

43-101 Technical Report  
on the  
**St. Anthony Property**

Great Northern Peninsula  
Newfoundland, Canada

NTS: 02M05  
UTM: 593,501 mE / 5,692,251 mN (NAD 27, Zone 21N)  
Latitude / Longitude: 51°37'58" N / 55°65'66" W

For

Jerico Explorations Inc.  
#3606 - 833 Seymour Street  
Vancouver, British Columbia  
V6B 0G4

Prepared By

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Effective Date June 16, 2022

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## List of Abbreviations & Acronyms

Table 1: List of Abbreviations& Acronyms

Abbreviation	Long Form
°C	Degrees Celsius
a.s.l.	A.s.l.
Ag	Silver
Au	Gold
AuEq	Gold Equivalent
B.C.	British Columbia
CAD	Canadian Dollar
Cu	Copper
Ext.	Extension
EGBC	Engineers and Geoscientists British Columbia
FSR	Forest Service Road
g (mg, kg, ...)	Grams (Milligram, Kilogram, ...)
ha	Hectares
m (mm, cm, km, ...)	Metres (Millimetre, Centimetre, Kilometre, ...)
Ma	Million years
MC4	Four Post Claim
MCX	Mineral Cell Title Submission
ML	Mining Lease
MOTI	Ministry of Transport and Infrastructure
NI	National Instrument
NSR	Net Smelter Return
ORAR	Omineca Resource Access Road
oz	Troy ounce
Pb	Lead

ppm / ppb	Parts per million / -billion
P.Geo	Professional Geologist (as recognized by EGBC)
QA/QC	Quality Assurance / Quality Control
SUP	Special Use Permit
t	Metric Ton (Tonne)
tpd	Tons per day
USD	United States Dollar
Zn	Zinc

## List of Conversions

Table 2: List of Conversions

<b>Weights</b>	<b>Multiplier</b>
Assay-Ton (long) to Grams (British)	32.67
Assay-Ton (short) to Grams (US/Can)	29.17
Grams to Troy Ounces	0.03215
Grams/Tonne to Troy Ounce/Short Ton	0.0292
Kilograms to Pounds	2.20
Pound to Grams	453.29
Pound to Kilograms	0.45
Pound to Troy Ounces	14.58
ppb to ppm	0.001
ppm to ppb	1000
Short Tons to Tonnes	0.9071
Tonnes to Short Tons	1.1023
Troy Ounce/Short Ton to %	0.003429
Troy Ounce/Short Ton to Grams/Tonne	34.2857
Troy Ounce/Short Ton to Grams	31.1035
Troy Ounce/Short Ton to Pounds	0.06857
% to Pounds	20
% to ppm	1000
% to Troy Ounces	291.57
<b>Areas &amp; Distances</b>	<b>Multiplier</b>
Acres to Hectares	0.405
Feet to Metres	0.3048
Hectares to Acres	2.471
Kilometres to Miles	0.62
Metres to Feet	3.28
Miles to Kilometres	1.61
Square Kilometres to Acres	247.105
Square Kilometres to Hectares	100
<b>Gold Equivalency Grade Calculation</b>	

The gold equivalent grade calculation (including copper and silver values for instance) is based on 100% metal recoveries.

**AuEq g/t** = Au g/t + (Cu grade x ((Cu price per lb/Au price per oz) x 0.06857 lbs per oz x 10,000g per %)) + (Ag grade x (Ag price per oz/Au price per oz))

## 1.0 Summary

The St. Anthony Property (the “**Property**” or “**St. Anthony Property**”) is located in the Great Northern Peninsula of Newfoundland and Labrador, Canada, approximately 750m west of the town of St. Anthony,

Warren Robb | P. Geo.

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Newfoundland. The Property consists of two licenses containing 66 contiguous claims over an area of 1,650 hectares. Access to the Property is via truck, ATV, or snowmobile from the Great Northern Peninsula highway on the eastern side of the Property.

On December 1, 2021, Cumberland Resources Corp. ("**Cumberland**") entered into a letter of intent (the "**Letter**") with Jerico Explorations Inc. ("**Jerico**"). By the terms of this Letter, a wholly owned subsidiary of Jerico (the "**Jerico Subco**") will amalgamate with Cumberland, and all issued and outstanding Cumberland shares will be exchanged for Jerico shares on a 1:1 basis. The resulting amalgamated company is to be named "Cumberland Resource Nickel Corp." This amalgamation is pending at the time of writing.

Jerico is headquartered in Vancouver, British Columbia, Canada and is incorporated pursuant to the *Canada Business Corporations Act*. Cumberland is headquartered in Vancouver, British Columbia, Canada and is incorporated pursuant to the *Business Corporations Act* (British Columbia).

This report is addressed to Jerico Explorations Inc.

