2600
EEMPR009		7.32	12.70	0.12	1.4	0.052	3.14	15.5	44.0	4.18	1450	0.71	2.17	2.6	41.6	3220
EEMPR010		7.57	15.80	0.09	1.5	0.043	2.08	7.8	34.7	3.44	1545	0.71	2.15	2.3	24.9	1640
EEMPR011		8.89	10.70	0.15	1.3	1.680	0.46	10.6	28.2	2.55	502	11.85	0.10	3.0	28.6	400
EEMPR012		8.74	13.35	0.11	1.5	0.058	1.70	13.8	38.4	4.73	1390	0.59	1.60	2.4	31.4	3120
EEMPR013		8.25	16.05	0.10	1.8	0.055	1.43	15.5	19.9	3.13	1655	1.60	2.96	3.1	13.0	2990
EEMPR014		7.95	13.75	0.13	1.7	0.060	3.94	15.3	20.9	3.57	1235	0.56	2.01	2.9	13.6	2870
EEMPR015		7.77	16.55	0.13	1.4	0.044	3.87	11.8	27.0	4.30	1280	1.17	1.89	2.8	18.6	2970
EEMPR016		8.12	20.8	0.09	1.6	0.057	1.40	15.2	24.5	3.48	2060	0.89	2.66	2.8	12.5	2840
EEMPR017		7.23	12.10	0.09	1.3	0.045	1.39	10.3	15.7	4.99	1230	0.20	3.05	2.1	43.3	2520
EEMPR018		6.06	9.36	0.08	0.8	0.043	2.21	8.8	4.3	4.00	1150	0.37	2.11	1.7	35.0	2220
EEMPR019		2.75	1.65	<0.05	0.3	0.007	0.05	2.2	10.7	9.20	1035	0.19	0.04	0.7	93.0	310

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



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To: TERRALOGIC EXPLORATION SERVICES INC.
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 Finalized Date: 29-AUG-2022
 Account: TELOEX

Project: Mt Polley W Project (MP22-002)

CERTIFICATE OF ANALYSIS KL22202255

Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
EEMPR001		10.8	33.3	<0.002	0.01	0.61	31.9	<1	0.8	744	0.13	<0.05	1.75	0.399	0.09	1.1
EEMPR001B		1.6	0.9	<0.002	<0.01	0.13	0.1	<1	<0.2	45.2	<0.05	<0.05	0.10	<0.005	<0.02	<0.1
EEMPR002		4.4	27.6	<0.002	0.01	0.56	13.7	<1	0.9	1215	0.16	<0.05	1.41	0.416	0.11	1.0
EEMPR003		5.0	38.1	<0.002	<0.01	0.25	24.8	<1	0.6	1365	0.11	<0.05	1.00	0.373	0.05	0.5
EEMPR004		5.8	30.1	0.002	0.05	3.26	17.1	<1	0.6	646	0.13	<0.05	1.06	0.327	0.14	0.7
EEMPR005		10.3	17.1	<0.002	0.01	0.74	18.8	<1	0.6	687	0.10	<0.05	1.01	0.296	0.07	0.5
EEMPR006		6.9	70.2	<0.002	<0.01	0.26	20.9	<1	0.7	1180	0.15	<0.05	2.12	0.421	0.09	0.9
EHMPR001		1.6	13.6	<0.002	0.01	19.20	11.7	<1	<0.2	449	<0.05	0.15	0.27	0.114	0.06	0.3
EMMPR001		5.1	29.5	<0.002	0.01	0.11	31.9	<1	0.8	362	0.15	<0.05	1.78	0.449	0.05	1.0
EMMPR002		7.0	50.7	<0.002	<0.01	0.28	31.3	<1	0.8	1425	0.14	<0.05	2.20	0.396	0.10	0.8
EMMPR003		7.6	30.4	<0.002	<0.01	0.14	30.2	<1	0.7	955	0.13	<0.05	1.18	0.449	0.06	0.8
EMMPR003S		1030	15.7	0.011	6.82	40.4	5.8	28	16.7	71.1	0.23	0.29	2.66	0.116	6.52	2.4
EMMPR004		7.8	37.8	<0.002	0.01	0.35	39.0	<1	0.8	1030	0.13	<0.05	1.62	0.447	0.07	0.8
EMMPR005		7.2	25.7	<0.002	<0.01	0.14	29.5	<1	0.9	1410	0.16	<0.05	2.35	0.478	0.03	1.0
EMMPR006		7.6	77.8	<0.002	<0.01	0.12	28.1	<1	0.9	1230	0.16	<0.05	2.38	0.463	0.10	1.1
EMMPR007		7.7	56.6	<0.002	0.01	0.22	24.8	<1	0.8	960	0.16	<0.05	1.79	0.463	0.09	1.5
EMMPR008		7.5	42.3	<0.002	<0.01	0.57	29.0	<1	0.8	1560	0.16	<0.05	2.30	0.471	0.05	0.9
EMMPR009		2.4	25.5	<0.002	<0.01	1.86	39.4	<1	0.7	489	0.12	<0.05	1.50	0.367	0.04	0.6
EMMPR010		3.1	54.7	<0.002	<0.01	1.37	32.8	<1	0.6	423	0.10	<0.05	1.26	0.312	0.06	0.9
EMMPR011		2.7	1.4	<0.002	<0.01	1.02	3.7	<1	0.2	661	<0.05	<0.05	0.46	0.051	<0.02	0.4

