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Assessment Report

On the

RABBIT LAKE PROPERTY

Askin Township, Sudbury Mining Division, Ontario, Canada

Located Within:

NTS Sheet 31L/13

Centered at Approximately:

Latitude 46°56’55.9097” North by Longitude 79°40’28.8343” West

Report Prepared For:

Quantum Battery Metals Corp.

800-1199 West Hastings St.

Vancouver, BC, Canada

V6E 3T5

Report Prepared by:

Longford Exploration Services Ltd.

1680-355 Burrard Street

Vancouver, BC, Canada

V6C 2G8

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1680-355 Burrard Street

Vancouver, BC, V6C 2G8

EFFECTIVE DATE: Feb 28, 2022

traverse the earth

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1 Summary

1.1 Introduction

This technical report provides the results of a prospecting and geochemical soil survey carried out over the Rabbit Lake Property (the Property) for Quantum Battery Metals Corp. (Quantum) a Canadian company involved in mineral exploration and development. The Property is located in southeastern Ontario, Canada in the Sudbury Mining Division. The purpose of this report is to fulfill the annual work requirements on the Rabbit Lake Property.

The Rabbit Lake Property is characteristic of a Five-Element Vein style of mineralization.

1.2 Property Description

The Rabbit Lake Property is located 20 km southeast of the town of Temagami near the eastern border of Ontario. The Property consists of 66 mineral claims in the Sudbury Mining Division, totalling 1,452.66 hectares (ha). The claims currently show in the online registry as being owned 100% by Quantum Cobalt Inc. (now known as Quantum Battery Metals Corp.). The district is mining friendly having a rich history of cobalt and silver production. 67 km north of the Property is Cobalt, Ontario. The epicenter of past producing cobalt mines in Ontario.

1.3 Geology

The Rabbit Lake Property overlies the Nipissing diabase sill rocks which outcrop on the Temiskaming lakeshore. A basin-structure is formed by these intrusive rocks and exhibits an east-west trending axis. Underlying this unit is the Cobalt Group sedimentary suite of greywackes and conglomerates of Huronian age which pinch out between the overlying diabase and the underlying Keewatin lava complex. Intruding into the Keewatin lava complex are pre-Huronian age lamprophyre dykes and Algoman granites.

The Rabbit Lake Property itself has numerous north-easterly trending faults which cut across the Property, some of which are crosscut by north-westly trending faults

1.4 Mineralization

The Rabbit Lake Property has a similar style of mineralization to the Cobalt Silver Mines, which is related to the Nipissing Diabase intrusion and is fault controlled. The typical style of mineralization is consistent with the Five-Element (Co-Ni-As-Ag-Bi) vein assemblage. It has been suggested that the origin and mechanism driving this style of mineralization is related to one of the following: (1) metal-rich aqueous fluids originating from late stage differentiation of the diabase sills and or the parent magma at depth; (2) convectively circulating fluids mobilized from the country rocks during cooling of the diabase intrusive complex; or (3) hydrothermal fluids originating from an unidentified external source unrelated to the diabase contact areas simply acted as a mechanically favourable host environment during regional faulting.

Mineralization in the area appears to occur adjacent to or within mafic intrusions. Cobalt, gold, and nickel mineralization within the Property occurs in an 18-inch-wide fracture zone in diabase as Co-Fe-Ni Arsenide and chalcopyrite. A grab sample collected by A.G. Burrows returned an assay of 8.76 % cobalt, 6.56 % nickel and 8.8 g/t gold.

1.5 Status of Exploration

Exploration over the Property has been sporadic since at least 1955 with minimal focus on cobalt mineralization in more recent years. In 2002 JML Resources flew airborne geophysics over several prospects in the area looking for diamondiferous kimberlites and partially covered the Property. In 2005, Tres-Or Resources also carried out exploration for diamondiferous kimberlites. The Property has never been systematically drill-tested.

In 2017, a work program was carried out by Longford Exploration Services Ltd. which consisted of prospecting, geological mapping and rock and soil sampling. Field mapping and prospecting activities on the Rabbit Lake Property in 2017 confirmed weak cobalt mineralization with highest values of 319.9 ppm Co and 55.7 ppm Co for rock and soil respectively returned near the Rabbit Lake showing. Based on observations made in the field and assay results for both rock and soils during the 2017 field program, no significant signs of cobalt mineralization have been identified.

A short prospecting, bedrock mapping, and sampling program was carried out from Sept 6th to Sept 13th, 2021, targeting the diabase on the Property. Wade Kornik and Mark Rochefort carried out the program and collected a total of 14 rock samples and 95 soil samples.

An assessment credit of $40,945.75 is to be applied to this Property for work performed in 2021.

1.6 Conclusions and Recommendations

Prospecting and soil sampling activities on the Rabbit Lake Property in 2021 identified very low cobalt values in the southwestern portion of the Property. The best rock sample assay was found in rock Sample 4032418 collected on the eastern border of Rabbit Lake, which returned a value of 34 ppm Co, which is somewhat elevated. The soil survey did not identify any significant cobalt values overall, the highest values returned was 15.70 ppm Co. The soil survey did, however, locate weakly anomalous values in silver, bismuth, copper, and nickel.

Longford Exploration Services Ltd. proposes a crew of three to conduct a 4-day soil sampling and prospecting program (excl. mobilization) over the central and eastern portions of the Rabbit Lake Property. This soil program will serve to expand upon recent soil geochemistry surveys conducted by Longford Exploration Services Ltd. in 2017 and 2021, targeting contacts of the Nipissing diabase, mapped regional fault structures and the Rabbit Lake Occurrence in the north of the Property.

2 Introduction and Terms of Reference

2.1 Purpose of the Report

This technical report has been prepared for Quantum Battery Metals Corp. (Quantum) of 800-1199 West Hastings St. Vancouver, British Columbia, Canada. Quantum is a Canadian company involved in mineral exploration and development and trades on the Canadian Securities Exchange (CSE) under the symbol QBOT. This report has been prepared to fulfill the annual work requirements for assessment reporting purposes., as laid out in Section 65 of the Mining Act.

2.2 Terms of Reference

In September 2021 Longford Exploration Services Ltd. (Longford) was commissioned by the Issuer to conduct a prospecting program on the Rabbit Lake Property in southeast Ontario, Canada to assess the Property's prospectivity for cobalt mineralization. This Report is intended to be read in its entirety.

2.3 Sources of Information

The author has used Ontario's Ministry of Northern Development and Mines (MNDM) publicly available information resources found online at http://www.mci.mndm.gov.on.ca for historical property assessment reports and mineral tenure information as well as the Ontario Geological Survey's digital publication database found online at http://www.geologyontario.mndm.gov.on.ca/ for regional geological data and mineral occurrence information. Climate information was obtained from Environment Canada, population and local information for the Project area was obtained from http://en.wikipedia.org/wiki/Temagami.

Assessment reports found in the MNDM database with information pertaining to the project can be summarized as follows:

Table 2.1 MNDM Assessment Report Files Concerning the Rabbit Lake Property.

Date	Report ID	Operator	Title	Report Available
1955	CO-0014	J. Sutherland	Not Available	Not available
1957	CO-0015	F. Thompson	Not Available	Not available
2002	31M04SE2012	JML Resources Ltd.	Airborne Magnetometer Survey for JML Resources Ltd., Blocks 25, 26, & 27, Marten River Area, Ontario	Available
2003	31M03SW2007	Tres-Or Resources Ltd.	Contiguous Claims Angus, Burnaby, Cassels, Eldridge, Kenny, Gladman, Gooderham, Hammell, Sisk, Riddell, South Lorrain, Olive, McLaren, Lasalle, Hebert, Hartle, Askin, Flett, Law, Osborn, and Mine Townships	Not available

2.4 Abbreviations and Units of Measurement

Metric units are used throughout this report and all dollar amounts are reported in Canadian Dollars (CAD$) unless otherwise stated. Coordinates within this report use EPSG 26909 NAD83 UTM Zone 17N unless otherwise stated. The following is a list of abbreviations which may be used in this report:

Table 2.2 Abbreviations and Units of Measurement.

Description	Abbreviation or Acronym
percent	%
three dimensional	3D
Ontario Mining Act	Act
silver	Ag
area of interest	AOI
gold	Au
degrees Celsius	°C
circa	ca.
Canadian dollar	CAD$
Canadian Institute of Mining, Metallurgy and Petroleum	CIM
centimetre	cm
copper	Cu
diamond drill hole	DDH
east	E
electromagnetic	EM
European Petroleum Survey Group	EPSG
degrees Fahrenheit	°F
gram	g
grams per tonne	g/t
billion years ago	Ga
Golden Spike Resources Corp.	Golden Spike
Global Positioning System	GPS
greenstone-hosted quartz-carbonate	GQC
Geological Survey of Canada	GSC
gigawatt hours	GWh
hectare	ha
Camping Lake Property	Camping Lake
kilogram	kg
kilometre	km
kilometres per hour	km/hr
potassium feldspar	K-spar
kilovolt	kV
Longford Exploration Services Ltd.	Longford Exploration
metre	m
million years ago	Ma
metres above sea level	masl
Mineral Lands Administration System	MLAS

Description	Abbreviation or Acronym
millimetre	mm
mobile metal ion	MMI
Ministry of Energy, Northern Development and Mines	MNDM
molybdenum	Mo
million ounces	Moz
megapascal	MPa
million tonnes	Mt
north	N
not applicable	n/a
North American Datum	NAD
nickel	Ni
Northbound Capital Corp.	Northbound Capital
net smelter return	NSR
National Topographic System	NTS
Ontario Geological Survey	OGS
ounce	oz
ounces per tonne	oz/t
platinum-group elements	PGE
Professional Geoscientist	P. Geo.
parts per billion	ppb
parts per million	ppm
Rabbit Lake Property	The Property
quality assurance/quality control	QA/QC
qualified person	QP
QCV	Quartz Carbonate Vein
south	S
tonne	t
to be determined	TBD
Universal Transverse Mercator	UTM
very low frequency	VLF
volcanogenic massive sulphide	VMS
Versatile Time Domain Electromagnetic	VTEM
west	W
World Geodetic System	WGS
zinc	Zn

3 Property Description and Location

3.1 Location

The Rabbit Lake Property (Figure 3.1) is located 20 km southeast of the town of Temagami near the eastern border of Ontario. The district is mining friendly having a rich history of cobalt and silver production. Just 55 km north of the Property is the town of Cobalt, Ontario, the epicenter of past producing cobalt mines in Ontario.

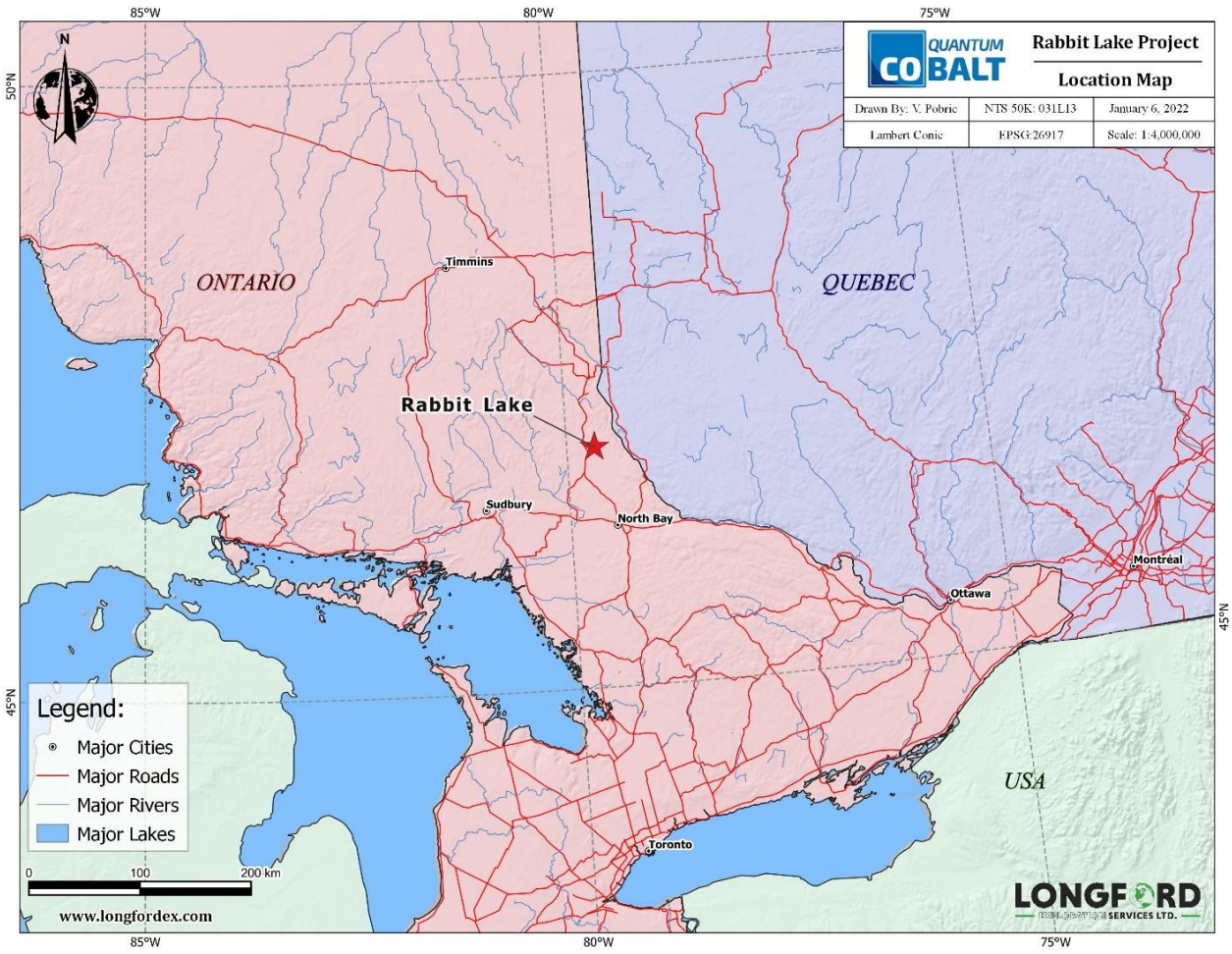

Figure 3.1: Rabbit Lake Property Location.

3.2 Mineral Titles

The Property consists of 66 mineral claims (Figure 3.2) located in the Sudbury Mining Division totalling 1,452.66 hectares. The claims are currently shown in the online registry as being owned 100% by Quantum Cobalt Inc. (now known as Quantum Battery Metals Corp.) (Table 3.1).

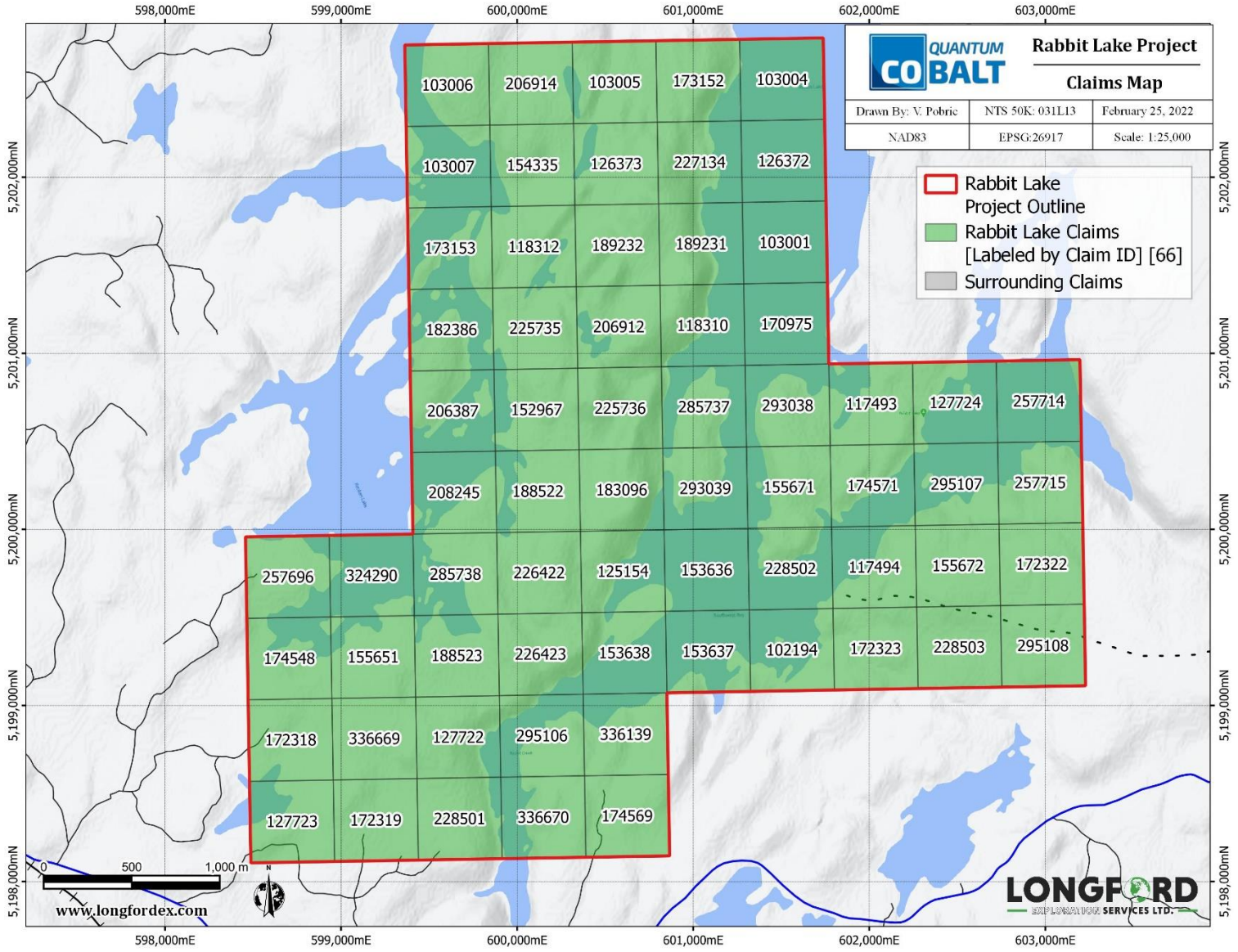

Figure 3.2: Rabbit Lake Property Claims Map.

Table 3.1 Mineral Tenure Summary.

Claim Number	Township	Owner	Area (ha)	Issue Date	Anniversary Date
118310	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-03-05
170975	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-03-05
102194	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-04-09
103001	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-04-09
103004	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-04-09
103005	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-04-09
103006	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-04-09
103007	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-04-09
117493	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-04-09
117494	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-04-09
118312	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-04-09
125154	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-04-09
126372	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-04-09
126373	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-04-09
127722	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-04-09
127723	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-04-09
127724	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-04-09
152967	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-04-09
153636	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-04-09
153637	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-04-09
153638	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-04-09
154335	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-04-09
155651	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-04-09
155671	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-04-09
155672	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-04-09
172318	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-04-09
172319	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-04-09
172322	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-04-09
172323	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-04-09
173152	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-04-09
173153	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-04-09
174548	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-04-09
174569	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-04-09
174571	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-04-09
182386	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-04-09
183096	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-04-09
188522	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-04-09
188523	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-04-09
189231	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-04-09
189232	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-04-09
206387	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-04-09

Claim Number	Township	Owner	Area (ha)	Issue Date	Anniversary Date
206912	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-04-09
206914	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-04-09
208245	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-04-09
225735	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-04-09
225736	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-04-09
226422	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-04-09
226423	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-04-09
227134	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-04-09
228501	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-04-09
228502	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-04-09
228503	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-04-09
257696	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-04-09
257714	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-04-09
257715	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-04-09
285737	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-04-09
285738	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-04-09
293038	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-04-09
293039	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-04-09
295106	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-04-09
295107	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-04-09
295108	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-04-09
324290	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-04-09
336139	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-04-09
336669	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-04-09
336670	Askin	(10000482) Quantum Cobalt Corp.	22.01	2018-04-10	2022-04-09

3.3 Property Legal Status

The Ontario Mining Lands website (https://www.mci.mndm.gov.on.ca) confirms that all claims of the Property as described in Table 3.1 were in good standing at the date of this report and that no legal encumbrances were registered with the Ministry of Northern Development and Mines against the titles at that date. The author makes no assertion with regard to the legal status of the Property. The Property has not been legally surveyed to date and no requirement to do so has existed.

There are no other royalties, back-in rights, environmental liabilities, or other known risks to undertake exploration.

3.4 Mineral Rights in Ontario

The holder of an Ontario Prospector's License may prospect or stake a mining claim on crown land, or private property where the crown has mineral rights that is open for staking.

Mining claims in Ontario transitioned to online staking using a map designation system in April of 2018. All active, unpatented claims were converted from their legally defined location by post location to a cell-

based grid. Mining claims are now legally defined by their cell position on the MLAS Map Viewer grid coordinates. Mining claim staking and registration is now completed online using the MLAS system and paying a $50 registration fee per cell. Up to 50 single-cell claims may be registered at one time provided that each cell claim being registered shares at least one boundary with the cell of another cell claim being registered. Multi-cell claims must be registered separately and may consist of a maximum of 25 cell units, of which each cell must share a least on cell boundary with another cell in the claim.

The government of Ontario requires expenditures of $400 per year per cell claim and $200 per boundary cell claim unit prior to expiry to keep the claims in good standing for the following year. The assessment report must be submitted by the expiry date using the online MLAS system.

The holder of a mining claim may obtain a mining lease for that claim though surface rights provisions under the Ontario Mining Act control the activity as work progresses. Surface rights may be sold or granted to a mining operation if they are necessary to carry out mining operations.

3.5 Surface Rights in Ontario

Surface rights are not included with mineral claims in Ontario. However, the *Mining Act* (Ontario) allows licensed prospectors to enter mineral lands to explore for minerals whether surface is owned privately or by the Crown. Right of entry onto these lands does not include land occupied by a building, the area around a dwelling house, an any land that is part of an airport or railway, land being used for a natural gas, oil or water pipeline corridor, land under cultivation, land that contains an artificial reservoir or dam, protected heritage property or land in a park. A complete list of Restricted Lands is available in the Mining Act (ON) under article 29 subsection (1).

Miners entering on private lands must serve notice in the prescribed manner and compensate the landowner for any loss or damages resulting from the mining activities including prospecting, mapping, sampling, geophysical surveys, as well as any activities that disturb the surface. Landowners should be notified prior to entering the property to prospect, entering their property to stake, prior to the creation of a closure plan, beginning new exploration activities or making changes to an existing exploration activity, beginning the construction of a mine, beginning the extract minerals, and beginning rehabilitation work. Surface rights owner(s) on a piece of land can be determined by performing a title search at a Land Registry Office (LRO) or online at https://www.ontario.ca/search/land-registration.

3.6 Permitting

The Ontario Mining Act requires an Exploration Permit or Plans for exploration on Crown Lands. The permit and plans are obtained from the MNDM. The processing periods are 50 days for a permit and 30 days for a plan while the documents are reviewed by MNDM and presented to the Aboriginal communities whose traditional lands will be impacted by the work.

In Ontario, an Exploration Permit is required to carry out exploration activities that include:

- Mechanized stripping of an area greater than 100 m^2 within a 200 m radius.
- Use of a drill that weighs more than 150 kg.
- Cutting of lines greater than 1.5 m in width
- Geophysical surveys requiring the use of a generator.

- Pitting or trenching where excavated volume of rock exceeds 3 m^3 within a 200 m radius.

Exploration Permits are issued in the name of the recorded claim holder and are usually issued with 3 months after an application is made. Under the present system, notice is given to affected First Nations and Metis groups by the MENDM. Permit applicants are then required to engage in dialogue with indigenous groups only if specific issues are raised by those groups. Exploration permits are granted for a period of three years. They may include conditions which require the avoidance of certain areas due to wildlife sensitivity or areas that have cultural or spiritual significance.

If a project results in the discovery of a mineralized zone required more advanced work such bulk sampling or underground development, an Advanced Exploration Permit is required. To apply for this type of permit, the relevant claims are usually converted to lease, and the approval process is more strenuous, requiring significant review by the MENDM and significant community and First Nations engagement.

Quantum Cobalt does not have any permits or applications in place at the time of writing.

4 Accessibility, Infrastructure and Climate

4.1 Accessibility

The Property is accessible (Figure 4.1) via Rabbit Lake which is accessed by 7 km of well-maintained gravel surface road leaving Highway-11, 20 km south of the town of Temagami. The Property is located 10 km from rail and 5 km from power distribution lines.

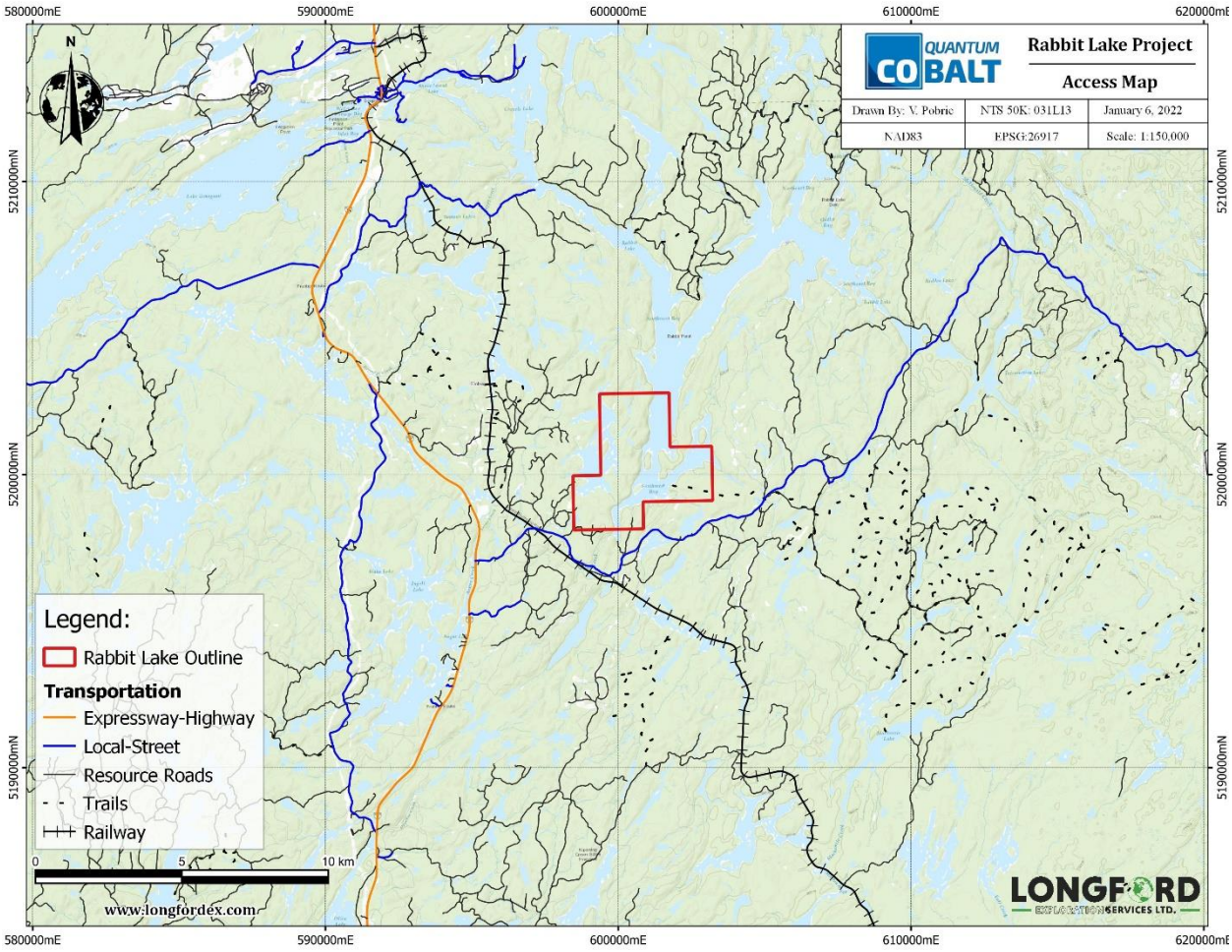

Figure 4.1: Rabbit Lake Property Access Map.