The St. Anthony Property is hosted in the Hare Bay Allochthon. According to Williams (*op cit.*), the Hare Bay Allochthon comprises structural slices of sedimentary, mélange and volcanic rocks overlain by the St. Anthony Complex ophiolite which in turn consists of amphibolite, schist and volcanic rocks overlain by the White Hills peridotite. The peridotite unit consists of harzburgites, dunites and pyroxenites in which the harzburgites are foliated and the dunites are finer-grained. Jamieson (1981) stated that the basal portions of the White Hills Peridotite are serpentinized but the interior of the massif is fresh peridotite, however, in amphibole peridotites, the olivine rich portions have been preferentially serpentinized. The Hare Bay Allochthon on the St. Anthony Property grades from plutonic Ultramafic rocks in the western portion to amphibolite's and finally greenschist in the east.

Ridgeline Exploration Services Inc. ("**Ridgeline Explorations**") of Kelowna, B.C. carried out \$113,836.75 on the Property in 2020 and 2022. The programs consisted of a ground-based rock sampling and prospecting program, soil, and stream sediment geochemical sampling, and PhotoSat high resolution topographic survey and orthophoto.

Numerous areas of anomalous Nickel in rock were noted in the 2022 program particularly concentrated in the western portion of the Property. Several rock samples returned values in excess of 1,800 ppm Nickel. These anomalous Nickel values appear to be associated with a strongly magnetic moderately to strong serpentinized peridotite with localized millimetre sized magnetite veins.

There have been no resource or reserve estimates determined on the Property.

Based on a thorough review of the data, it is the author's professional opinion that the St. Anthony Property is a property of merit. The exploration results to date warrant further exploration of the St. Anthony Property to test for continuation of the mineralization identified to date.

In order to advance the St. Anthony Property additional work is recommended to properly assess the economic potential of the Property. Exploration should be continued to focus on the western portion of the Property containing the broad Nickel in rock anomaly.

A Phase I exploration program should be focused on understanding the lithology and mineralization of the Property and performing an airborne VLF-EM survey over the Property. The cost of this Phase I

program has an estimated budget of \$230,750. Permitting is required before any commencement prospecting or airborne geophysical program.

Contingent on the success of the Phase I program, a Phase II diamond drilling program should be completed to test anomalies at depth. Drilling on the western side of the Property would likely need to be helicopter supported. The anticipated budget will be \$320,000 (Table 11). Permitting is required before any commencement of drilling.

## 2.0 Introduction



Warren Robb, P. Geo, has been retained by Jerico to complete this National Instrument 43-101 Technical Report pertaining to the St. Anthony's Property. The purpose of this report is to disclose all material technical information pertaining to the St. Anthony's Property, in accordance with section 4.2 of National Instrument 43-101. The report is to be used in support of raising capital to advance the exploration and development of the St Anthony's Property.

On December 1, 2021, Cumberland Resources Corp. ("**Cumberland**") entered into a letter of intent (the "**Letter**") with Jerico Explorations Inc. ("**Jerico**"). At this time a definitive agreement between the parties is pending. By the terms of the Letter, a wholly owned subsidiary of Jerico (the "**Jerico Subco**") will amalgamate with Cumberland, and all Cumberland shares will be exchanged for Jerico shares on a 1:1 basis. The resulting amalgamated company is to be named "Cumberland Resource Nickel Corp." This amalgamation is forthcoming at the time of writing.

Jerico is headquartered in Vancouver, British Columbia and is incorporated pursuant to the *Canada Business Corporations Act*. Cumberland is headquartered in Vancouver, British Columbia and is incorporated pursuant to the *Business Corporations Act* (British Columbia).

This report is addressed to Jerico Exploration Inc.

The author has been asked to review all geological data pertaining to the St. Anthony Property and to prepare a Report that describes historical work completed on the Property and to make recommendations for further work if warranted. The effective date of this report is June 10<sup>th</sup>, 2022.

## 2.1 Purpose of Report and Terms of Reference

This report has been prepared in compliance with the requirements of National Instrument 43-101 and companion document Form 43-101F1 in support of raising capital to advance the exploration and development of the St. Anthony Property.

In preparing this report, the author reviewed the geological, geophysical and geochemical reports, maps and miscellaneous papers listed in Section 27: References. Of value were publicly available assessment reports and property files filed by various companies for assessment credit with the Industry, Energy and Technology Ministry of the Government of Newfoundland and Labrador. The writer is satisfied that the information contained in these reports was collected and processed in a professional manner following industry best practices applicable at the time, and that the historical data gives an accurate indication of the nature, style and possible economic value of known mineral occurrences on the Property.

## 2.2 Qualified Person and Site Visit

The author, Warren Robb P. Geo., an independent geologist from Maple Ridge B.C., prepared and is responsible for all sections of this report.

