ASSESSMENT REPORT TITLE PAGE AND SUMMARY

TITLE OF REPORT: 2023 Mount Polley West Project Assessment Report

TOTAL COST: $34, 820.73

AUTHOR(S): Natalie McNeill
SIGNATURE(S):

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S):
STATEMENT OF WORK EVENT NUMBER(S)/DATE(S): **6022603 – April 18th, 2024**

YEAR OF WORK: **2023**

PROPERTY NAME: **Mount Polley West**

CLAIM NAME(S) (on which work was done): **1098600, 1103899, 1106025, 1106026, 1106027, 1106028, 1106291, 1107222, 1107275, 1112545, 1112546, 1112547**

COMMODITIES SOUGHT: **Cu, Ag, Zn, Au**

MINERAL INVENTORY MINFILE NUMBER(S),IF KNOWN: **093A – 318, 307, 309, 066, 307, 312, 311, 314, 118, 313**

MINING DIVISION: **Cariboo Mining Division**
NTS / BCGS: 093A-12
LATITUDE: __52.54158 _____° _____' _____"
LONGITUDE: _-121.73575 _____° _____' _____" (at centre of work)
UTM Zone: **10N** EASTING: **585738 mE** NORTHING: **5822030 mN**

OWNER(S): **Eagle Plains Resources**

MAILING ADDRESS:
Suite 200, 44-12th Ave S, Cranbrook, BC, V1C 2R7

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

MAILING ADDRESS:

REPORT KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude. **Do not use abbreviations or codes**)
Mount Polley, Likely, Cariboo, Quesnellia, Copper-Gold porphyry, calc-alkalic, volcanic, breccia, copper, silver, gold, malachite, sulfides, native copper.

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS:

00862, 00885, 00924, 01097, 01644, 04683, 11349, 11830, 12589, 12596, 12692, 12903, 13063, 13430, 14401, 20792, 21516, 21584, 22455, 22897, 23549, 24566, 25180, 25261, 25301, 25717, 25960, 26614, 27752, 28000, 32283, 32706, 34223, 37266, 37963

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			
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Airborne			
GEOCHEMICAL (number of samples analysed for …)			
Soil			
Silt			
Rock			
Other – Till – 8		**1098600, 1103899, 1106025, 1106026, 1106027, 1106028, 1106291, 1107222, 1107275, 1112545, 1112546, 1112547**	**$34, 820.73**
DRILLING (total metres, number of holes, size, storage location)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling / Assaying			
PROSPECTING (scale/area)			
PREPATORY / PHYSICAL			
Line/grid (km)			
Topo/Photogrammetric (scale, area)			
Trench (number/metres)			
Underground development (metres)			
Other			
		TOTAL COST	**$34,820.73**

2023 TILL GEOCHEMISTRY ASSESSMENT REPORT

At the

MOUNT POLLEY WEST PROPERTY

Williams Lake Area, BC

Centre of Work:

UTM Zone 10N 0585738 mE, 5822030 mN (NAD83)
(NTS 093A-12)

Caribou Mining District

Prepared for:
Eagle Plains Resources Ltd.
Suite 200, 44-12th Ave. S.
Cranbrook BC, V1C 2R7

By:

Natalie McNeill
TerraLogic Exploration Inc.
Suite 200, 44-12th Ave. S.
Cranbrook, B.C. V1C 2R7

June 25th, 2024

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Summary

The Mount Polley West property is located approximately 52 km NNE of Williams Lake, British Columbia. The Mount Polley West Property can be accessed by driving 43 km north of William's Lake to McLeese Lake, then heading west on Beaver Lake Road/Likely Road approximately 40 km. Various Forest Service Roads (FSR's) exist off the Likely Rd, allowing access to all areas of the Property.

A total of 19 claims, totalling 9486.85 hectares (ha) make up the Mount Polley West Property.

The property is underlain by the Central Quesnel Belt portion of the Quesnellia terrane, which forms part of the Intermontane Belt of the Canadian Cordillera (Figure 3). The belt is a northwest trending tectonic division comprised of Mesozoic volcanic and sedimentary rocks of island arc affinity represented by Takla Group to the north and by Nicola Group to the south. Nicola Group rocks underlie the property area.

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 volcaniclastic breccias. Intrusive rocks include several small stocks, plugs and dykes of syenite to monzodiorite composition. The Mt. Polley stock, which hosts the Mt. Polley deposit, is of monzonite to syenodiorite composition. These intrusives are thought to be coeval and comagmatic with Early Jurassic volcanism extending into Middle Jurassic time.

Copper-gold mineralization with alkalic porphyries is spatially and temporally related to comagmatic and coeval alkalic plutonism and volcanism.

A total of 10 mineral occurrences underlies the Mount Polley West property (Table 2). The recorded occurrences are hosted in volcanic rocks and are typically present as disseminations or fracture filling of malachite, chalcocite, covellite, cuprite, azurite, chrysocolla, and native copper. The mineralization style is suggested to be volcanic red bed-style copper mineralization as simple copper mineral assemblages are hosted in oxidized subaerial volcanic rocks. Quartz-carbonate-ankerite alteration zones associated with northeast-striking faults also contain minor amounts of copper mineralization.

Historical work on the Mount Polley West Property began in the early 1960's and has continued on throughout the late 2000's, before Eagle Plains Resources has acquired the ground. The historical work has mainly consisted of geochemical soil sampling, geological mapping and rock sampling, VLF-EM and magnetic surveys, and minor IP surveying. Drilling has been minor to date, with a few diamond drill and RC drill programs (holes drilled at shallow depths). Rock samples on the property have returned over 8500 ppm Cu and 1125 ppb Au and up to 5.4% Cu. Drilling intersections range from 263 ppm Cu over 24.4 meters and 9.1 m grading 104 ppb Au.

Historical work has revealed that anomalous Cu and Au are largely associated with an extensive zone of iron-carbonate alteration within monzonitic to quartz-monzonitic stocks. The presence of the Cu-Au mineral showings and widespread alteration observed in outcrop within the Mount Polley West geologic setting is considered highly permissive to host a porphyry system.

The exploration work on the Mount Polley West claims have also shown that geochemical soil anomalies, most notably Cu-in-soil, are “erratic”, consisting of random highs with no discernable patterns. The BC Geological Survey surficial geology maps (e.g. Geoscience Map 2015-02) infer the Property is underlain by thick quaternary glacial sediments, which is a valid explanation of why soil geochemistry is not a good exploration method for this area.

The objective of the 2023 exploration program was to follow up on the historical till sampling completed by the British Columbia Geological Survey (BCGS). The results of the program revealed promising gold values, with samples containing up to 49 and 30 recovered gold grains. The gold grains in the till samples are described as pristine, modified, and re-shaped, depending on the overall appearance of the grains. A historical data compilation, completed by Terralogic Exploration, was completed in order to identify prospective target areas for field work. It was revealed that anomalous Cu and Au (mineral showings) are largely associated with an extensive zone of iron-carbonate alteration within monzonitic to quartz-monzonitic stocks. The presence of the Cu-Au mineral showings and widespread alteration observed in outcrop also coincides with anomalous magnetic and radiometric (K/Th) airborne geophysical results within the Mount Polley West geologic setting and is considered highly permissive to host a porphyry system.

A total of nine samples were collected on the property in 2023. Assay results for Cu were variable, ranging from 13.95 ppm to 82.4 ppm. Elevated Cu values were reported in samples EEMPT006 (53 ppm) and AWMPT003 (82.4 ppm). The measured gold grains in all nine till samples ranged from 2 to 52 grains. Samples that returned elevated gold grains were AWMPT001 (38 gold grains (GG)), AWMPT002 (46 GG), and EEMPT004 (52 GG), both higher than the BCGS anomalous samples in the area. Calculated Au (ppb) from the gold grain counts range between 20 to 831 ppb Au.

Future exploration work completed on the Mount Polley West property should include:

- Evaluation and resampling of quartz-monzonitic rocks for lithogeochemical analysis.
- High density till sampling (oriented up-ice, to the north-west) at 100 – 500 m spacing.
- Geophysical surveys (e.g., IP, Magnetics) over coincident till samples (anomalous in Cu-Au) and historical Cu-Au mineral showings.

Introduction

This technical assessment report describes the 2023 till sampling program at Mount Polley West, that was carried out by Terralogic Exploration on behalf of Eagle Plains Resources. The purpose of exploration program was to assess the potential for porphyry Au-Cu mineralization.

Location and Tenure

The Mount Polley West property is located approximately 52 km NNE of Williams Lake, British Columbia (Figure 1). The center of the project is 52.54158 (latitude), -121.73575 (longitude) or 580340 mE, 5826940 mE, UTM Zone 10N NAD 83. The Mount Polley West Property can be accessed by driving 43 km north of William's Lake to McLeese Lake, then heading west on Beaver Lake Road/Likely Road approximately 40 km. Various Forest Service Roads (FSR's) exist off the Likely Rd, allowing access to all areas of the Property.

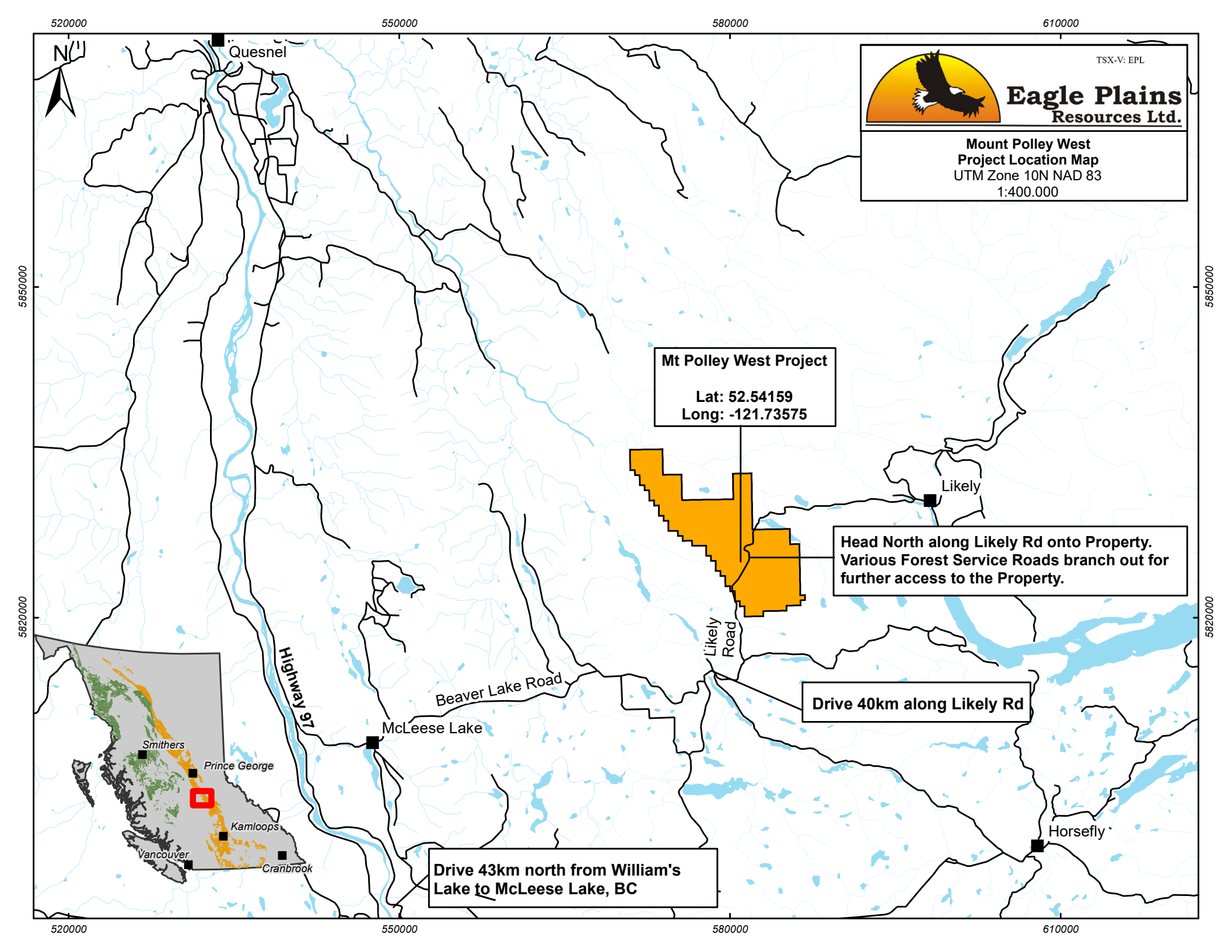
A total of 19 claims, totalling 9486.85 hectares (ha) make up the Mount Polley West Property (see Table 1 and Figure 2).

Physiography, Climate, and Infrastructure

The land is mixed cut block with 15% of the property having been clear cut within the last 30 years and multiple well-maintained logging roads providing access to most of the property. The property is forested by pine, spruce, cedar, birch, alder, and poplar.

The project area is situated in central British Columbia at approximately 1150 m above sea level surrounded by broad, rolling hills. 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. The Likely Road transects the property; most of the property is easily accessed by various forest roads off the paved Likely Road (e.g., Jacobie Lake Forestry Road). Several smaller, unmaintained logging roads are traversable via ATV or Side-By-Side.