Road distances from the Property to select cities and ports are summarized in Table 4.1 below:

Table 4.1 Driving distances to the Property.

Location (population)	Description	Road Distance
Cobalt (pop. 1,118)	Nearest city with services	67.0 km
North Bay (pop. 51,553)	Mining service center	78.5 km
Ottawa (pop. 934,240)	Nearest international airport	436 km
Thunder Bay (pop. 110,000)	Port, mining service center	1,023 km

4.2 Climate

There is a local weather observation station located nearby in North Bay. The project area has a humid continental climate typical of the Canadian Shield region with cold, dry winters (34 days below -20°C, 273 cm snowfall). Summers are typically warm with highs of 35°C in July. Average annual rainfall is 775 mm with September being the wettest month and February the driest.

4.3 Local Resources

General and skilled labour is readily available in the City of North Bay (population 51,553), 37.3 km by road from the project area. This city offers year-round charter and schedule fixed wing service (to Thunder Bay), Ontario Provincial Police detachment, hospital, ambulance, fuel, lodging, restaurants, and equipment. The higher elevation portions of the Property area are covered by 3G cellular service. The Territorial Planning Unit of Grand Council Treaty #3 (GCT3) is also located in Kenora.

4.4 Infrastructure

The Lower Notch Generating Station is located near the Property area, just south of Silver Center. This station operates a 274 MW capacity transmission line which carries power to eastern areas of Ontario and western areas of Quebec. This station is located 9.7 km south of Silver Centre, Ontario.

4.5 Topography and Vegetation

The Property area is located near the Temagami-Marten River area in eastern Ontario. This area's topography is characterized by rolling hills ranging in elevation from 350 m-450 m and are interspersed with lakes and swampy lowlands. Forested areas consist of both hardwoods and conifers.

5 History

5.1 Historical Exploration

Exploration over the Property (Figure 5.1) has been sporadic since at least 1955 with minimal focus on cobalt mineralization in more recent years. In 2002 JML Resources flew airborne geophysics (Figure 5.2) over several prospects in the area looking for diamondiferous kimberlites and partially covered the property. Tres-Or Resources in 2005 was also exploring the area for diamondiferous kimberlites.

Table 5.1 Historical Exploration Program Summary.

Year	Operator	Summary of Notable Work Preformed
1955	J. Sutherland	Exploitation of Co occurrence
1957	F. Thompson	Exploitation of Co occurrence
2002	JML Resources Ltd.	Airborne geophysics (partially cover the Property)
2005	Tres-Or Resources	Exploration for diamondiferous kimberlites

*This information is from Mineral Deposit Inventory for Ontario (MDI31L13NE00004)

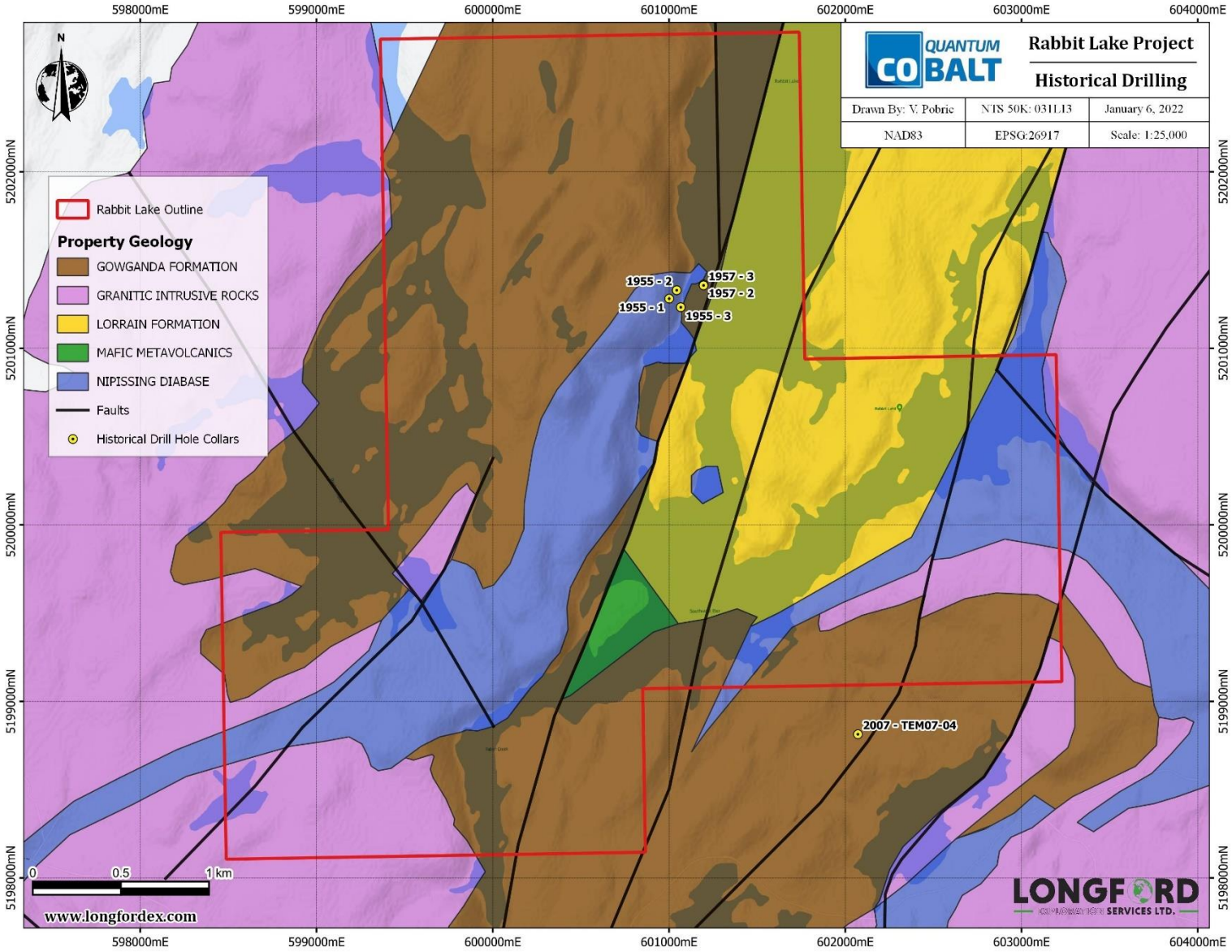

Figure 5.1: Rabbit Lake Property Historical Drilling.

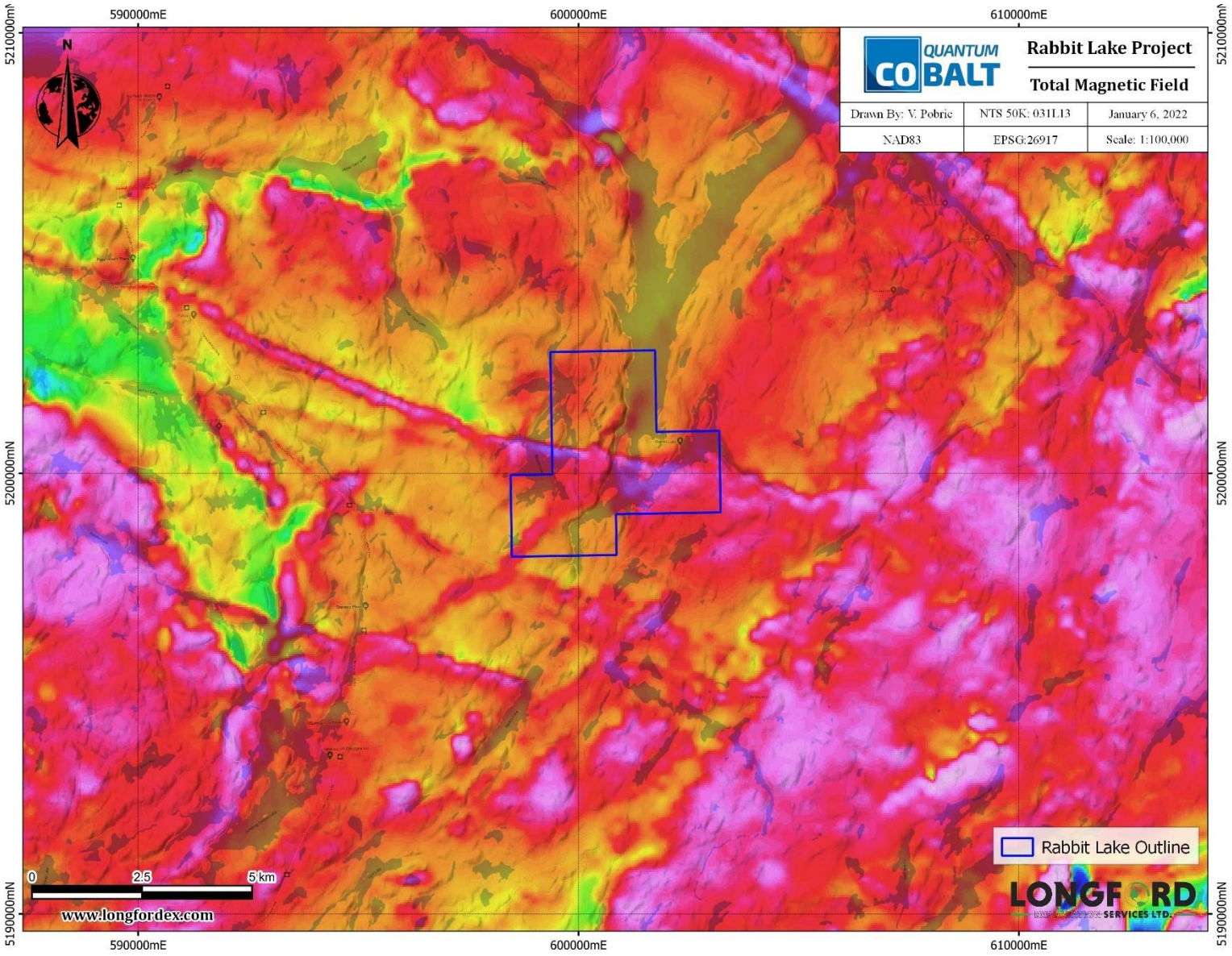

Figure 5.2: Rabbit Lake Property Total Magnetic Field (TMF).

6 Geological Setting and Mineralization

6.1 Regional Geology

The Askin Township is located in the Archean Superior Structural Province and extends into the Southern Province. The Superior Province is the largest Archean craton within the continent of North America and consists of quartz monzonite, quartz diorite, and metamorphosed tonalite (Cookenboo et al. 2003). The last major deformational event to affect this craton occurred during the Kenoran Orogen which took place more than 2.70 Ga (Cookenboo et al. 2003). The Paleoproterozoic Southern Province is comprised of the Huronian Supergroup, located within a folded belt that has been thrust northward to rest upon the Archean craton (Cookenboo et al. 2003). There are four main groups of rocks in this area: Archean basement rocks, flat lying Cobalt Group Sedimentary rocks, diabase sheets or sills and dykes, and meta-sediments (Figure 7.1).

The Temagami area was previously covered by the Laurentide Ice-Sheet, a continental-style glacier, which advanced across the area between 80,000 and 100,000 years ago (Cookenboo et al. 2003). The dominant ice-flow direction in eastern Ontario is towards the southwest and is responsible for many of the landforms that occur in the area (Cookenboo et al. 2003).

The Archean basement rocks consist of steeply dipping (Andrews et al. 1987) faulted and folded meta-volcanics and associated mafic intrusions all of which have been intruded by granitic rocks (McIlwaine 1970). Unconformably overlying the bedrock is the Cobalt Group, a sub-horizontal sedimentary group comprised of the Coleman, Firstbrook, and Lorrain formations. These sediments range from coarse to fine-grained and have variable depth-to-basement, as measured form the surface, likely due to highly irregular basement topography (Andrews et al. 1987).

Intruding all older rock units are the sills and steeply dipping dykes and plugs of the Nipissing Diabase, which have an overall composition of olivine tholeiite (Andrews et al. 1987) and includes gabbros, minor ultramafic rocks, and their green schist facie equivalents (Cookenboo et al. 2003). Regionally they form a basin or dome-like structures called the South Lorrain “diabase dome”. These intrusions are thought to be critical factors associated with the silver-cobalt mineralization in the area (McIlwaine 1970). The sills are horizontal to gently dipping and maintain a fairly uniform thickness of 300-335 m (Andrews et al. 1987) and <500 m wide (Cookenboo et al. 2003). Overlying this unit is a small belt of meta-sediments of unknown age, which are characterized by open folds. To the south of this belt are the paragneisses of the Grenville Province with overlying glacial deposits of variable thicknesses. (McIlwaine 1970).

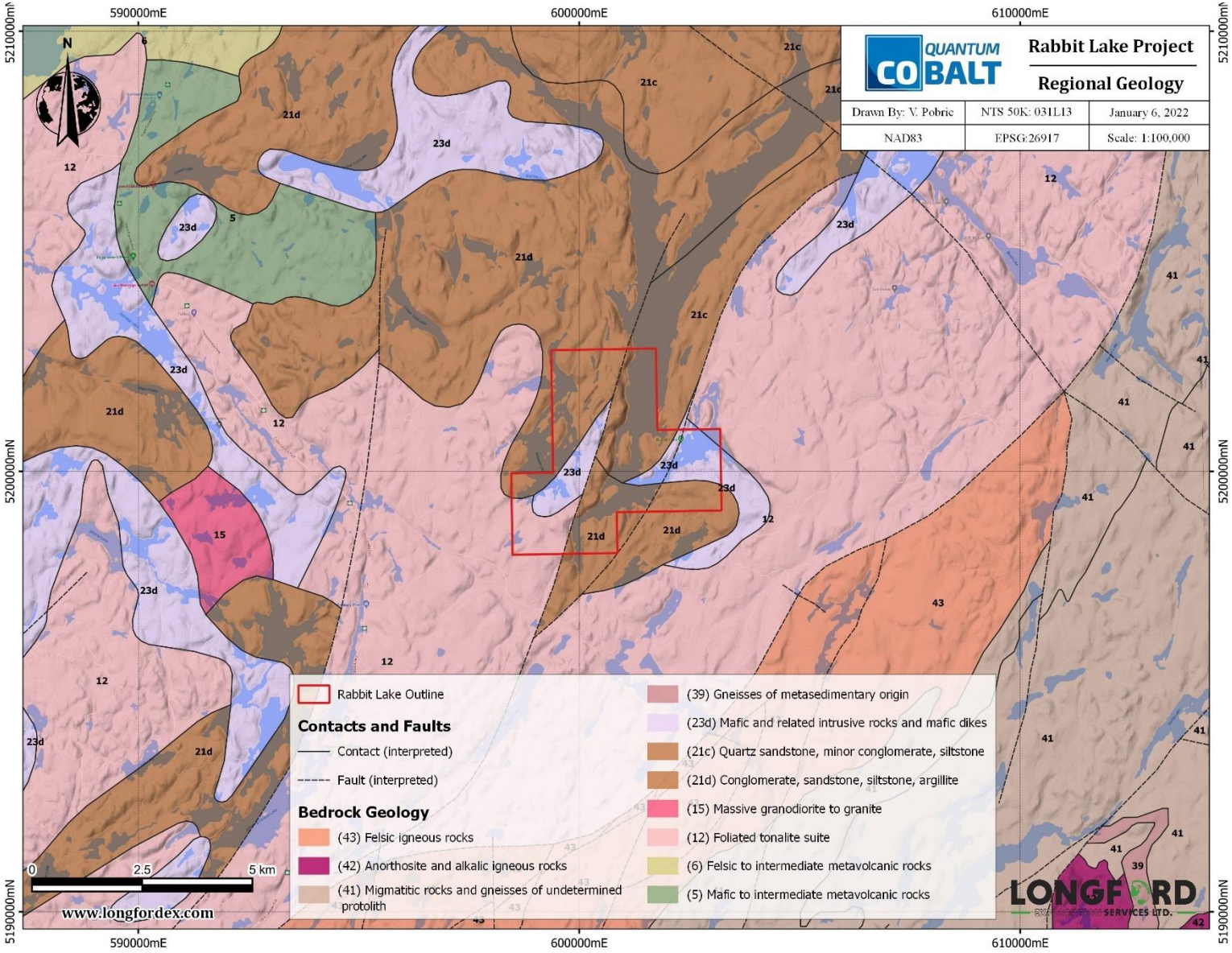

Figure 6.1: Rabbit Lake Property Regional Geology.

6.2 Regional Structure

The region's major structural feature the Grenville Front boundary fault which strikes to the east-northeast and divides the Superior Province to the north from the Parautochthonous rocks to the south (Cookenboo et al. 2003). The Temiskaming structural zone is characterized by a multitude of northwest trending faults; sub-parallel to these are faults which cut through the Askin township (Cookenboo et al. 2003).

6.3 Property Geology

The Rabbit Lake Property overlies the Nipissing diabase sill rocks which outcrop on the Temiskaming lakeshore. A basin-structure is formed by these intrusive rocks and exhibits an east-west trending axis. Underlying this unit is the Cobalt Group sedimentary suite of greywackes and conglomerates of Huronian age which pinch out between the overlying diabase and the underlying Keewatin lava complex (Woolham 1966). Intruding into the Keewatin lava complex are pre-Huronian age lamprophyre dykes and Algoman granites (Woolham 1966).

The Rabbit Lake Property itself has numerous north-easterly trending faults which cut across the Property, some of which are crosscut by north-westly trending faults.

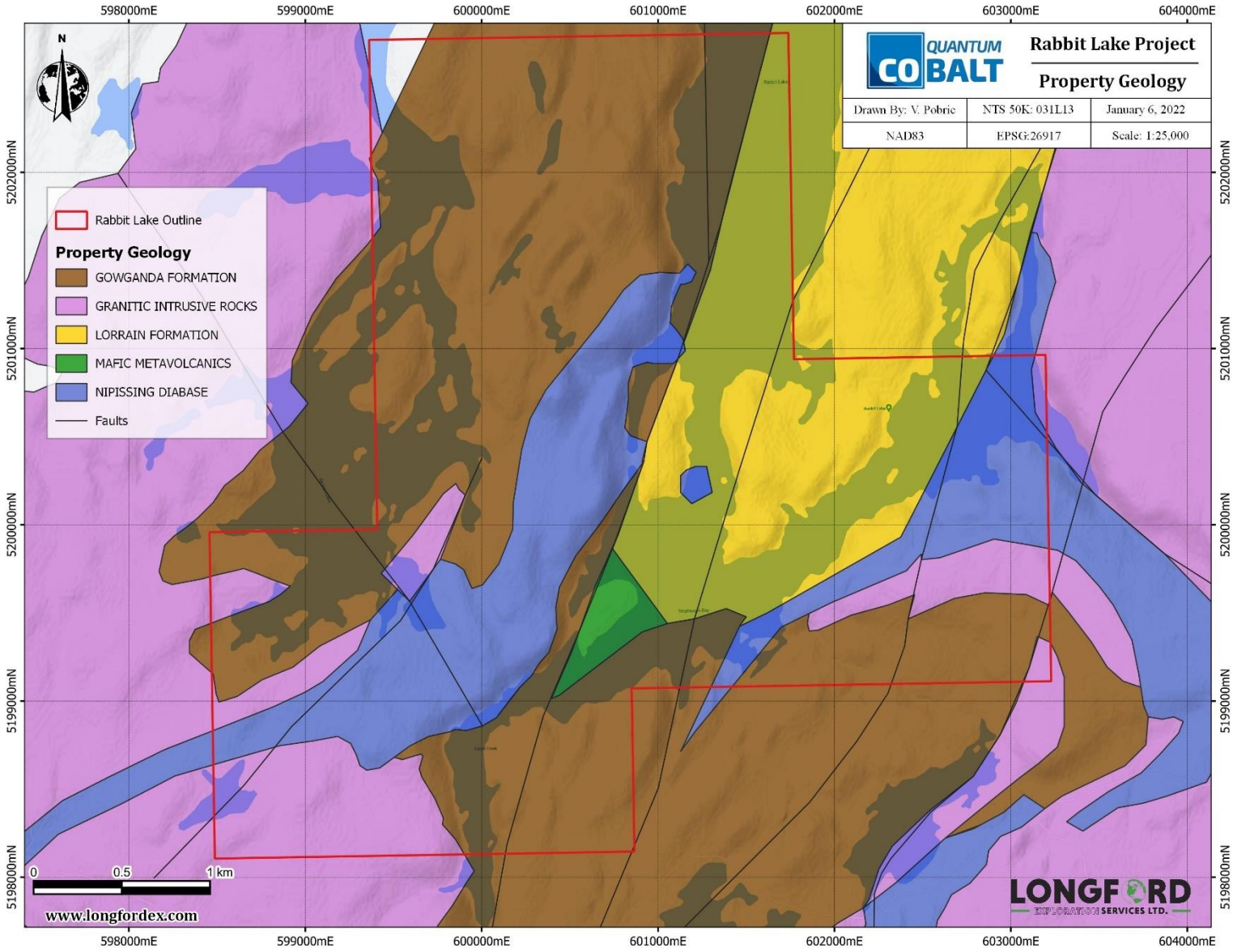

Figure 6.2: Rabbit Lake Property Local Geology.

6.3.1 Lithology

The lithological units of the project area as well as their respective descriptions have been summarized after McIlwaine (1970) below (Table 6.1).

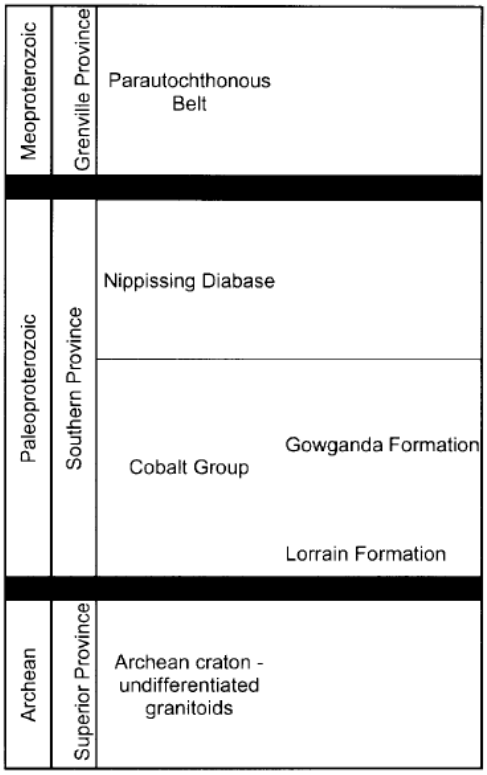

Figure 6.3: Simplified stratigraphic column of the Temagami region (Cookenboo et al. 2003).

Cobalt Group: Proterozoic Huronian Sediments (after McIlwaine 1970)

"A long period of erosion followed the igneous activity of the Archean Era. During this time the Archean topography was greatly modified resulting in a series of basins and corresponding highlands. The Huronian sediments were deposited in the basin areas with the adjacent highlands providing the detrital material.

As originally defined the Cobalt Series (Group) was made up of the Gowganda and Lorrain Formations and upper members (Collins 1917). Thomson (1957, p. 40) modified this classification by introducing the Firstbrook and Coleman Formations which together are the former Gowganda Formation (see Table 3). The present author is employing the names introduced by Thomson (1957). This threefold division was first recognized by Barlow (1899, p. 45 and p. 90 to 104) and further recognized by Miller (1910), and Todd (1925) but it was not until 1957 that a formal nomenclature was introduced (Thomson 1957).

Nearly flat-lying beds of all three formations are found extensively in South Lorrain Township. The contact with the underlying basement is unconformable."

Coleman Formation (after McIlwaine 1970)

"In the nomenclature of Thomson (1957) the Coleman Formation is the lower part of the Gowganda Formation, and is named after Coleman Township, in which the Town of Cobalt is located.