The author visited the Property on Feb 22 & 23, 2022, to appraise the geological environment, accessibility to the Property, and verify the sampling techniques and locations and geological information herein.

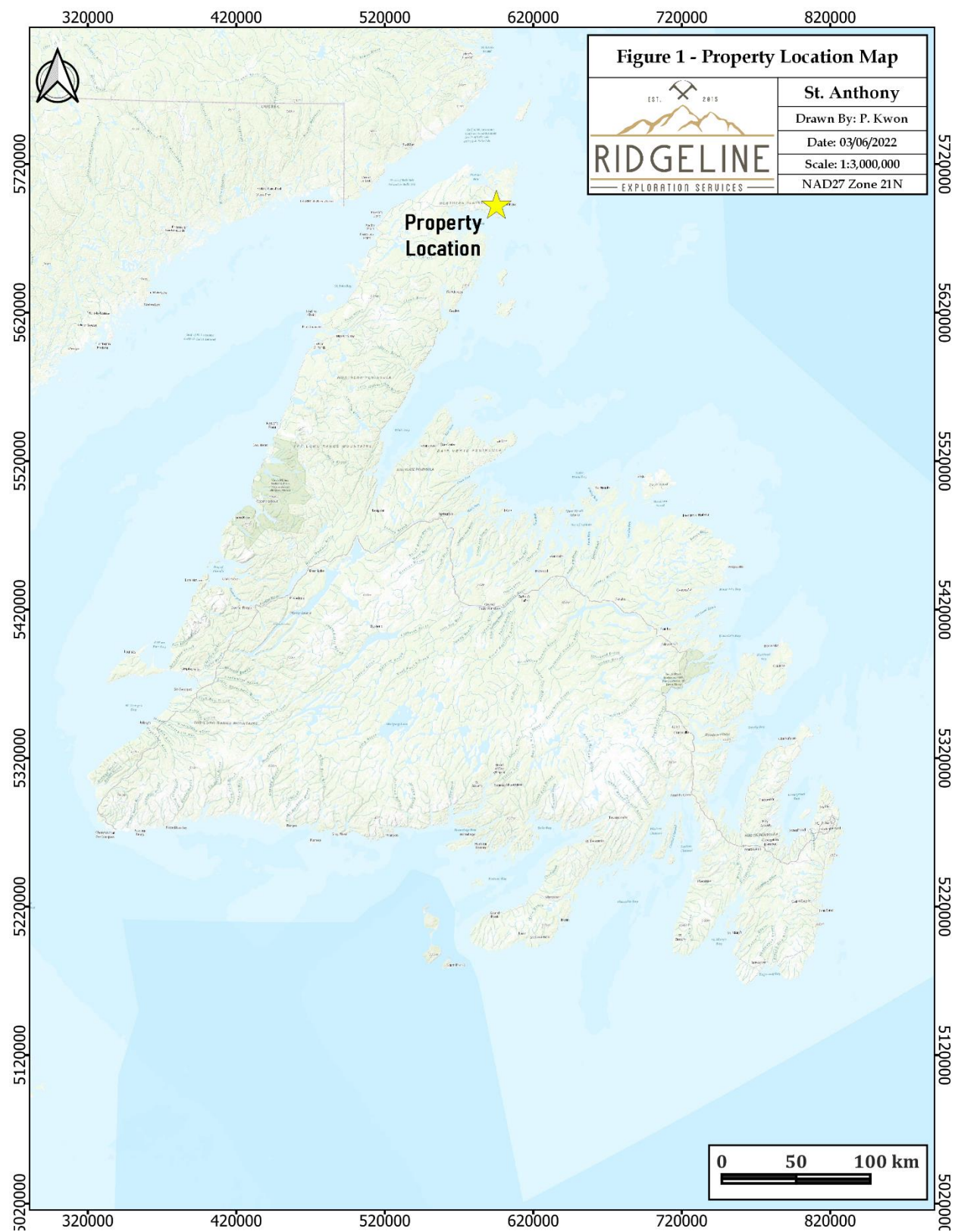
## 3.0 Reliance on Other Experts

The writer has not relied on the opinions of any experts in the preparation of this technical report.

#### 4.0 Property Description and Location

The St Anthony's property is located on the NE coast of the Great Northern Peninsula, White Bay District of Newfoundland and is centred on Latitude 51°37'58" N and Longitude 55°65'66" W and UTM 593,501 mE; 5,692,251 mN in NAD27/21N (Figure 1). The property lies on NTS Map Sheets 02M05. The Property consists of 2 separate claims consisting of 66 claims blocs of 1,650 ha. The Property has not been legally surveyed.