The Mount Polley West tenure hosts Jacobie Lake Recreation Site and consists of 7 campsites. The site is easily accessed via the Jacobie Lake Road, approximately 3.5 km off the paved Likely Road. It is located along the Shoreline of Jacobie Lake, which lies towards the centre of the tenure. The sites are "mid-sized" and contains a boat-launch area, fishing areas, and activities on the property.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550000
580000
610000
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5820000
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Quesnel
TSX-V: EPL
Eagle Plains
Resources Ltd.
Mount Polley West
Project Location Map
UTM Zone 10N NAD 83
1:400.000
Mt Polley West Project
Lat: 52.54159
Long: -121.73575
Likely
Head North along Likely Rd onto Property.
Various Forest Service Roads branch out for
further access to the Property.
Likely
Road
Highway 97
Beaver Lake Road
McLeese Lake
Drive 40km along Likely Rd
Horsefly
Drive 43km north from William's
Lake to McLeese Lake, BC
Smithers
Prince George
Kamloops
Vancouver
Cranbrook

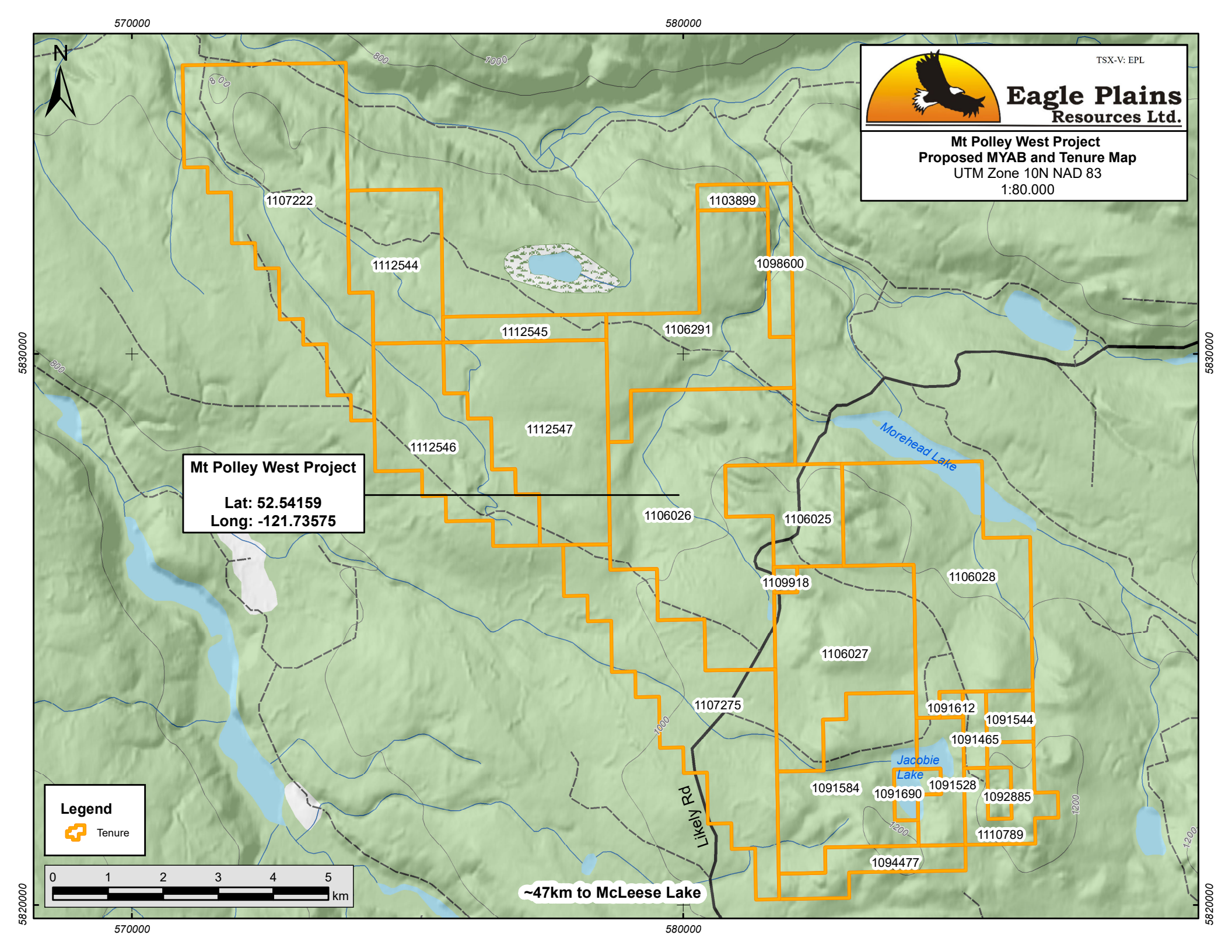

570000
580000
5830000
5820000
N
TSX-V: EPL
Eagle Plains
Resources Ltd.
Mt Polley West Project
Proposed MYAB and Tenure Map
UTM Zone 10N NAD 83
1:80.000
1107222
1112544
1103899
1098600
1112545
1106291
1112547
1112546
Morehead Lake
Mt Polley West Project
Lat: 52.54159
Long: -121.73575
1106026
1106025
1109918
1106028
1106027
1107275
1091612
1091544
1091465
Jacobie Lake
1091584
1091690
1091528
1092885
1110789
1094477
Likely Rd
~47km to McLeese Lake
Legend
Tenure
0 1 2 3 4 5
km

Table 3: Tenure of the Mount Polley West property.

Tenure	Issue Date	Expiry	Hectares	Owner
1103899	2023-04-20 0:00	2026-01-21 0:00	58.8596	EPL: 100%
1098600	2022-10-20 0:00	2026-01-21 0:00	117.747	EPL: 100%
1094477	2022-03-30 0:00	2025-12-31 0:00	177.001	EPL: 100%
1091528	2022-01-27 0:00	2025-12-31 0:00	176.9505	EPL: 100%
1092885	2022-02-01 0:00	2032-12-31 0:00	39.3244	EPL: 100%
1091544	2022-01-27 0:00	2025-12-31 0:00	78.6275	EPL: 100%
1091584	2022-01-27 0:00	2025-12-31 0:00	570.1642	EPL: 100%
1091465	2022-01-27 0:00	2025-12-31 0:00	58.9731	EPL: 100%
1091612	2022-01-27 0:00	2025-12-31 0:00	19.6559	EPL: 100%
1091690	2022-01-27 0:00	2025-12-31 0:00	58.9846	EPL: 100%
1110789	2024-01-29 0:00	2025-01-29 0:00	196.6259	EPL: 100%
1106025	2023-07-14 0:00	2026-01-21 0:00	314.2759	EPL: 100%
1106026	2023-07-14 0:00	2026-01-21 0:00	1217.8	EPL: 100%
1106027	2023-07-14 0:00	2026-01-21 0:00	707.4467	EPL: 100%
1106028	2023-07-14 0:00	2026-01-21 0:00	1021.637	EPL: 100%
1109918	2024-01-03 0:00	2025-01-03 0:00	19.6461	EPL: 100%
1107275	2023-09-08 0:00	2026-01-21 0:00	923.7571	EPL: 100%
1107222	2023-09-05 0:00	2025-02-04 0:00	1236.022	EPL: 100%
1106291	2023-07-26 0:00	2026-01-21 0:00	726.2794	EPL: 100%
1112544	2023-07-26 0:00	2025-02-04 0:00	431.7376	EPL: 100%
1112545	2023-07-26 0:00	2026-01-21 0:00	137.4067	EPL: 100%
1112546	2023-09-01 0:00	2025-02-04 0:00	589.1393	EPL: 100%
1112547	2023-09-01 0:00	2026-01-21 0:00	785.4701	EPL: 100%
		Total Hectares	**9663.532**	

Geology and Mineralization

Regional geology

The property is underlain by the Central Quesnel Belt portion of the Quesnellia terrane, which forms part of the Intermontane Belt of the Canadian Cordillera (Figure 3). The belt is a northwest trending tectonic division comprised of Mesozoic volcanic and sedimentary rocks of island arc affinity represented by Takla Group to the north and by Nicola Group to the south. Nicola Group rocks underlie the property area. Alkalic intrusions coeval with volcanics and often closely related to alkaline copper-gold porphyry deposits are widespread in the Quesnel Terrane.

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.

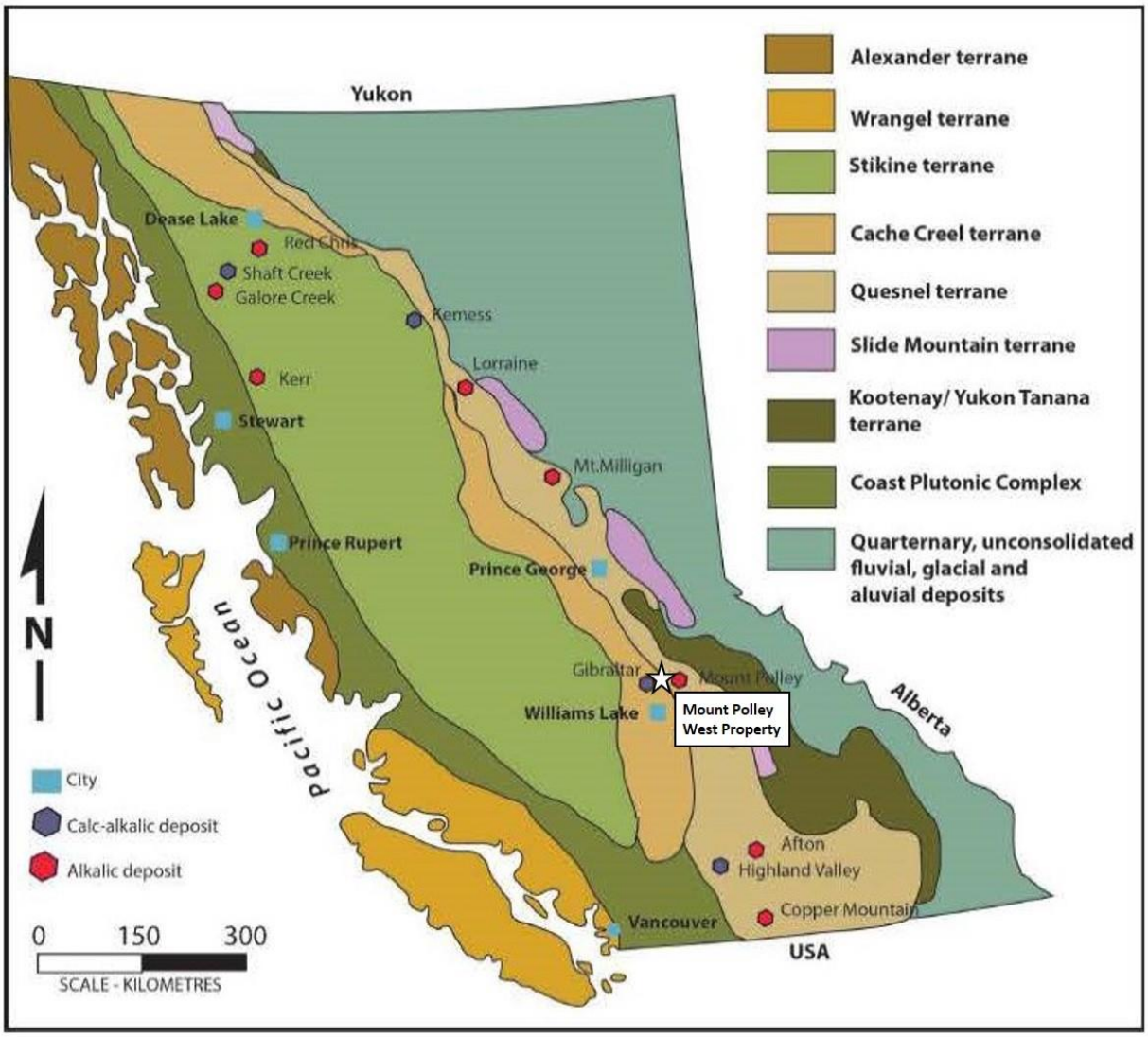


Figure 3 – Major tectonic terranes of British Columbia, showing associated Mesozoic porphyry deposits in the Canadian Cordillera (after McMillian et al., 1995)

Property geology

Geology within the property area consists primarily of late Triassic Nicola Group (Figure 4). The Nicola Group consists of mainly sedimentary Middle to early late Triassic rocks overlain by Late Triassic submarine, trachybasaltic volcanics, tuffs, and volcaniclastic breccias.

Basal epiclastic sediments include phyllite and siltstone with minor sandstone, greywacke conglomerate and limestone. Overlying volcanic rocks and associated sedimentary rocks include

a basal package of alkaline-olivine basalt and alkali basalt composition lavas, breccias and flows with upper siltstone, sandstone and minor limestone. Successively overlying these units are volcanic breccias and fine tuffs of latite-trachyte composition, minor fine sediments, amygdaloidal alkali-olivine basalt, and a successor basin assemblage including post-volcanic calcareous sandstone, siltstone, and cobble conglomerate. Pleistocene glacial and fluvial deposits and Miocene lavas cover large areas of the Quesnel Belt.

Intrusive rocks include several small stocks, plugs and dykes of syenite to monzodiorite composition. The Mt. Polley stock, which hosts the Mt. Polley deposit, is of monzonite to syenodiorite composition. These intrusives are thought to be coeval and comagmatic with Early Jurassic volcanism extending into Middle Jurassic time. Stocks and dykes of quartz monzonite to granite of probable Cretaceous age cut earlier intrusives. Mafic dykes which cut basal sedimentary rocks probably represent feeders to overlying mafic volcanic rocks.

Structurally, the central Quesnel Belt has been folded into a broad open syncline of regional extent cut by at least three generations of faults. Fault orientations include an early (post mid-Jurassic) northwest trending low angle reverse thrust, later northeast trending sinistral faults and a third north trending fault system which may have been active into the Tertiary. Basal sedimentary rocks display variable penetrative fabrics, with two phases of folding. Rocks higher in the sequence show no penetrative fabric.

Copper-gold mineralization with alkalic porphyries is spatially and temporally related to comagmatic and coeval alkalic plutonism and volcanism. The Mt. Polley stock (Cariboo-Bell) is located approximately 8 kilometres east of the property. Mt. Polley is characterized by crackle and intrusive breccias typical of porphyry systems, with a propylitic alteration zone surrounding a central potassic and intermediate garnet-epidote alteration zone.

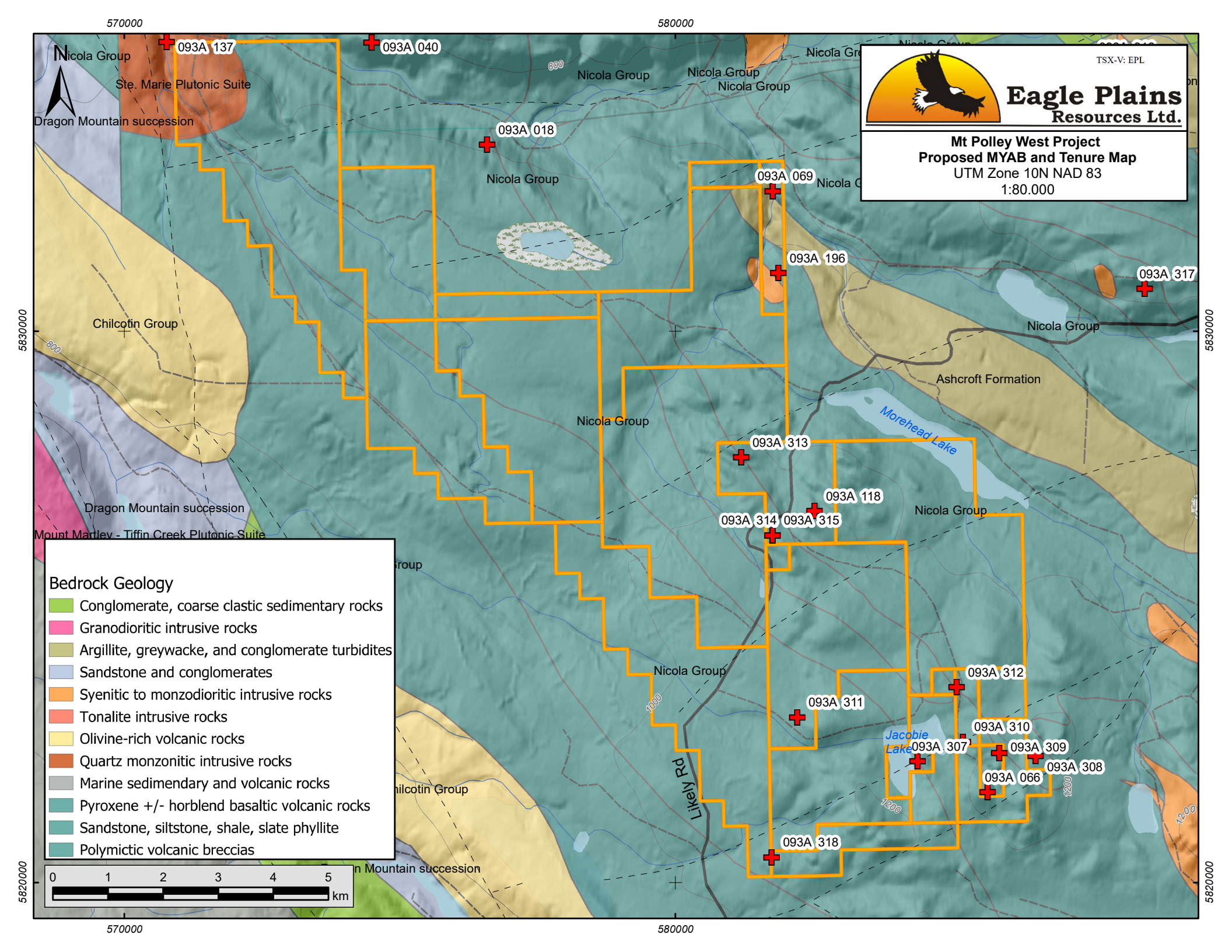
Other types of mineralization which occur near the property include disseminated chalcocite and chalcopyrite-pyrite in basalts, native copper in amygdules within basalt and associated with carbonate alteration.