In South Lorrain Township the Coleman Formation occupies most of the eastern half of the map-area. Its estimated maximum thickness is approximately 1,000 feet. More detailed information on the thickness is supplied by diamond-drill cores and underground work; most of this data is from within the diabase dome. Unless otherwise credited all information on drilling is from the files at the Resident Geologist's office of Cobalt, now at Kirkland Lake. A drill hole on claim T34065 southwest of Maidens Lake indicated a vertical thickness of 200 feet, and four holes on T34063 and T34064, nearby, gave thicknesses ranging from 180 to 270 feet. These holes were put down by E. B. E. de Camps in 1949 and 1954. Farther to the northeast a long hole collared near the south shore of Maidens Lake (claim T44062) indicated a vertical thickness of 780 feet, and another hole on the northeast side of the lake gave only 490 feet. Another drill hole southeast of Maidens Lake went through 350 feet of Coleman Formation; the shaft to the east on claim T19297 is reported to have gone through approximately 400 feet of sedimentary rocks before reaching the basement. These and other data (the drill hole data is from assessment files and the drill holes were not found by the author) suggest an irregular basement topography, on which the Coleman Formation was deposited, with the suggestion of a local trough trending east-northeast subparallel to the flanks of the diabase "dome". The only information on thickness outside the diabase "dome" is from a drill hole (not found by author) just north of the north boundary of HR18, northwest of Maidens Lake. Here the thickness was found to be 460 feet. Drilling to the southeast of Maidens Lake by Mining Corporation of Canada (1964) Limited indicated the thickness on their property to be about 100 feet, but this did not represent total thickness. South of the diabase "dome" the author has no information from drilling but using bedding attitudes and topography the author considers that it is in this area that the Coleman Formation reaches its estimated maximum thickness of approximately 1,000 feet. Locally the contact of the Coleman Formation rocks with the Archean basement is irregular, but on a regional basis the outcrops of the formation in South Lorrain Township represent the eastern portion of a northeasterly-trending basin. This basin starts in Riddell Township, to the southwest, and continues northeast through Sunrise Lake (Riddell Township) through South Lorrain Township to Windy Lake and continues north. The outline of this basin is evident on various maps (see Todd 1925, map; Thomson and Savage 1965). The lack of deformation in the Coleman Formation rocks, except in the vicinity of faults, would indicate that this basin

structure is owing more to basement topography than to post-depositional folding. The rocks of the Coleman Formation are a heterogeneous mixture of greywacke and quartzose siltstone, arkose, argillite, and conglomerate. The quartzose siltstone and greywacke are fine-grained greenish grey rocks consisting of sub-rounded to sub angular grains of quartz, feldspar, and rock fragments in a matrix of chlorite, mica, and silica; minor pebbles may be seen. The arkose is generally brown to pink in colour and slightly more coarse-grained than the quartzose siltstone and greywacke. Conglomerate pebbles, cobbles, and rare boulders (Photos 2 and 3) are generally pink granitic rocks with minor white granite, "greenstone", and diabase. They are generally subangular to sub-rounded and on the average range up to 6 to 8 inches in diameter.

No definite separation of the rock types was possible in mapping owing to their heterogeneous nature. At the top of the formation conglomerate dominates, as evidenced along the east shore of the Matabitchuan River, and to a lesser degree to the north. The beds are generally close to flat lying, except in the area of faults where they dip steeply. The rocks are schistose close to the Northeast Copper Lake Fault on the north shore of Cooper Lake. Todd (1925) considered these schistose rocks to be Archean, but the author

believes they are sheared rocks of the Coleman Formation. The bottom contact of the Coleman Formation is an unconformity, as shown by the nearly vertical dips of the underlying volcanic rocks and flat dips of the overlying sedimentary rocks. The granite forms the basement rock in the southeast

Previous workers have attributed a glacial origin to the Coleman Formation.

Firstbrook Formation (after McIlwaine 1970)

"The Firstbrook Formation was first described by Thomson (1957, p. 41-42) as being the upper part of the Gowganda Formation of Collins (1917). The type locality of the Firstbrook Formation is located in Firstbrook Township, 15 miles northwest of the map-area.

In South Lorrain Township the main area of exposure is a belt, roughly 1/4 to 1/2-mile-wide, striking north for almost the full length of the township, and offset by several faults. The best exposures are on the west shore of Fourbass Lake in central South Lorrain Township, and about 1/2 mile west of Highway 567 in the northern part of the township. A smaller area of outcrop is found north of the Upper Notch power station in northwest South Lorrain Township; to the south there are several out crops, in a north-south belt, that strongly resemble the Firstbrook Formation. The rocks designated Firstbrook Formation just west of Maidens Lake are considered to have been part of the main belt to the west prior to the intrusion of diabase.

The estimated thickness in the main belt varies from 500 to 700 feet, which is less than the 950 feet described by Thomson (1957, p. 41) for the type locality. The Firstbrook Formation is part of the same regional basin described in the section on the Coleman Formation.

The formation consists of laminated or varved, very fine-grained argillite, with alternating greyish red or greyish brown and greyish green layers, and quartzite. The varves are usually more easily seen on the weathered surface of the outcrop. The argillite is composed mainly of sub-rounded quartz grains, with minor feldspar, set in a chloritic matrix with minor sericite. There are also small amounts of opaque minerals. The quartzite is grey, well-bedded and harder than the argillite. It is also fine-grained.

The beds are gently dipping, for the most part, with a maximum dip of 30 degrees, and average dip of 10 to 15 degrees.

No contacts were observed with the underlying Coleman Formation but the contact with the Lorrain Formation appears gradational. Lorrain Formation rocks are more rounded in weathered outcrops than Firstbrook Formation rocks owing to the better-defined bedding in the latter.

Thomson (1966, p. 15-16) has suggested that the laminations or varves are due to seasonal deposition in a lake, possibly of glacial origin."

Lorrain Formation (after McIlwaine 1970)

"The Lorrain Formation was first named by Miller (1910, p. 75) because the type section was found in Lorrain Township. It is the youngest formation of the Cobalt Group in South Lorrain Township.

The Lorrain Formation is the most extensive rock type in the map-area; it covers almost all of the area west of the Montreal and Matabitchuan Rivers, plus several square miles east of the Montreal River in the

northern part of the township. The thickness of the formation is estimated to be from O to 1,200 feet. No confirming data is available from drilling.

The main rock types are flat-lying grey feldspathic quartzite, pale green quartzite, and pink arkose. The green quartzite locally grades to white ortho-quartzite. These rocks are fine-grained with lenses of medium- to coarse-grained material, and the occasional quartz-pebble lens. Close to the contacts of diabase dikes the rocks are red owing to the oxidation of ferrous iron to ferric iron. The grains of quartz, the most abundant mineral, are generally rounded; the feldspar grains have been altered; and the matrix is fine-grained silica with minor chlorite.

Beds are massive in the Lorrain Formation and data on bedding is difficult to find. Where bedding planes are found they have a gentle dip, the maximum angle being about 25 degrees. Slickensides were found in several of the shear faces of exposures in the area west of the Montreal River, suggesting deformation by faulting.

No contacts were observed with the underlying formations, but the contacts are assumed to be gradational. A small outcrop north of the Maidens Bay Road is a coarse-grained arkose, with feldspar grains up to a quarter inch, this arkose grades imperceptibly into the underlying granite. The width of the zone of gradation cannot be determined owing to the amount of overburden.

The Lorrain Formation appears to be a shallow water deposit derived from a granitic terrain."

Nipissing Diabase (after McIlwaine 1970)

"Intrusive into all older rocks is a massive unaltered mafic rock named the Nipissing Diabase by Miller (1910).

In South Lorrain Township the diabase is considered by the writer to be all one sheet, with numerous rolls, both major and minor. Local rolls around the mines are shown in Figure 2 (Chart A, back pocket). In the eastern part of the township the diabase is in the form of a dome, with the central part removed by erosion. The axis of this dome strikes north-northeast, and it is interesting to note the sub-parallelism of this axis to the margin of the basin of deposition of the Cobalt Group sedimentary rocks. The south flank of the dome dips steeply southeast, and the northwest and wider flank dips approximately 30 degrees west. The north contact of the northwest flank dips to the south and thus forms a minor basin within the dome. In the western part of the township a diabase dike, 1/4 mile-wide, strikes northeast and widens out to almost 3 miles forming a northerly plunging basin structure. Between the dome and this basin another larger lapolith-like basin is postulated, with a possible feeder below. It is suggested that the dike is the surface expression of this feeder. This western basin is connected to the eastern dome as shown on Map-2194 (back pocket) by the continuity of the diabase 1/4 mile south of Hermit Lake.

In hand specimen the diabase is a typical grey to black, fine- to medium-grained, fresh to slightly altered rock. There are areas of coarse-grained diabase that contain minor amounts of pink feldspar. Varied texture is apparent in certain exposures; a good example is the roadside outcrop approximately l mile southeast of the Upper Notch power station. No detailed petrographic study of the diabase was under taken. Such studies have been made in the Cobalt area by Hriskevich (1952); Satterly (1928) described the diabase in South Lorrain Township. Microscopic examination of a few thin sections shows it to be mainly

a quartz diabase with lath-shaped plagioclase crystals of labradorite composition in a pyroxene groundmass. The quartz is present mainly as micrographic intergrowths with the plagioclase. Minor amounts of opaque oxides, biotite, epidote, and chlorite are also present.

Much of the data on the thickness of the sill are from the area of the main mines; other figures given are mostly inferred. Information from the mines shows the diabase to be from 900 to 1,000 feet thick, with local variations. This figure represents the complete sill where it has been protected from erosion. Areas to the east have been exposed to erosion and the thickness of the sill is less than 900 feet. A drill hole on the north peninsula in Maidens Lake penetrated 95 vertical feet of diabase before encountering the underlying Coleman Formation. Approximately 400 feet south of the north boundary of T29490, east of Maidens Lake, a thickness of 130 feet was found, and on the boundary 200 feet of diabase were intersected. Near the adit on HR63, on the shore of Lake Timiskaming, drilling indicates a thickness of 175 feet and farther to the south, 50 feet. With these data, and taking topography into consideration, a maximum thickness of nearly 500 feet is inferred. The diabase northeast of Maidens Lake is the northern flank of the South Lorrain diabase dome and is considered to be a basin in itself.

A K-Ar age determination on the diabase near Cobalt gave a result of 2,095 million years (Lowden et al. 1963, p. 92). Previous geological maps of South Lorrain Township (Knight 1922, map; Todd 1925, map) have indicated the Nipissing Diabase to be Keweenawan in age, but the diabase must now be considered as pre-Keweenawan."

6.4 Mineralization

The Rabbit Lake Property area is located 67 km south of the historic Cobalt silver mine which includes historically significant Keeley-Frontier, Haileybury, and Bellellen mines. This mine is located in the eastern portion of the Cobalt Embayment (Figure 6.2) and is characterized by Archean metavolcanics and metasedimentary rocks which are unconformably overlain by Proterozoic rocks of the Huronian Supergroup. The Archean and Proterozoic rocks have been intruded by Nipissing Diabase sills on a regional scale, and its distribution may be structurally influenced by faults. A significant regional southeast trending fault system is located within the area and consists of the Montreal River, Cross Lake, and Timiskaming faults. This fault system is believed to be related to mineralization as most of the Ag-Co occurrences in the Cobalt Embayment are concentrated between Cross Lake and Montreal River faults (Faure et al., 2018).

The Rabbit Lake Property has a similar style of mineralization to the Cobalt Silver Mines, which is related to the Nipissing Diabase intrusion and is fault controlled. The typical style of mineralization is consistent with the Five-Element (Co-Ni-As-Ag-Bi) vein assemblage. It has been suggested that the origin and mechanism driving this style of mineralization is related to one of the following: (1) metal-rich aqueous fluids originating from late stage differentiation of the diabase sills and or the parent magma at depth; (2) convectively circulating fluids mobilized from the country rocks during cooling of the diabase intrusive complex; or (3) hydrothermal fluids originating from an unidentified external source unrelated to the diabase contact areas simply acted as a mechanically favourable host environment during regional faulting (Andrews et al. 1986).

Mineralization in the area appears to occur adjacent to or within mafic intrusions. Cobalt, gold, and nickel mineralization within the property occurs in an 18-inch-wide fracture zone in diabase as Co-Fe-Ni Arsenide and chalcopyrite. A grab sample collected by A.G. Burrows returned an assay of 8.76 % Cobalt, 6.56 % Nickel and 8.8 g/t Gold.

Figure 6.4: Simplified Geology of the Cobalt Embayment Area , illustrating the Main Zone of Mineralization and Mining Camps (Andrew et al. 1986).

7 Deposit Types

The principal deposit type outlined to-date on the Rabbit Lake Property is that of a Five-Element (Co-Ni-As-Ag-Bi) Vein style of deposit. The host rocks for this style of deposit can vary wildly however, there are some characteristics common among some. In a broad sense, host rocks may be characterized as crystalline or sedimentary, usually with little or no interbedded volcanics.

There are several features of host rocks which are important in controlling localization of ore, namely: diabase sills, sulphide-rich strata in crystalline rocks, carbonaceous shales, and sulphide-rich meta-volcanic rocks (Kissin 1992). Sedimentary host rocks are present at Thunder Bay and Cobalt-Gowganda district (Figure 8.1) where some deposits are wholly located within the Nipissing Diabase sills which cut across Archean basement, some are located in the shale-rich areas of the Coleman Formation, and others within the Coleman Formation but below the Nipissing Diabase (Kissin 1992). These types of deposits generally occur continentally in areas of rifting or extension, and it is believed that they formed between the early Proterozoic to the Tertiary as no older deposits are known (Kissin 1992). These deposits appear to have some association with mild propylitic alteration followed by phases of distinct vein assemblages which are deposited by open-space filling (Kissin 1992). This recurrent mineral sequence is visible in most deposits and is summarized as Stage 1: early barren stage, Stage 2: Uraninite stage, Stage 3: Ni-Co arsenide-silver stage, Stage 4: sulphide stage, and Stage 5: late stage. These five stages represent the complete idealized paragenesis sequence, however one or more stages may be absent in any given deposit (Kissin 1992). The genesis style of deposit is difficult to ascertain as the mechanism responsible for its origin may vary from deposit to deposit. Various theories have been proposed and include hydrothermal/magmatic model, hydrothermal/metamorphic model, syngenetic model, and the non-magmatic model. The most plausible and widely applicable model theory is the non-magmatic model whereby the driving mechanism is continental rifting, and the solution is mobilized formational waters, however this model may not fit very deposit style (Kissin 1992).

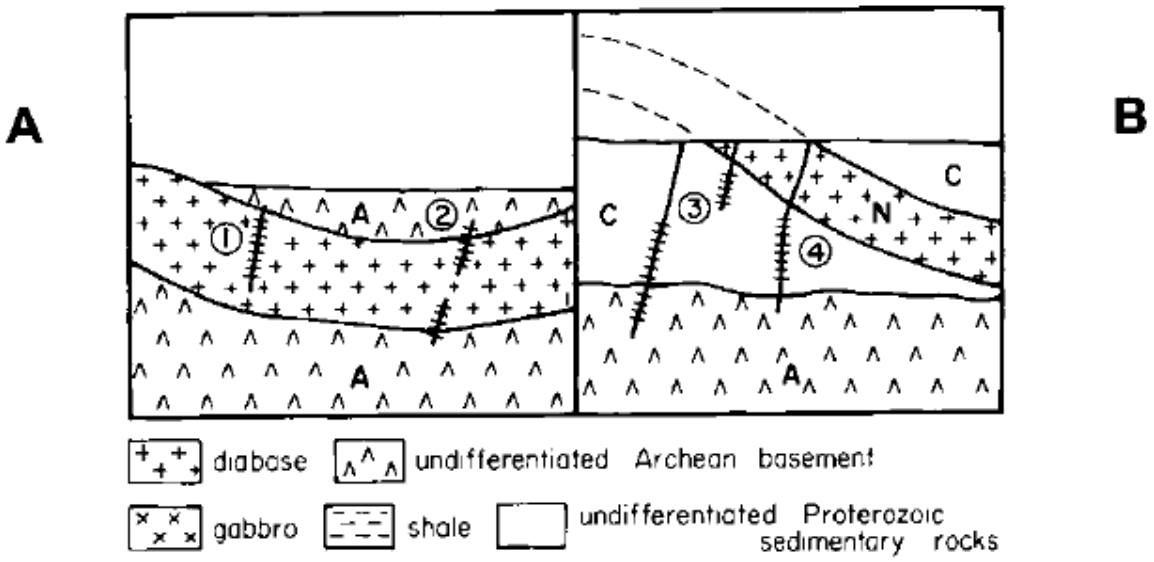

Figure 7.1: Schematic Cross-Section of the Relationship of Veins to Geological Units at Cobalt-Gowganda District in Ontario, Canada (Kissin 1992).

8 Exploration

8.1 2021 Exploration Program

At the request of Quantum Battery Metals Corp., Longford Exploration Services Ltd. mobilized a field crew consisting of Wade Kornik and Mark Rochefort to the Rabbit Lake Property on Sept 6th, 2021. The prospecting, bedrock mapping, and soil sampling program ran from September 7th to September 13th, 2021.

8.1.1 Prospecting, Mapping and Soil Sampling Program

A short prospecting, bedrock mapping, and sampling program was carried out from Sept 6th to Sept 13th, 2021, targeting the diabase on the Property. Wade Kornik and Mark Rochefort carried out the exploration program and collected a total of 14 rock samples and 95 soil samples. Analytical certificates for rock and soil samples are available in APPENDIX B and C, respectively.

Prospecting, bedrock mapping and soil sampling activities were carried out in the southwestern, and mid-eastern portions of the Property (Figures 8.1 to 8.14). Bedrock mapping activities identified three main lithological units (Figures 8.1 and APPENDIX A), consisting of diabase, granitic suite, and Huronian sediments. Considerable outcrop exposure was observed over the claim area, especially in elevated areas and areas of probable fault bounded troughs. Abundant outcrops of diabase were observed and were somewhat variable in grain size, texture, colour, and magnetic response. There appeared to be at least two phases of diabase, one of which was dark black, medium to coarse grain size, and strongly magnetic. This darker unit was most prominently observed south of Rabbit Lake, on the eastern side of the claims. While abundant structures were observed, no significant evidence of alteration oxidation or mineralization was observed in the diabase anywhere. The granitic suite was highly variable but was easily recognized in the main structure where the soils grid was (locally) substantially quartz-veined and disrupted; however, no sulphides or oxidation was observed in the granitic suite (although, it was also not the target unit).

The geochemical soil sampling program was carried out in the southeastern portion of the Property. The soil program was designed to target the contact of the Nipissing diabase as well as the mapped regional fault. The soil profile in the soil grid area was generally well developed but, had a shallow profile due to shallow bedrock depth. A black organic layer was ubiquitous and found below a light grey leached horizon approximately 0-5 cm thick. The targeted light brown B Horizon was found directly below the light grey (leached) zone in areas where the bedrock was not too shallow.

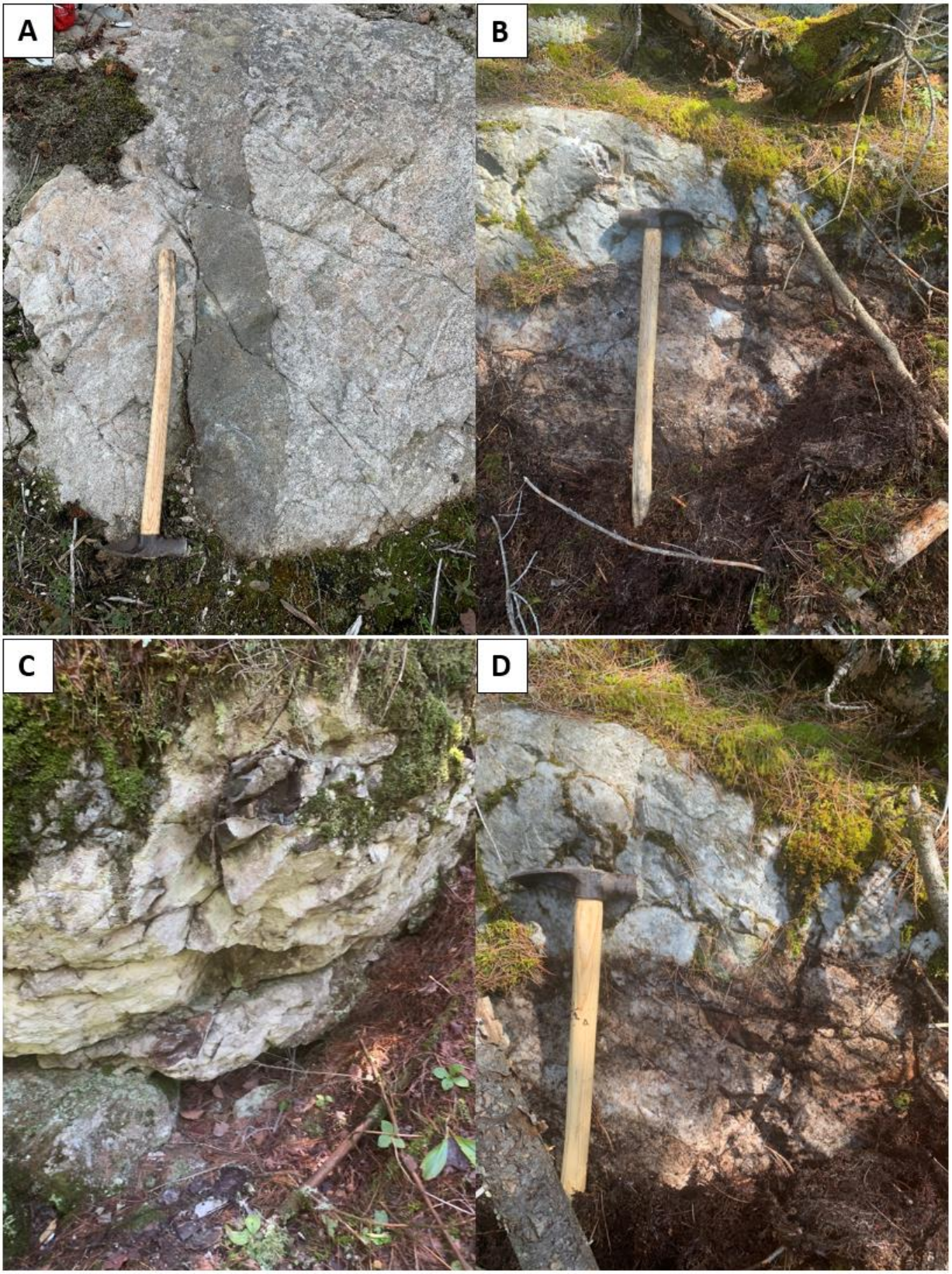

Figure 8.1: 2021 Rabbit Lake Property Outcrop Exposures . A): Mafic Dyke in Granitic Intrusion; B): QCV in Granitic Intrusion; C): QCV in Diabase; D): QCV in Granitic Intrusion.

8.1.2 Rock Sampling Results

A total of 14 Rock samples were collected and were submitted for analysis to Bureau Veritas in Vancouver, BC. Multiple methods were performed on the samples as detailed in Appendix B. Rock sample results are shown in Table 8.1 and Figures 8.3 to 8.8 below.

Figure 8.2: 2021 Rabbit Lake Rock Samples . A) Sample 4032416; B): Sample 4032417; C): Sample 4032418; D): Sample 4032419; D): Location of Sample 4032418.

Table 8.1 Rock Sample Coordinates and Assay Results.

Sample No.	Easting	Northing	Sample Type	Sample Source	Lithology	Alteration	Co (ppm)	Ag (ppm)	Bi (ppm)	Ni (ppm)	Cu (ppm)	As (ppm)	Description
282604	599075	5198363	grab	OC	Granitic Intrusive	na	2	0.15	1.5	1	7	3	Pink mg; highly weathered bleached pink on fresh surfaces; no visible alt. / mineralization
282605	599012	5198492	grab	OC	Granitic Intrusive	chl	21	0.15	1.5	59	129	3	grey-green-brown' fg-mg' high weathered; mod. Chl & Hem. Alt; loc. Vfg py >0.25%
282606	599030	5198951	grab	OC	Nippissing Dia.	na	22	0.15	1.5	40	134	4	grey/black; mg; brown on weathered surface; alt/na; loc. Vfg p>0.25%
282607	601770	5199594	grab	OC	Nippissing Dia.	na	11	0.15	1.5	15	9	3	grey; mg-coarse gr; alt. n/a min n/a;
282608	602014	5199697	grab	OC	Granitic Intrusive	Biotitic	22	0.15	1.5	52	100	1	grey-bleached ink on weathered surfaces; mg.; biotite alt.; min. n/c
282609	598766	5198782	grab	OC	QCV	na	0.5	0.15	1.5	0.5	2	1	Smky-grey-white; host by Dia; Az 032 dip 70 deg; min. n/a
282610	598908	5198780	grab	OC	Nippissing Dia.	chl.	22	0.7	1.5	54	97	4	Green-grey; mg; chl alt.; min. n/a
4032413	599416	5199208	grab	OC	Nippissing Dia.	chl.	19	0.15	1.5	70	93	3	Green-grey; mg; chl alt.; min. n/a
4032414	599536	5199194	grab	OC	Nippissing Dia.	chl.	15	0.15	1.5	43	106	4	Green-grey; mg; chl alt.; min. n/a
4032415	599296	5199091	grab	OC	Nippissing Dia.	chl.	21	0.15	1.5	42	141	2	Green-grey; mg; chl alt.; min. n/a
4032416	599164	5199107	grab	OC	Nippissing Dia.	chl.	23	0.15	1.5	47	143	4	Green-grey; mg; chl alt.; min. n/a
4032417	602393	5200022	grab	OC	Nippissing Dia.	chl.	21	0.15	1.5	30	113	3	Green-grey; mg; chl alt.; min. n/a
4032418	602521	5200005	grab	OC	Nippissing Dia.	chl.	34	0.4	1.5	9	43	3	Green-grey; mg; chl alt.; min. n/a
4032419	602885	5199972	grab	OC	Nippissing Dia.	chl.	22	0.15	1.5	43	114	2	Green-grey; mg.;chl alt.; min. n/a

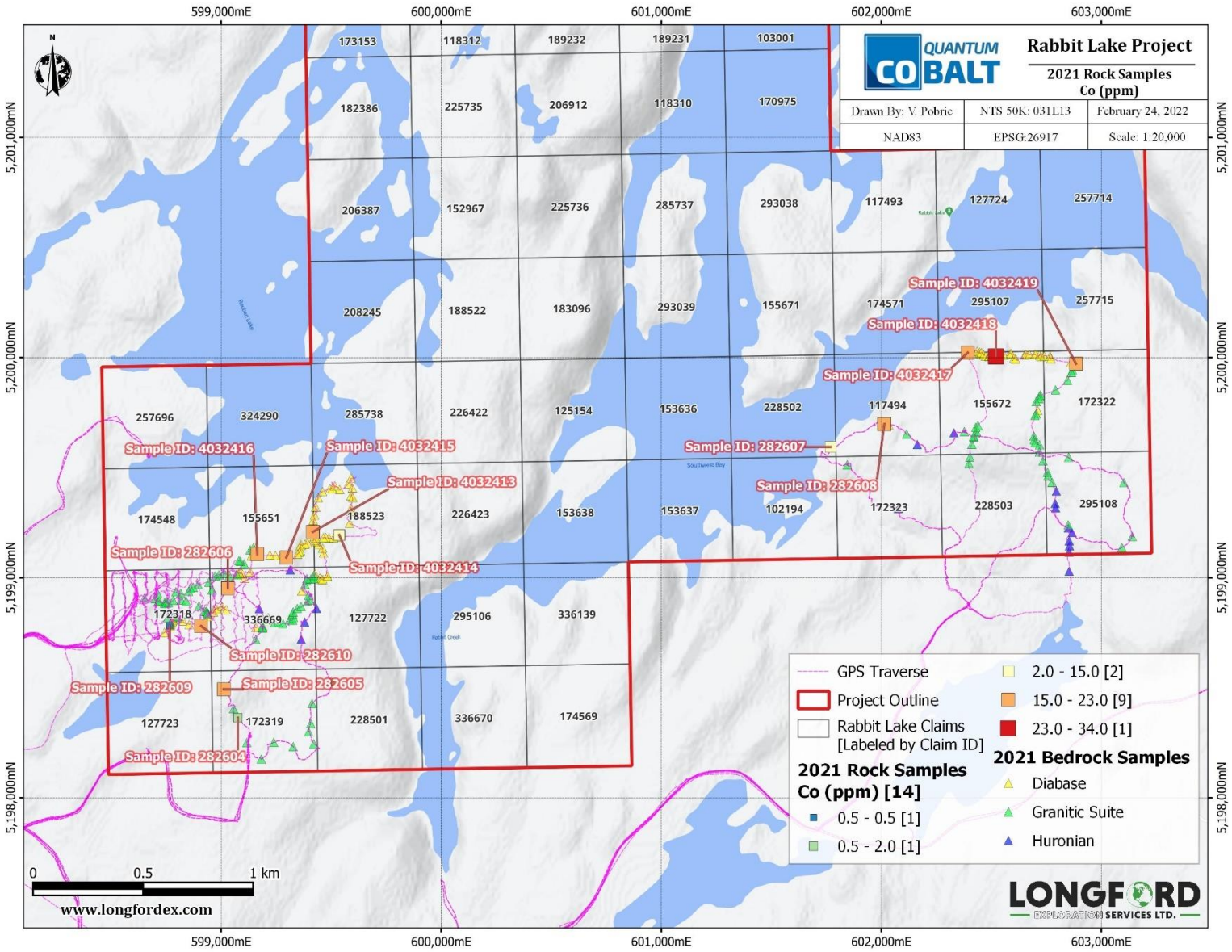

Figure 8.3: 2021 Rabbit Lake Property Cobalt in Rocks (ppm Co).