# St. Anthony Property 43-101 Technical Report



## 4.1 Mineral Titles

The Property consists of two contiguous mineral titles located on NTS Map Sheet 02/M05 covering an area of 1,650 hectares. The details of the claims comprising the St. Anthony Property are listed below in Table 3 and are obtained from the Newfoundland Mineral Lands Administration Portal (MinLAP) database system managed by the Newfoundland Department of Industry, Energy, and Technology, Mineral Lands Division and indicate that the license 030785M title is 100% registered in the name 1113382 BC Ltd. who holds the claims in trust for the Parties and license 033672M title is 100% registered in the name of 2653438 Ont. Inc. who holds the claims in trust for the Parties. Tenure information is shown in Table 3.

The exploration licence on each mineral licence is valid to:

- **033672M: 2028/12/05**
- **030785M: 2027/05/02**

Table 3: List of Mineral Claims

Licence Number	Issue Date	Exp. Valid To	Area (ha)
030785M	5/2/2020	02/05/2027	150
033672M	12/5/2021	05/12/2028	1,500
Total:			1,650

Licenses can consist of 1-256 claims per license. Assessment work is required to keep them in good standing: the first five years require \$200, \$250, \$300, \$350, and \$400/year per claim, respectively. Assessment requirements continue for up to 30 years with increasing costs as follows: \$600/claim for years six through ten. \$900/claim for years 11 through 15, \$1,200/claim for years 16 through 20, \$2,000/claim for years 21 through 30. Renewal fees paid directly to the government, which also increases with time, are required every five years (at years 5, 10, 15, 20) and annually for years 21 through 30.

The QP has not independently verified the legal status of surface rights and has not investigated the legality of any of the underlying agreements that may exist concerning the project area.