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 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 29-AUG-2022
 Account: TELOEX

Project: Mt Polley W Project (MP22-002)

CERTIFICATE OF ANALYSIS KL22202255

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		V	W	Y	Zn	Zr
		ppm	ppm	ppm	ppm	ppm
		1	0.1	0.1	2	0.5
EEMPR001		270	1.1	12.4	93	45.2
EEMPR001B		1	<0.1	0.3	4	<0.5
EEMPR002		211	0.7	20.4	84	59.7
EEMPR003		242	0.2	14.2	76	41.2
EEMPR004		191	0.6	14.8	88	39.8
EEMPR005		306	0.3	13.1	47	37.8
EEMPR006		260	0.3	15.5	93	52.2
EHMPR001		59	1.4	3.9	62	8.9
EMMPR001		285	0.2	13.3	65	49.6
EMMPR002		297	0.4	13.6	90	45.9
EMMPR003		288	0.2	16.7	100	49.3
EMMPR003S		75	1.6	9.2	7170	40.2
EMMPR004		320	0.3	15.3	105	47.6
EMMPR005		326	0.4	17.5	105	60.6
EMMPR006		296	0.4	15.8	102	56.3
EMMPR007		303	0.6	13.6	109	48.2
EMMPR008		378	0.5	16.1	105	52.3
EMMPR009		212	0.2	11.1	74	40.1
EMMPR010		206	0.5	9.2	64	22.4
EMMPR011		55	2.4	4.6	90	12.4

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Project: Mt Polley W Project (MP22-002)

CERTIFICATE OF ANALYSIS KL22202255

	CERTIFICATE COMMENTS												
Applies to Method:	<p style="text-align: center;">ANALYTICAL COMMENTS</p> <p>REEs may not be totally soluble in this method. ME-MS61</p>												
Applies to Method:	<p style="text-align: center;">LABORATORY ADDRESSES</p> <p>Processed at ALS Kamloops located at 2953 Shuswap Drive, Kamloops, BC, Canada.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">BAG-01</td> <td style="width: 33%;">CRU-31</td> <td style="width: 33%;">CRU-QC</td> <td style="width: 15%;"></td> </tr> <tr> <td>LOG-22</td> <td>LOG-23</td> <td>PUL-32m</td> <td>DISP-01</td> </tr> <tr> <td>SPL-21</td> <td>WEI-21</td> <td></td> <td>PUL-QC</td> </tr> </table>	BAG-01	CRU-31	CRU-QC		LOG-22	LOG-23	PUL-32m	DISP-01	SPL-21	WEI-21		PUL-QC
BAG-01	CRU-31	CRU-QC											
LOG-22	LOG-23	PUL-32m	DISP-01										
SPL-21	WEI-21		PUL-QC										
Applies to Method:	<p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Au-AA23</td> <td style="width: 33%;">ME-MS61</td> <td style="width: 33%;"></td> <td style="width: 15%;"></td> </tr> </table>	Au-AA23	ME-MS61										
Au-AA23	ME-MS61												