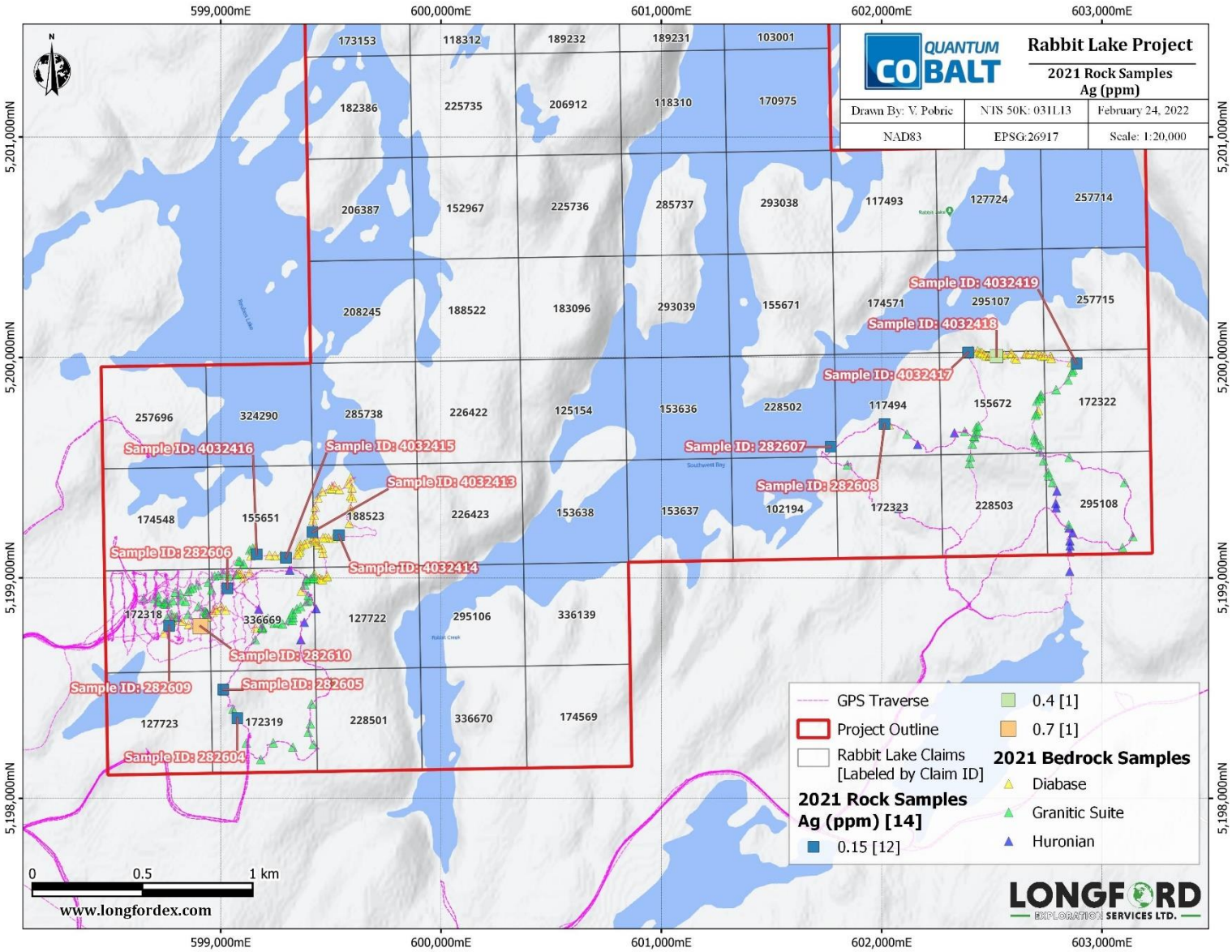

Figure 8.4: 2021 Rabbit Lake Property Silver in Rocks (ppm Ag).

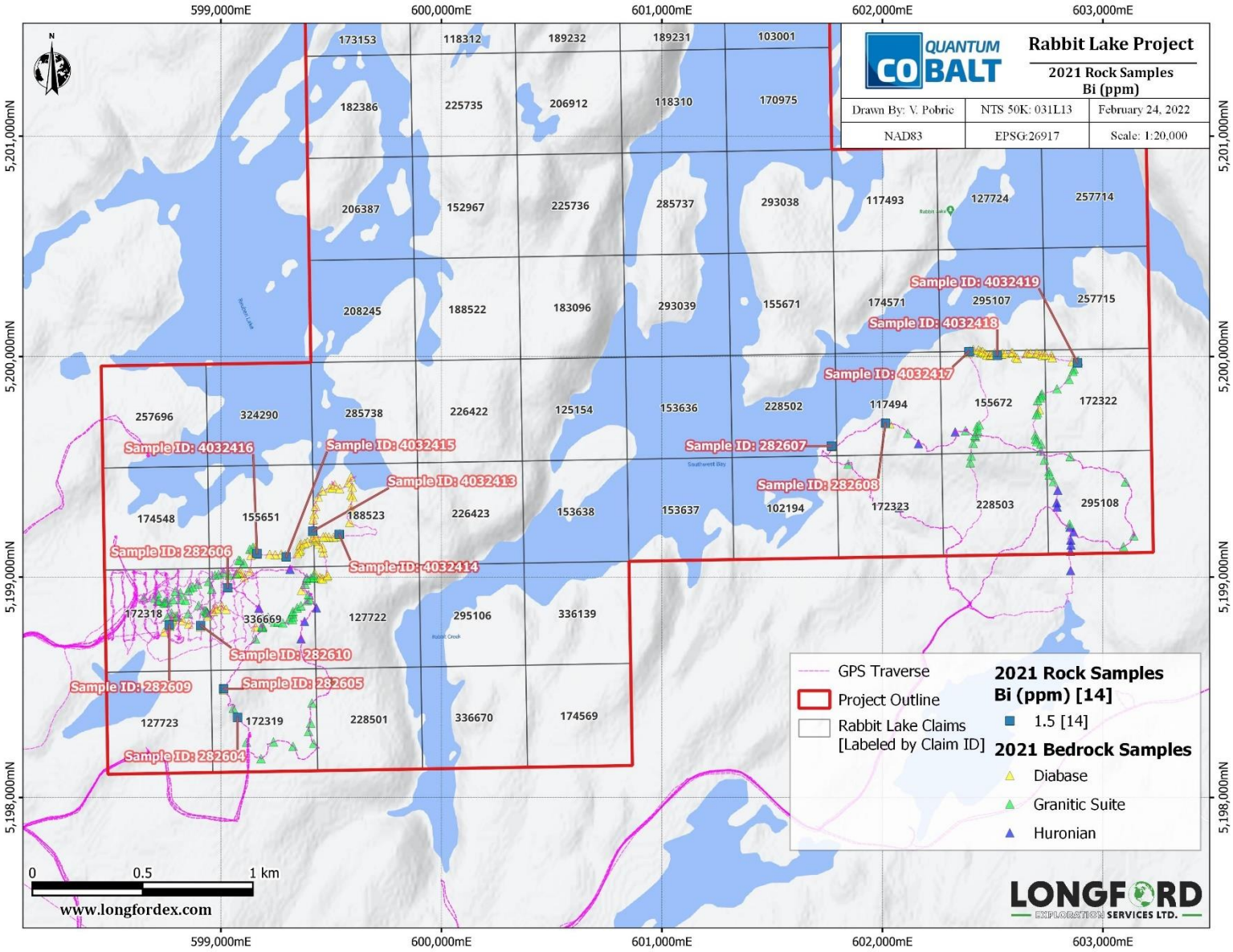

Figure 8.5: 2021 Rabbit Lake Property Bismuth in Rocks (ppm Bi).

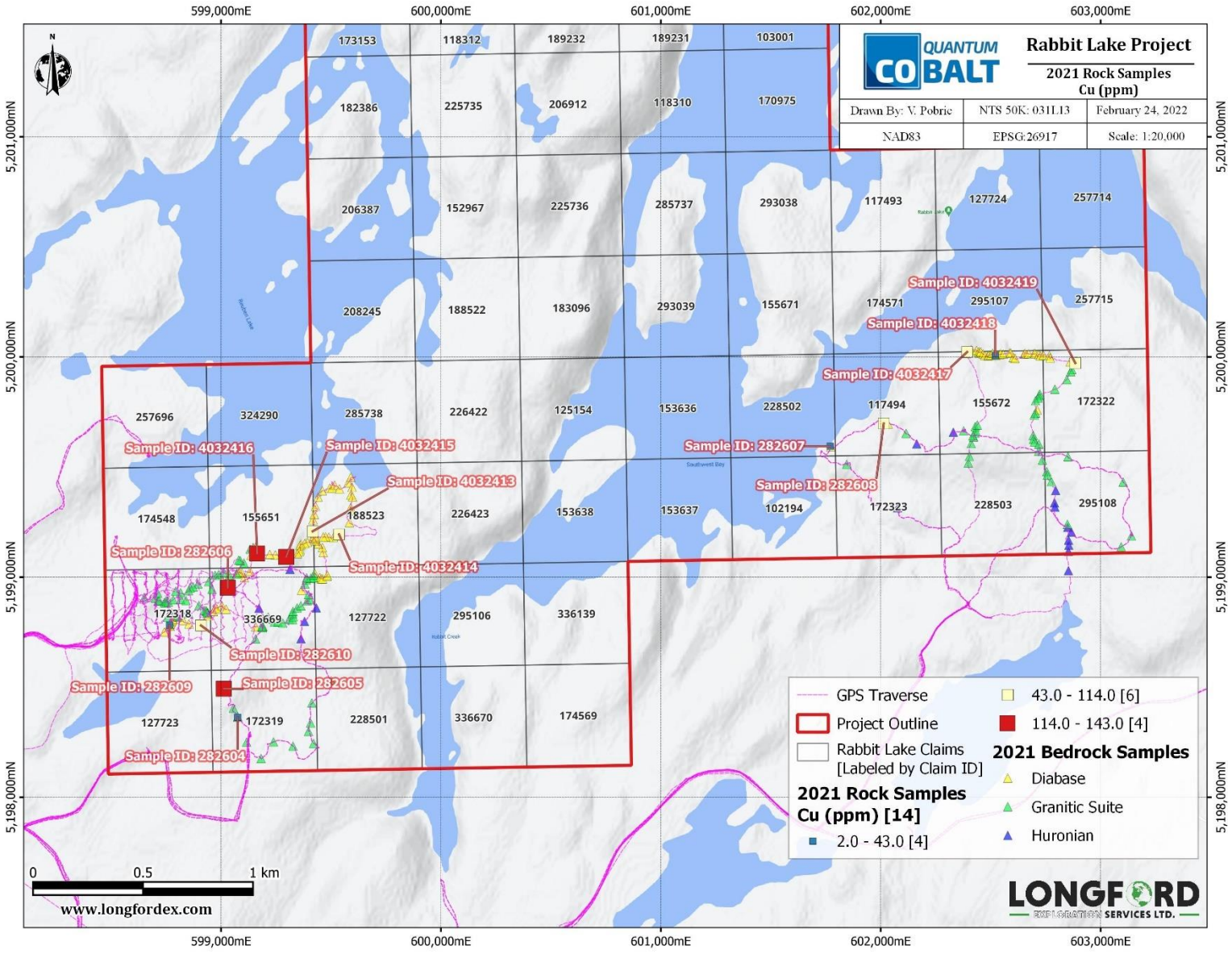

Figure 8.6: 2021 Rabbit Lake Property Copper in Rocks (ppm Cu).

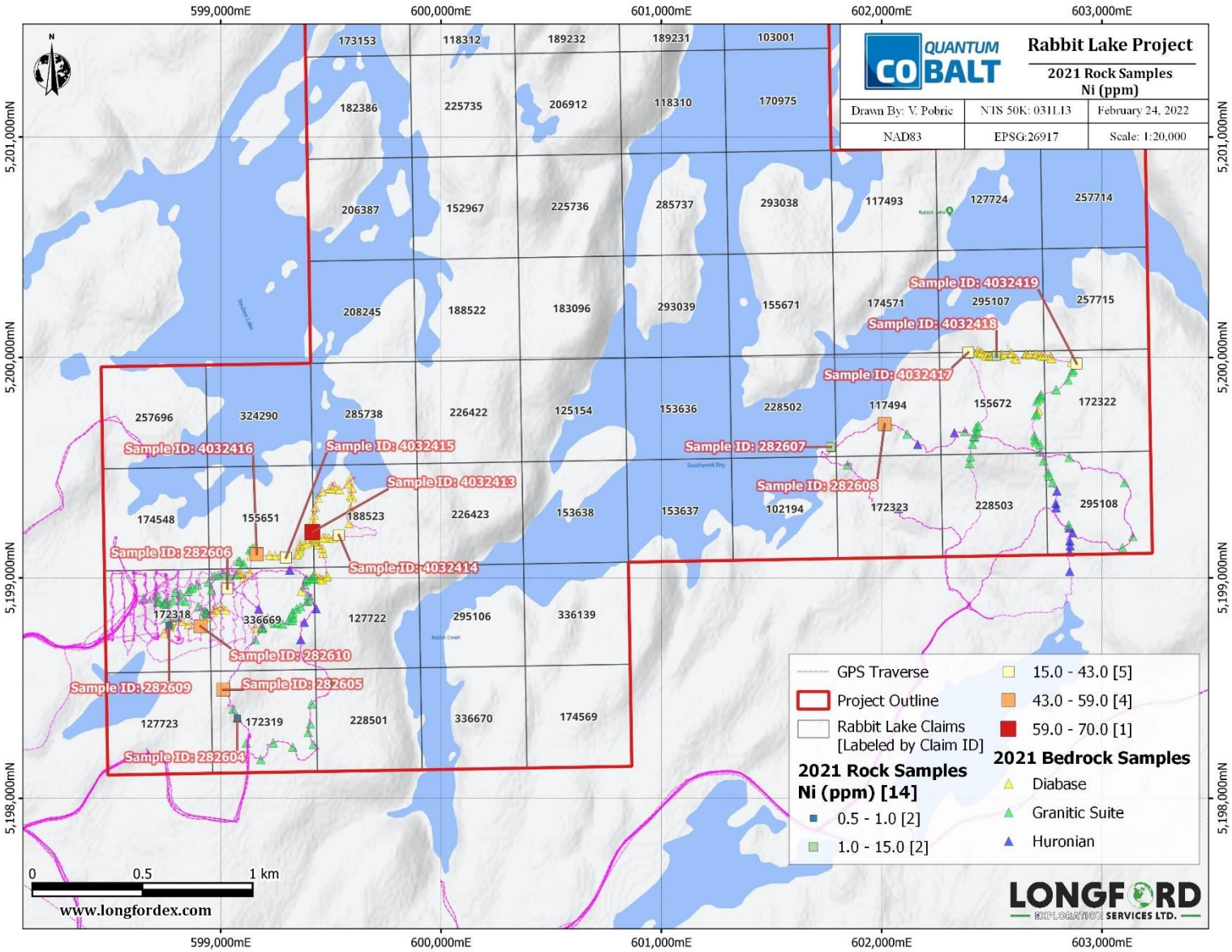

Figure 8.7: 2021 Rabbit Lake Property Nickle in Rocks (ppm Ni).

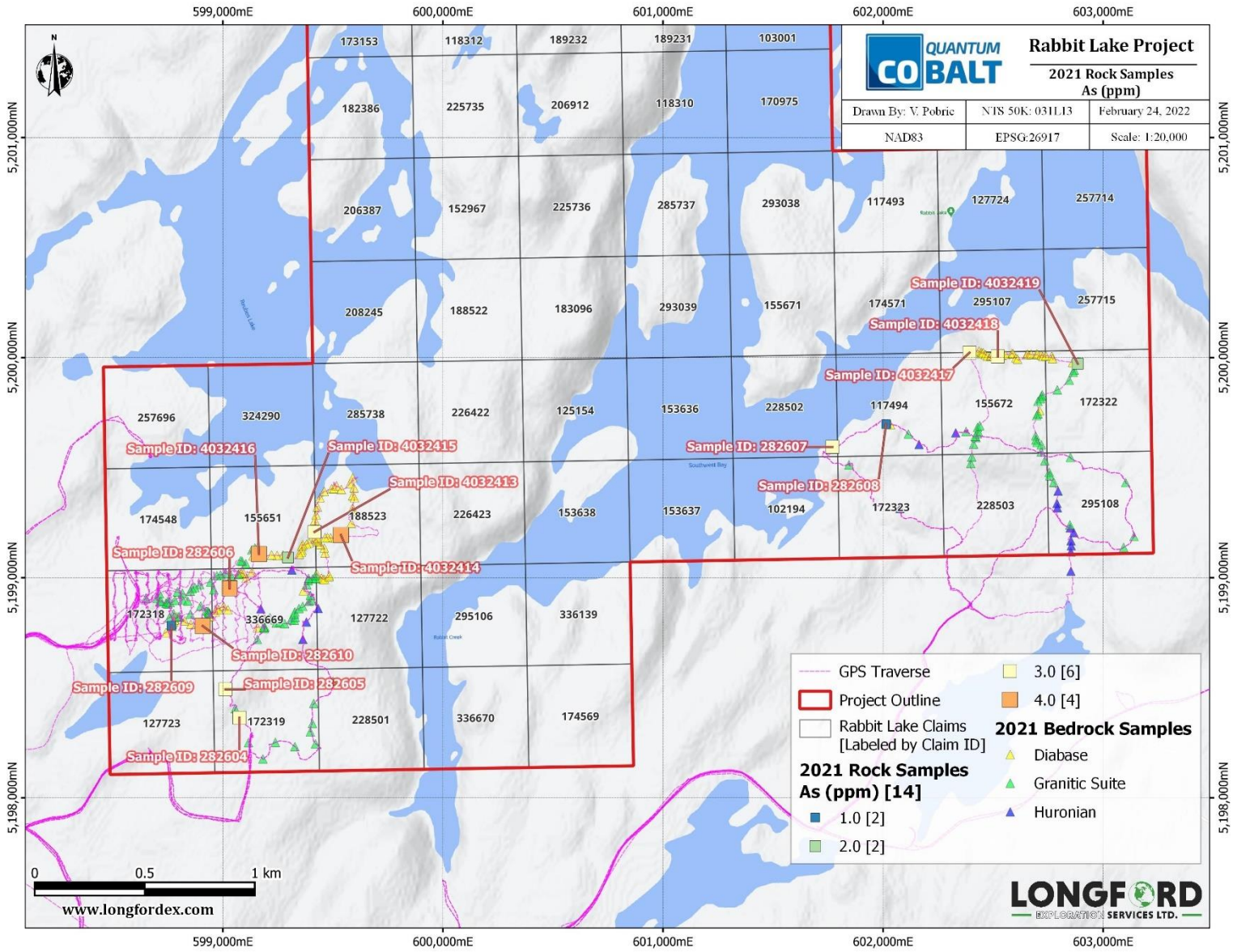

Figure 8.8: 2021 Rabbit Lake Property Arsenic in Rocks (ppm As).

8.1.3 Soil Sampling Results

A total of 95 soil samples were collected and were submitted for analysis (Table 8.2) at Bureau Veritas in Vancouver, BC. Assay certificates are available in APPENDIX C.

Sample Locations are shows on Figures 8.9 to 8.14 below.

Table 8.2: Soil sample coordinates and assay results.

Sample ID	Easting	Northing	Grain Size	Soil Horizon	Depth (cm)	Co (ppm)	Ag (ppm)	Bi (ppm)	Cu (ppm)	Ni (ppm)	As (ppm)
282509	598509	5198714	fine	B	10	4.9	0.05	0.4	11.3	17.6	4.4
282510	598508	5198764	fine	B	10	7.7	0.05	0.3	19.5	26.7	5
282511	598514	5198821	fine	B	10	5.8	0.05	0.2	13.5	20.5	3.7
282512	598504	5198875	fine	B	10	3.3	0.05	0.2	6.7	11.3	2.2
282513	598504	5198913	fine	B	20	1.6	0.05	0.1	7.3	5.5	1.5
282514	598507	5198968	fine	B	100	4.1	0.05	0.2	11.4	17	3.1
282515	598507	5199022	fine	A	25	3.5	0.4	0.7	234.3	49.4	3.2
282516	598559	5199022	fine	B	20	12.7	0.3	0.6	49.8	44.1	6.4
282517	598554	5198972	fine	B	20	7.7	0.05	0.1	15.2	25.4	4
282518	598552	5198931	fine	B	15	4.2	0.2	0.2	11.6	13.7	2.7
282519	598564	5198872	fine	B	10	3.9	0.1	0.2	13	16.4	3.3
282520	598563	5198819	fine	B	10	9.7	0.1	0.1	23.2	28.1	2.6
282521	598553	5198768	fine	B	10	0.6	0.05	0.2	6.4	4.4	1
282522	598558	5198716	fine	B	10	4.3	0.05	0.2	11.1	15.8	2.3
282523	598604	5198721	fine	B	10	8.4	0.1	0.2	14.7	33.5	2.5
282524	598612	5198770	fine	B	10	4	0.05	0.2	11.8	14.4	2.3
282525	598604	5198819	fine	B	10	9.7	0.05	0.1	16.2	29.9	2.2
282526	598611	5198873	fine	B	10	4.6	0.05	0.2	10.1	13.8	2.8
282527	598606	5198924	fine	B	20	3.2	0.05	0.2	8.9	8.5	3
282528	598606	5198970	fine	B	10	8	0.2	0.5	31.1	34.7	3.3
282529	598603	5199026	fine	B	10	6.5	0.1	0.2	20.3	24.5	3.3
282530	598659	5199019	fine	B	10	3	0.05	0.3	24.5	14.1	6.3
282531	598652	5198971	fine	B	25	4.7	0.1	0.2	7.9	16.4	2.5
282532	598659	5198921	fine	B	10	8.9	0.1	0.1	11.8	31.3	2.5
282533	598656	5198869	fine	B	10	7.7	0.2	0.2	15.7	25.1	3.8
282534	598660	5198823	fine	B	10	15.7	0.1	0.3	13	48.8	1.6
282535	598655	5198768	fine	B	10	4.5	0.1	0.3	20.2	20.4	5.3
282536	598713	5198717	fine	B	15	7.3	0.2	0.3	17.4	20.1	6.2
282537	598702	5198819	fine	B	20	4.1	0.1	0.4	16.4	14.5	3.1
282538	598701	5198871	fine	B	15	2.6	0.05	0.2	10.4	9	2.9
282539	598705	5198919	fine	B	15	3.8	0.05	0.1	8.3	12.7	2.2
282540	598711	5198970	fine	B	15	2.3	0.05	0.2	8.7	7.9	2.4
282541	598702	5199019	fine	B	10	2.3	0.05	0.2	8.6	8.8	2.3
282542	598745	5199022	fine	B	15	1.8	0.2	0.2	10.2	8.3	3
282543	598763	5198966	fine	B	20	4.5	0.05	0.1	17.1	15.1	2.9