Mineral occurrences

A total of 10 mineral occurrences underlies the Mount Polley West property (Table 2). The recorded occurrences are hosted in volcanic rocks and are typically present as disseminations or fracture filling of malachite, chalcocite, covellite, cuprite, azurite, chrysocolla, and native copper. The mineralization style is suggested to be volcanic red bed-style copper mineralization as simple copper mineral assemblages are hosted in oxidized subaerial volcanic rocks.

The basaltic rocks were deposited subaerially and consists of vesicular flow breccias with amygdules of calcite and zeolite. In areas of the property chalcocite, covellite, cuprite, malachite, azurite, chrysocolla and native copper also occur as disseminated, fracture fillings and in amygdules in the basalts.

Quartz-carbonate-ankerite alteration zones associated with northeast-striking faults also contain minor amounts of copper mineralization.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UTM Zone 10N NAD 83
1:80.000
093A 137
093A 040
093A 018
093A 069
093A 196
093A 317
093A 313
093A 118
093A 314
093A 315
093A 312
093A 311
093A 310
093A 307
093A 309
093A 308
093A 066
093A 318
Nicola Group
Ste. Marie Plutonic Suite
Dragon Mountain succession
Chilcotin Group
Ashcroft Formation
Morehead Lake
Jacobie Lake
Likely Rd
Mount Martley - Tiffin Creek Plutonic Suite
Bedrock Geology
Conglomerate, coarse clastic sedimentary rocks
Granodioritic intrusive rocks
Argillite, greywacke, and conglomerate turbidites
Sandstone and conglomerates
Syenitic to monzodioritic intrusive rocks
Tonalite intrusive rocks
Olivine-rich volcanic rocks
Quartz monzonitic intrusive rocks
Marine sedimendary and volcanic rocks
Pyroxene +/- horblend basaltic volcanic rocks
Sandstone, siltstone, shale, slate phyllite
Polymictic volcanic breccias
0 1 2 3 4 5
km

Table 4: List of mineral occurrences on the Mount Polley West property.

Property	Name	Commodity	Type	Status
093A 318	JC 8	Cu	Grab	Mineral Location
093A 307	JC 2	Cu	Grab	Mineral Location
093A 309	JC 1	Cu-Ag	Grab	Mineral Location
093A 066	JACOBIE	Cu-Ag	Grab	Mineral Location
093A 307	JACOBE 2	Cu	Grab	Mineral Location
093A 312	GOLD MASTER	Cu	Grab	Mineral Location
093A 311	JC 9	Cu-Zn	Grab	Mineral Location
093A 314	BUD 3	Cu-Pb-Zn-Au	Grab	Mineral Location
093A 118	ML	Cu-Au-Ag	Grab	Mineral Location
093A 313	BUD 1	Cu	Grab	Mineral Location

Historical Work

The first documented geophysical program covering the property was a reconnaissance airborne magnetometer survey conducted by the Geological Survey of Canada in 1961. This survey outlines the Mt. Polley stock and several other magnetic highs of lesser magnitude. A moderate strength anomaly approximately 4 km in length occurs south of Jacobie Lake area.

Between 1966 – 1967, Chataway Exploration and A.G. Hodgson completed a serious of soil geochemical surveys around Morehead Lake and Jacobie Lake. The soil results indicate that there is a high background of Cu-in-soil on the property, between 2 pm to 300 ppm Cu. Typically 100 ppm Cu was used as the threshold for anomalies. It was noted that the Cu-in-soil anomalies appeared “erratic” and were random highs with no discernable patterns.

In 1966 – 1968 Milestone Mines Ltd. completed IP surveys over the area of the ML showing area. The company noted an area of (deep) high chargeability, interpreted as sulphide mineralization. They further expanded the IP survey over the ML showing area, again defining a deep chargeability anomaly, interpreted to have a source some ~400 feet below surface.

In 1980, Gibraltar Mines Ltd conducted a geochemical soil survey around Jacobie Lake, further confirming the results from the 1960’s, that Cu-in-soil anomalies are considered greater than 133 ppm Cu (high background). It was noted that drainages and swamps throughout the sampling area appear to be enriched in copper and show scattered anomalies. Gibraltar followed up this geochemical survey in 1984, with a smaller survey, again showing scattered copper and molybdenum anomalies likely caused by glacial dispersion.

In 1982 E & B Explorations Inc. carried out a preliminary IP survey. Two IP lines were run next to gossanous outcrops and a chargeability anomaly was outlined reportedly 600 m x >2 km in size. Limited reverse circulation drilling in 1985 failed to detect any mineralization. In 1983 E &

B Explorations conducted airborne magnetometer and VLF-EM over an extensive area north from Jacobie Lake to Little Lake. Several anomalous areas were detected, including a well-defined anomaly just west of Jacobie Lake. This program was followed by ground VLF-EM/magnetometer as well as soil geochemistry surveys. In 1985, ground VLF-EM and magnetometer surveys were done on airborne anomalies not previously tested.

Asamera Inc was also active in the area in 1984. A program of ground magnetometer and VLF-EM with soil geochemistry was completed northeast of Jacobie Lake. Two areas of coincident magnetometer anomalies and Cu soil anomalies are described (greater than 50 ppm Cu). IP surveys in this area were unable to explain these.

In 1984, Rockridge Mining completed a geophysical and geochemical survey program. The geochemical survey consisted of soil sampling and rock sampling (where altered rock was noted). While the soil results were not encouraging, one breccia rock sample returned up to 648 ppb Au. An airborne VLF-EM survey outlined weak anomalies and magnetics. The local magnetic highs appear to correlate with basaltic volcanic rocks.

In 1985, Pearl Resources completed 3 lines of soil and silt samples just south of Jacobie Lake; the samples were analyzed for copper and gold. Four samples returned greater than 150ppm Cu and 29 samples returned between 10-20 ppb Au.

In 1985, E & B Explorations completed a geochemical soil sampling, VLF-EM and magnetic geophysical ground programs, and reverse circulation (RC) drilling. The soil results were insignificant. However, rock sampling completed in the Morehead Creek area on a monzonite intrusion and its margins were encouraging, ranging from 0 – 4.33 ppm Ag, 363 – 9445 ppm Cu, and 5 – 1125 ppb Au. The most notable result from the drilling program comes from the most northerly hole in the main fence, DH 85-2, which intersected 9.1 m grading 104 ppb Au within a hematite-altered monzonite with minor quartz stockwork. Geophysical responses show abrupt changes to VLF-EM conductors, implying structural significance and that conductivity does not appear to be related to magnetism.

In 1986, E & B Explorations returned to RC drill test previously defined geochemical and geophysical anomalies. Two 1.5 m intersections in drillhole LL-85-4 returned 0.68 g/t Au and 0.33 g/t Au, respectively. Results indicate weak hold mineralization that could be associated with the Morehead Creek monzonite intrusion.

A program of geological mapping, prospecting, rock chip, soil sampling and petrographic analysis was conducted on the claims and the area south of them in 1991. Details are presented in an assessment report dated July 1991 by Montgomery, Todoruk and Darney. This report noted that an area several metres wide of alteration and brecciation. Altered volcanics and intrusive display intense iron-carbonate and hematite alteration with iron-carbonate and chalcedony fracture filling. Similar alteration and brecciation occurs at the ML stock to the east. Both of these zones returned anomalous copper values. Sporadic occurrences of copper mineralization occur over an area approximately 1 km2. Assay values to 1.36% Cu with weakly anomalous gold to 320 ppb have been returned from select grab samples. Work in this area by Milestone Mines Ltd. included geophysical and geochemical surveys and limited drilling. During the 1991

program, two outcrops 100 metres apart were found which consist of rusty weathering silicified alteration hosting disseminated chalcocite and small shear related malachite mineralization.

In 1992, Canim Lake Gold Corp completed a geochemical survey in the area south-west of Morehead Lake. Several rock chip samples were collected from the ML showing returned greater than 100 ppm and 1 rock sample returned 8890 ppm Cu. In 1993, Canim Lake Gold returned to complete an RC drill program, consisting of a total of 469.5 meters. Anomalous copper intersections were returned from drill holes BRC92-6 which carried 128ppm of 21.3m and BRC92-7 which ran 263ppm/24.4m, including a high of 676ppm from 45.7-48.8m. These samples were not analyzed for gold. Both intersections were in altered volcanics that carried disseminated pyrite.

Between 1994 and 1997, Andris Kikauka completed geological mapping and magnetometer surveying east of Jacobie Lake. His conclusions were that magnetic high readings are not associated with increased Cu mineralization.

In 1997, a geochemical soil sampling program was completed in the area just south of Morehead Lake. A total of 867 soils were collected, returning a background of 35 ppm Cu and minor anomalous values of 200 ppm Cu. Big Valley Resources acquired the claims in 1997, and completed diamond drilling that intersected minor quartz veining and abundant carbonate veining with negligible Au mineralization. A total of 641.1 meters was drilled west of Morehead Lake. Copper intersections were not reported in this report, however the analytical certificates show intersections multiple sequential samples over 100 ppm Cu, as high as 647 ppm Cu. Big Valley Resources continued exploration in the area of Morehead Lake, coming back in 1998 to complete a soil geochemical survey, with variable results. A few soils returned greater than 100 ppm Cu, including a max result of 410 ppm Cu.

In 1999, Globex Mining Enterprises completed a geological exploration program south of Morehead Lake. Geological mapping and chip sampling returned 7.12% Cu over a width of 5.0 meters (Trench #5, sample 332) associated with strings of chalcocite adjacent to a NW-trending limonitic fault zone.

In 2001, Phelps Dodge Corporation completed a geochemical sampling and geological mapping program north-east and south-east of Jacobie Lake area. A total of 153 soils and 33 rock samples were collected. Soil sample analytical results indicate copper ranges from 8 to 269 ppm, silver from 14 to 548 ppb and gold from 1 to 173 ppb. Rock samples returned copper values ranging from 3 to 10, 968 ppm Cu, with 13 samples returning greater than 0.1% and 3 samples returning greater than 0.5% Cu. Till sampling and IP surveying was recommended to delineate sulphide-bearing zones.

In 2005, a till sampling program was completed at the north-east end of Jacobie Lake by a prospector (Addie). Four anomalous till samples were collected, ranging between 102 ppm Cu to 149 ppm Cu.

In 2011, Eagle Peak Resources completed a soil sampling and rock sampling program immediately to the east of Jacobie Lake. A total of 77 soils and 6 rock samples were collected.

The results revealed that Cu-in-soils are erratic and no comprehensive anomaly was determined, though elevated copper is outlined around the Jacobie showing. The copper anomaly represents enriched copper in the basaltic rocks. Rock samples from the Jacobie showing returned up to 5.4% Cu.

In 2011, Serengeti Resources completed a geological mapping and rock sampling program to the west of Morehead Lake. A total of 11 rock samples were collected from outcrops. The Serengeti rock sampling and field observations indicate the presence of an extensive zone of iron-carbonate alteration associated with a monzonitic to quartz-monzonitic stock. Assay results from the rock sampling show only weakly anomalous Au result (51.4 ppb Au) occurring in a strongly iron-carbonate altered felsic intrusive; however, the drilling completed in 1985 demonstrated that the anomalous mineralization is open to the north. The area to the east of the creek and to the north of DH 85-2 is entirely covered by thick quaternary glacial sediments and it is entirely possible that a mineral system occurs in this area. The presence of widespread alteration observed in outcrop and a geologic setting that is considered highly permissive to host a porphyry system.

In 2013, Eagle Peak returned to carry out a diamond drill program ~1km SE of Jacobie Lake. A total of three holes were completed (~600.1m). All holes intersected intermittent basalt and sandstone units. However, no mineralization was discovered throughout the entirety of the three drill holes and no sampling occurred.