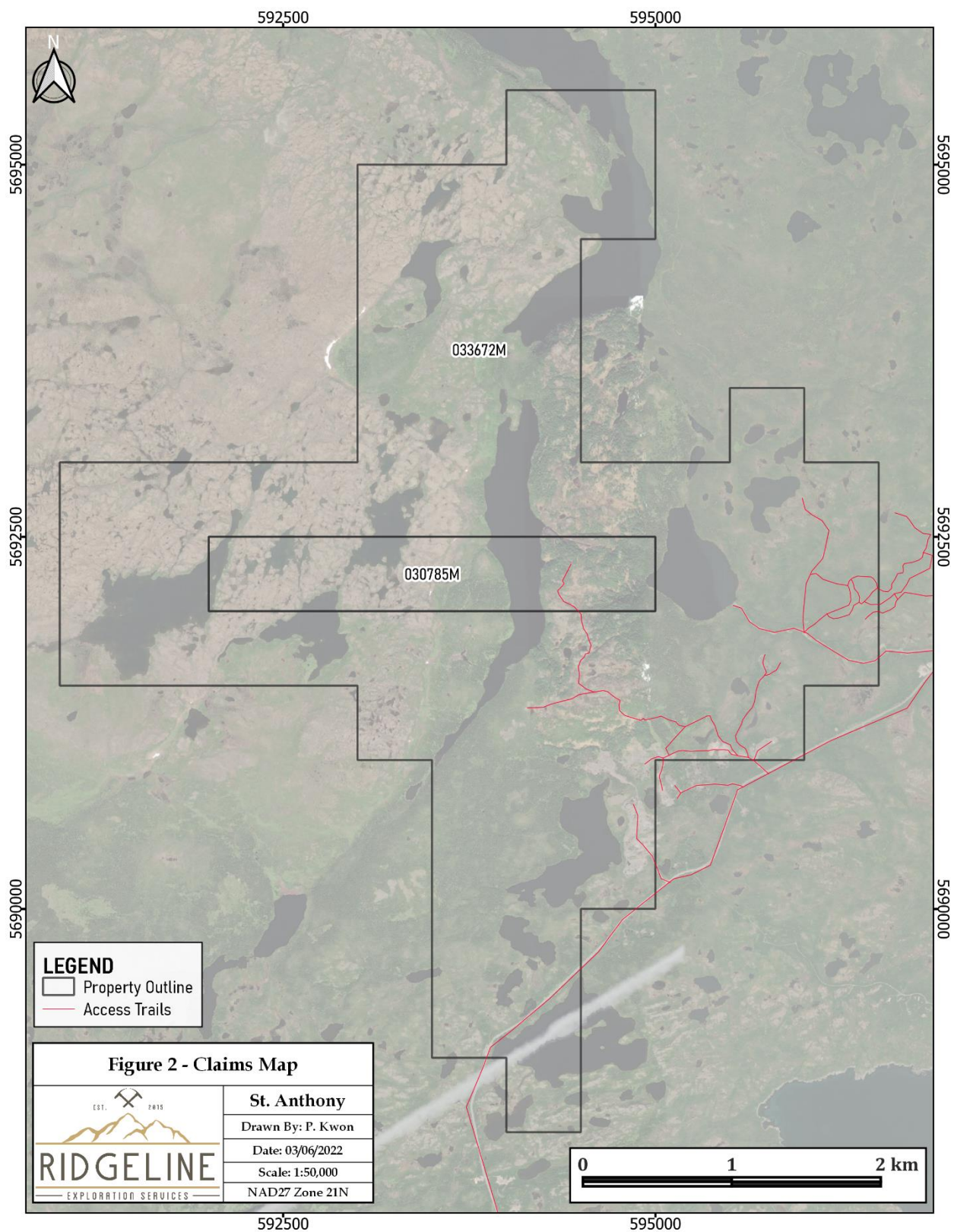


Figure 2 – Claim Location Map



## 4.2 Indigenous & Traditional Territories

The St Anthony Property is not located on First Nations traditional territory.

## 4.3 Permitting, Environmental Liabilities and Other Issues

All exploration activities, including reclamation, must comply with all pertinent federal and provincial laws and regulations. The most fundamental requirement is that exploration on crown land must prevent unnecessary or undue degradation or impact on fish and wildlife and requires reclamation if any degradation or impacts occur. All exploration activities in Newfoundland and Labrador require an Exploration Approval from the Department of Industry, Energy, and Technology (DIET) via the Mineral Lands Division before the start of work. In these approvals, requirements for the exploration are listed along with contacts and conditions from the various other agencies to which the application was referred. Four exploration approvals are in place as of the date of this technical report.

The QP is not aware of any particular environmental, political, or regulatory problems that would adversely affect mineral exploration and development on the Star Property.

## 4.4 Royalties

There are no existing royalties attributed to the St. Anthony Property.

## 5.0 Accessibility, Climate, Local Resources, Infrastructure and Physiography

### 5.1 Accessibility

The Property is located 750m inland from the coastal town of St. Anthony Newfoundland. Access to the Property is via truck or ATV along forest roads and trails directly off the Great Northern Peninsula Highway (Route 430). The eastern portion of the Property is largely accessible by truck and ATV, however moving towards the hills in the western portion of the Property access via snowmobile, hiking, or helicopter is required. Rough hilly terrain requires caution when accessing using snowmobile.

### 5.2 Climate

The climate is typical of northern Newfoundland, relatively wet and windy, with moderate summer temperatures and cold snowy winter temperatures. St. Anthony can record extended periods of >100 km/h winds and high levels of snow fall. Snowfall increases into the high elevation areas away from the coast. Climate can often change very rapidly at any point of the year.

### 5.3 Local Resources

The Great Northern Peninsula of Newfoundland is a relatively sparsely populated area of the province. Most of the human settlement is located along the coast in bays favorable for fishing. Localized hunting and recreational cabins are located in land; however, they are only used seasonally. St. Anthony, Newfoundland is a full-service community servicing the northern portion of the Great Northern Peninsula. St. Anthony has year-round accommodation and fuel along with access to the local airport which has multiple times weekly flights to St. John's, Newfoundland.

## 5.4 Infrastructure

The nearest urban center is St. Anthony, Newfoundland with a population of roughly 2,200 people. St. Anthony has support services including heavy equipment rental, lodging, as well as fuel and supplies. The St. Anthony airport provides multiple passenger flights per week through to St. John's. St. Anthony is located along the paved Great Northern Peninsula highway. Depending upon the type of exploration, the field season can run year-round.

There is sufficient area on the Property for the erection of mining infrastructure including tailings storage facilities, waste dumps, mills.

## 5.5 Physiography

The Property located along the edge of the White Hills in the west and descending into the lower forested areas in the east. The Property lies within elevations of 150-240m ASL in the western portion of the property dropping to 90-170m ASL in the east. The western White Hills are particularly rugged and lack major vegetation with the major topographic highs showing bedrock. The eastern portion of the Property contains strong vegetation (bog, coniferous/deciduous trees, shrubs/bushes) and deposits of diamicton (glacial and marine), marine clay, sand and gravel, glaciofluvial sand and gravel, and colluvium limit bedrock exposure locally throughout much of the claims (Liverman and Taylor, 1990). Numerous large ponds are located on the Property that are likely shallow in nature (less than 2 metres) with rocky shorelines.

Recent studies have suggested a four-stage ice-flow history of late Wisconsinian age for the Great Northern Peninsula, however there is still uncertainty with respect to the affects of at least three stages on the tip of the Great Northern Peninsula (Devereaux et al., 2012). There is however, certainty with the first ice-flow event in that Labrador ice flowed southeastward across the Strait of Belle Isle and then retreated northward during deglaciation (Putt et al., 2010).