Sample ID	Easting	Northing	Grain Size	Soil Horizon	Depth (cm)	Co (ppm)	Ag (ppm)	Bi (ppm)	Cu (ppm)	Ni (ppm)	As (ppm)
282544	598757	5198923	fine	B	20	7.6	0.05	0.05	24.7	24.8	1.7
282545	598760	5198872	fine	B	10	3.7	0.05	0.4	19.3	17.8	6.2
282546	598754	5198779	fine	B	15	2.5	0.05	0.2	8.3	10.3	2.8
282547	598767	5198728	fine	B	25	1.2	0.05	0.2	14.4	4.5	1.9
282548	598808	5198723	fine	B	15	2.5	0.05	0.3	8	7.8	1.4
282549	598801	5198764	fine	B	15	6.7	0.1	0.2	13	17.5	4.6
282550	598805	5198814	fine	B	15	1.1	0.05	0.3	10.6	9.4	1.7
282551	598806	5198874	fine	B	15	6.9	0.05	0.2	14.8	20.5	3.2
282552	598806	5198930	fine	B	10	2	0.05	0.2	13.2	7.6	3.4
282553	598804	5198967	fine	B	10	0.8	0.05	0.1	16.8	7.8	0.9
282554	598813	5199027	fine	A	100	3.4	0.2	0.3	74.8	14.6	1.6
282555	598868	5199027	fine	B	15	4.5	0.05	0.1	12.1	14.6	2.1
282556	598862	5198966	fine	B	10	4.7	0.05	0.2	17.4	16.9	4.3
282557	598853	5198918	fine	B	15	0.3	0.05	0.2	7.6	2.9	0.8
282558	598860	5198863	fine	B	15	8.3	0.05	0.2	37.3	32.5	5.2
282559	598861	5198814	fine	B	20	2.2	0.05	0.3	14.8	11.1	5
282560	598860	5198763	fine	B	20	1.6	0.05	0.7	48	15.7	3.9
282561	598851	5198715	fine	B	15	1.4	0.05	0.2	13.4	4.7	2
282562	598911	5198718	fine	B	20	5.3	0.05	0.3	19.4	21.6	2.8
282563	598908	5198766	fine	B	15	7.9	0.05	0.2	33.5	25.8	4.7
282564	598906	5198818	fine	B	25	5.1	0.05	0.1	11.8	18.5	1.8
282565	598909	5198860	fine	B	20	5.1	0.2	0.3	42.4	23.2	1.6
282566	598911	5198917	fine	B	15	1.7	0.05	0.2	8.8	6	1.2
282567	598906	5198968	fine	B	25	4.1	0.05	0.2	16.1	14.6	4.4
282568	598907	5199020	fine	B	15	5.7	0.05	0.2	16.8	20.2	4.8
282569	598959	5199019	fine	A	15	2.3	0.1	0.3	29.6	19.2	2.4
282570	598955	5198973	fine	B	15	6.6	0.05	0.2	15	19.2	4.4
282571	598964	5198918	fine	B	20	5.2	0.05	0.2	13	16.3	3.4
282572	598961	5198868	fine	B	30	10.7	0.1	0.05	25.8	29.8	1.7
282573	598961	5198814	fine	B	15	6.9	0.2	0.3	20	14.8	1.7
282574	598959	5198766	fine	B	20	5.6	0.05	0.1	20.8	19.2	3.6
282575	598961	5198721	fine	B	15	1	0.05	0.1	11.1	3.2	0.7
282576	599007	5198714	fine	A	15	1.9	0.05	0.4	22.7	10.2	3.8
282577	599006	5198765	fine	A	10	0.8	0.05	0.4	29.1	6.2	1.4
282578	599008	5198814	fine	B	20	2.6	0.05	0.2	15.3	9.1	2.9
282579	599009	5198862	fine	B	25	4	0.05	0.2	20.8	14.8	7
282580	599008	5198919	fine	B	30	5.8	0.05	0.2	17.5	20.9	4.2
282581	599010	5198967	fine	A	10	4.9	0.2	1.7	81.5	50.1	7.3
282582	599011	5199019	fine	B	25	3.3	0.05	0.4	23.4	17.3	5.4
282583	599060	5199028	fine	B	20	2.8	0.05	0.2	10.9	9.7	3
282584	599055	5198972	fine	A	10	1.5	0.05	0.5	20.4	14.4	3.2
282585	599060	5198912	fine	A	10	2.3	0.05	0.5	29	9.2	2.8
282586	599061	5198869	fine	B	15	0.8	0.05	0.2	10.5	2.9	1.3
282587	599059	5198815	fine	B	10	3.6	0.1	0.6	35	16.1	5.7

Sample ID	Easting	Northing	Grain Size	Soil Horizon	Depth (cm)	Co (ppm)	Ag (ppm)	Bi (ppm)	Cu (ppm)	Ni (ppm)	As (ppm)
282588	599060	5198765	fine	A	15	5.7	0.2	1.1	61.6	39.4	8.9
282589	599058	5198713	fine	A	10	3.2	0.1	0.8	77.4	22.5	8
282590	599114	5198715	fine	B	15	6.2	0.05	0.1	12.7	20.8	2.2
282591	599108	5198763	fine	B	15	6.6	0.05	0.1	21.6	22.9	2.1
282592	599106	5198811	fine	B	15	6.9	0.05	0.1	22.1	24.1	1.3
282593	599101	5198868	fine	B	15	3.3	0.2	0.2	12.5	14.7	2
282594	599110	5198920	fine	B	15	8.1	0.1	0.2	14.4	22.5	2.4
282595	599109	5198968	fine	B	20	13.3	0.1	0.2	17	37.5	3.2
282596	599111	5199018	fine	B	15	3.2	0.05	0.2	7.7	11.1	1.8
282597	599159	5199019	fine	B	20	6.6	0.2	0.2	13.7	21.7	2.7
282598	599163	5198967	fine	B	15	6.5	0.1	0.1	14.1	21.2	2.3
282599	599164	5198920	fine	B	20	3.9	0.05	0.1	10.2	13.4	1.2
282600	599162	5198866	fine	B	15	2	0.1	0.2	10.6	6.8	3
282601	599157	5198820	fine	B	15	14.8	0.05	0.2	30.6	45.8	2.8
282602	599148	5198756	fine	B	10	7.1	0.05	0.1	13.7	22.4	1.3
282603	599151	5198706	fine	B	20	5.9	0.05	0.1	8.2	17.5	2.1

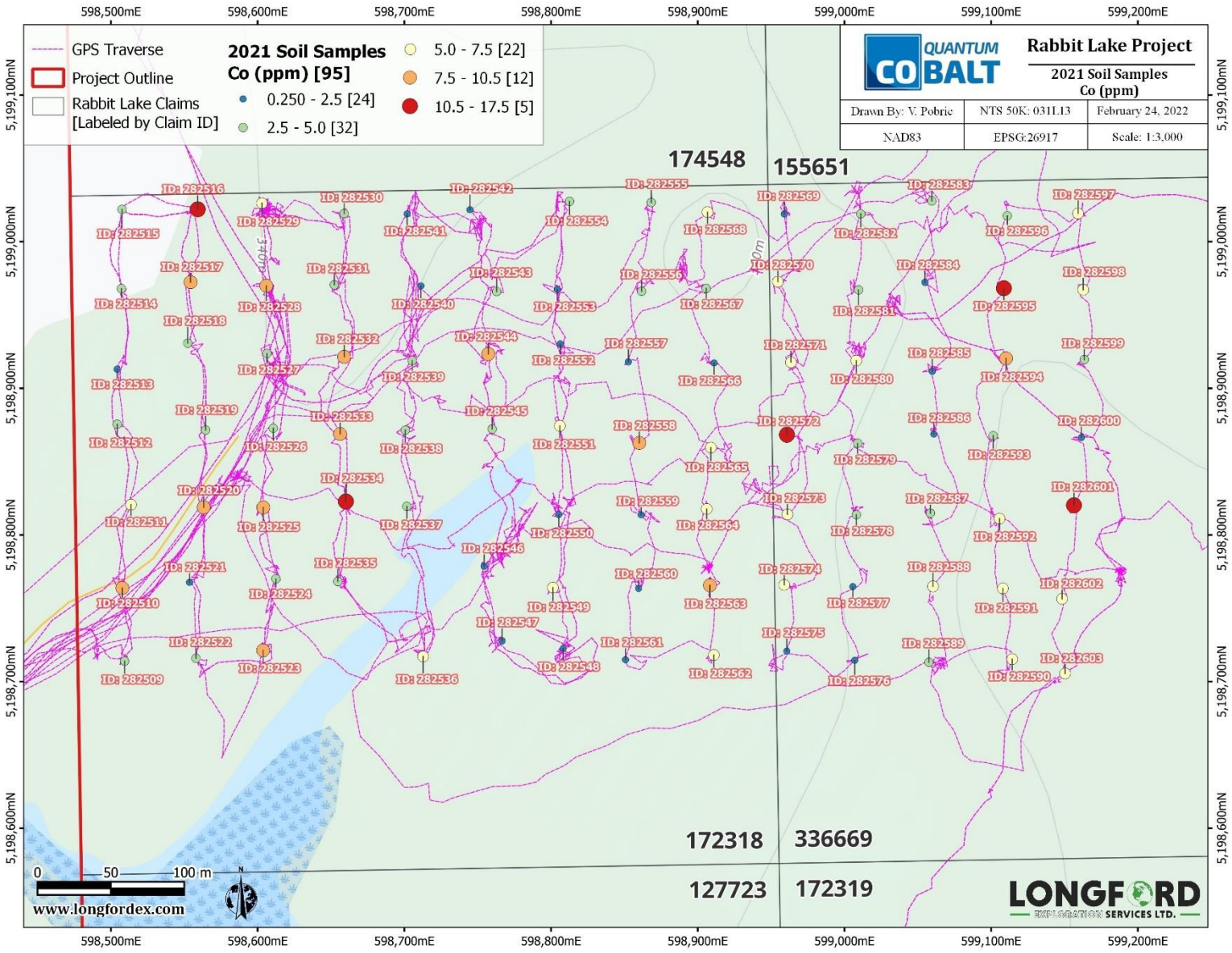

Figure 8.9: 2021 Rabbit Lake Property Cobalt in Soils (ppm Co).

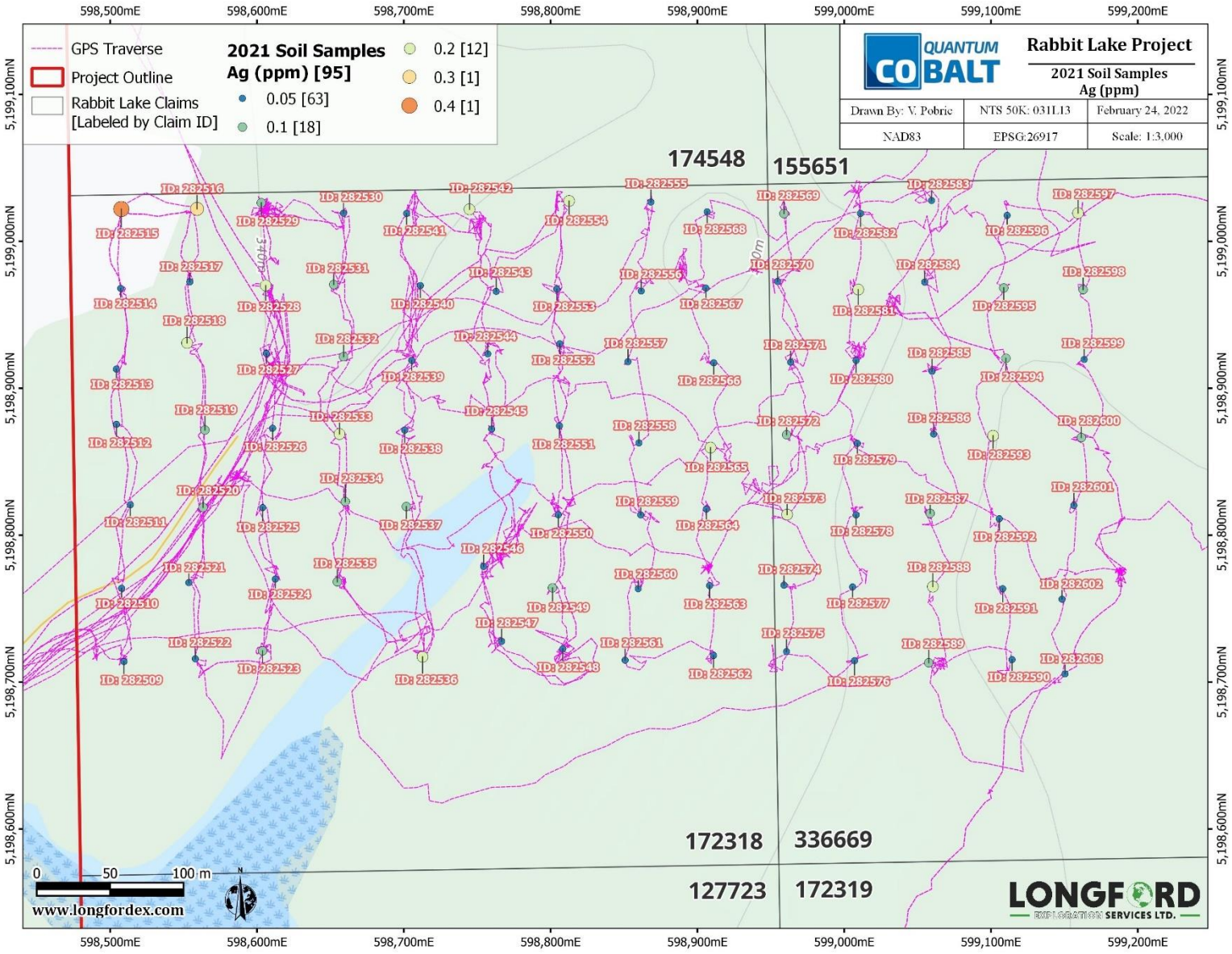

Figure 8.10: 2021 Rabbit Lake Property Silver in Soils (ppm Ag).

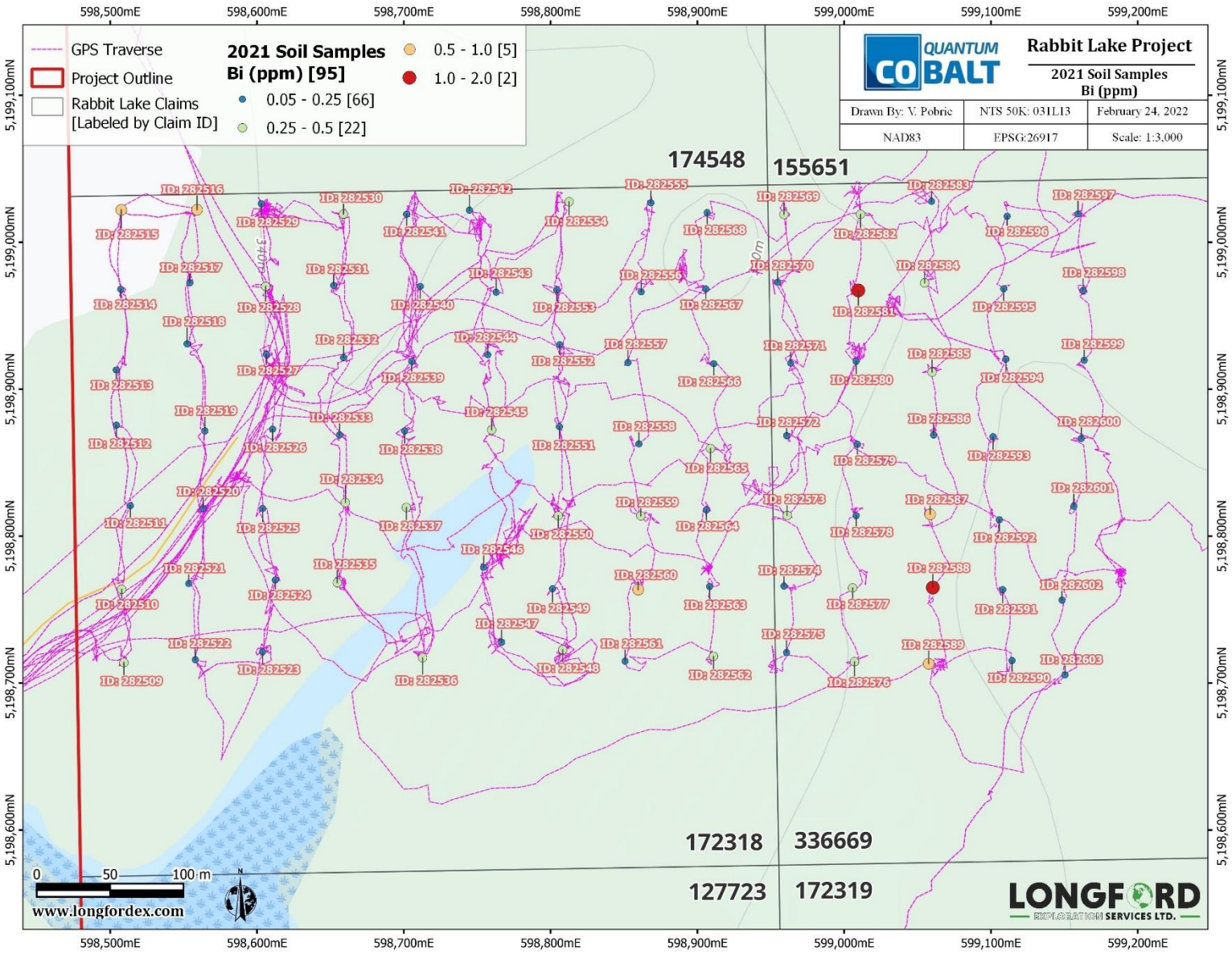

Figure 8.11: 2021 Rabbit Lake Property Bismuth in Soils (ppm Bi).

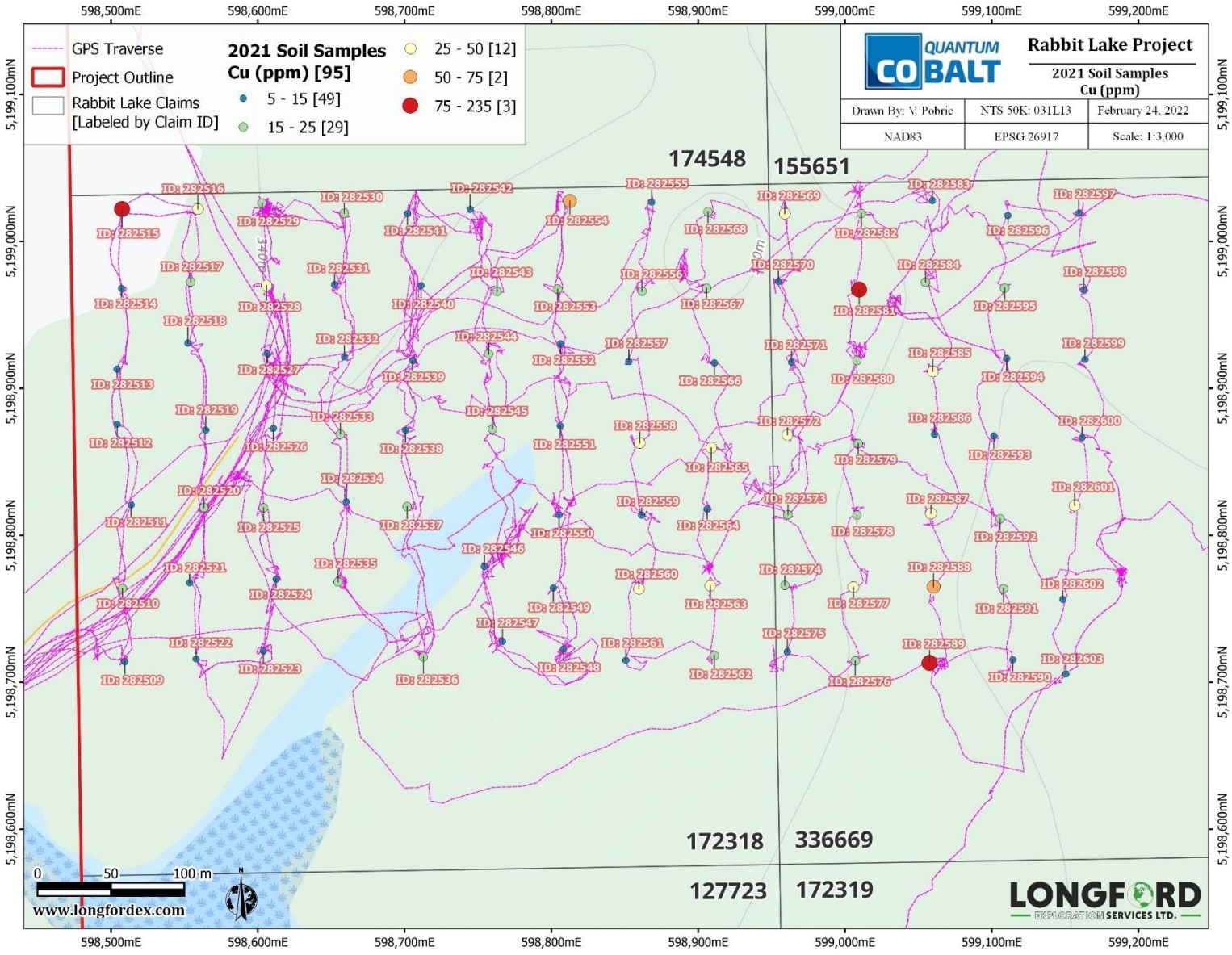

Figure 8.12: 2021 Rabbit Lake Property Copper in Soils (ppm Cu).

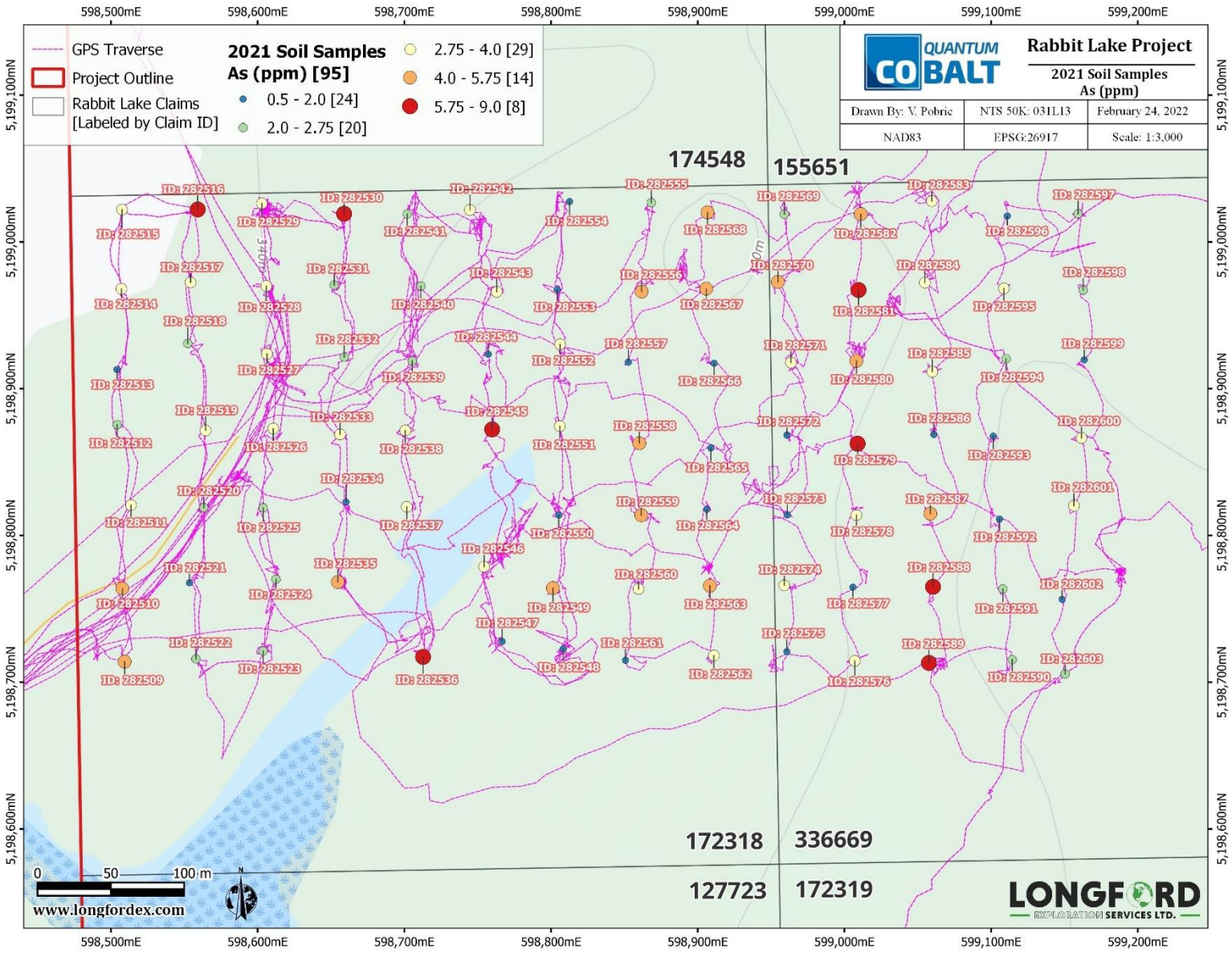

Figure 8.13: 2021 Rabbit Lake Property Arsenic in Soils (ppm As).

9 Statement of Costs

The following table describes the costs of the work program which are eligible for assessment credit. The amount being applied for is $40,945.75.

DATE: 2021-09-15

LONGFORD EXPLORATION SERVICES LTD.

SEND TO:
Quantum Battery Metals Corp
400-837 West Hastings Street
Vancouver, BC
V6C 3N6

Longford Exploration Services Ltd.
675-355 Burrard Street
Vancouver, BC
Canada V6C 2G8
778-809-7009

Rabbit Lake Invoice

Personnel			Days	Rate	Line Total
	James Rogers- Manager		1	$ 1,000.00	$ 1,000.00
	Project Geologist/Manager -	Sept 6 to Sept 13, 2021	8	$ 1,000.00	$ 8,000.00
	Geologist -	Sept 6 to Sept 13, 2021	8	$ 600.00	$ 4,800.00
		total man days	16	**Cat. Total**	**$ 13,800.00**
Food and Lodging			Units	Rate	Line Total
	Food and Groceries		16	$ 55.00	$ 880.00
	Lodging	Marsh Bay Cottages-Coleman, ON	16	$ 150.00	$ 2,400.00
				Cat. Total	**$ 3,280.00**
Transportation			Units/Days	Unit Price	Line Total
	Truck x2	1 ton with safety and recovery gear	16	$ 150.00	$ 2,400.00
	Fuel	per km for truck	1500	$ 0.65	$ 975.00
	Mobilization		2	$ 2,000.00	$ 4,000.00
				Cat. Total	**$ 7,375.00**
Equipment Rentals			Units	Unit Price	Line Total
	Misc Hand Tools	hammers, Mattocks, Augers, shovels	16	$ 20.00	$ 320.00
	Electronics Kit	Radios, Sat phones, GPS, per man day	16	$ 30.00	$ 480.00
				Cat. Total	**$ 800.00**
Consumable			Units	Unit Price	Line Total
	Field/Office Consumables	Sample Bags, Flagging Tape, notebooks	16	$ 20.00	$ 320.00
				Cat. Total	**$ 320.00**
Analytical			Units	Unit Price	Line Total
	Analysis - Soil	SS80, AQ200	95	$ 20.00	$ 1,900.00
	Analysis - Rock	PRP70-250, AQ300, FA430	14	$ 45.00	$ 630.00
	Sample Shipment		1	$ 500.00	$ 500.00
				Cat. Total	**$ 3,030.00**
Pre-Post Field			Units	Unit Price	Line Total
	GIS, Maps		1	$ 2,000.00	$ 2,000.00
	Report Preparation and Work Filing		1	$ 5,000.00	$ 5,000.00
				Cat. Total	**$ 7,000.00**
				Estimated Sub Total	**$ 35,605.00**
				Management 15%	**$ 5,340.75**
				SUB TOTAL	**$ 40,945.75**
				GST 5 %	**$ 2,047.29**
				Total	**$ 42,993.04**

10 Sample Preparation, Analysis, and Security

10.1 2021 Sampling Procedure

During the 2021 program a total of 14 rock samples and 95 soil samples were collected (Figure 10.1). These samples were collected to enable detailed description out of the field and were collected and secured in a manor where sample integrity and provenance is maintained for future analytical procedures.