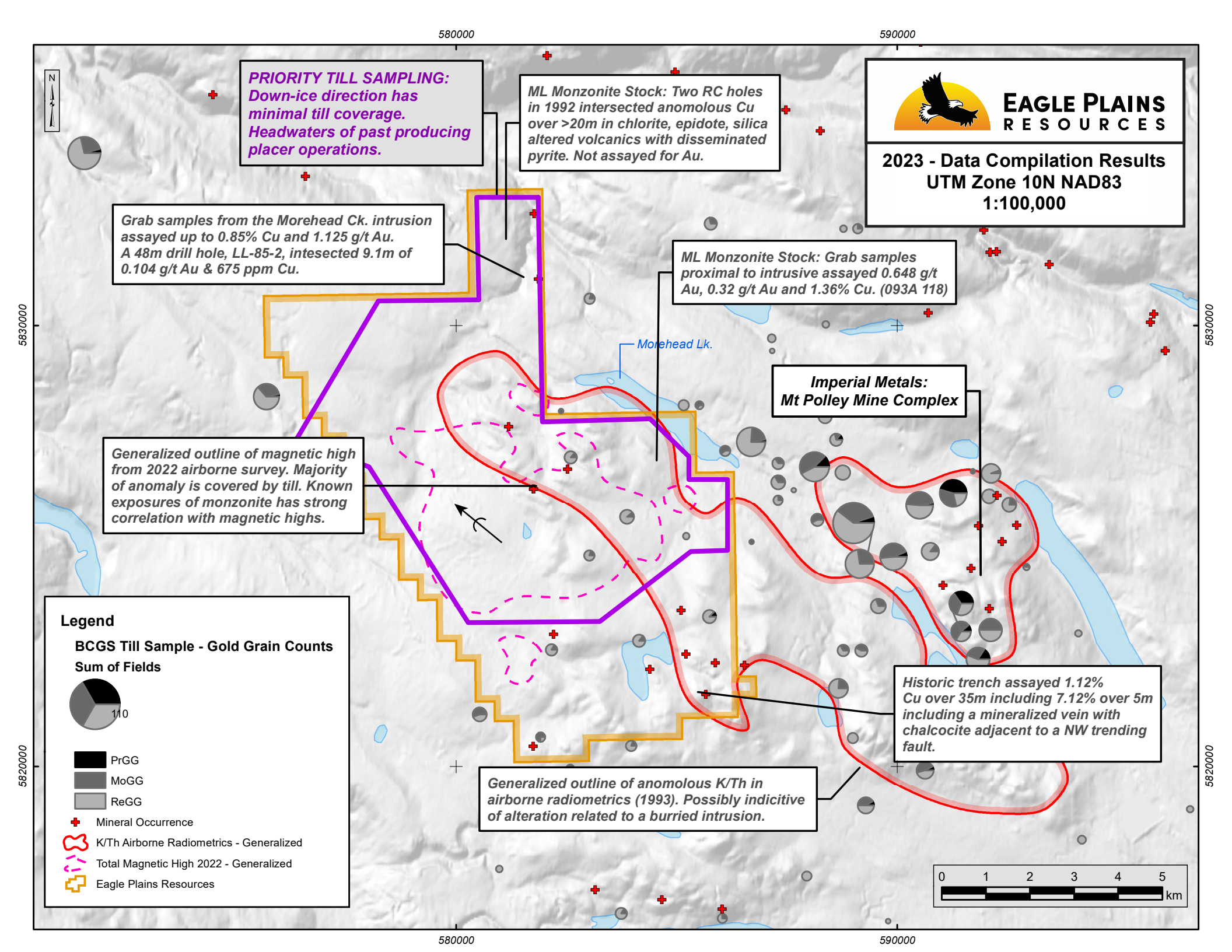
2023 Exploration Program

The 2023 work program on the Mount Polley West Property was completed by Terralogic Exploration, on behalf of Eagle Plains Resources. A significant data compilation was completed on the project, which involved gathering all of the raw data available, and digitizing pertinent data to use for future field and/or drill targeting. Utilizing the results from the data compilation, a field program was designed and executed by Terralogic Exploration. The field program consisted of till sampling, see Table 3 & 4 for total number of till samples and their respective elemental results. The crew was based out of William's Lake, British Columbia and drove to the property for a single day of till sampling on September 30th, 2023. A single 4x4 truck was used to access the property, located directly on the main Likely Road, and subsequent spur roads.

The purpose of the 2023 program was to scout property access and collect till samples in order to vector toward Cu+/-Ag+/-Au mineralization, similar to the mineral showings on the property (Figure 5).

Data Compilation – Results

The data compilation revealed numerous Cu showings on the Property (see Table 4), as well as historical drilling, mapped outcrops of monzonite stocks, trenches, and geophysical surveys. A


580000
590000
5830000
5820000
PRIORITY TILL SAMPLING: Down-ice direction has minimal till coverage. Headwaters of past producing placer operations.
ML Monzonite Stock: Two RC holes in 1992 intersected anomolous Cu over >20m in chlorite, epidote, silica altered volcanics with disseminated pyrite. Not assayed for Au.
EAGLE PLAINS RESOURCES
2023 - Data Compilation Results
UTM Zone 10N NAD83
1:100,000
Grab samples from the Morehead Ck. intrusion assayed up to 0.85% Cu and 1.125 g/t Au.
A 48m drill hole, LL-85-2, intesected 9.1m of 0.104 g/t Au & 675 ppm Cu.
ML Monzonite Stock: Grab samples proximal to intrusive assayed 0.648 g/t Au, 0.32 g/t Au and 1.36% Cu. (093A 118)
Morehead Lk.
Imperial Metals: Mt Polley Mine Complex
Generalized outline of magnetic high from 2022 airborne survey. Majority of anomaly is covered by till. Known exposures of monzonite has strong correlation with magnetic highs.
Historic trench assayed 1.12% Cu over 35m including 7.12% over 5m including a mineralized vein with chalcocite adjacent to a NW trending fault.
Generalized outline of anomolous K/Th in airborne radiometrics (1993). Possibly indicitive of alteration related to a burried intrusion.
Legend
BCGS Till Sample - Gold Grain Counts
Sum of Fields
110
PrGG
MoGG
ReGG
Mineral Occurrence
K/Th Airborne Radiometrics - Generalized
Total Magnetic High 2022 - Generalized
Eagle Plains Resources
0 1 2 3 4 5
km

2022 airborne magnetic survey has defined a magnetic “high” anomaly, that is largely covered by till, however monzonite outcrop showings have been identified within the anomaly (Figure 5). Additionally, a 1993 airborne radiometric survey has also defined an anomalous K/Th area that coincides with the 2022 magnetic anomaly. These two historical geophysical anomalies could be indicative of alteration associated with a deeper (buried) Cu-porphyry mineralization trend (Figure 5). The data compilation also showed that samples taken from the monzonite outcrops (within the magnetic anomaly) assayed up to 1.36% Cu (093A 118). Historical till sampling (completed by the BCGS) showed an increase in gold grains up-ice on the property (Figure 5), leaving a prospective open (unsampled) area down-ice. The prospective area (Figure 5) coincidently overlaps with the anomalous magnetic high, K/Th, and mapped monzonite outcrops.

Till Sampling Program – Results

The objective of the program was to follow up on the historical till sampling completed by the British Columbia Geological Survey (BCGS) and prospective target areas generated from the data compilation. The results of the program revealed promising gold values, with samples containing up to 49 and 30 recovered gold grains. The gold grains in the till samples are described as pristine, modified, and re-shaped, depending on the overall appearance of the grains.

Sample locations for 2023 exploration program targeted areas that reported elevated gold values and gold grains from the BCGS results. The aim of the field program was to understand the mineralization and constrain the gold potential in the area. A total of nine samples were collected on the property (Figure 6).

Nine till samples were sent to ALS Analytical for ICP-MS analysis. The analytical results from the till samples yielded low to marginally anomalous results for Cu and Zn for select samples from the Mount Polley West Property (see Table 4). See Appendix III for sampling and lab protocols and procedures.

A subsequent set of till samples were submitted to Overburden Drilling Management for gold grain and heavy mineral concentrate analysis and Cu-porphyry indicator minerals. See Table 4 for the total gold grain count and calculated Au (ppb) from the visible gold counts. See Appendix III for sampling and lab protocols and procedures.

Assay results for Cu were variable, ranging from 13.95 ppm to 82.4 ppm. Elevated Cu values were reported in samples EEMPT006 (53 ppm) and AWMPT003 (82.4 ppm). The measured gold grains in all nine till samples ranged from 2 to 52 grains. Samples that returned elevated gold grains were AWMPT001 (38 gold grains (GG)), AWMPT002 (46 GG), and EEMPT004 (52 GG), both higher than the BCGS anomalous samples in the area. Calculated Au (ppb) from the gold grain counts range between 20 to 831 ppb Au.

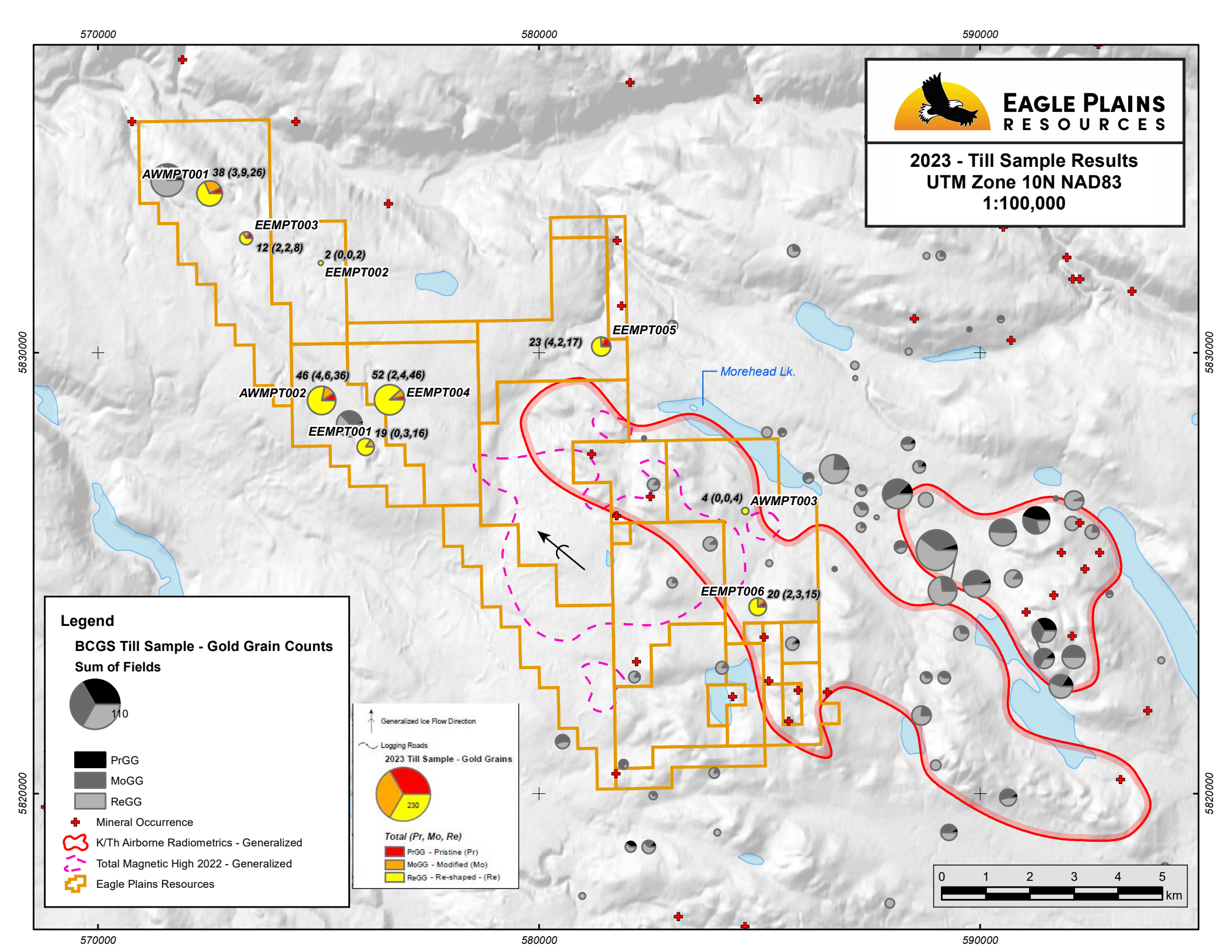
Porphyry copper alteration assemblages revealed augite/diopside-epidote assemblage for all samples.

Table 3: 2023 ICPMS results from a till sampling program on the Mount Polley West Property.

	Au	**Mo**	**Cu**	**Pb**	**Zn**	**Ag**	**Ni**	**Co**	**As**	**Sb**	**Hg**
	ppm	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
AWMPT001	0.0026	0.56	26.9	4.77	37.9	0.045	21.2	7.77	4.06	0.288	0.027
AWMPT002	0.001	0.42	14.85	3.32	23.7	0.05	14.45	4.69	2.41	0.148	0.015
AWMPT003	0.0035	0.5	82.4	7.76	48.5	0.025	22.7	12.15	9.83	0.735	0.092
EEMPT001	0.0029	0.35	23.6	3.54	26.3	0.026	14.55	6.57	4.03	0.257	0.019
EEMPT002	0.0013	0.86	39.7	4.79	43.2	0.187	23.8	10.45	4.47	0.33	0.05
EEMPT003	0.0012	0.39	13.95	3.61	30.9	0.06	12.7	5.56	1.52	0.155	0.016
EEMPT004	0.0012	0.37	26.4	3.84	26.4	0.033	13.45	6.05	3.2	0.218	0.025
EEMPT005	0.0076	0.41	34.1	3.61	34.8	0.021	11.2	7.63	7.98	0.275	0.055
EEMPT006	0.0028	0.47	53	5.57	41.8	0.015	22	12.4	6.73	0.485	0.073

Table 4: 2023 gold grain count results from till sampling on the Mount Polley West Property.

Sample Number	Number of Visible Gold Grains				Calculated PPB Visible Gold in HMC			
	Total	Reshaped	Modified	Pristine	Total	Reshaped	Modified	Pristine
AWMPT001	38	26	9	3	475	457	18	<1
AWMPT002	46	36	6	4	673	666	4	2
AWMPT003	4	4	0	0	11	11	0	0
EEMPT001	19	16	3	0	240	236	4	0
EEMPT002	2	2	0	0	20	20	0	0
EEMPT003	12	8	2	2	246	243	2	1
EEMPT004	52	46	4	2	831	827	4	<1
EEMPT005	23	17	2	4	120	119	1	<1
EEMPT006	20	15	3	2	47	44	2	1


570000
580000
590000
5830000
5820000
EAGLE PLAINS RESOURCES
2023 - Till Sample Results
UTM Zone 10N NAD83
1:100,000
AWMPT001 38 (3,9,26)
EEMPT003
12 (2,2,8)
2 (0,0,2)
EEMPT002
EEMPT005
23 (4,2,17)
Morehead Lk.
46 (4,6,36)
AWMPT002
52 (2,4,46)
EEMPT004
EEMPT001 19 (0,3,16)
4 (0,0,4) AWMPT003
EEMPT006 20 (2,3,15)
Legend
BCGS Till Sample - Gold Grain Counts
Sum of Fields
110
PrGG
MoGG
ReGG
Mineral Occurrence
K/Th Airborne Radiometrics - Generalized
Total Magnetic High 2022 - Generalized
Eagle Plains Resources
Generalized Ice Flow Direction
Logging Roads
2023 Till Sample - Gold Grains
230
Total (Pr, Mo, Re)
PrGG - Pristine (Pr)
MoGG - Modified (Mo)
ReGG - Re-shaped - (Re)
0 1 2 3 4 5
km

Conclusions

Previous to the 1-day field exploration program, a detailed data compilation was completed on the Mount Polley West Property. It was revealed that anomalous Cu and Au (mineral showings) are largely associated with an extensive zone of iron-carbonate alteration within monzonitic to quartz-monzonitic stocks. The presence of the Cu-Au mineral showings and widespread alteration observed in outcrop within the Mount Polley West geologic setting is considered highly permissive to host a porphyry system.

Historical work on the Mount Polley West claims have also shown that geochemical soil anomalies, most notably Cu-in-soil, are “erratic”, consisting of random highs with no discernable patterns. The BC Geological Survey surficial geology maps (e.g. Geoscience Map 2015-02) infer the Property is underlain by thick quaternary glacial sediments, which is a valid explanation of why soil geochemistry is not a good exploration method for this area.

Glacial till sampling can be a great geochemical sampling tool to identify evidence of mineralization underneath till layers. During till deposition, glacial flows scrape across the bedrock, liberating gold grains from potential Au-Cu deposits. The gold grains become suspended in the till that is left behind when the glacial ice melts; thus, forming a gold grain dispersal train, leading away from the south of the direction of the glacial ice.

The 2023 till sampling program on the Mount Polley West Property attempted to understand the extent of Cu and Au potential in the area. Priority sampling targeted areas up-ice of the BCGS regional till samples. Results of the BCGS work program highlighted two samples in the area with 49 and 30 recovered gold grains.