*Plate 1 – Rugged White Hills in the western portion of the Property lacking vegetation*





*Plate 2 – View from the White Hills towards the eastern portion of the Property overlooking Western Long Pond*

## 6.0 History

Very limited historical work has been done on within the current boundaries of the St. Anthony Property. Primary focus of exploration is based on historic lake sediment sampling completed by the Newfoundland Geological Survey. Lake sediment sampling is considered one of the primary tools for green field exploration on the island of Newfoundland. Select lake sediment samples from the St. Anthony Property returned 3,320 ppm Ni and 3,120 ppm Ni respectively (ranging from 150 ppm Ni to 3,320 ppm Ni), which are some of the highest in Newfoundland. The Property also contains a 219 ppm Cu-in-lake sediment (ranging from 30 ppm Cu to 219 ppm Cu).

In 2008 – 2009 Brian Penney conducted a limited prospecting program overlapping the southern and central portion of the St. Anthony Property taking 19 rock samples with select grab ranging from below detection to 0.21% Ni.

In 2010 Eagle Ridge Resources conducted a field program focusing on the Goose Cove Property to the south of the current St. Anthony Property. Limited rock samples were taken in the southern overlap of the current St. Anthony Property.

In 2012 Altius Resources conducted a large field program on the island of Newfoundland targeting ultramafic massifs particularly looking for nickel awaruite mineralization. Stream sediment sampling was conducted on the White Hills to which the St. Anthony Property overlaps the eastern edge off. No Ni-in-stream sediment samples were noted in the 3 samples taken within the current St. Anthony Property outlines.

The Property was then staked in 2020 by 1113382 BC Ltd. for license 030785M. In 2020 Ridgeline Exploration Services completed the initial field program. In 2021 2653438 Ontario Inc. continued to stake with the license 033672M.

## 7.0 Geological Setting and Mineralization

### 7.1 Regional Geology

Devereux et al. (2012) write that ophiolite complexes are integral components in the geological evolution of Newfoundland. The island of Newfoundland represents the northeastern terminus of the Paleozoic Appalachian Orogenic Belt which extends southwards to the state of Georgia, USA. Williams (1979) subdivided the Appalachian Orogenic Belt as exposed in Newfoundland into four main tectonostratigraphic zones, viz.; Humber, Dunnage, Gander, and Avalon zones. The Humber Zone is a continental block cored by Precambrian Grenville Province gneiss and the Avalon Zone is a continental block consisting of late Precambrian volcanic and sedimentary rocks. The Gander Zone represents a continental margin to the Avalon Zone continental block. Essentially the Humber Zone is a continental block with North American affinities, *i.e.* was the continental margin of Laurentia, whilst the Gander and Avalon Zones represent a Gondwanan continental margin and core, respectively. The Dunnage Zone constitutes a mobile belt that records the opening, closing and subsequent destruction of the Paleozoic Iapetus Ocean.

The Dunnage Zone was further subdivided by Williams *et al.* (1988) into the Notre Dame and Exploits subzones. These subzones are separated by the Red Indian Line and differ on the basis of pre-accretionary lithologies, fossil affinities, structure, lead isotopic signatures, plutonic suites, regional magnetic signatures and metallogeny. Essentially the Notre Dame subzone represents the peri-Laurentian continental block and the Exploits Subzone represents the Gondwanan peri-continental margin.

Williams *et al.* (1988) and Williams (1995a) also defined the Dashwoods subzone as part of the peri-Laurentian margin, as a component of the Notre Dame subzone. The Dashwoods subzone consists of the Dashwoods microcontinent which rifted from the Laurentian margin and then was subsequently accreted onto the margin following eastward- and then westward-dipping subduction (Lissenberg *et al.*, 2005). Lithologies present within the subzone include Laurentian basement, sedimentary units and volcanic rocks related to the arc events (the so-called *Notre Dame Arc*), including ophiolitic complexes. According to Pehrsson *et al.* (2003), the Dashwoods Subzone exposes a deeper crustal level of the peri-Laurentian margin than does the Notre Dame Subzone and has a more significant sedimentary component.