Rock samples collected were located by GPS in NAD83 UTM Zone 17N, the sample location was recorded in field notebooks, an assay sample tag book and as a waypoint on a Garmin 60CSX GPS unit. Each sample was collected into its own 18" x 12" poly bag labeled with the locale (i.e., "Rabbit Lake") and a unique 7-character sample ID (i.e., E6690306) assigned from a barcoded Tyvek sample book. A tear-out tag with the barcode and unique sample ID was inserted in the bag with the sample and the bag sealed with a cable tie in the field. The sample locations are marked in the field with orange flagging type and the unique sample ID number written on the flagging tape.

A similar process was carried out for recording the soil sample data however soils were collected carefully by following strict guidelines. The grid soil sampling program that was carried out collected 95 soil samples and across the southwestern portion of the Property. Grid soil sampling was carried at 50 m intervals with a 50 m line spacing. All sample locations were recorded using a hand-held GPS unit. Sample sites were marked using aluminum tags labelled with the sample number affixed to a 50 cm wooden lath that was driven into the ground. The majority of soil samples were collected from 10 to 25 cm deep holes using hand-held geo-tools. Each soil sample was placed into individually labelled Kraft paper bags. No duplicate samples were collected during this program. Soil samples were then sent to Bureau Veritas in Vancouver, BC to be dried and screened to -200 microns. The fine fractions were then analyzed using an aqua regia digestion and using inductively coupled plasma-mass spectroscopy technique (ICP-MS).

10.2 Sampling Preparation and Analysis

The 14 rock samples and 95 soil samples were collected during the 2021 sampling program. Samples were submitted for analysis at Bureau Veritas in Vancouver, BC. on September 12, 2021, for the following processes:

Table 10.1: Rabbit Lake Rock and Soil Sample Analysis Methods.

Analysis Methods	Description
Analysis-Rocks	PRP-250, AQ300, FA430, [FS652 for Au > 2 g/t}
Analysis-Soils	DY060, SS80, AQ200

10.3 Adequacy of Procedures

All sample collection and analysis performed by the Longford Exploration field crew are in general conformance with industry best practices and are in accordance with typical CIM standards.

11 Interpretation and Conclusions

Prospecting and soil sampling activities on the Rabbit Lake Property in 2021 identified very low cobalt values in the southwestern portion of the Property. The best rock sample assay was found in rock Sample 4032418 collected on the eastern border of Rabbit Lake, which returned a value of 34 ppm Co (Table 11.1), which is somewhat elevated. The soil survey did not identify any significant cobalt values, overall, the highest values returned was 15.70 ppm Co (Table 11.2). The soil survey did, however, locate weakly anomalous values in silver, bismuth, copper, and nickel.

Background threshold values for soils were calculated using soil samples collected throughout the Rabbit Lake Property in both 2017 (126 soils samples) and 2021 (95 soil samples) to improve the sample data-set size. The 97.5th percentile is a commonly used benchmark for determining potentially anomalous values within a dataset, meaning that the top 2.5% of values within a geochemical population could be considered anomalous values. Threshold values are normally calculated using a very large set of samples; therefore, the calculated background and anomalous values in Table 11.3 are to be treated with some skepticism. It is also important to consider the underlying bedrock lithology, as different rock types naturally contain varying elemental concentrations (Table 11.4).

Based on the 221 soil samples collected across the Property to date, values greater than 25.8 ppm Co, 0.3 ppm Ag, 0.84 ppm Bi, 75.97 ppm Cu, and 45.09 Ni, and 15.78 ppm As, would be considered anomalous values (in the 97.5th percentile). Considering these threshold values, none of the soil samples were anomalous in cobalt, one sample was anomalous in silver (Sample 282515 returned 0.4 ppm Ag), two samples were anomalous in bismuth (Sample 282581 returned 1.7 ppm Bi, and Sample 282588 returned 1.1 ppm Bi), three samples were anomalous in copper (Sample 282515 returned 234.3 ppm Cu, Sample 282581 returned 81.5 ppm Cu, and Sample 282589 returned 77.4 ppm Cu), none of the samples were anomalous in arsenic (> 15.78 ppm As) and four samples were anomalous in nickel (Sample 282515 returned 49.4 ppm Ni, Sample 282534 returned 48.8 ppm Ni, Sample 282581 returned 50.1 ppm Ni, and Sample 282601 returned 45.8 ppm Ni).

The majority of these soil samples were collected across the Nipissing diabase (intermediate rock type), while the some of the northern and southern samples cross the granitic suite (felsic rock type). Considering the underlying geology of the soil grid against the calculated threshold values for determining background vs. anomalous values, the calculated elemental values do appear to be elevated for the respective rock types. The highest concentrations of Co, Ag, Bi, Cu, Ni, appear to occur near the mapped boundaries between the Nipissing diabase and granitic suite, while elevated concentrations of arsenic are widespread (naturally occurring concentrations are generally between 1.5 and 2 ppm, See Table 11.4). This distribution is consistent with known mineralized areas with the Cobalt embayment area.

Based on observations made in the field and assay results for both rock and soils during the 2021 field program, no significant signs of cobalt mineralization have been identified in the southwestern portion of the Property. Therefore, it is recommended that the next program focus efforts north of the 2017 soil sampling grid to expand the soil grid and carry out a soil sampling grid in the southeastern portion of the Property, where soil sampling has yet to be carried out.

Table 11.1: Statistical Table of Rabbit Lake Property Rock Assay Results (n=14).

Element	Mean (ppm)	Std. Dev. (ppm)	Max (ppm)	Min (ppm)	Range (ppm)	Mode (ppm)	Median (ppm)
Cobalt	18.25	8.74	34	0.50	33.50	22.00	21.00
Silver	0.21	0.16	0.70	0.15	0.55	0.15	0.15
Bismuth	1.5	0.00	1.5	1.50	0.00	1.50	1.50
Nickle	36.11	21.89	70	0.50	69.50	43.00	42.50
Copper	87.93	50.94	143	2.00	141.00	N/A	103.00
Arsenic	2.76	1.03	4	1.00	3.00	3.00	3.00

Table 11.2: Statistical Table of Rabbit Lake Property Soil Assay Results (n=95).

Element	Mean (ppm)	Std. Dev. (ppm)	Max (ppm)	Min (ppm)	Range (ppm)	Mode (ppm)	Median (ppm)
Cobalt	4.88	3.08	15.70	0.30	15.40	2.30	4.30
Silver	0.08	0.06	0.40	0.05	0.35	0.05	0.05
Bismuth	0.26	0.22	1.70	0.05	1.65	0.20	0.20
Nickle	21.63	26.35	234.30	6.40	227.90	13.00	14.80
Copper	18.37	10.54	50.10	2.90	47.20	14.60	16.40
Arsenic	3.15	1.66	8.90	0.70	8.20	2.80	2.80

Table 11.3: Threshold Values Calculated Using Rabbit Lake 2017 and 2021 Soil Sample Results (n=221).

Percentiles	Co (ppm)	Ag (ppm)	Bi (ppm)	Cu (ppm)	Ni (ppm)	As (ppm)
25th percentile	2.95	0.05	0.2	11.75	9.3	2.4
50th percentile	4.7	0.05	0.2	17	14.8	3.2
75th percentile	7.1	0.1	0.3	27.8	21.6	4.9
95th percentile	16.51	0.2	0.6	55.55	34.58	9.28
97.5 percentile	25.8	0.3	0.845	75.97	45.085	15.78

Table 11.4: Abundance Levels or Background of Elements in Common Rocks (GSNL, N.D).

Element	Crust	Mafic	Intermediate	Felsic
Cobalt	25	50	10	1
Silver	0.07	0.1	0.07	0.04
Bismuth	0.17	0.15	-	0.1
Nickle	75	150	20	0.5
Copper	55	100	30	10
Arsenic	1.8	2	2	1.5

12 Recommendations

Longford Exploration Services Ltd. proposes a crew of three to conduct a 4-day soil sampling and prospecting program (excl. mobilization) over the central and eastern portions of the Rabbit Lake Property. This soil program will serve to expand upon recent soil geochemistry surveys conducted by Longford Exploration Services Ltd. in 2017 and 2021, targeting contacts of the Nipissing diabase, mapped regional fault structures and the Rabbit Lake Occurrence in the north of the Property.

The proposed work area for soil sampling is shown on Figure 12.1 below. The northern grid aims to investigate trace cobalt anomalism identified by Longford's 2017 soil program in addition to the area surrounding the Rabbit Lake Mineral Occurrence, consisting of approximately 100 soil samples. Local mineralization has been identified within a fracture zone, hosted by Nipissing diabase at a contact between the intrusive diabase and the Gowganda Formation. Thus, both northern and eastern soil grids are positioned to investigate diabase contacts in addition to local fault structures. The eastern grid is proposed to consist of approximately 200 soil samples.

12.1 Proposed Exploration Budget.

DATE: February 28, 2022

LONGFORD EXPLORATION SERVICES LTD.

Quantum Battery Metals Corp.
400-837 West Hastings Street
Vancouver, BC
Canada, V6C 3N6

Longford Exploration Services Ltd.
675-355 Burrard Street
Vancouver, BC
Canada V6C 0B2

2022 Rabbit Lake Proposal

Personnel			Days	Rate		Line Total
	Geologist	Project Manager	6	$ 800.00	$	4,800.00
	Field Assistant		6	$ 400.00	$	2,400.00
	Field Assistant		6	$ 400.00	$	2,400.00
		Total Days:	18	**Cat. Total**	**$**	**9,600.00**
Food and Lodging			Units	Rate		Line Total
	Food and Groceries	Per diem	7	$ 75.00	$	525.00
	Lodging	Temagami	7	$ 120.00	$	840.00
				Cat. Total	**$**	**1,365.00**
Transportation			Units/Days	Unit Price		Line Total
	Truck		6	$ 150.00	$	900.00
	Fuel	per km for truck	1500	$ 0.65	$	975.00
				Cat. Total	**$**	**1,875.00**
Equipment Rentals			Units	Unit Price		Line Total
	Electronics Kit	Radio, Sat phone, GPS, per person p/d	18	$ 20.00	$	360.00
	Hand Tools	Hammers, shovels, axes, soil augers	18	$ 20.00	$	360.00
	Canoe/ Kayak		12	$ 60.00	$	720.00
	Chain saw and PPE		6	$ 25.00	$	150.00
				Cat. Total	**$**	**1,590.00**
Consumable			Units	Unit Price		Line Total
	Field / Office Consumables		18	$ 35.00	$	630.00
				Cat. Total	**$**	**630.00**
Analytical			Units	Unit Price		Line Total
	Analysis - Rock	PRP70-250, AQ250	18	$ 35.00	$	630.00
	Analysis - Soil	SS80, AQ250	300	$ 25.00	$	7,500.00
	Sample Shipping		1	$ 1,000.00	$	1,000.00
				Cat. Total	**$**	**9,130.00**
Mobilisation			Units	Unit Price		Line Total
	Positioning Fee		3	$ 1,250.00	$	3,750.00
				Cat. Total	**$**	**3,750.00**
Pre and Post Fieldwork			Units	Unit Price		Line Total
	Assessment report and work filing		1	$ 5,000.00	$	5,000.00
				Cat. Total	**$**	**5,000.00**
				Estimated Subtotal	**$**	**32,940.00**
				Management 15%	**$**	**4,941.00**
				Subtotal	**$**	**37,881.00**
				GST 5%	**$**	**1,894.05**
				Total	**$**	**39,775.05**

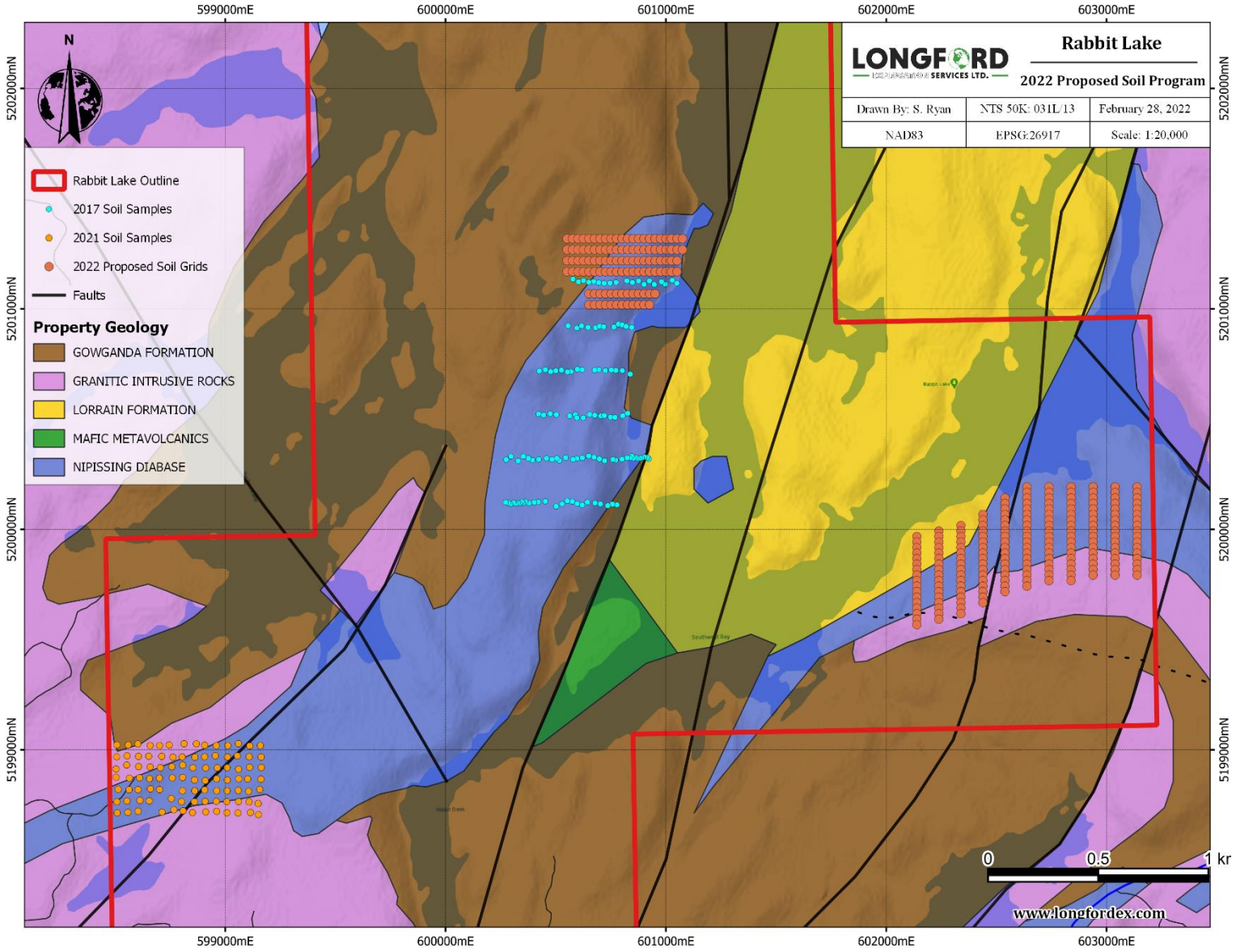

Figure 12.1: 2022 Proposed Soil Program on Rabbit Lake Property.

13 References

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14 Statement of Qualification

I, Sarah Ryan, of 141 Eastbourne Cres, St John's, NL, Canada do hereby certify the following:

- I graduated from Memorial University of Newfoundland with a degree in Earth Sciences in 2018, and I have practiced my profession continuously since 2018.
- From 2018 to present I have been working in Canada in mineral exploration and have been actively involved in projects in BC, YK, NWT, ON, QC and NL.
- I am registered as a G.I.T with PEG-NL and I am in good standing.
- I am a Consulting Geologist and have been so since 2018.
- I am the-author of the Assessment Report entitled: "Assessment Report on the Rabbit Lake Property, Ontario, Canada", effective date February 28, 2022.

Feb 28, 2022

Sarah Ryan, G.I.T., B.Sc., B.B.S. Date

APPENDIX A: Lithological Unit Locations.

Easting	Northing	Elev. (m)	Lithology
598939	5198838	ele	Huronian
602796	5199393	349	Huronian
602791	5199337	341	Huronian
602793	5199318	332	Huronian
602851	5199226	331	Huronian
602164	5199605	327	Huronian
602331	5199658	339	Huronian
602867	5199205	353	Huronian
602855	5199167	339	Huronian
602856	5199144	328	Huronian
602854	5199117	324	Huronian
602854	5199029	327	Huronian
599172	5198858	329	Huronian
599313	5199035	347	Huronian
599433	5198860	358	Huronian
599380	5198798	355	Huronian
599363	5198720	358	Huronian
602077	5199315	366	Huronian
598964	5198843	321	Diabase
598974	5198861	342	Diabase
598981	5198855	345	Diabase
599004	5198870	350	Diabase
599023	5198854	353	Diabase
599157	5198773	351	Diabase
599191	5198811	342	Diabase
599366	5198940	340	Diabase
599426	5199016	342	Diabase
599448	5198998	342	Diabase
599456	5198992	342	Diabase
599462	5198991	343	Diabase
599482	5199004	340	Diabase
599483	5199008	337	Diabase
599465	5199112	333	Diabase
599461	5199134	332	Diabase
599442	5199150	339	Diabase
599431	5199164	345	Diabase
599428	5199172	340	Diabase
599420	5199178	341	Diabase
599423	5199186	344	Diabase
599426	5199199	342	Diabase
599416	5199207	347	Diabase
599418	5199260	346	Diabase
599424	5199284	343	Diabase

Easting	Northing	Elev. (m)	Lithology
599429	5199321	340	Diabase
599441	5199363	339	Diabase
599460	5199392	337	Diabase
599494	5199404	349	Diabase
599505	5199405	346	Diabase
599516	5199417	350	Diabase
599538	5199400	348	Diabase
599577	5199427	345	Diabase
599590	5199454	341	Diabase
599596	5199408	336	Diabase
599590	5199373	337	Diabase
599598	5199363	343	Diabase
599590	5199316	345	Diabase
599590	5199302	348	Diabase
599584	5199247	349	Diabase
599540	5199196	348	Diabase
599526	5199185	347	Diabase
599511	5199180	350	Diabase
599490	5199181	353	Diabase
599475	5199182	353	Diabase
599464	5199181	352	Diabase
599430	5199180	351	Diabase
599392	5199158	346	Diabase
599381	5199152	348	Diabase
599363	5199149	351	Diabase
599358	5199143	357	Diabase
599360	5199123	360	Diabase
599356	5199116	356	Diabase
599347	5199106	356	Diabase
599292	5199099	358	Diabase
599273	5199103	358	Diabase
599247	5199100	355	Diabase
599221	5199103	351	Diabase
599166	5199105	351	Diabase
599161	5199105	353	Diabase
599154	5199106	352	Diabase
599156	5199135	350	Diabase
599137	5199099	350	Diabase
599132	5199026	348	Diabase
599106	5198997	356	Diabase
599095	5199018	354	Diabase
599084	5199020	350	Diabase
599075	5199022	351	Diabase
599070	5199014	348	Diabase
602389	5200015	346	Diabase

Easting	Northing	Elev. (m)	Lithology
602398	5200025	342	Diabase
602412	5200031	339	Diabase
602436	5200029	339	Diabase
602447	5200023	333	Diabase
602449	5200016	331	Diabase
602455	5200022	331	Diabase
602465	5200013	327	Diabase
602474	5200006	328	Diabase
602488	5200005	329	Diabase
602492	5200007	331	Diabase
602501	5200008	328	Diabase
602509	5200016	329	Diabase
602522	5200005	328	Diabase
602525	5200010	331	Diabase
602540	5200011	333	Diabase
602546	5200015	333	Diabase
602558	5200012	333	Diabase
602586	5200017	334	Diabase
602591	5200017	330	Diabase
602604	5199997	330	Diabase
602611	5199993	326	Diabase
602653	5200012	329	Diabase
602657	5200015	326	Diabase
602673	5200014	327	Diabase
602698	5200015	326	Diabase
602702	5200014	330	Diabase
602719	5200011	332	Diabase
602726	5200005	337	Diabase
602740	5200008	337	Diabase
602768	5200006	337	Diabase
602771	5199995	336	Diabase
602862	5199977	333	Diabase
602883	5199977	336	Diabase
602887	5199977	340	Diabase
602884	5199975	341	Diabase
602712	5199759	343	Diabase
599013	5198487	365	Diabase
599035	5198951	364	Diabase
601773	5199591	356	Diabase
602020	5199700	304	Diabase
602034	5199695	336	Diabase
598742	5198750	341	Diabase
598768	5198776	336	Diabase
598767	5198783	337	Diabase
598773	5198794	337	Diabase

Easting	Northing	Elev. (m)	Lithology
598777	5198801	336	Diabase
598782	5198808	336	Diabase
598792	5198822	337	Diabase
598770	5198787	336	Diabase
598766	5198782	338	Diabase
598780	5198807	337	Diabase
598827	5198803	338	Diabase
598854	5198787	338	Diabase
598907	5198774	339	Diabase
598908	5198780	345	Diabase
598941	5198823	345	Diabase
598651	5198907	348	Granitic Suite
598700	5198905	340	Granitic Suite
598713	5198891	343	Granitic Suite
598718	5198893	342	Granitic Suite
598742	5198884	342	Granitic Suite
598750	5198892	345	Granitic Suite
598749	5198881	348	Granitic Suite
598760	5198887	348	Granitic Suite
598782	5198897	346	Granitic Suite
598817	5198898	345	Granitic Suite
598840	5198893	347	Granitic Suite
598899	5198871	345	Granitic Suite
598924	5198848	343	Granitic Suite
598932	5198847	339	Granitic Suite
598935	5198842	341	Granitic Suite
598936	5198835	342	Granitic Suite
599188	5198774	344	Granitic Suite
599189	5198770	337	Granitic Suite
599186	5198811	340	Granitic Suite
599207	5198812	341	Granitic Suite
599214	5198818	339	Granitic Suite
599237	5198808	339	Granitic Suite
599243	5198795	338	Granitic Suite
599258	5198796	340	Granitic Suite
599281	5198791	342	Granitic Suite
599310	5198809	345	Granitic Suite
599325	5198807	342	Granitic Suite
599328	5198820	337	Granitic Suite
599325	5198834	341	Granitic Suite
599327	5198844	338	Granitic Suite
599346	5198859	340	Granitic Suite
599363	5198869	338	Granitic Suite
599391	5198892	338	Granitic Suite
599402	5198897	341	Granitic Suite

Easting	Northing	Elev. (m)	Lithology
599397	5198920	344	Granitic Suite
599381	5198968	348	Granitic Suite
599387	5198986	339	Granitic Suite
599408	5198994	336	Granitic Suite
599420	5198996	340	Granitic Suite
599422	5199010	340	Granitic Suite
599146	5199134	341	Granitic Suite
599132	5199126	353	Granitic Suite
599037	5199009	351	Granitic Suite
599013	5199020	341	Granitic Suite
598989	5199012	352	Granitic Suite
598973	5199008	355	Granitic Suite
598944	5198979	352	Granitic Suite
598895	5198968	353	Granitic Suite
598873	5198955	351	Granitic Suite
598860	5198950	352	Granitic Suite
598852	5198938	350	Granitic Suite
598816	5198929	346	Granitic Suite
598794	5198936	347	Granitic Suite
598711	5198928	349	Granitic Suite
602399	5199518	346	Granitic Suite
602403	5199548	342	Granitic Suite
602412	5199606	348	Granitic Suite
602422	5199637	356	Granitic Suite
602429	5199654	356	Granitic Suite
602433	5199663	356	Granitic Suite
602430	5199683	353	Granitic Suite
602440	5199691	355	Granitic Suite
602887	5199970	353	Granitic Suite
602889	5199981	342	Granitic Suite
602869	5199943	345	Granitic Suite
602864	5199933	355	Granitic Suite
602847	5199897	357	Granitic Suite
602792	5199853	363	Granitic Suite
602724	5199831	364	Granitic Suite
602719	5199824	366	Granitic Suite
602716	5199813	368	Granitic Suite
602704	5199801	369	Granitic Suite
602704	5199745	368	Granitic Suite
602699	5199736	364	Granitic Suite
602694	5199643	363	Granitic Suite
602696	5199627	358	Granitic Suite
602700	5199614	355	Granitic Suite
602719	5199604	355	Granitic Suite
602735	5199531	354	Granitic Suite

Easting	Northing	Elev. (m)	Lithology
602756	5199479	351	Granitic Suite
602758	5199463	346	Granitic Suite
602776	5199433	345	Granitic Suite
602849	5199239	342	Granitic Suite
599075	5198363	329	Granitic Suite
599075	5198366	353	Granitic Suite
599056	5198404	356	Granitic Suite
599157	5198719	359	Granitic Suite
599190	5198776	344	Granitic Suite
599185	5198775	341	Granitic Suite
599188	5198810	342	Granitic Suite
599389	5198996	342	Granitic Suite
599500	5198529	340	Granitic Suite
599413	5198428	334	Granitic Suite
599407	5198337	351	Granitic Suite
599398	5198299	345	Granitic Suite
599421	5198244	345	Granitic Suite
599327	5198232	348	Granitic Suite
599238	5198251	343	Granitic Suite
599182	5198176	350	Granitic Suite
599116	5198250	336	Granitic Suite
601845	5199512	335	Granitic Suite
602115	5199652	322	Granitic Suite
602377	5199664	339	Granitic Suite
602419	5199642	355	Granitic Suite
602719	5199571	365	Granitic Suite
602852	5199546	355	Granitic Suite
603103	5199432	349	Granitic Suite
603141	5199187	362	Granitic Suite
603094	5199137	367	Granitic Suite
599027	5198952	359	Granitic Suite
599071	5199015	349	Granitic Suite
599104	5199063	350	Granitic Suite
599087	5199074	345	Granitic Suite
599080	5199076	345	Granitic Suite
598959	5198945	351	Granitic Suite
598852	5198834	344	Granitic Suite
598803	5198819	337	Granitic Suite
598801	5198824	336	Granitic Suite
598776	5198837	336	Granitic Suite
598756	5198817	335	Granitic Suite