Assay results for Cu were variable, ranging from 13.95 ppm to 82.4 ppm. Elevated Cu values were reported in samples EEMPT006 (53 ppm) and AWMPT003 (82.4 ppm). The measured gold grains in all nine till samples ranged from 2 to 52 grains. Samples that returned elevated gold grains were AWMPT001 (38 gold grains (GG)), AWMPT002 (46 GG), and EEMPT004 (52 GG), both higher than the BCGS anomalous samples in the area. Calculated Au (ppb) from the gold grain counts range between 20 to 831 ppb Au.

The Mount Polley West property has the potential to host significant volcanic hosted Cu-Au mineralization. The historical Au and Cu occurrences that have been investigated on the Property and the presence of the Mount Polley Mine and the Gibraltar Mine to the east and west both indicate the great potential for a volcanic hosted Cu-Au system in the Mount Polley West Property.

Recommendations

Future exploration work completed on the Mount Polley West property should include:

- Evaluation and resampling of quartz-monzonitic rocks for lithogeochemical analysis.
- High density till sampling (oriented up-ice, to the north-west) at 100 – 500 m spacing.
- Geophysical surveys (e.g., IP, Magnetics) over coincident till samples (anomalous in Cu-Au) and historical Cu-Au mineral showings.

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VOLUME II

2023 TILL GEOCHEMISTRY ASSESSMENT REPORT

At the

MOUNT POLLEY WEST PROPERTY

Williams Lake Area, BC

Centre of Work:

UTM Zone 10N 0585738 mE, 5822030 mN (NAD83)
(NTS 093A-12)

Caribou Mining District

Prepared for:
Eagle Plains Resources Ltd.
Suite 200, 44-12th Ave. S.
Cranbrook BC, V1C 2R7

By:

Natalie McNeill
TerraLogic Exploration Inc.
Suite 200, 44-12th Ave. S.
Cranbrook, B.C. V1C 2R7

June 25th, 2024

VOLUME II

List of Appendices

APPENDIX I

Statement of Qualifications

Appendix I Statement of Qualifications

I, Natalie C. McNeil, in the city of ST. John's, in the Province of Newfoundland and Labrador, hereby certify that:

1) I am a graduate of Memorial University of Newfoundland with the degree of Master of Earth Science in Geology.
2) I am a graduate of Saint Mary's University with the degree of Bachelor of Science in Honours Geology.
3) I have practiced my profession with TerraLogic Exploration since June of 2022.
4) This report is based upon a personal examination of all available company and government reports pertinent to the Property.

Dated this 12th day of June, 2024, in St. John's, Newfoundland

APPENDIX II

Statement of Expenditures

Exploration Work type	Comment	Days			Totals
Personnel (Name)* / Position	**Field Days (list actual days)**	**Days**	**Rate**	**Subtotal***	
Evan Ellis		1.25	$550.00	$687.50	
Eric Morley		1.5	$725.00	$1,087.50	
Aaron Weaver		1.5	$550.00	$825.00	
Meghan Holowath		1.5	$662.50	$993.75	
				$3,593.75	**$3,593.75**
Office Studies	**List Personnel (note - Office only, do not include field days**				
Literature search	Brad Robison	2.20	$75.00	$165.00	
Database compilation	Meghan Holowath	110.0	$78.00	$8,580.00	
Report preparation	Natalie McNeill	158.5	$78.00	$12,363.00	
Report preparation	Michelle McKeough	3.5	$102.00	$357.00	
				$21,465.00	**$21,465.00**
Geochemical Surveying	**Number of Samples**	**No.**	**Rate**	**Subtotal**	
Till	*9*		$0.00	$5,817.50	
				$5,817.50	**$5,817.50**
Transportation		**No.**	**Rate**	**Subtotal**	
Airfare			$0.00	$0.00	
Taxi			$0.00		
Fuel	*Truck fuel*		$0.00	$248.10	
				$248.10	**$248.10**
Accommodation & Food	**Rates per day**				
Hotel			$0.00	$605.55	
Camp			$0.00	$0.00	
Meals	*Groceries + Restaurants*		$0.00	$748.48	
				$1,354.03	**$1,354.03**
Miscellaneous					
Consumables	*Sample bags*			$114.74	
Other (Specify)	*Disbursement fees*			$993.02	
				$1,107.76	**$1,107.76**
Equipment Rentals					
Field Gear (Specify)	Truck, field kit, drone, computer, DGPS		$0.00	$746.00	
Other (Specify)					
				$746.00	**$746.00**
Freight, rock samples					
			$0.00	$488.59	
				$488.59	**$488.59**
TOTAL Expenditures					**$34,820.73**

APPENDIX III

Geochemical Protocols

Appendix 3.1: TerraLogic Exploration Inc. Sampling Protocols

Till Sampling

Till sampling was conducted over the property for geochemical analysis and gold grain assessment, following procedures outlined by Plouffe and Ferbey (2016). The sample sites were typically along road-cuts, with some samples collected in forests with minimal underbrush. Pits approximately 1x1x1 m were dug using shovels and geotools, then coarse sifted to 1 cm into a bucket. Sample material was taken from depths of 50 to 120 cm. Two samples were collected at each site, a larger 10-15 kg sample for indicator mineral processing and a smaller 1-2 kg sample for geochemical analysis. All of the sample data was recorded in a field notebook with spatial locations obtained using a handheld GPS. Data collected for the samples included stratification, consolidation, jointing, fissility, oxidation, striation, drainage, and depositional mechanism. Notes on matrix mode, percentage and texture, as well as clast mode, size and angularity were also collected. Photos were taken of each till sample and pit dug. Upon return, sample notes were entered into a database using Microsoft Access. The samples were laid out and compared to the entries in the Access database to avoid any mistakes or discrepancies.

At the end of the program, samples in buckets were sorted and labelled with shipment number and shipping/receiving addresses. The samples were sent to ALS Geochemistry at 2103 Dollarton Hwy, North Vancouver, BC, V7H 0A7, and Overburden Drilling Management Ltd. (ODM) at Unit 107 – 15 Capella Court, Ottawa, ON, K2E 7X1, for processing.

Appendix 3.2: ALS Analytical Procedures

In 2023, a total of 9 till samples weighing 1-2 kg were sent for geochemical analysis by ALS Geochemistry, North Vancouver.

Once samples arrived at ALS, the till was dried and sieved to 0.063 mm (SCR-51), before undergoing an all-element analysis using lithium meta/tetraborate fusion by inductively couple plasma atomic emission spectrometry after the dissolution of the melt (ME-ICP06, TOT-ICP06).

They were then subjected to a multi-element ultra trace analysis using inductively couple plasma mass spectrometry in an aqua regia digest (ME-MS41W) and Li Borate fusion (ME-MS81).

The samples were also analyzed for loss on ignition at 1,000° C in a muffle furnace (OA-GRA05), and for total sulfur by oxidation using an induction furnace and infrared spectroscopy (S-IR08).

More detailed information regarding ALS analytical procedures can be found below.

Appendix 3.3: ODM Analytical Procedures

In 2023, a total of 9 till samples 10-15 kg large were sent to ODM, Ottawa, for indicator mineral processing and gold grain assessment.

At ODM, samples were panned for gold, PGMs and fine-grained metallic indicator minerals. Then, greater than 0.25 mm shaking table concentrates were refined by heavy liquid separation at S. G. 2.8 and 3.2 to obtain mid-density heavy mineral concentrates (MDCs and HMCs). After separation, clasts between 0.25-2.0 mm, and nonferromagnetic MDC and HMC clasts with S. G. greater than 3.2 were picked for porphyry copper indicator minerals. Clasts 1.0-2.0 mm, 0.5-1.0 mm, and nonparamagnetic (>1.0 amp) 0.25-0.5 mm HMC fractions were examined for scheelite by UV lamping.

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-MS81
Lithogeochemistry

Sample Decomposition:

Lithium Borate ($LiBO_2/Li_2B_4O_7$) Fusion (FUS-LI01)*

Analytical Method:

Inductively Coupled Plasma - Mass Spectroscopy (ICP - MS)

A prepared sample (0.100 g) is added to lithium metaborate/lithium tetraborate flux, mixed well and fused in a furnace at 1025°C. The resulting melt is then cooled and dissolved in an acid mixture containing nitric, hydrochloric and hydrofluoric acids. This solution is then analyzed by inductively coupled plasma - mass spectrometry.

Analyte	Symbol	Units	Lower Limit	Upper Limit
Barium	Ba	ppm	0.5	10000
Cerium	Ce	ppm	0.1	10000
Chromium	Cr	ppm	10	10000
Cesium	Cs	ppm	0.01	10000
Dysprosium	Dy	ppm	0.05	1000
Erbium	Er	ppm	0.03	1000
Europium	Eu	ppm	0.02	1000
Gallium	Ga	ppm	0.1	1000
Gadolinium	Gd	ppm	0.05	1000
Hafnium	Hf	ppm	0.1	10000
Holmium	Ho	ppm	0.01	1000
Lanthanum	La	ppm	0.1	10000
Lutetium	Lu	ppm	0.01	1000
Niobium	Nb	ppm	0.1	2500
Neodymium	Nd	ppm	0.1	10000
Praseodymium	Pr	ppm	0.02	1000
Rubidium	Rb	ppm	0.2	10000
Samarium	Sm	ppm	0.03	1000
Tin	Sn	ppm	1	10000
Strontium	Sr	ppm	0.1	10000

Analyte	Symbol	Units	Lower Limit	Upper Limit
Tantalum	Ta	ppm	0.1	2500
Terbium	Tb	ppm	0.01	1000
Thorium	Th	ppm	0.05	1000
Thallium	Tl	ppm	0.5	1000
Thulium	Tm	ppm	0.01	1000
Uranium	U	ppm	0.05	1000
Vanadium	V	ppm	5	10000
Tungsten	W	ppm	1	10000
Yttrium	Y	ppm	0.1	10000
Ytterbium	Yb	ppm	0.03	1000
Zirconium	Zr	ppm	2	10000

*__Note__: Minerals that may not recover fully using the lithium borate fusion include zircon, some metal oxides, some rare-earth phosphates and some sulphides. Basemetals also do not fully recover using this method.

Basemetals determined by either aqua regia or 4-acid digestion and ICP-AES may be added to the ME-MS81 package. See following page.

Addition of Basemetals

Sample Decomposition: Aqua Regia (GEO-AR01) or 4-Acid (GEO-4ACID)

Analytical Method: Inductively Coupled Plasma – Atomic Emission Spectroscopy (ICP-AES)

The lithium borate fusion is not the preferred method for the determination of base metals. Many sulfides and some metal oxides are only partially decomposed by the borate fusion and some elements such as cadmium and zinc can be volatilized.

Base metal and additional elements more appropriately analysed by acid digestion can be reported with ME-MS81 by either an aqua regia (**ME-AQ81**) or four acid digestion (**ME-4ACD81**). The four acid digestion is preferred when the targets include more resistive mineralization such as that associated with nickel and cobalt. Mercury is only offered with the aqua regia digestion.

ME-4ACD81

Analyte	Symbol	Units	Lower Limit	Upper Limit
Silver	Ag	ppm	0.5	100
Arsenic	As	ppm	5	10000
Cadmium	Cd	ppm	0.5	1000
Cobalt	Co	ppm	1	10000
Copper	Cu	ppm	1	10000
Lithium	Li	ppm	10	10000
Molybdenum	Mo	ppm	1	10000
Nickel	Ni	ppm	1	10000
Lead	Pb	ppm	2	10000
Scandium	Sc	ppm	1	10000
Zinc	Zn	ppm	2	10000

ME-AQ81

Note: Mercury is only available via the aqua regia digestion

Analyte	Symbol	Units	Lower Limit	Upper Limit
Silver	Ag	ppm	0.5	100
Arsenic	As	ppm	5	10000
Cadmium	Cd	ppm	0.5	1000
Cobalt	Co	ppm	1	10000
Copper	Cu	ppm	1	10000
Mercury	Hg	ppm	1	10000
Molybdenum	Mo	ppm	1	10000
Nickel	Ni	ppm	1	10000
Lead	Pb	ppm	2	10000
Zinc	Zn	ppm	2	10000

Assay Procedure – OA-GRA05x, OA-GRA05xc, OA-GRA05xh
Loss on Ignition (LOI)

Sample Decomposition: Furnace
Analytical Method: Gravimetric

OA-GRA05x

LOI for XRF methods. A prepared sample is pre-dried at 105ºC for a minimum of 1 hour then placed in a muffle furnace at 1000ºC for one hour, cooled and then weighed. The percent loss on ignition is calculated from the difference in weight. LOI results based on dried samples.

OA-GRA05xc
Manual LOI for DTR Conc.

OA-GRA05xh
Manual LOI for DTR Head

Method Code	Analyte	Symbol	Units	Lower Limit	Upper Limit
OA-GRA05x	Loss on Ignition	LOI	%	0.01	100
OA-GRA05xc	Loss on Ignition	LOI	%	0.01	100
OA-GRA05xh	Loss on Ignition	LOI	%	0.01	100

APPENDIX IV

Sample Locations & Data

samp_num	e_utm	n_utm	depth_cm	consolidation	jointing	fissility	oxidation
AWMPT001	572527	5833611	30	compact	weak	occasional	1
AWMPT002	575070	5828915	40	compact	none	rare	1
AWMPT003	584674	5826411	35	compact	weak	rare	2
EEMPT001	576067	5827864	45	moderate	none	none	0
EEMPT002	575051	5832036	25	loose	none	none	2
EEMPT003	573356	5832596	30	loose	none	none	0
EEMPT004	576605	5828933	110	moderate	none	none	2
EEMPT005	581409	5830140	35	moderate	none	rare	2
EEMPT006	584957	5824235	30	moderate	none	rare	2

APPENDIX V

Analytical Certificates

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: TERRALOGIC EXPLORATION SERVICES INC.
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 15-DEC-2023
Account: TELOEX

CERTIFICATE VA23316352

Project: Mt Polley West Project

P.O. No.: MP2023-1

This report is for 9 samples of Till submitted to our lab in Vancouver, BC, Canada on 16-OCT-2023.