Geological Survey  
Department of  
Natural Resources

## GENERALIZED INTERPRETIVE MAP- NEWFOUNDLAND APPALACHIANS

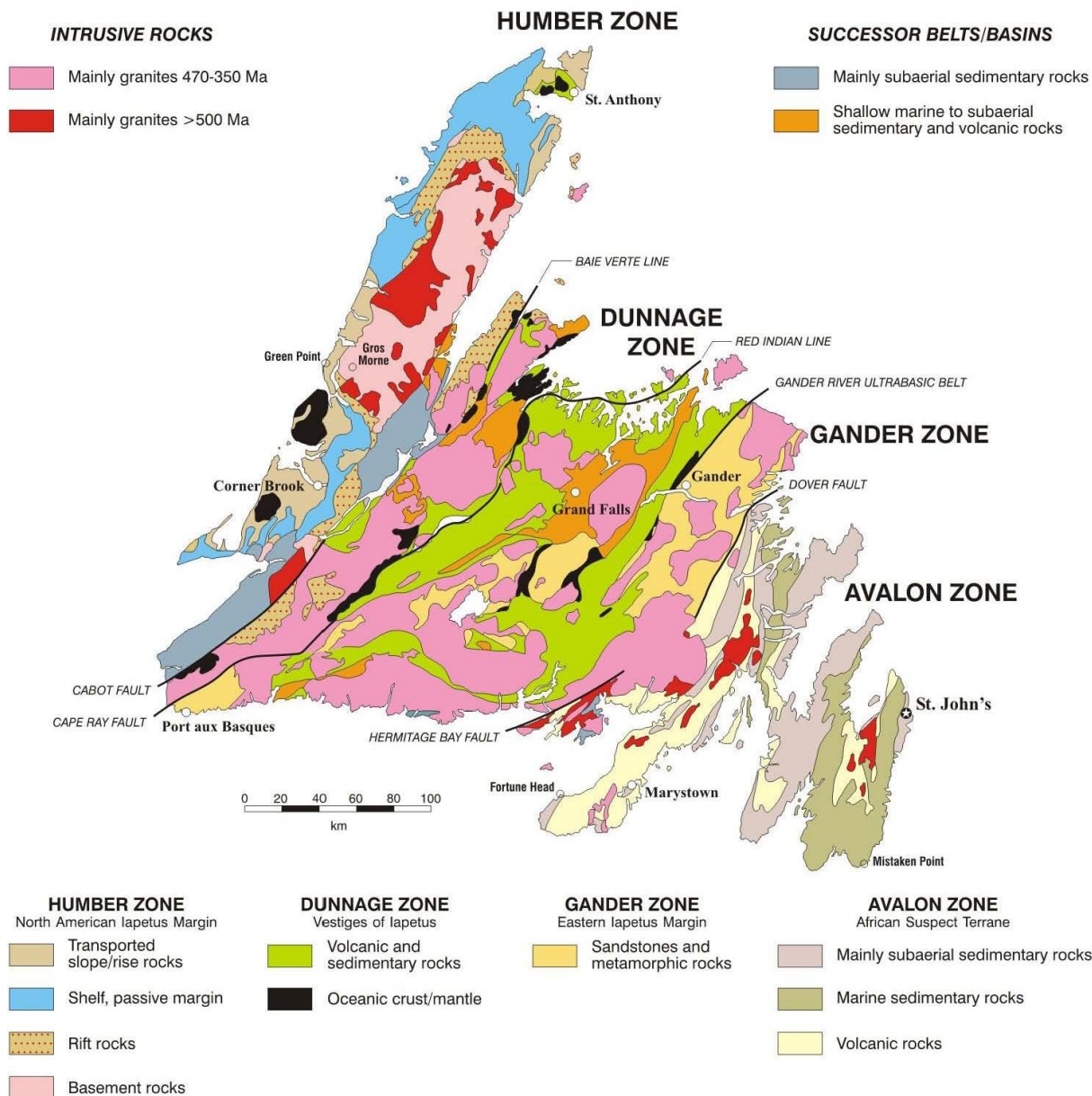


Figure 3 – Geological Map of the Island of Newfoundland

## 7.2 Property Geology

The St. Anthony Property according to the Newfoundland Geological Survey and prospecting done by Ridgeline Exploration Services Inc. is hosted in the Hare Bay Allochthon. According to Williams (*op cit.*), the

Hare Bay Allochthon comprises structural slices of sedimentary, mélange and volcanic rocks overlain by the St. Anthony Complex ophiolite which in turn consists of amphibolite, schist and volcanic rocks overlain by the White Hills peridotite. Williams and Smyth (1983) describe the peridotite unit as consisting of harzburgites, dunites and pyroxenites in which the harzburgites are foliated and the dunites are finer-grained. Jamieson (1981) stated that the basal portions of the White Hills Peridotite are serpentized but the interior of the massif is fresh peridotite, however, in amphibole peridotites, the olivine rich portions have been preferentially serpentized. The Hare Bay Allochthon on the St. Anthony Property grades from plutonic Ultramafic rocks in the western portion to amphibolite's and finally greenschist in the east (Figure 4).