APPENDIX B: Rock Assay Certificates

BUREAU VERITAS MINERAL LABORATORIES Canada

www.bvna.com/mining-laboratory-serv

Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **Longford Exploration Services Ltd.**
Marine Building, Unit 1680
355 Burrard St.
Vancouver British Columbia V6C 2G8 Canada

Submitted By:	Ryan Versloot
Receiving Lab:	Canada-Timmins
Received:	September 15, 2021
Analysis Start:	September 29, 2021
Report Date:	November 17, 2021
Page:	1 of 2

CERTIFICATE OF ANALYSIS TIM21003981.1

CLIENT JOB INFORMATION

Project:	Rabbit Lake
Shipment ID:	
P.O. Number	
Number of Samples:	14

SAMPLE DISPOSAL

PICKUP-PLP	Client to Pickup Pulps
PICKUP-RJT	Client to Pickup Rejects

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	14	Crush, split and pulverize 250 g rock to 200 mesh			TIM
SLBHP	14	Sort, label and box pulps			TIM
SHP01	14	Per sample shipping charges for branch shipments			TIM
FA430	14	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
AQ300	14	1:1:1 Aqua Regia digestion ICP-ES analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Longford Exploration Services Ltd.
Marine Building, Unit 1680
355 Burrard St.
Vancouver British Columbia V6C 2G8
Canada

CC: Vedran Pobric

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Production Manager

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

BUREAU VERITAS MINERAL LABORATORIES Canada

www.bvna.com/mining-laboratory-serv

Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **Longford Exploration Services Ltd.**
Marine Building, Unit 1680
355 Burrard St.
Vancouver British Columbia V6C 2G8 Canada

Project: Rabbit Lake
Report Date: November 17, 2021

Page: 2 of 2 Part: 1 of 2

CERTIFICATE OF ANALYSIS TIM21003981.1

Method		WGHT	FA430	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	8	2	1	0.5	3	3	1	0.01
4032413	Drill Core	0.76	0.009	<1	93	60	93	<0.3	70	19	252	2.31	3	<8	<2	83	<0.5	<3	<3	74	2.28
4032414	Drill Core	1.25	0.009	<1	106	30	50	<0.3	43	15	229	2.33	4	<8	<2	82	<0.5	<3	<3	82	2.34
4032415	Drill Core	0.64	<0.005	<1	141	18	48	<0.3	42	21	296	3.21	2	<8	<2	73	<0.5	<3	<3	136	1.80
4032416	Drill Core	0.82	0.007	<1	143	24	61	<0.3	47	23	382	3.37	4	<8	<2	34	<0.5	<3	<3	106	1.16
4032417	Drill Core	0.73	<0.005	<1	113	17	75	<0.3	30	21	465	3.16	3	<8	<2	26	<0.5	<3	<3	128	1.75
4032418	Drill Core	0.74	<0.005	<1	43	14	77	0.4	9	34	625	6.38	3	<8	2	19	<0.5	<3	<3	365	1.09
4032419	Drill Core	0.89	0.008	<1	114	21	46	<0.3	43	22	345	2.76	2	<8	<2	47	<0.5	<3	<3	78	1.87
282604	Drill Core	1.10	<0.005	<1	7	13	20	<0.3	1	2	93	1.06	3	<8	7	4	<0.5	<3	<3	6	0.05
282605	Drill Core	1.28	0.007	<1	129	10	68	<0.3	59	21	378	2.94	3	<8	<2	43	<0.5	<3	<3	76	1.47
282606	Drill Core	1.60	0.008	<1	134	15	48	<0.3	40	22	331	2.78	4	<8	<2	58	<0.5	<3	<3	97	1.94
282607	Drill Core	1.71	<0.005	<1	9	11	63	<0.3	15	11	367	1.86	3	<8	3	43	<0.5	<3	<3	25	0.76
282608	Drill Core	0.68	0.008	<1	100	14	38	<0.3	52	22	327	2.68	<2	<8	<2	64	<0.5	<3	<3	110	2.44
282609	Drill Core	1.14	<0.005	<1	2	14	10	<0.3	<1	<1	50	0.42	<2	<8	<2	3	<0.5	<3	<3	3	0.02
282610	Drill Core	0.93	0.006	<1	97	7	45	0.7	54	22	488	3.26	4	<8	<2	37	<0.5	<3	<3	69	0.98

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Bureau Veritas Commodities Canada Ltd.
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PHONE (604) 253-3158

Client: **Longford Exploration Services Ltd.**
Marine Building, Unit 1680
355 Burrard St.
Vancouver British Columbia V6C 2G8 Canada

Project: Rabbit Lake
Report Date: November 17, 2021

Page: 2 of 2 Part: 2 of 2

CERTIFICATE OF ANALYSIS TIM21003981.1

	Method	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
4032413	Drill Core	0.019	2	41	1.17	26	0.096	<20	4.27	0.53	0.18	<2	0.05	<1	<5	6	<5
4032414	Drill Core	0.020	2	30	0.93	28	0.085	<20	4.27	0.54	0.15	<2	0.05	<1	<5	6	<5
4032415	Drill Core	0.027	4	8	0.97	67	0.123	<20	3.28	0.49	0.31	<2	<0.05	<1	<5	<5	5
4032416	Drill Core	0.027	4	17	1.65	35	0.195	<20	2.65	0.19	0.15	<2	0.05	<1	<5	<5	<5
4032417	Drill Core	0.027	3	6	1.10	26	0.148	<20	2.50	0.19	0.12	<2	<0.05	<1	<5	5	<5
4032418	Drill Core	0.038	5	<1	1.15	157	0.442	<20	2.48	0.08	0.79	<2	0.09	<1	<5	6	10
4032419	Drill Core	0.025	4	28	1.39	47	0.172	<20	3.58	0.38	0.33	<2	0.07	<1	<5	<5	6
282604	Drill Core	0.011	8	3	0.35	17	0.009	<20	0.58	0.08	0.13	<2	<0.05	<1	<5	<5	<5
282605	Drill Core	0.028	2	25	1.35	24	0.224	<20	2.59	0.22	0.11	<2	0.06	<1	<5	<5	<5
282606	Drill Core	0.029	4	16	1.06	25	0.180	<20	3.35	0.41	0.16	<2	<0.05	<1	<5	<5	<5
282607	Drill Core	0.042	6	9	0.91	39	0.139	<20	1.42	0.05	0.15	<2	<0.05	<1	<5	<5	<5
282608	Drill Core	0.025	3	57	1.30	61	0.151	<20	4.33	0.53	0.27	<2	0.08	<1	<5	7	5
282609	Drill Core	0.001	<1	6	0.02	10	0.001	<20	0.08	<0.01	0.06	<2	<0.05	<1	<5	<5	<5
282610	Drill Core	0.027	3	42	1.57	18	0.278	<20	2.10	0.05	0.07	<2	<0.05	<1	<5	<5	<5

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Project: Rabbit Lake
Report Date: November 17, 2021

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QUALITY CONTROL REPORT TIM21003981.1

	Method	WGHT	FA430	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	8	2	1	0.5	3	3	1	0.01
Reference Materials																					
STD DS11	Standard			15	146	129	338	2.0	77	13	1001	3.13	44	<8	7	67	2.2	9	9	48	1.04
STD OREAS262	Standard			<1	121	53	151	0.7	65	27	541	3.42	37	<8	9	37	0.6	3	<3	22	2.89
STD OREAS263	Standard		0.215																		
STD OREAS232	Standard		0.937																		
STD OXN155	Standard		7.855																		
STD DS11 Expected				13.9	156	138	345	1.71	81.9	14.2	1055	3.2082	42.8		7.65	67.3	2.37	7.2	12.2	50	1.063
STD OREAS262 Expected					118	56	154	0.45	62	26.9	530	3.284	35.8		9.33	36	0.61	3.39		22.5	2.98
STD OXN155 Expected			7.776																		
STD OREAS263 Expected			0.214																		
STD OREAS232 Expected			0.902																		
BLK	Blank			<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<8	<2	<1	<0.5	<3	<3	<1	<0.01
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
Prep Wash																					
ROCK-TIM	Prep Blank		0.005	<1	11	62	112	<0.3	<1	3	388	1.65	3	<8	2	20	<0.5	<3	<3	21	0.55

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Project: Rabbit Lake
Report Date: November 17, 2021

Page: 1 of 1 Part: 2 of 2

QUALITY CONTROL REPORT TIM21003981.1

	Method	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
Reference Materials																	
STD DS11	Standard	0.070	17	56	0.84	429	0.090	<20	1.12	0.07	0.39	3	0.28	<1	<5	<5	<5
STD OREAS262	Standard	0.040	17	41	1.21	259	0.003	<20	1.29	0.07	0.31	<2	0.27	<1	<5	<5	<5
STD OREAS263	Standard																
STD OREAS232	Standard																
STD OXN155	Standard																
STD DS11 Expected		0.0701	18.6	61.5	0.85	417	0.0976	6	1.129	0.0694	0.4	2.9	0.2835	0.3	4.9	4.7	3.1
STD OREAS262 Expected		0.04	15.9	41.7	1.17	248	0.003		1.3	0.071	0.312		0.269			3.9	3.24
STD OXN155 Expected																	
STD OREAS263 Expected																	
STD OREAS232 Expected																	
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5
BLK	Blank																
BLK	Blank																
Prep Wash																	
ROCK-TIM	Prep Blank	0.037	6	2	0.41	60	0.074	<20	0.75	0.07	0.07	<2	<0.05	<1	<5	<5	<5

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APPENDIX C: 2021 Soil Assay Certificates

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Client: **Longford Exploration Services Ltd.**
Marine Building, Unit 1680
355 Burrard St.
Vancouver British Columbia V6C 2G8 Canada

Submitted By:	Ryan Versloot
Receiving Lab:	Canada-Timmins
Received:	September 15, 2021
Analysis Start:	October 06, 2021
Report Date:	October 13, 2021
Page:	1 of 5

CERTIFICATE OF ANALYSIS TIM21003980.1

CLIENT JOB INFORMATION

Project:	Rabbit Lake
Shipment ID:	
P.O. Number	
Number of Samples:	95

SAMPLE DISPOSAL

PICKUP-PLP	Client to Pickup Pulps
DISP-RJT-SOIL	Immediate Disposal of Soil Reject

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
DY060	95	Dry at 60C		Completed	TIM
SS80	95	Dry at 60C sieve 100g to -80 mesh			TIM
SHP01	95	Per sample shipping charges for branch shipments			TIM
AQ200	95	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN
SVRJT	95	Save all or part of Soil Reject			TIM

ADDITIONAL COMMENTS

Invoice To: Longford Exploration Services Ltd.
Marine Building, Unit 1680
355 Burrard St.
Vancouver British Columbia V6C 2G8
Canada

CC: Vedran Pobric

JEFFREY CANNON
Geochemistry Department Supervisor

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All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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Marine Building, Unit 1680
355 Burrard St.
Vancouver British Columbia V6C 2G8 Canada

Project: Rabbit Lake
Report Date: October 13, 2021

CERTIFICATE OF ANALYSIS TIM21003980.1

	Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	1	0.01	0.001
282509	Soil	0.6	11.3	13.7	46	<0.1	17.6	4.9	160	2.51	4.4	0.3	<0.5	1.6	7	0.1	0.1	0.4	47	0.11	0.055
282510	Soil	0.5	19.5	12.7	32	<0.1	26.7	7.7	114	2.10	5.0	0.4	<0.5	2.0	6	0.1	0.1	0.3	35	0.11	0.038
282511	Soil	0.4	13.5	11.3	22	<0.1	20.5	5.8	91	1.89	3.7	0.3	1.0	2.1	6	<0.1	<0.1	0.2	37	0.09	0.021
282512	Soil	0.5	6.7	9.2	15	<0.1	11.3	3.3	57	1.70	2.2	0.2	<0.5	1.6	6	<0.1	<0.1	0.2	36	0.08	0.014
282513	Soil	0.2	7.3	5.3	13	<0.1	5.5	1.6	35	0.88	1.5	0.2	21.8	1.3	5	<0.1	<0.1	0.1	21	0.05	0.009
282514	Soil	0.5	11.4	7.3	19	<0.1	17.0	4.1	66	2.21	3.1	0.3	<0.5	1.8	5	<0.1	<0.1	0.2	47	0.06	0.016
282515	Soil	2.5	234.3	31.0	184	0.4	49.4	3.5	163	0.39	3.2	3.3	<0.5	0.9	51	0.9	0.3	0.7	12	3.15	0.053
282516	Soil	1.2	49.8	39.6	49	0.3	44.1	12.7	264	2.69	6.4	0.5	0.9	0.6	28	1.6	0.6	0.6	60	1.22	0.048
282517	Soil	0.7	15.2	8.5	35	<0.1	25.4	7.7	104	2.49	4.0	0.4	3.9	1.9	6	<0.1	<0.1	0.1	37	0.09	0.026
282518	Soil	0.5	11.6	11.0	34	0.2	13.7	4.2	83	3.10	2.7	0.4	<0.5	1.6	5	0.1	<0.1	0.2	47	0.07	0.041
282519	Soil	0.5	13.0	13.8	27	0.1	16.4	3.9	110	2.02	3.3	0.3	<0.5	1.6	8	<0.1	<0.1	0.2	38	0.10	0.026
282520	Soil	0.4	23.2	11.1	42	0.1	28.1	9.7	325	1.84	2.6	0.5	<0.5	2.8	10	0.2	<0.1	0.1	35	0.27	0.042
282521	Soil	0.2	6.4	14.6	10	<0.1	4.4	0.6	59	0.27	1.0	0.2	3.8	1.0	6	<0.1	0.1	0.2	10	0.06	0.012
282522	Soil	0.4	11.1	8.7	50	<0.1	15.8	4.3	92	2.31	2.3	0.3	0.6	1.6	7	0.1	<0.1	0.2	40	0.08	0.032
282523	Soil	0.4	14.7	7.8	50	0.1	33.5	8.4	190	1.89	2.5	0.4	<0.5	2.2	8	0.1	<0.1	0.2	29	0.10	0.045
282524	Soil	0.6	11.8	10.3	31	<0.1	14.4	4.0	66	1.92	2.3	0.3	1.8	2.2	8	<0.1	<0.1	0.2	40	0.08	0.022
282525	Soil	0.4	16.2	7.0	38	<0.1	29.9	9.7	158	2.11	2.2	0.4	0.5	1.9	7	0.2	<0.1	0.1	32	0.12	0.046
282526	Soil	0.5	10.1	9.3	46	<0.1	13.8	4.6	200	1.58	2.8	0.4	1.1	1.1	6	0.1	<0.1	0.2	28	0.09	0.060
282527	Soil	0.4	8.9	10.2	30	<0.1	8.5	3.2	65	1.61	3.0	0.3	<0.5	1.7	8	0.1	<0.1	0.2	32	0.09	0.021
282528	Soil	0.5	31.1	35.2	41	0.2	34.7	8.0	175	1.44	3.3	0.4	0.8	1.3	12	0.2	0.2	0.5	27	0.24	0.032
282529	Soil	0.7	20.3	10.5	27	0.1	24.5	6.5	98	2.06	3.3	0.3	<0.5	2.2	9	0.1	0.1	0.2	46	0.14	0.025
282530	Soil	0.6	24.5	16.1	31	<0.1	14.1	3.0	60	2.07	6.3	0.3	0.5	2.2	6	0.1	0.1	0.3	39	0.07	0.047
282531	Soil	0.6	7.9	12.3	24	0.1	16.4	4.7	129	1.69	2.5	0.2	0.6	1.8	7	<0.1	<0.1	0.2	37	0.09	0.024
282532	Soil	0.6	11.8	11.2	104	0.1	31.3	8.9	190	2.23	2.5	0.4	<0.5	2.7	7	0.1	<0.1	0.1	35	0.10	0.045
282533	Soil	0.7	15.7	14.4	63	0.2	25.1	7.7	288	3.21	3.8	0.4	<0.5	2.0	9	0.2	0.1	0.2	50	0.12	0.061
282534	Soil	0.6	13.0	14.0	130	0.1	48.8	15.7	495	2.76	1.6	0.6	<0.5	3.4	8	<0.1	<0.1	0.3	71	0.14	0.022
282535	Soil	1.3	20.2	25.4	45	0.1	20.4	4.5	78	2.31	5.3	0.3	<0.5	1.8	11	0.3	0.2	0.3	58	0.18	0.028
282536	Soil	0.6	17.4	15.0	61	0.2	20.1	7.3	90	2.66	6.2	0.4	<0.5	2.8	8	0.2	<0.1	0.3	59	0.09	0.025
282537	Soil	1.0	16.4	21.1	25	0.1	14.5	4.1	55	1.16	3.1	0.3	0.6	1.1	9	0.2	<0.1	0.4	38	0.09	0.019
282538	Soil	0.4	10.4	10.8	40	<0.1	9.0	2.6	62	1.53	2.9	0.5	<0.5	3.0	6	<0.1	<0.1	0.2	30	0.07	0.034

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CERTIFICATE OF ANALYSIS TIM21003980.1

		Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
282509	Soil		6	41	0.19	43	0.079	<20	1.30	0.005	0.03	0.1	0.05	1.7	<0.1	<0.05	7	0.5	<0.2
282510	Soil		6	45	0.29	31	0.064	<20	1.65	0.003	0.03	<0.1	0.04	2.2	<0.1	<0.05	4	<0.5	<0.2
282511	Soil		5	39	0.24	28	0.082	<20	1.24	0.003	0.03	<0.1	0.05	1.7	<0.1	<0.05	5	<0.5	<0.2
282512	Soil		5	24	0.13	30	0.078	<20	0.81	0.003	0.02	<0.1	0.03	1.0	<0.1	<0.05	6	<0.5	<0.2
282513	Soil		4	17	0.09	16	0.041	<20	0.58	0.003	0.01	<0.1	0.03	0.8	<0.1	<0.05	3	<0.5	<0.2
282514	Soil		4	39	0.20	27	0.100	<20	1.09	0.003	0.02	<0.1	0.05	1.6	<0.1	<0.05	6	<0.5	<0.2
282515	Soil		12	82	0.24	65	0.010	<20	0.52	0.010	0.01	0.2	0.17	1.8	<0.1	0.49	1	1.9	<0.2
282516	Soil		11	16	0.13	73	0.069	<20	0.60	0.005	0.03	0.1	0.19	1.4	<0.1	0.27	4	1.3	<0.2
282517	Soil		5	49	0.29	41	0.086	<20	2.10	0.004	0.03	<0.1	0.05	2.3	<0.1	<0.05	5	<0.5	<0.2
282518	Soil		5	40	0.16	33	0.105	<20	1.93	0.003	0.02	<0.1	0.09	1.8	<0.1	<0.05	9	<0.5	<0.2
282519	Soil		7	31	0.20	49	0.094	<20	0.95	0.004	0.04	<0.1	0.04	1.4	<0.1	<0.05	7	<0.5	<0.2
282520	Soil		11	48	0.42	61	0.074	<20	1.57	0.006	0.05	<0.1	0.04	2.6	<0.1	<0.05	5	<0.5	<0.2
282521	Soil		5	8	0.03	23	0.017	<20	0.25	0.003	0.02	<0.1	0.03	0.6	<0.1	<0.05	2	<0.5	<0.2
282522	Soil		5	37	0.21	34	0.087	<20	1.37	0.004	0.03	<0.1	0.06	1.8	<0.1	<0.05	7	<0.5	<0.2
282523	Soil		6	52	0.34	44	0.069	<20	2.01	0.005	0.03	<0.1	0.06	2.2	<0.1	<0.05	5	<0.5	<0.2
282524	Soil		7	31	0.17	32	0.079	<20	1.23	0.004	0.02	<0.1	0.04	1.3	<0.1	<0.05	7	<0.5	<0.2
282525	Soil		6	49	0.32	40	0.067	<20	2.46	0.005	0.03	<0.1	0.07	2.6	<0.1	<0.05	4	<0.5	<0.2
282526	Soil		6	33	0.19	33	0.059	<20	1.38	0.004	0.02	<0.1	0.07	1.7	<0.1	<0.05	5	<0.5	<0.2
282527	Soil		6	23	0.11	33	0.068	<20	0.78	0.004	0.02	<0.1	0.04	1.1	<0.1	<0.05	5	<0.5	<0.2
282528	Soil		9	35	0.28	61	0.050	<20	1.06	0.007	0.03	<0.1	0.09	1.7	<0.1	<0.05	4	0.6	<0.2
282529	Soil		6	41	0.25	35	0.098	<20	1.24	0.004	0.04	<0.1	0.05	1.8	<0.1	<0.05	6	0.5	<0.2
282530	Soil		6	30	0.14	26	0.057	<20	1.23	0.003	0.02	<0.1	0.07	1.5	<0.1	<0.05	5	0.9	<0.2
282531	Soil		6	27	0.16	37	0.072	<20	1.03	0.004	0.02	<0.1	0.03	1.2	<0.1	<0.05	6	<0.5	<0.2
282532	Soil		6	43	0.30	44	0.078	<20	1.85	0.004	0.04	<0.1	0.06	1.9	<0.1	<0.05	5	<0.5	<0.2
282533	Soil		6	54	0.28	56	0.096	<20	2.13	0.004	0.04	<0.1	0.09	2.4	<0.1	<0.05	7	0.9	<0.2
282534	Soil		9	122	1.12	42	0.207	<20	2.24	0.006	0.04	<0.1	0.04	7.5	<0.1	<0.05	9	0.6	<0.2
282535	Soil		5	32	0.19	30	0.098	<20	0.95	0.005	0.03	<0.1	0.09	1.6	<0.1	<0.05	8	0.6	<0.2
282536	Soil		5	46	0.26	39	0.119	<20	1.63	0.004	0.02	<0.1	0.07	2.4	<0.1	<0.05	7	<0.5	<0.2
282537	Soil		8	18	0.13	28	0.063	<20	0.65	0.005	0.02	<0.1	0.06	1.1	<0.1	<0.05	6	0.5	<0.2
282538	Soil		6	26	0.11	26	0.060	<20	1.64	0.005	0.02	<0.1	0.08	1.8	<0.1	<0.05	6	<0.5	<0.2

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Client: **Longford Exploration Services Ltd.**
Marine Building, Unit 1680
355 Burrard St.
Vancouver British Columbia V6C 2G8 Canada

Project: Rabbit Lake
Report Date: October 13, 2021

CERTIFICATE OF ANALYSIS TIM21003980.1

	Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	1	0.01	0.001
282539	Soil	0.4	8.3	8.5	26	<0.1	12.7	3.8	49	1.88	2.2	0.3	<0.5	2.5	5	<0.1	<0.1	0.1	41	0.06	0.027
282540	Soil	0.6	8.7	9.2	15	<0.1	7.9	2.3	39	1.98	2.4	0.3	1.1	2.1	5	<0.1	<0.1	0.2	58	0.05	0.020
282541	Soil	0.5	8.6	9.6	25	<0.1	8.8	2.3	57	1.32	2.3	0.2	<0.5	2.2	6	<0.1	<0.1	0.2	30	0.08	0.011
282542	Soil	2.0	10.2	11.7	17	0.2	8.3	1.8	31	1.62	3.0	0.2	8.0	1.7	13	0.1	<0.1	0.2	41	0.11	0.017
282543	Soil	0.8	17.1	10.1	31	<0.1	15.1	4.5	78	2.07	2.9	0.6	1.4	3.7	6	0.2	<0.1	0.1	38	0.08	0.056
282544	Soil	0.3	24.7	7.4	34	<0.1	24.8	7.6	111	1.70	1.7	0.4	0.8	3.4	6	0.2	<0.1	<0.1	33	0.08	0.021
282545	Soil	0.7	19.3	13.7	23	<0.1	17.8	3.7	65	2.63	6.2	0.4	1.9	3.1	5	<0.1	0.2	0.4	41	0.07	0.045
282546	Soil	0.5	8.3	7.6	23	<0.1	10.3	2.5	42	1.90	2.8	0.3	1.2	2.0	4	0.1	<0.1	0.2	55	0.05	0.017
282547	Soil	0.2	14.4	13.1	23	<0.1	4.5	1.2	28	0.29	1.9	0.3	1.9	1.3	8	0.1	<0.1	0.2	14	0.09	0.009
282548	Soil	0.3	8.0	14.2	19	<0.1	7.8	2.5	55	0.52	1.4	0.2	1.2	2.0	7	<0.1	<0.1	0.3	17	0.07	0.008
282549	Soil	0.9	13.0	12.5	53	0.1	17.5	6.7	120	3.66	4.6	0.5	1.7	2.4	6	0.3	0.1	0.2	66	0.09	0.035
282550	Soil	0.2	10.6	16.1	15	<0.1	9.4	1.1	26	0.25	1.7	0.2	2.3	1.0	6	0.1	0.1	0.3	11	0.07	0.012
282551	Soil	0.4	14.8	9.0	24	<0.1	20.5	6.9	80	2.37	3.2	0.3	2.4	2.4	6	0.1	<0.1	0.2	43	0.09	0.020
282552	Soil	0.6	13.2	14.3	19	<0.1	7.6	2.0	45	2.03	3.4	0.3	1.3	2.3	6	<0.1	0.1	0.2	40	0.07	0.020
282553	Soil	0.1	16.8	11.0	16	<0.1	7.8	0.8	9	0.18	0.9	0.2	1.1	1.1	2	0.6	<0.1	0.1	5	0.03	0.009
282554	Soil	0.7	74.8	12.2	95	0.2	14.6	3.4	68	0.19	1.6	0.7	1.6	0.4	52	0.4	0.1	0.3	5	1.33	0.042
282555	Soil	0.4	12.1	7.8	20	<0.1	14.6	4.5	81	1.20	2.1	0.2	1.1	1.5	7	<0.1	<0.1	0.1	33	0.09	0.006
282556	Soil	0.5	17.4	15.3	19	<0.1	16.9	4.7	62	2.03	4.3	0.4	1.7	3.6	6	0.1	0.1	0.2	45	0.07	0.022
282557	Soil	0.1	7.6	8.8	8	<0.1	2.9	0.3	11	0.10	0.8	0.2	<0.5	1.5	5	<0.1	<0.1	0.2	7	0.06	0.006
282558	Soil	0.4	37.3	14.2	54	<0.1	32.5	8.3	95	2.20	5.2	0.4	2.3	3.7	7	0.1	<0.1	0.2	39	0.10	0.019
282559	Soil	0.7	14.8	17.1	22	<0.1	11.1	2.2	33	1.17	5.0	0.4	1.4	2.6	6	0.2	0.2	0.3	40	0.07	0.016
282560	Soil	0.7	48.0	50.0	47	<0.1	15.7	1.6	53	0.41	3.9	0.2	2.2	0.3	17	0.4	0.3	0.7	11	0.17	0.029
282561	Soil	0.3	13.4	8.5	22	<0.1	4.7	1.4	28	1.84	2.0	0.2	<0.5	1.4	5	0.1	<0.1	0.2	52	0.06	0.017
282562	Soil	0.4	19.4	10.7	27	<0.1	21.6	5.3	82	1.73	2.8	0.4	<0.5	3.2	6	0.1	<0.1	0.3	32	0.08	0.025
282563	Soil	0.5	33.5	10.0	31	<0.1	25.8	7.9	118	1.98	4.7	0.5	1.6	3.1	7	0.1	<0.1	0.2	35	0.09	0.033
282564	Soil	0.4	11.8	6.4	20	<0.1	18.5	5.1	56	1.53	1.8	0.3	1.2	1.7	6	0.1	<0.1	0.1	31	0.08	0.018
282565	Soil	1.0	42.4	19.1	60	0.2	23.2	5.1	87	0.66	1.6	1.4	1.9	0.3	21	0.6	0.1	0.3	18	0.30	0.087
282566	Soil	0.4	8.8	10.6	22	<0.1	6.0	1.7	41	0.62	1.2	0.3	1.5	1.2	7	<0.1	<0.1	0.2	17	0.08	0.012
282567	Soil	0.8	16.1	20.3	41	<0.1	14.6	4.1	82	2.72	4.4	0.4	0.6	2.6	6	0.1	0.1	0.2	53	0.08	0.029
282568	Soil	0.6	16.8	11.4	36	<0.1	20.2	5.7	86	2.47	4.8	0.5	0.9	3.3	6	<0.1	0.1	0.2	42	0.10	0.030