The following have access to data associated with this certificate:

VANESSA BEACH	JESSE CAMPBELL	MEGHAN HOLOWATH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
DRY-22	Drying - Maximum Temp 60C
SCR-51	Screening

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP06	Whole Rock Package - ICP-AES	ICP-AES
OA-GRA05	Loss on Ignition at 1000C	WST-SEQ
ME-MS81	Lithium Borate Fusion ICP-MS	ICP-MS
TOT-ICP06	Total Calculation for ICP06	
S-IR08	Total Sulphur (IR Spectroscopy)	LECO
ME-MS41W	Super Trace Modified Weak AR by 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 *****

Comments: PROJECT NAME: Mt Polley West Project-MP23-001

Signature:

Saa Traxler, Director, North Vancouver Operations

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44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 15-DEC-2023
Account: TELOEX

Project: Mt Polley West Project

CERTIFICATE OF ANALYSIS VA23316352

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	SCR-51 WT.+63um g 0.1	SCR-51 WT.-63um g 0.1	S-IR08 S % 0.01	ME-MS41W Au ppm 0.0002	ME-MS41W Ag ppm 0.001	ME-MS41W Al % 0.01	ME-MS41W As ppm 0.01	ME-MS41W B ppm 10	ME-MS41W Ba ppm 0.5	ME-MS41W Be ppm 0.01	ME-MS41W Bi ppm 0.0005	ME-MS41W Ca % 0.01	ME-MS41W Cd ppm 0.001	ME-MS41W Ce ppm 0.003
AWMPT001		2.02	1724.5	164.4	<0.01	0.0026	0.045	1.12	4.06	<10	94.8	0.30	0.0787	0.38	0.050	14.50
AWMPT002		1.98	1442.0	393.9	<0.01	0.0010	0.050	0.90	2.41	<10	59.6	0.24	0.0460	0.26	0.043	11.30
AWMPT003		2.82	2491	129.3	<0.01	0.0035	0.025	1.86	9.83	<10	228	0.60	0.0766	0.66	0.094	19.30
EEMPT001		4.04	3300	533.0	<0.01	0.0029	0.026	1.08	4.03	<10	82.1	0.29	0.0473	0.32	0.034	13.55
EEMPT002		5.02	4766	144.4	0.01	0.0013	0.187	1.97	4.47	<10	146.5	0.46	0.1620	0.31	0.065	8.42
EEMPT003		4.38	3713	280.9	<0.01	0.0012	0.060	0.87	1.52	<10	60.1	0.20	0.0527	0.26	0.070	10.05
EEMPT004		4.56	3808	405.4	<0.01	0.0012	0.033	1.25	3.20	<10	85.3	0.31	0.0567	0.35	0.035	13.85
EEMPT005		3.86	3058	594.2	<0.01	0.0076	0.021	1.59	7.98	<10	109.5	0.38	0.0372	0.65	0.050	16.95
EEMPT006		4.38	3838	221.3	<0.01	0.0028	0.015	1.35	6.73	<10	108.0	0.45	0.0637	0.73	0.067	21.9

Comments: PROJECT NAME: Mt Polley West Project-MP23-001

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

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SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 15-DEC-2023
Account: TELOEX

Project: Mt Polley West Project

CERTIFICATE OF ANALYSIS VA23316352

Sample Description	Method	ME-MS41W	ME-MS41W	ME-MS41W	ME-MS41W	ME-MS41W	ME-MS41W	ME-MS41W	ME-MS41W	ME-MS41W	ME-MS41W	ME-MS41W	ME-MS41W	ME-MS41W	ME-MS41W	ME-MS41W
	Analyte	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
	LOD	0.001	0.01	0.005	0.01	0.001	0.004	0.005	0.002	0.004	0.005	0.01	0.002	0.1	0.01	0.1
AWMPT001		7.77	33.2	0.602	26.9	2.35	3.21	0.043	0.075	0.027	0.013	0.07	7.51	10.6	0.52	296
AWMPT002		4.69	26.0	0.650	14.85	1.590	2.61	0.024	0.021	0.015	0.007	0.03	5.81	7.3	0.28	168.5
AWMPT003		12.15	32.5	2.33	82.4	3.21	4.86	0.055	0.088	0.092	0.017	0.13	8.92	13.1	0.78	618
EEMPT001		6.57	29.1	0.566	23.6	2.24	2.89	0.034	0.034	0.019	0.010	0.03	5.68	7.7	0.35	213
EEMPT002		10.45	32.6	1.705	39.7	3.00	4.88	0.030	0.092	0.050	0.017	0.10	3.87	11.9	0.57	308
EEMPT003		5.56	21.2	0.575	13.95	1.610	2.76	0.027	0.016	0.016	0.009	0.04	5.24	9.4	0.33	167.0
EEMPT004		6.05	26.0	0.749	26.4	2.06	3.19	0.034	0.034	0.025	0.015	0.04	6.93	8.3	0.37	242
EEMPT005		7.63	25.0	0.695	34.1	2.77	4.63	0.068	0.132	0.055	0.016	0.06	7.40	8.0	0.40	357
EEMPT006		12.40	36.9	1.305	53.0	2.89	3.97	0.066	0.128	0.073	0.016	0.12	10.85	11.9	0.80	491

Comments: PROJECT NAME: Mt Polley West Project-MP23-001

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

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To: TERRALOGIC EXPLORATION SERVICES INC.
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 15-DEC-2023
Account: TELOEX

Project: Mt Polley West Project

CERTIFICATE OF ANALYSIS VA23316352

Sample Description	Method	ME-MS41W	ME-MS41W	ME-MS41W	ME-MS41W	ME-MS41W	ME-MS41W	ME-MS41W	ME-MS41W	ME-MS41W	ME-MS41W	ME-MS41W	ME-MS41W	ME-MS41W	ME-MS41W	ME-MS41W
	Analyte	Mo	Na	Nb	Ni	P	Pb	Pd	Pt	Rb	Re	S	Sb	Sc	Se	Sn
	Units	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOD	0.01	0.001	0.002	0.04	0.001	0.005	0.001	0.002	0.005	0.0002	0.01	0.005	0.005	0.003	0.01
AWMPT001		0.56	0.010	0.327	21.2	0.066	4.77	0.002	<0.002	6.34	0.0002	<0.01	0.288	3.97	0.105	0.21
AWMPT002		0.42	0.008	0.397	14.45	0.060	3.32	<0.001	<0.002	3.71	0.0002	<0.01	0.148	1.920	0.060	0.16
AWMPT003		0.50	0.018	0.261	22.7	0.113	7.76	0.006	0.002	10.65	0.0003	<0.01	0.735	6.29	0.105	0.33
EEMPT001		0.35	0.009	0.441	14.55	0.061	3.54	0.001	<0.002	3.52	<0.0002	<0.01	0.257	2.59	0.065	0.22
EEMPT002		0.86	0.010	0.487	23.8	0.109	4.79	0.006	<0.002	8.13	<0.0002	<0.01	0.330	3.35	0.077	0.42
EEMPT003		0.39	0.007	0.515	12.70	0.031	3.61	0.002	<0.002	6.00	<0.0002	<0.01	0.155	2.03	0.043	0.22
EEMPT004		0.37	0.009	0.348	13.45	0.079	3.84	<0.001	<0.002	3.95	<0.0002	<0.01	0.218	3.61	0.062	0.23
EEMPT005		0.41	0.010	0.205	11.20	0.067	3.61	0.005	<0.002	6.24	0.0002	<0.01	0.275	5.97	0.067	0.24
EEMPT006		0.47	0.009	0.592	22.0	0.150	5.57	0.005	<0.002	9.46	0.0002	<0.01	0.485	5.65	0.081	0.37

Comments: PROJECT NAME: Mt Polley West Project-MP23-001

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

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To: TERRALOGIC EXPLORATION SERVICES INC.
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Finalized Date: 15-DEC-2023
Account: TELOEX

Project: Mt Polley West Project

CERTIFICATE OF ANALYSIS VA23316352

Sample Description	Method	ME-MS41W	ME-MS41W	ME-MS41W	ME-MS41W	ME-MS41W	ME-MS41W	ME-MS41W	ME-MS41W	ME-MS41W	ME-MS41W	ME-MS41W	ME-MS41W	ME-MS81	ME-MS81	ME-MS81
	Analyte	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr	Ba	Ce	Cr
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.01	0.005	0.003	0.002	0.001	0.001	0.005	0.1	0.001	0.003	0.1	0.01	0.5	0.1	5
AWMPT001		27.4	<0.005	0.015	1.940	0.068	0.052	0.329	53.2	0.085	4.73	37.9	3.48	865	61.5	128
AWMPT002		18.35	<0.005	0.006	1.450	0.049	0.023	0.344	45.0	0.084	3.02	23.7	1.05	708	62.3	113
AWMPT003		59.6	<0.005	0.035	2.41	0.050	0.050	0.488	79.6	0.185	7.10	48.5	4.22	1085	51.4	98
EEMPT001		24.7	<0.005	0.009	1.500	0.064	0.024	0.296	65.0	0.111	3.19	26.3	1.97	839	57.6	129
EEMPT002		34.1	<0.005	0.020	1.460	0.061	0.037	0.287	80.6	0.180	2.54	43.2	3.81	902	35.7	124
EEMPT003		17.45	<0.005	0.005	0.865	0.052	0.027	0.278	41.9	0.066	2.67	30.9	0.87	750	46.7	113
EEMPT004		25.3	<0.005	0.011	1.595	0.063	0.028	0.320	56.4	0.114	4.22	26.4	2.02	783	48.8	116
EEMPT005		69.3	<0.005	0.012	1.650	0.095	0.032	0.442	89.5	0.157	6.14	34.8	5.57	1160	44.2	90
EEMPT006		49.0	<0.005	0.017	2.61	0.070	0.048	0.466	75.5	0.179	7.31	41.8	5.78	958	55.7	132

Comments: PROJECT NAME: Mt Polley West Project-MP23-001

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

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: +1 604 984 0221 Fax: +1 604 984 0218
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To: TERRALOGIC EXPLORATION SERVICES INC.
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 15-DEC-2023
Account: TELOEX

Project: Mt Polley West Project

CERTIFICATE OF ANALYSIS VA23316352

Sample Description	Method	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81
	Analyte	Cs	Dy	Er	Eu	Ga	Gd	Hf	Ho	La	Lu	Nb	Nd	Pr	Rb	Sc
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.01	0.05	0.03	0.02	0.1	0.05	0.05	0.01	0.1	0.01	0.05	0.1	0.02	0.2	0.5
AWMPT001		2.15	4.27	2.50	1.32	14.9	4.80	7.15	0.91	30.9	0.38	17.70	28.2	7.23	60.3	19.8
AWMPT002		1.74	4.22	2.41	1.22	11.8	4.66	8.66	0.88	32.4	0.40	14.75	27.1	7.41	46.0	18.0
AWMPT003		4.27	3.96	2.30	1.18	15.9	4.42	5.64	0.80	26.2	0.35	10.85	22.7	6.15	86.3	22.1
EEMPT001		1.49	4.03	2.56	1.10	11.0	4.32	8.22	0.83	27.5	0.38	12.45	24.4	6.70	49.2	17.8
EEMPT002		3.58	3.09	1.86	0.82	15.5	3.06	6.00	0.63	17.7	0.28	9.40	15.0	4.01	53.5	18.4
EEMPT003		1.88	3.39	1.99	1.04	11.9	3.89	6.30	0.69	23.9	0.32	11.30	20.9	5.66	53.7	17.7
EEMPT004		1.88	3.57	2.35	1.04	12.0	4.20	7.14	0.81	25.1	0.35	10.60	21.5	5.95	49.1	18.3
EEMPT005		1.83	3.85	2.35	1.08	14.2	3.87	6.46	0.83	21.8	0.36	8.56	19.4	5.15	56.3	19.0
EEMPT006		2.62	4.46	2.50	1.32	15.0	4.72	5.95	0.90	30.0	0.35	10.80	24.6	6.67	75.7	21.8

Comments: PROJECT NAME: Mt Polley West Project-MP23-001

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To: TERRALOGIC EXPLORATION SERVICES INC.
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 15-DEC-2023
Account: TELOEX

Project: Mt Polley West Project

CERTIFICATE OF ANALYSIS VA23316352

Sample Description	Method	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-ICP06
	Analyte	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tm	U	V	W	Y	Yb	Zr	SiO2
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOD	0.03	0.5	0.1	0.1	0.01	0.05	0.01	0.01	0.05	5	0.5	0.1	0.03	1	0.01
AWMPT001		5.62	1.6	368	0.8	0.75	7.03	0.61	0.37	2.55	151	1.5	22.9	2.50	264	67.8
AWMPT002		5.50	1.3	382	0.8	0.73	7.39	0.62	0.37	2.39	136	1.8	23.7	2.57	336	71.6
AWMPT003		4.49	1.3	457	0.6	0.67	6.08	0.52	0.35	2.21	191	1.8	21.9	2.30	215	58.5
EEMPT001		4.73	1.2	441	0.8	0.69	6.71	0.63	0.37	2.26	163	1.6	22.6	2.46	314	70.9
EEMPT002		3.02	1.2	477	0.5	0.50	4.43	0.58	0.27	1.68	186	1.2	17.8	1.87	223	60.8
EEMPT003		4.32	1.4	376	0.7	0.57	5.23	0.60	0.30	1.89	132	1.4	18.7	1.98	246	69.5
EEMPT004		4.57	1.1	408	0.7	0.63	5.74	0.59	0.31	1.96	143	1.3	21.4	2.30	271	69.0
EEMPT005		4.32	1.1	478	0.6	0.60	4.92	0.57	0.33	1.92	189	57.6	20.6	2.37	239	63.3
EEMPT006		5.41	1.5	550	0.6	0.71	6.29	0.57	0.33	1.95	187	2.4	23.1	2.31	233	61.0

Comments: PROJECT NAME: Mt Polley West Project-MP23-001

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To: TERRALOGIC EXPLORATION SERVICES INC.
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 15-DEC-2023
Account: TELOEX

Project: Mt Polley West Project

CERTIFICATE OF ANALYSIS VA23316352

Sample Description	Method	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	OA-GRA05	TOT-ICP06
	Analyte	Al2O3	Fe2O3	CaO	MgO	Na2O	K2O	Cr2O3	TiO2	MnO	P2O5	SrO	BaO	LOI	Total
	Units	%	%	%	%	%	%	%	%	%	%	%	%	%	%
	LOD	0.01	0.01	0.01	0.01	0.01	0.01	0.002	0.01	0.01	0.01	0.01	0.01	0.01	0.01
AWMPT001		13.50	5.20	2.49	1.79	2.74	2.03	0.015	0.92	0.07	0.17	0.05	0.09	3.82	100.69
AWMPT002		11.50	4.22	2.52	1.46	2.52	1.72	0.013	0.91	0.06	0.15	0.04	0.07	2.94	99.72
AWMPT003		16.00	6.82	2.96	2.18	2.34	3.36	0.011	0.77	0.12	0.27	0.05	0.12	5.49	98.99
EEMPT001		12.30	5.26	2.54	1.52	2.68	2.03	0.015	0.91	0.07	0.15	0.05	0.09	3.31	101.83
EEMPT002		14.90	6.44	2.76	2.10	2.69	2.11	0.014	0.84	0.08	0.25	0.05	0.10	6.62	99.75
EEMPT003		12.30	4.29	2.46	1.46	2.77	1.84	0.013	0.91	0.06	0.10	0.05	0.08	3.89	99.72
EEMPT004		12.35	4.70	2.42	1.50	2.59	1.98	0.013	0.88	0.07	0.18	0.05	0.09	4.13	99.95
EEMPT005		14.90	6.51	2.78	1.48	3.30	2.40	0.010	0.85	0.09	0.15	0.06	0.13	3.77	99.73
EEMPT006		14.25	6.44	3.37	2.35	2.38	3.15	0.016	0.83	0.10	0.34	0.07	0.10	5.35	99.75