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Project: Rabbit Lake
Report Date: October 13, 2021

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CERTIFICATE OF ANALYSIS TIM21003980.1

		Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
282539	Soil		5	31	0.13	22	0.089	<20	1.45	0.003	0.02	<0.1	0.04	1.6	<0.1	<0.05	6	<0.5	<0.2
282540	Soil		5	25	0.09	20	0.100	<20	0.93	0.003	0.02	<0.1	0.04	1.1	<0.1	<0.05	8	<0.5	<0.2
282541	Soil		6	23	0.13	21	0.064	<20	0.64	0.003	0.02	<0.1	0.03	1.1	<0.1	<0.05	4	<0.5	<0.2
282542	Soil		6	21	0.08	49	0.082	<20	0.81	0.004	0.02	<0.1	0.05	0.9	<0.1	<0.05	6	<0.5	<0.2
282543	Soil		6	44	0.23	27	0.082	<20	2.24	0.006	0.02	<0.1	0.10	3.1	<0.1	0.07	6	0.6	<0.2
282544	Soil		9	51	0.41	25	0.087	<20	1.61	0.004	0.02	<0.1	0.04	3.2	<0.1	<0.05	4	<0.5	<0.2
282545	Soil		5	52	0.16	26	0.076	<20	2.54	0.005	0.03	<0.1	0.08	2.1	<0.1	<0.05	7	0.8	<0.2
282546	Soil		4	28	0.12	16	0.083	<20	1.39	0.003	0.01	<0.1	0.06	1.5	<0.1	<0.05	8	<0.5	<0.2
282547	Soil		8	9	0.07	14	0.038	<20	0.41	0.008	0.02	<0.1	0.03	0.8	<0.1	<0.05	5	<0.5	<0.2
282548	Soil		7	14	0.10	18	0.046	<20	0.51	0.004	0.02	<0.1	0.03	0.8	<0.1	<0.05	4	<0.5	<0.2
282549	Soil		5	56	0.19	32	0.110	<20	2.84	0.006	0.02	<0.1	0.13	2.7	<0.1	<0.05	11	0.9	<0.2
282550	Soil		3	8	0.07	29	0.044	<20	0.28	0.006	0.02	<0.1	0.05	0.7	<0.1	<0.05	4	<0.5	<0.2
282551	Soil		5	45	0.23	21	0.104	<20	1.68	0.005	0.02	<0.1	0.03	2.4	<0.1	<0.05	6	<0.5	<0.2
282552	Soil		6	25	0.10	24	0.076	<20	1.16	0.004	0.02	<0.1	0.08	1.3	<0.1	<0.05	8	0.8	<0.2
282553	Soil		5	4	0.02	22	0.010	<20	0.22	0.007	<0.01	<0.1	0.04	0.5	<0.1	<0.05	1	<0.5	<0.2
282554	Soil		13	14	0.15	97	0.006	<20	0.44	0.020	0.01	<0.1	0.13	1.2	<0.1	0.29	<1	1.2	<0.2
282555	Soil		4	28	0.27	24	0.089	<20	0.63	0.005	0.02	<0.1	0.02	1.2	<0.1	<0.05	5	<0.5	<0.2
282556	Soil		5	40	0.22	19	0.083	<20	1.71	0.005	0.02	<0.1	0.09	2.4	<0.1	<0.05	6	0.6	<0.2
282557	Soil		6	4	0.02	10	0.020	<20	0.14	0.005	0.02	<0.1	0.02	0.3	<0.1	<0.05	2	<0.5	<0.2
282558	Soil		7	55	0.36	40	0.085	<20	2.07	0.005	0.03	<0.1	0.06	2.4	<0.1	<0.05	5	0.7	<0.2
282559	Soil		4	28	0.09	29	0.085	<20	1.26	0.005	0.02	<0.1	0.07	1.5	<0.1	<0.05	7	0.6	<0.2
282560	Soil		7	12	0.07	50	0.023	<20	0.60	0.011	0.04	<0.1	0.09	0.4	<0.1	<0.05	5	0.7	<0.2
282561	Soil		4	20	0.04	17	0.080	<20	0.67	0.003	0.02	<0.1	0.04	0.8	<0.1	<0.05	8	0.7	<0.2
282562	Soil		5	41	0.25	24	0.067	<20	1.91	0.004	0.02	<0.1	0.08	2.0	<0.1	<0.05	5	0.6	<0.2
282563	Soil		5	50	0.36	22	0.086	<20	2.35	0.005	0.02	0.1	0.10	3.7	<0.1	<0.05	4	0.8	<0.2
282564	Soil		5	37	0.16	23	0.072	<20	1.46	0.005	0.02	<0.1	0.03	1.6	<0.1	<0.05	4	0.6	<0.2
282565	Soil		16	21	0.18	71	0.023	<20	0.93	0.011	0.03	<0.1	0.16	1.3	<0.1	0.21	4	1.0	<0.2
282566	Soil		6	12	0.09	19	0.053	<20	0.44	0.005	0.02	<0.1	0.04	0.9	<0.1	<0.05	4	<0.5	<0.2
282567	Soil		5	39	0.16	25	0.092	<20	1.66	0.005	0.02	<0.1	0.09	1.5	<0.1	<0.05	9	0.7	<0.2
282568	Soil		7	58	0.25	24	0.087	<20	2.60	0.005	0.03	<0.1	0.09	2.9	<0.1	<0.05	5	0.9	<0.2

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Project: Rabbit Lake
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CERTIFICATE OF ANALYSIS TIM21003980.1

	Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	1	0.01	0.001
282569	Soil	0.4	29.6	28.5	40	0.1	19.2	2.3	33	0.44	2.4	0.6	2.3	0.3	8	0.3	0.2	0.3	9	0.13	0.047
282570	Soil	0.4	15.0	11.0	57	<0.1	19.2	6.6	189	1.92	4.4	0.4	0.6	2.0	7	0.2	0.1	0.2	32	0.09	0.047
282571	Soil	0.7	13.0	12.4	79	<0.1	16.3	5.2	123	2.18	3.4	0.5	1.1	2.7	7	0.2	<0.1	0.2	34	0.09	0.042
282572	Soil	0.7	25.8	7.6	36	0.1	29.8	10.7	87	1.98	1.7	0.5	0.8	2.8	8	<0.1	<0.1	<0.1	36	0.12	0.018
282573	Soil	0.5	20.0	18.5	34	0.2	14.8	6.9	92	0.98	1.7	0.4	2.0	0.8	8	0.1	<0.1	0.3	22	0.10	0.022
282574	Soil	0.6	20.8	9.5	28	<0.1	19.2	5.6	91	2.51	3.6	0.6	1.2	2.9	7	0.1	<0.1	0.1	35	0.11	0.038
282575	Soil	0.2	11.1	8.1	18	<0.1	3.2	1.0	23	0.31	0.7	0.2	1.0	1.6	6	<0.1	<0.1	0.1	15	0.08	0.005
282576	Soil	0.5	22.7	24.0	25	<0.1	10.2	1.9	41	1.18	3.8	0.2	1.1	1.7	8	<0.1	0.2	0.4	83	0.13	0.011
282577	Soil	0.4	29.1	27.3	25	<0.1	6.2	0.8	28	0.43	1.4	0.2	1.4	0.3	6	0.2	0.1	0.4	26	0.12	0.013
282578	Soil	0.8	15.3	13.6	29	<0.1	9.1	2.6	34	2.45	2.9	0.4	1.9	2.3	6	<0.1	0.1	0.2	62	0.07	0.021
282579	Soil	1.0	20.8	11.8	25	<0.1	14.8	4.0	79	3.22	7.0	0.3	0.9	2.3	9	0.1	0.2	0.2	69	0.11	0.024
282580	Soil	0.7	17.5	11.8	40	<0.1	20.9	5.8	56	2.41	4.2	0.5	1.3	2.8	6	0.1	0.1	0.2	34	0.09	0.030
282581	Soil	1.3	81.5	120.0	112	0.2	50.1	4.9	616	1.45	7.3	0.5	1.8	0.8	30	1.6	0.7	1.7	43	0.52	0.067
282582	Soil	0.7	23.4	23.2	38	<0.1	17.3	3.3	71	2.28	5.4	0.4	2.1	2.4	8	0.2	0.2	0.4	43	0.15	0.041
282583	Soil	0.6	10.9	12.4	39	<0.1	9.7	2.8	64	1.06	3.0	0.3	0.6	1.4	8	<0.1	0.1	0.2	35	0.14	0.014
282584	Soil	0.4	20.4	21.5	34	<0.1	14.4	1.5	92	0.47	3.2	0.2	1.6	0.9	9	0.2	0.2	0.5	26	0.20	0.020
282585	Soil	0.5	29.0	29.7	45	<0.1	9.2	2.3	62	1.13	2.8	0.2	2.0	0.6	9	0.4	0.2	0.5	56	0.20	0.019
282586	Soil	0.2	10.5	13.7	22	<0.1	2.9	0.8	32	0.27	1.3	0.2	1.7	0.9	9	<0.1	<0.1	0.2	16	0.12	0.010
282587	Soil	0.6	35.0	33.8	59	0.1	16.1	3.6	122	1.96	5.7	0.2	2.4	1.3	11	0.3	0.2	0.6	152	0.28	0.024
282588	Soil	1.0	61.6	69.4	79	0.2	39.4	5.7	216	2.51	8.9	0.3	1.7	1.0	16	0.6	0.4	1.1	73	0.44	0.054
282589	Soil	0.6	77.4	53.1	40	0.1	22.5	3.2	89	1.37	8.0	0.3	2.5	0.3	10	0.5	0.3	0.8	56	0.24	0.032
282590	Soil	0.4	12.7	7.1	23	<0.1	20.8	6.2	74	1.86	2.2	0.4	1.3	3.0	7	<0.1	<0.1	0.1	42	0.08	0.022
282591	Soil	0.3	21.6	6.9	23	<0.1	22.9	6.6	109	1.36	2.1	0.3	0.8	1.9	9	<0.1	<0.1	0.1	35	0.13	0.010
282592	Soil	0.5	22.1	6.3	22	<0.1	24.1	6.9	94	1.31	1.3	0.5	0.6	2.6	10	<0.1	<0.1	0.1	30	0.12	0.022
282593	Soil	0.3	12.5	10.2	19	0.2	14.7	3.3	83	1.22	2.0	0.2	0.8	1.5	9	<0.1	<0.1	0.2	33	0.10	0.012
282594	Soil	0.4	14.4	7.9	41	0.1	22.5	8.1	175	1.70	2.4	0.3	2.8	2.4	7	0.1	<0.1	0.2	31	0.10	0.019
282595	Soil	0.8	17.0	10.0	44	0.1	37.5	13.3	193	2.60	3.2	0.5	0.9	2.8	7	<0.1	<0.1	0.2	45	0.09	0.040
282596	Soil	0.5	7.7	13.9	36	<0.1	11.1	3.2	54	2.11	1.8	0.3	<0.5	1.8	6	<0.1	<0.1	0.2	57	0.06	0.024
282597	Soil	0.4	13.7	9.2	33	0.2	21.7	6.6	90	1.86	2.7	0.3	<0.5	2.1	7	0.2	<0.1	0.2	37	0.09	0.029
282598	Soil	0.4	14.1	7.2	35	0.1	21.2	6.5	77	2.06	2.3	0.4	<0.5	2.1	8	0.1	<0.1	0.1	34	0.11	0.026

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Vancouver British Columbia V6C 2G8 Canada

Project: Rabbit Lake
Report Date: October 13, 2021

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CERTIFICATE OF ANALYSIS TIM21003980.1

		Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
282569	Soil		10	14	0.09	45	0.021	<20	0.90	0.014	0.03	<0.1	0.13	0.9	<0.1	0.09	3	0.6	<0.2
282570	Soil		6	37	0.18	33	0.066	<20	1.80	0.005	0.03	<0.1	0.07	2.0	<0.1	<0.05	6	0.8	<0.2
282571	Soil		7	38	0.23	50	0.081	<20	2.43	0.005	0.03	<0.1	0.07	2.5	<0.1	0.06	7	0.8	<0.2
282572	Soil		7	45	0.29	51	0.093	<20	2.50	0.009	0.02	<0.1	0.08	3.1	<0.1	<0.05	5	0.6	<0.2
282573	Soil		15	19	0.13	39	0.042	<20	1.03	0.006	0.03	<0.1	0.06	1.3	0.1	<0.05	5	0.7	<0.2
282574	Soil		6	57	0.25	29	0.078	<20	3.19	0.007	0.02	0.1	0.09	3.5	<0.1	<0.05	5	0.9	<0.2
282575	Soil		6	8	0.04	12	0.040	<20	0.36	0.007	0.01	<0.1	0.02	0.6	<0.1	<0.05	3	<0.5	<0.2
282576	Soil		6	6	0.07	20	0.051	<20	0.50	0.019	0.02	<0.1	0.05	0.9	<0.1	<0.05	9	0.5	<0.2
282577	Soil		5	8	0.04	28	0.018	<20	0.30	0.010	0.02	<0.1	0.03	0.6	<0.1	<0.05	4	<0.5	<0.2
282578	Soil		6	25	0.08	25	0.098	<20	1.80	0.005	0.02	<0.1	0.09	1.7	<0.1	<0.05	11	0.6	<0.2
282579	Soil		5	31	0.22	39	0.095	<20	1.21	0.007	0.02	<0.1	0.07	1.7	<0.1	<0.05	8	<0.5	<0.2
282580	Soil		6	35	0.14	31	0.073	<20	2.79	0.007	0.02	<0.1	0.10	2.2	<0.1	<0.05	6	0.9	<0.2
282581	Soil		7	13	0.14	124	0.100	<20	0.57	0.020	0.08	<0.1	0.19	1.9	0.1	0.11	5	1.2	<0.2
282582	Soil		5	40	0.16	33	0.062	<20	1.87	0.008	0.03	<0.1	0.13	1.9	<0.1	<0.05	6	1.0	<0.2
282583	Soil		5	21	0.13	22	0.072	<20	0.65	0.010	0.02	<0.1	0.03	1.0	<0.1	<0.05	4	0.6	<0.2
282584	Soil		4	11	0.06	20	0.034	<20	0.43	0.007	0.02	<0.1	0.06	1.0	<0.1	<0.05	5	0.7	<0.2
282585	Soil		5	10	0.08	30	0.041	<20	0.49	0.015	0.02	<0.1	0.05	0.9	<0.1	<0.05	5	<0.5	<0.2
282586	Soil		7	7	0.04	16	0.049	<20	0.38	0.006	0.02	<0.1	0.02	0.7	<0.1	<0.05	5	<0.5	<0.2
282587	Soil		4	10	0.12	45	0.051	<20	0.69	0.044	0.04	<0.1	0.07	1.2	<0.1	<0.05	8	<0.5	<0.2
282588	Soil		4	11	0.39	56	0.040	<20	1.77	0.065	0.05	0.2	0.18	1.5	0.1	0.07	11	1.5	<0.2
282589	Soil		5	15	0.11	46	0.028	<20	0.89	0.036	0.04	<0.1	0.11	1.0	0.1	<0.05	7	1.0	<0.2
282590	Soil		6	46	0.18	23	0.081	<20	2.24	0.005	0.02	<0.1	0.08	2.9	<0.1	<0.05	6	0.7	<0.2
282591	Soil		7	39	0.38	29	0.089	<20	0.98	0.006	0.03	<0.1	0.03	1.9	<0.1	<0.05	4	<0.5	<0.2
282592	Soil		8	33	0.27	32	0.064	<20	1.50	0.005	0.03	<0.1	0.04	2.4	<0.1	<0.05	4	<0.5	<0.2
282593	Soil		5	28	0.19	28	0.083	<20	0.68	0.004	0.03	<0.1	0.03	1.4	<0.1	<0.05	5	<0.5	<0.2
282594	Soil		6	40	0.27	37	0.076	<20	1.55	0.004	0.03	<0.1	0.05	1.8	<0.1	<0.05	5	<0.5	<0.2
282595	Soil		7	56	0.25	54	0.097	<20	2.67	0.004	0.03	<0.1	0.08	2.5	<0.1	<0.05	6	<0.5	<0.2
282596	Soil		5	27	0.09	36	0.090	<20	1.61	0.003	0.02	<0.1	0.07	1.2	<0.1	<0.05	10	0.5	<0.2
282597	Soil		7	37	0.22	33	0.070	<20	1.67	0.004	0.03	<0.1	0.05	1.6	<0.1	<0.05	5	<0.5	<0.2
282598	Soil		6	42	0.19	29	0.081	<20	2.16	0.004	0.03	<0.1	0.06	2.4	<0.1	<0.05	5	0.6	<0.2

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Project: Rabbit Lake
Report Date: October 13, 2021

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CERTIFICATE OF ANALYSIS TIM21003980.1

	Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	1	0.01	0.001
282599	Soil	0.3	10.2	7.7	16	<0.1	13.4	3.9	70	0.96	1.2	0.3	<0.5	1.5	8	<0.1	<0.1	0.1	24	0.10	0.007
282600	Soil	0.5	10.6	12.4	29	0.1	6.8	2.0	36	1.67	3.0	0.4	0.7	3.4	6	<0.1	0.1	0.2	39	0.07	0.015
282601	Soil	0.4	30.6	11.7	43	<0.1	45.8	14.8	153	2.28	2.8	0.6	<0.5	3.5	10	0.1	<0.1	0.2	36	0.14	0.028
282602	Soil	0.3	13.7	7.7	23	<0.1	22.4	7.1	85	1.13	1.3	0.4	<0.5	1.9	8	0.1	<0.1	0.1	28	0.11	0.013
282603	Soil	0.6	8.2	7.6	67	<0.1	17.5	5.9	99	2.24	2.1	0.4	<0.5	2.3	8	0.1	<0.1	0.1	42	0.09	0.025

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CERTIFICATE OF ANALYSIS TIM21003980.1

	Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
282599	Soil	4	24	0.24	22	0.078	<20	0.71	0.005	0.02	<0.1	0.02	1.3	<0.1	<0.05	5	<0.5	<0.2
282600	Soil	6	21	0.08	17	0.066	<20	1.17	0.005	0.02	<0.1	0.05	1.3	<0.1	<0.05	7	<0.5	<0.2
282601	Soil	9	60	0.44	83	0.086	<20	2.58	0.008	0.04	<0.1	0.07	3.7	<0.1	<0.05	5	<0.5	<0.2
282602	Soil	6	40	0.32	31	0.080	<20	1.69	0.004	0.02	<0.1	0.03	2.5	<0.1	<0.05	6	<0.5	<0.2
282603	Soil	5	40	0.15	47	0.080	<20	2.55	0.006	0.03	<0.1	0.10	2.0	<0.1	<0.05	7	0.6	<0.2

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QUALITY CONTROL REPORT TIM21003980.1

	Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	1	0.01	0.001
Pulp Duplicates																					
282521	Soil	0.2	6.4	14.6	10	<0.1	4.4	0.6	59	0.27	1.0	0.2	3.8	1.0	6	<0.1	0.1	0.2	10	0.06	0.012
REP 282521	QC	0.2	7.6	14.8	11	<0.1	4.1	0.6	61	0.26	1.2	0.2	<0.5	0.9	5	<0.1	0.1	0.2	10	0.06	0.011
282557	Soil	0.1	7.6	8.8	8	<0.1	2.9	0.3	11	0.10	0.8	0.2	<0.5	1.5	5	<0.1	<0.1	0.2	7	0.06	0.006
REP 282557	QC	0.1	6.5	9.5	7	<0.1	3.1	0.3	11	0.11	0.9	0.2	1.0	1.5	5	<0.1	<0.1	0.1	7	0.06	0.005
282590	Soil	0.4	12.7	7.1	23	<0.1	20.8	6.2	74	1.86	2.2	0.4	1.3	3.0	7	<0.1	<0.1	0.1	42	0.08	0.022
REP 282590	QC	0.5	13.1	7.1	23	<0.1	21.4	6.2	68	1.79	2.3	0.4	1.0	3.2	7	<0.1	<0.1	0.1	42	0.08	0.021
Reference Materials																					
STD BVGEO01	Standard	11.0	4510.4	188.2	1771	2.7	159.2	27.1	734	3.72	125.3	3.9	220.3	16.4	58	7.0	2.4	25.9	72	1.32	0.082
STD DS11	Standard	14.2	143.9	136.2	347	1.8	72.0	14.1	1010	3.01	46.0	2.5	92.9	8.3	65	2.6	7.0	11.4	48	1.03	0.071
STD DS11	Standard	13.6	153.3	147.9	354	1.9	80.3	13.8	1035	3.19	49.7	2.6	100.4	8.5	66	2.8	7.7	12.3	47	1.05	0.079
STD OREAS262	Standard	0.6	109.0	56.3	147	0.5	60.1	27.7	543	3.26	36.6	1.2	56.3	9.5	37	0.6	2.7	1.0	23	2.97	0.040
STD OREAS262	Standard	0.7	120.4	60.2	154	0.5	64.1	28.9	575	3.40	40.8	1.3	53.8	9.9	37	0.7	2.4	1.1	22	3.11	0.044
STD OREAS262	Standard	0.6	118.2	58.5	171	0.5	68.9	30.4	572	3.39	40.9	1.3	54.4	10.1	38	0.8	2.2	1.0	22	3.10	0.041
STD DS11 Expected		13.9	149	138	345	1.71	77.7	14.2	1055	3.1	42.8	2.59	79	7.65	67.3	2.37	7.2	12.2	50	1.063	0.0701
STD BVGEO01 Expected		10.8	4415	187	1741	2.53	163	25	733	3.7	121	3.77	219	14.4	55	6.5	2.2	25.6	73	1.3219	0.0727
STD OREAS262 Expected		0.68	118	56	154	0.45	62	26.9	530	3.284	35.8	1.22	65	9.33	36	0.61	3.39	1.03	22.5	2.98	0.04
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.001

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QUALITY CONTROL REPORT TIM21003980.1

	Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
282521	Soil	5	8	0.03	23	0.017	<20	0.25	0.003	0.02	<0.1	0.03	0.6	<0.1	<0.05	2	<0.5	<0.2
REP 282521	QC	5	7	0.03	23	0.017	<20	0.25	0.004	0.02	<0.1	0.03	0.5	<0.1	<0.05	2	<0.5	<0.2
282557	Soil	6	4	0.02	10	0.020	<20	0.14	0.005	0.02	<0.1	0.02	0.3	<0.1	<0.05	2	<0.5	<0.2
REP 282557	QC	6	3	0.02	10	0.021	<20	0.14	0.005	0.02	<0.1	0.02	0.4	<0.1	<0.05	2	<0.5	<0.2
282590	Soil	6	46	0.18	23	0.081	<20	2.24	0.005	0.02	<0.1	0.08	2.9	<0.1	<0.05	6	0.7	<0.2
REP 282590	QC	6	46	0.18	23	0.080	<20	2.24	0.005	0.02	<0.1	0.07	3.0	<0.1	<0.05	5	0.6	<0.2
Reference Materials																		
STD BVGEO01	Standard	27	151	1.31	350	0.236	<20	2.24	0.182	0.87	3.8	0.10	5.7	0.6	0.66	7	5.0	1.0
STD DS11	Standard	18	55	0.82	418	0.084	<20	1.10	0.068	0.38	2.3	0.26	2.9	4.8	0.27	5	2.2	4.2
STD DS11	Standard	19	58	0.86	453	0.094	<20	1.12	0.071	0.40	2.8	0.28	3.1	5.1	0.28	5	2.1	5.0
STD OREAS262	Standard	16	41	1.15	254	0.003	<20	1.17	0.066	0.30	0.1	0.15	3.1	0.4	0.26	4	0.5	0.2
STD OREAS262	Standard	16	41	1.23	262	0.003	<20	1.20	0.069	0.30	<0.1	0.16	3.4	0.5	0.27	4	<0.5	<0.2
STD OREAS262	Standard	16	41	1.21	273	0.003	<20	1.17	0.069	0.31	<0.1	0.17	3.3	0.5	0.27	4	<0.5	<0.2
STD DS11 Expected		18.6	61.5	0.85	417	0.0976		1.129	0.0694	0.4	2.9	0.26	3.1	4.9	0.2835	4.7	2.2	4.56
STD BVGEO01 Expected		25.9	171	1.2963	340	0.233		2.347	0.1924	0.89	3.5	0.1	5.97	0.62	0.6655	7.37	4.84	1.02
STD OREAS262 Expected		15.9	41.7	1.17	248	0.003		1.3	0.071	0.312	0.13	0.17	3.24	0.47	0.269	3.9	0.4	0.23
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2