Comments: PROJECT NAME: Mt Polley West Project-MP23-001

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To: TERRALOGIC EXPLORATION SERVICES INC.
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 15-DEC-2023
Account: TELOEX

Project: Mt Polley West Project

CERTIFICATE OF ANALYSIS VA23316352

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

DRY-22	LOG-22	ME-ICP06	ME-MS41W
ME-MS81	OA-GRA05	SCR-51	S-IR08
TOT-ICP06	WEI-21		

Exploring Heavy Minerals

Overburden Drilling Management Limited
Unit 107, 15 Capella Court
Nepean, Ontario, Canada, K2E 7X1
Tel: (613) 226-1771 Fax: (613) 226-8753
odm@storm.ca www.odm.ca

Laboratory Data Report

Client Information

Terralogic Exploration Inc.
Suite 200, 44 - 12th Ave. S.
Cranbrook, BC
V1C 2R7

mph@terralogicexploration.com	jtc@terralogicexploration.com
Attention: Meghan Holowath	Jesse Campbell

Data-File Information

Date:	December 21, 2023
Project name:	
ODM batch number:	3115
Sample numbers:	AWMPT001 to AWMPT003, EEMPT001 to EEMPT006, EEWJT001 to EEWJT005, EMWJT001 to EMWJT003
Data file:	20233115 - Terralogic - Holowath - (PCIM) - Dec 21, 2023 - Final
Number of samples in this report:	17
Number of samples processed to date:	17
Total number of samples in project:	
Preliminary data:	
Final data:	X
Revised data:	

Samples Processed For: Gold, PCIM

Processing Specifications:

1. Submitted by client: Till and sand / gravel samples.
2. One ±300 g archival split taken from each sample.
3. All samples panned for gold, PGMs and fine-grained metallic indicator minerals.
4. +0.25 mm shaking table concentrates refined by heavy liquid separation at S.G. 2.8 and 3.2 to obtain mid-density heavy mineral concentrates (MDCs and HMCs).
5. 0.25-2.0 mm S.G. 2.8 to 3.2 and >3.2 nonferromagnetic MDCs and HMCs picked for porphyry Cu indicator minerals.
6. 1.0-2.0, 0.5-1.0 mm and nonparamagnetic (>1.0 amp) 0.25-0.5 mm HMC fractions examined for scheelite by UV lamping.

Notes

Mike Crawford
Laboratory Manager

Primary Sample Processing Weights and Descriptions

Client: Terralogic Exploration Inc.
File Name: 20233115 - Terralogic - Holowath - (PCIM) - Dec 21, 2023 - Final
Total Number of Samples in this Report: 17
ODM Batch Number(s): 3115

	Weight (kg wet)					Screening and Shaking Table Sample Descriptions												
						Clasts (+2.0 mm)					Matrix (-2.0 mm)							
							Percentage				Distribution					Colour		
Sample Number	Bulk Rec'd	Archived Split	Table Split	+2.0 mm Clasts	-2.0 mm Table Feed	Size	V/S	GR	LS	OT*	S/U	SD	ST	CY	ORG	SD	CY	Class
AWMPT001	14.0	0.3	13.7	1.8	11.9	P	80	20	0	TR	U	+	Y	-	N	OC	OC	TILL
AWMPT002	15.2	0.3	14.9	2.2	12.7	P	90	10	0	TR	U	Y	Y	Y	N	OC	OC	TILL
AWMPT003	15.0	0.3	14.7	3.3	11.4	P	90	10	0	TR	U	+	Y	-	N	OC	OC	TILL
EEMPT001	11.6	0.3	11.3	1.7	9.6	P	90	10	0	TR	U	+	Y	-	N	BN	BN	TILL
EEMPT002	20.0	0.3	19.7	10.7	9.0	G	90	10	0	TR	S	MC	N	N	N	OC	NA	SAND + GRAVEL
EEMPT003	10.7	0.3	10.4	3.4	7.0	P	90	10	0	TR	U	+	Y	-	N	OC	OC	TILL
EEMPT004	13.8	0.3	13.5	2.1	11.4	P	90	10	0	TR	U	+	Y	-	N	OC	OC	TILL
EEMPT005	15.1	0.3	14.8	3.9	10.9	P	90	10	0	TR	U	+	Y	-	N	BR	BR	TILL
EEMPT006	13.1	0.3	12.8	1.4	11.4	P	90	10	0	TR	U	+	Y	-	N	OC	OC	TILL
EEWJT001	11.4	0.3	11.1	4.4	6.7	P	85	15	0	TR	U	+	Y	-	N	OC	OC	TILL
EEWJT002	12.1	0.3	11.8	4.1	7.7	P	85	15	0	TR	U	+	Y	-	N	OC	OC	TILL
EEWJT003	12.3	0.3	12.0	2.7	9.3	P	100	0	0	TR	U	+	Y	-	N	OC	OC	TILL
EEWJT004	12.2	0.3	11.9	4.6	7.3	P	90	10	0	TR	U	+	Y	-	N	OC	OC	TILL
EEWJT005	10.4	0.3	10.1	3.7	6.4	P	90	10	0	TR	U	+	Y	-	N	DOC	DOC	TILL
EMWJT001	11.8	0.3	11.5	4.3	7.2	P	90	10	0	TR	U	+	Y	-	N	BN	BN	TILL
EMWJT002	11.8	0.3	11.5	5.9	5.6	P	95	5	0	TR	U	+	Y	-	N	OC	OC	TILL
EMWJT003	15.0	0.3	14.7	5.3	9.4	P	90	10	0	TR	U	+	Y	-	N	OC	OC	TILL

*Clasts listed as OT are Quartz.

Gold Grain Summary

Client: Terralogic Exploration Inc.
File Name: 20233115 - Terralogic - Holowath - (PCIM) - Dec 21, 2023 - Final
Total Number of Samples in this Report: 17
ODM Batch Number(s): 3115

	Number of Visible Gold Grains				Nonmag HMC	Calculated PPB Visible Gold in HMC			
Sample Number	Total	Reshaped	Modified	Pristine	Weight*	Total	Reshaped	Modified	Pristine
AWMPT001	38	26	9	3	47.6	475	457	18	<1
AWMPT002	46	36	6	4	50.8	673	666	4	2
AWMPT003	4	4	0	0	45.6	11	11	0	0
EEMPT001	19	16	3	0	38.4	240	236	4	0
EEMPT002	2	2	0	0	36.0	20	20	0	0
EEMPT003	12	8	2	2	28.0	246	243	2	1
EEMPT004	52	46	4	2	45.6	831	827	4	<1
EEMPT005	23	17	2	4	43.6	120	119	1	<1
EEMPT006	20	15	3	2	45.6	47	44	2	1
EEWJT001	7	6	1	0	26.8	12	11	1	0
EEWJT002	18	14	3	1	30.8	249	222	28	<1
EEWJT003	3	3	0	0	37.2	28	28	0	0
EEWJT004	2	2	0	0	29.2	7	7	0	0
EEWJT005	0	0	0	0	25.6	0	0	0	0
EMWJT001	4	2	2	0	28.8	22	19	3	0
EMWJT002	3	2	1	0	22.4	971	968	3	0
EMWJT003	5	5	0	0	37.6	439	439	0	0

* Calculated PPB Au based on assumed nonmagnetic HMC weight equivalent to 0.4% of the table feed.

Detailed Gold Grain Data

Client: Terralogic Exploration Inc.
File Name: 20233115 - Terralogic - Holowath - (PCIM) - Dec 21, 2023 - Final
Total Number of Samples in this Report: 17
ODM Batch Number(s): 3115

Sample Number	Dimensions (µm) Thickness		Width	Length	Number of Visible Gold Grains Reshaped	Modified	Pristine	Total	Nonmag HMC Weight* (g)	Calculated V.G. Assay in HMC (ppb)	Metallic Minerals in Pan Concentrate
AWMPT001	3	C	15	15	3	1	3	7		1	Tr (6 grains) cinnabar (25 µm).
	5	C	25	25	11	3		14		7	
	8	C	25	50	5	3		8		12	
	10	C	50	50	3	1		4		16	
	13	C	50	75	1	1		2		15	
	15	C	50	100	1			1		12	
	27	C	125	150	1			1		80	
	42	C	200	250	1			1		332	
								38	47.6	475	
AWMPT002	3	C	15	15	5	1	2	8		1	Tr (5 grains) cinnabar (25-50 µm).
	5	C	25	25	17	3	1	21		10	
	8	C	25	50	6	2	1	9		13	
	10	C	25	75	1			1		3	
	10	C	50	50	1			1		4	
	18	C	75	100	1			1		19	
	20	C	75	125	2			2		55	
	50	M	100	300	1			1		221	
	50	M	125	125	1			1		115	
	50	M	125	250	1			1		231	
								46	50.8	673	
AWMPT003	5	C	25	25	2			2		1	Tr (~10 grains) cinnabar (25-50 µm).
	8	C	25	50	1			1		2	
	13	C	50	75	1			1		8	
								4	45.6	11	
EEMPT001	3	C	15	15	1	1		2		<1	Tr (2 grains) cinnabar (25-50 µm).
	5	C	25	25	4			4		3	
	8	C	25	50	2	2		4		8	
	10	C	50	50	1			1		5	
	13	C	50	75	6			6		56	
	15	C	50	100	1			1		15	
	31	C	125	200	1			1		154	
								19	38.4	240	
EEMPT002	8	C	25	50	1			1		2	No sulphides.
	15	C	75	75	1			1		18	
								2	36.0	20	
EEMPT003	3	C	15	15			1	1		<1	No sulphides.
	5	C	25	25	5	2	1	8		7	
	8	C	25	50	1			1		3	
	18	C	75	100	1			1		35	
	25	M	150	200	1			1		201	
								12	28.0	246	
EEMPT004	3	C	15	15	12		2	14		2	Tr (3 grains) cinnabar (25-50 µm).
	5	C	25	25	23	2		25		13	
	8	C	25	50	6	2		8		13	
	10	C	25	75	1			1		3	
	13	C	50	75	1			1		8	
	18	C	75	100	1			1		22	
	50	M	150	275	1			1		339	
	50	M	175	300	1			1		432	
								52	45.6	831	

* Calculated PPB Au based on assumed nonmagnetic HMC weight equivalent to 0.4% of the table feed.

Detailed Gold Grain Data

Client: Terralogic Exploration Inc.
File Name: 20233115 - Terralogic - Holowath - (PCIM) - Dec 21, 2023 - Final
Total Number of Samples in this Report: 17
ODM Batch Number(s): 3115

Sample Number	Dimensions (µm) Thickness		Width	Length	Number of Visible Gold Grains Reshaped	Modified	Pristine	Total	Nonmag HMC Weight* (g)	Calculated V.G. Assay in HMC (ppb)	Metallic Minerals in Pan Concentrate
EEMPT005	3	C	15	15	1		4	5		1	Tr (1 grain) cinnabar (25 µm).
	5	C	25	25	7	2		9		5	
	8	C	25	50	3			3		5	
	10	C	50	50	3			3		13	
	20	C	75	125	3			3		97	
								23	43.6	121	
EEMPT006	3	C	15	15	3	1	1	5		1	Tr (~10 grains) cinnabar (25-50 µm).
	5	C	25	25	5	1	1	7		4	
	8	C	25	50	2	1		3		5	
	10	C	25	75	1			1		3	
	10	C	50	50	2			2		8	
	15	C	50	100	1			1		12	
	15	C	75	75	1			1		14	
								20	45.6	47	
EEWJT001	3	C	15	15	3			3		1	Tr (5 grains) cinnabar (25-50 µm).
	5	C	25	25		1		1		1	
	8	C	25	50	2			2		5	
	10	C	25	75	1			1		5	
								7	26.8	12	
EEWJT002	3	C	15	15	1		1	2		<1	No sulphides.
	5	C	25	25	4	1		5		4	
	8	C	25	50	2			2		5	
	10	C	50	50	2	1		3		19	
	15	C	50	100	1			1		18	
	20	C	50	150	1			1		37	
	15	C	75	75		1		1		21	
	20	C	100	100	3			3		146	
								18	30.8	250	
EEWJT003	5	C	25	25	2			2		1	No sulphides.
	18	C	75	100	1			1		27	
								3	37.2	28	
EEWJT004	3	C	15	15	1			1		<1	No sulphides.
	10	C	50	50	1			1		7	
								2	29.2	7	
EEWJT005	No Visible Gold										No sulphides.
EMWJT001	5	C	25	25		1		1		1	Tr (1 grain) cinnabar (25 µm).
	8	C	25	50		1		1		3	
	10	C	50	50	1			1		7	
	13	C	50	75	1			1		12	
								4	28.8	22	
EMWJT002	8	C	25	50		1		1		3	Tr (1 grain) cinnabar (25 µm).
	13	C	50	75	1			1		16	
	50	M	175	325	1			1		952	
								3	22.4	971	
EMWJT003	5	C	25	25	1			1		1	No sulphides.
	8	C	25	50	1			1		2	
	25	M	100	150	1			1		75	
	25	M	125	125	1			1		78	
	25	M	175	325	1			1		284	
								5	37.6	439	

* Calculated PPB Au based on assumed nonmagnetic HMC weight equivalent to 0.4% of the table feed.

Heavy Mineral Concentrate Processing Weights

Client: Terralogic Exploration Inc.
File Name: 20233115 - Terralogic - Holowath - (PCIM) - Dec 21, 2023 - Final
Total Number of Samples in this Report: 17
ODM Batch Number(s): 3115

	Weight of -2.0 mm Table Concentrate (g)																
			0.25-2.0 mm Heavy Liquid Separation at S.G 2.8 and 3.2														
								Nonferromagnetic Fraction at S.G 2.8 to 3.2				Nonferromagnetic Fraction at S.G >3.2					
													Processed Split				
													Total				
Sample Number	Total	-0.25 mm	Total	Lights S.G <2.8	HMC S.G.>2.8	-0.25 mm (wash)	Mag HMC	Total	0.25 to 0.5 mm	0.5 to 1.0 mm	1.0 to 2.0 mm	Total	%	Weight	0.25 to 0.5 mm	0.5 to 1.0 mm	1.0 to 2.0 mm
AWMPT001	1570.7	921.8	648.9	545.6	103.3	17.0	10.6	51.6	25.3	18.4	7.9	24.1	100.0	24.1	17.9	5.3	0.9
AWMPT002	1295.5	730.3	565.2	493.6	71.6	9.0	8.7	31.5	14.1	11.4	6.0	22.4	100.0	22.4	18.2	3.7	0.5
AWMPT003	1342.6	845.5	497.1	364.0	133.1	22.3	20.6	58.6	34.4	19.7	4.5	31.6	63.3	20.0	14.8	4.8	0.4
EEMPT001	955.8	674.4	281.4	217.1	64.3	8.0	7.5	22.3	8.4	6.7	7.2	26.5	75.5	20.0	16.4	3.2	0.4
EEMPT002	1022.5	479.4	543.1	334.9	208.2	19.9	26.5	51.8	34.7	12.6	4.5	110.0	18.2	20.0	15.2	4.3	0.5
EEMPT003	984.1	561.4	422.7	362.1	60.6	7.9	6.7	22.1	8.9	7.2	6.0	23.9	100.0	23.9	18.0	4.7	1.2
EEMPT004	1155.7	605.4	550.3	500.8	49.5	6.1	5.5	16.1	7.1	6.0	3.0	21.8	100.0	21.8	17.4	3.7	0.7
EEMPT005	1438.0	791.0	647.0	589.7	57.3	5.2	10.5	20.3	7.7	6.4	6.2	21.3	100.0	21.3	16.4	4.2	0.7
EEMPT006	800.6	672.3	128.3	55.0	73.3	12.4	9.1	13.4	6.5	2.4	4.5	38.4	52.1	20.0	14.2	5.2	0.6
EEWJT001	839.2	469.6	369.6	313.3	56.3	7.0	7.5	23.3	5.9	8.7	8.7	18.5	100.0	18.5	13.4	4.3	0.8
EEWJT002	983.2	510.8	472.4	303.8	168.6	17.7	15.1	30.7	9.6	10.0	11.1	105.1	19.0	20.0	14.7	4.4	0.9
EEWJT003	1154.3	869.9	284.4	138.6	145.8	31.0	10.5	21.0	16.6	3.8	0.6	83.3	24.0	20.0	17.4	2.5	0.1
EEWJT004	1313.0	600.2	712.8	509.3	203.5	38.2	7.9	15.8	4.5	5.2	6.1	141.6	14.1	20.0	12.3	6.3	1.4
EEWJT005	1006.7	542.2	464.5	342.1	122.4	21.3	9.8	6.7	2.7	2.4	1.6	84.6	23.6	20.0	15.8	3.8	0.4
EMWJT001	1218.1	665.2	552.9	444.6	108.3	22.9	6.2	9.2	3.6	3.1	2.5	70.0	28.6	20.0	15.0	4.4	0.6
EMWJT002	707.0	526.7	180.3	81.9	98.4	19.5	6.6	8.7	6.2	1.6	0.9	63.6	31.4	20.0	18.1	1.8	0.1
EMWJT003	1102.7	575.5	527.2	453.7	73.5	14.0	10.3	14.5	5.2	5.3	4.0	34.7	57.6	20.0	15.4	4.0	0.6

S.G. >3.2 Porphyry Cu Indicator Mineral Counts

Client: Terralogic Exploration Inc.
File Name: 20233115 - Terralogic - Holowath - (PCIM) - Dec 21, 2023 - Final
Total Number of Samples in this Report: 17
ODM Batch Number(s): 3115

	Proportion (Volume %) and Number of 0.25-0.5 mm Grains in Host Paramagnetic Susceptibility (amperage) Fraction (<1.0 amp = paramagnetic; >1.0 amp = nonparamagnetic)																								
	Mineralization Minerals							Alteration Minerals														Geochron Minerals			
	Hypogene			Supergene				Hypogene																	
	>1.0 amp			>1.0 amp			<1.0 amp	>1.0 amp													<1.0 amp	>1.0 amp			
Sample Number	Pyrite	Cu-Zn-Pb-Mo-As-Sb-Bi-minerals	Sn-W Oxides	Marc	Cu-Zn-Pb-Mo-As-Sb-Bi-minerals	Mn-Oxides	Gth	Ba	Mn-epidote	Grs	Tm	Blond Ttn	Rose Zir	Ky/Sil	Corundum	Diaspore	Red Rutile	Low-Cr Diopside	Other	Adr*	Ap	Zir	Remarks	Picked Grains
AWMPT001	0	0	0	0	0	0	0.5	0	Tr (2 gr)	0	0	0	0	0.5	0	0	Tr (~30 gr)	Tr (~150 gr)	Tr chromite (~15 gr)	Tr (~30 gr)	0	Tr	Augite-almandine/diopside assemblage.	0.5-1.0 mm fraction: 1 chromite 0.25-0.5 mm fraction: 5 representative chromite 5 representative andradite
AWMPT002	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	Tr (~20 gr)	Tr (~100 gr)	Tr chromite (~30 gr)	0	0	0	Augite-almandine/diopside assemblage.	0.25-0.5 mm fraction: 5 representative chromite
AWMPT003	0	0	0	0	0	0	Tr	0	Tr (4 gr)	0	0	0	0	2	0	0	Tr (10 gr)	0.5 (~120 gr)	Tr chromite (~40 gr)	Tr (~20 gr)	0	Tr	Augite/diopside assemblage.	0.25-0.5 mm fraction: 5 representative chromite 5 representative andradite
EEMPT001	0	0	0	0	0	0	Tr	0	Tr (2 gr)	0	0	0	0	3	0	0	Tr (~60 gr)	Tr (~120 gr)	Tr chromite (~50 gr)	0	0	0	Augite-almandine/diopside assemblage.	0.5-1.0 mm fraction: 3 chromite 0.25-0.5 mm fraction: 5 representative chromite
EEMPT002	0	0	0	0	0	0	Tr	0	0	0	0	0	0	2	0	0	Tr (~40 gr)	0.5 (~120 gr)	Tr chromite (~50 gr)	Tr (~25 gr)	0	0	Augite-almandine/diopside assemblage.	0.5-1.0 mm fraction: 6 chromite 0.25-0.5 mm fraction: 5 representative chromite 5 representative andradite

*Andradite includes spessartine.

S.G. >3.2 Porphyry Cu Indicator Mineral Counts

Client: Terralogic Exploration Inc.
File Name: 20233115 - Terralogic - Holowath - (PCIM) - Dec 21, 2023 - Final
Total Number of Samples in this Report: 17
ODM Batch Number(s): 3115

	Proportion (Volume %) and Number of 0.25-0.5 mm Grains in Host Paramagnetic Susceptibility (amperage) Fraction (<1.0 amp = paramagnetic; >1.0 amp = nonparamagnetic)																							
	Mineralization Minerals							Alteration Minerals														Geochron Minerals		
	Hypogene			Supergene				Hypogene																
	>1.0 amp			>1.0 amp			<1.0 amp	>1.0 amp												<1.0 amp	>1.0 amp			
Sample Number	Pyrite	Cu-Zn-Pb-Mo-As-Sb-Bi-minerals	Sn-W Oxides	Marc	Cu-Zn-Pb-Mo-As-Sb-Bi-minerals	Mn-Oxides	Gth	Ba	Mn-epidote	Grs	Tm	Blond Ttn	Rose Zir	Ky/Sil	Corundum	Diaspore	Red Rutile	Low-Cr Diopside	Other	Adr*	Ap	Zir	Remarks	Picked Grains
EEMPT003	Tr (3 gr)	0	0	0	0	0	Tr	0	0	0	0	0	0	3	0	0	Tr (~15 gr)	Tr (10 gr)	Tr chromite (~30 gr)	0	0	Tr	Augite-almandine/diopside-epidote assemblage.	0.25-0.5 mm fraction: 5 representative chromite
EEMPT004	0	0	0	0	0	0	Tr	0	Tr (2 gr)	0	0	0	0	3	Tr sapphire (1 gr)	0	Tr (~60 gr)	Tr (~100 gr)	Tr chromite (~50 gr)	0	0	Tr	Augite-almandine/diopside assemblage. SEM check from 0.25-0.5 mm fraction: 1 sapphire corundum versus kyanite candidate = 1 sapphire corundum.	0.25-0.5 mm fraction: 1 sapphire corundum 5 representative chromite
EEMPT005	0	0	0	0	0	0	Tr	0	0	0	0	0	0	3	0	0	Tr (~15 gr)	Tr (~40 gr)	0	0	0	Tr	Augite-almandine/diopside assemblage.	
EEMPT006	0	0	0	0	0	0	Tr	0	Tr (3 gr)	0	0	0	0	1	0	0	Tr (~15 gr)	Tr (~40 gr)	Tr chromite (~40 gr)	Tr (~20 gr)	0	0	Augite/diopside assemblage. SEM checks from 0.25-0.5 mm fraction: 3 corundum versus zoisite candidates = 3 zoisite.	0.5-1.0 mm fraction: 1 chromite 0.25-0.5 mm fraction: 3 zoisite resembling corundum 5 representative chromite 5 representative andradite
EEWJT001	0	0	0	0	0	0	Tr	0	0	0	0	0	0	1	0	0	Tr (10 gr)	Tr (~30 gr)	Tr chromite (~25 gr)	0	0	0	Augite-almandine/diopside assemblage.	0.5-1.0 mm fraction: 5 chromite 0.25-0.5 mm fraction: 5 representative chromite
EEWJT002	0	0	0	0	0	0	Tr	0	0	0	0	0	0	3	Tr sapphire (1 gr)	0	Tr (~15 gr)	Tr (~30 gr)	Tr chromite (~15 gr)	0	0	0	Hematite-augite/diopside assemblage.	

*Andradite includes spessartine.

S.G. >3.2 Porphyry Cu Indicator Mineral Counts

Client: Terralogic Exploration Inc.
File Name: 20233115 - Terralogic - Holowath - (PCIM) - Dec 21, 2023 - Final
Total Number of Samples in this Report: 17
ODM Batch Number(s): 3115

	Proportion (Volume %) and Number of 0.25-0.5 mm Grains in Host Paramagnetic Susceptibility (amperage) Fraction (<1.0 amp = paramagnetic; >1.0 amp = nonparamagnetic)																							
	Mineralization Minerals							Alteration Minerals													Geochron Minerals			
	Hypogene			Supergene				Hypogene																
	>1.0 amp			>1.0 amp			<1.0 amp	>1.0 amp												<1.0 amp	>1.0 amp			
Sample Number	Pyrite	Cu-Zn-Pb-Mo-As-Sb-Bi-minerals	Sn-W Oxides	Marc	Cu-Zn-Pb-Mo-As-Sb-Bi-minerals	Mn-Oxides	Gth	Ba	Mn-epidote	Grs	Tm	Blond Ttn	Rose Zir	Ky/Sil	Corundum	Diaspore	Red Rutile	Low-Cr Diopside	Other	Adr*	Ap	Zir	Remarks	Picked Grains
EEWJT003	0	0	0	0	0	0	Tr	0	Tr (1 gr)	0	0	0	0	Tr	0	0	Tr (2 gr)	Tr (~15 gr)	Tr chromite (10 gr)	0	0	0	Augite-hematite/diopside assemblage. SEM check from 0.25-0.5 mm fraction: 1 Mn-epidote versus ruby corundum candidate = 1 Mn-epidote.	0.25-0.5 mm fraction: 1 Mn-epidote
EEWJT004	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0	0	0	Tr (10 gr)	0	0	0	0	Augite/diopside assemblage.	
EEWJT005	0	0	0	0	0	0	0	0	Tr (2 gr)	0	0	0	0	Tr	0	0	Tr (1 gr)	Tr (5 gr)	0	0	0	0	Augite/diopside-epidote assemblage.	
EMWJT001	0	0	0	0	0	0	0	0	0	0	0	0	0	Tr	0	0	Tr (8 gr)	Tr (5 gr)	Tr chromite (~20 gr)	0	0	0	Augite/diopside assemblage.	
EMWJT002	0	0	0	0	0	0	Tr	0	0	0	0	0	0	1	0	0	Tr (10 gr)	Tr (10 gr)	Tr chromite (5 gr)	0	0	0	Augite/diopside assemblage.	
EMWJT003	0	0	0	0	0	0	Tr	0	0	0	0	0	0	2	0	0	0	Tr (10 gr)	Tr chromite (~15 gr)	0	0	0	Augite/diopside assemblage.	

*Andradite includes spessartine.

S.G. 2.8-3.2 Porphyry Cu Indicator Mineral Counts

Client: Terralogic Exploration Inc.
File Name: 20233115 - Terralogic - Holowath - (PCIM) - Dec 21, 2023 - Final
Total Number of Samples in this Report: 17
ODM Batch Number(s): 3115

	Proportion (Volume %) and Number of Grains in 0.25-0.5 mm Fraction						
			Major Sulphates				
Sample Numbr	Cu Minerals	Misc. Prime porphyry Cu Indicators	Jarosite	Alunite	Tourmaline	Remarks	Picked Grains
AWMPT001	0	0	Tr (2 gr)	0	Tr (~20 gr)	SEM checks from 0.25-0.5 mm fraction: 2 jarosite candidates = 2 jarosite; and 2 alunite versus albite candidates = 2 albite.	0.25-0.5 mm fraction: 2 jarosite 2 albite
AWMPT002	0	0	0	0	Tr (~60 gr)		
AWMPT003	0	0	Tr (1 gr)	0	Tr (10 gr)	SEM checks from 0.25-0.5 mm fraction: 3 jarosite candidates = 1 jarosite and 2 sericite + Fe.	0.25-0.5 mm fraction: 1 jarosite 2 sericite + Fe
EEMPT001	0	0	Tr (~20 gr)	0	Tr (~150 gr)	SEM checks from 0.25-0.5 mm fraction: 5 jarosite candidates = 5 jarosite.	0.25-0.5 mm fraction: 5 representative jarosite
EEMPT002	0	0	Tr (1 gr)	0	0	SEM checks from 0.25-0.5 mm fraction: 1 jarosite candidate = 1 jarosite.	0.25-0.5 mm fraction: 1 jarosite
EEMPT003	0	0	0	0	Tr (~60 gr)		
EEMPT004	0	0	0	0	Tr (~100 gr)		
EEMPT005	0	0	Tr (~20 gr)	0	Tr (~30 gr)		0.25-0.5 mm fraction: 5 representative jarosite
EEMPT006	0	0	0	0	Tr (~40 gr)		
EEWJT001	0	0	Tr (3 gr)	0	Tr (~25 gr)	SEM checks from 0.25-0.5 mm fraction: 2 alunite candidates = 2 zoisite	0.25-0.5 mm fraction: 3 jarosite 2 zoisite resembling alunite

S.G. 2.8-3.2 Porphyry Cu Indicator Mineral Counts

Client: Terralogic Exploration Inc.
File Name: 20233115 - Terralogic - Holowath - (PCIM) - Dec 21, 2023 - Final
Total Number of Samples in this Report: 17
ODM Batch Number(s): 3115

	Proportion (Volume %) and Number of Grains in 0.25-0.5 mm Fraction						
			Major Sulphates				
Sample Numbr	Cu Minerals	Misc. Prime porphyry Cu Indicators	Jarosite	Alunite	Tourmaline	Remarks	Picked Grains
EEWJT002	0	0	0	0	Tr (~30 gr)		
EEWJT003	0	0	0	0	Tr (~15 gr)	SEM checks from 0.25-0.5 mm fraction: 2 alunite candidates = 1 apatite and 1 zoisite.	0.25-0.5 mm fraction: 1 apatite resembling alunite 1 zoisite resembling alunite
EEWJT004	0	0	0	0	Tr (10 gr)		
EEWJT005	0	0	0	0	Tr (5 gr)		
EMWJT001	0	0	0	0	Tr (~40 gr)		
EMWJT002	0	0	0	0	Tr (10 gr)		
EMWJT003	0	0	0	0	Tr (~20 gr)		