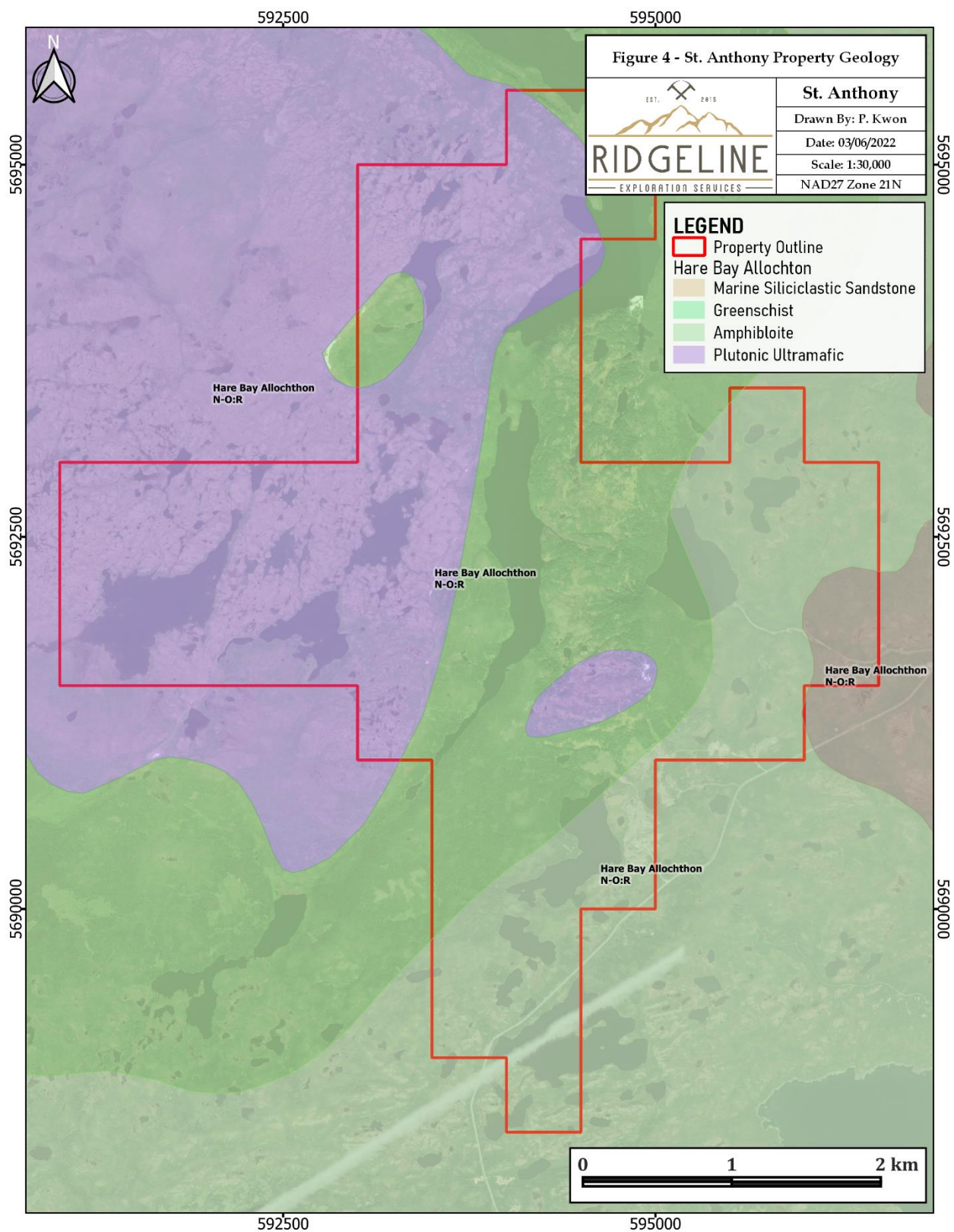


Figure 4 – St. Anthony Property Geology Map

## 8.0 Deposit Types

The main target type on the St. Anthony Property is a magmatic sulphide system with associated nickel, copper, and platinum group elements (PGE), which are commonly associated with mafic to ultramafic-hosted deposits. Magmatic sulphide system deposits are found across Canada, most significantly in the Voisey's Bay area of Labrador, the Raglan belt of northern Quebec, and the Thompson belt in Northern Manitoba. Magmatic sulphide system deposits are associated with igneous rocks that form from the partial melting of mantle material. Further work on the St. Anthony Property will be required to further define the nature of mineralization.

## 9.0 Exploration

Exploration carried out on the Property in 2020 and 2022 included a ground-based rock sampling and prospecting program, soil, and stream sediment geochemical sampling, and PhotoSat high resolution topographic survey and orthophoto. The 2020 program was a single day rock sampling and prospecting program completed on October 5<sup>th</sup>, 2020. The 2022 follow-up rock sampling, prospecting, soil, and stream sediment sampling program was completed from February 3<sup>rd</sup> to March 2<sup>nd</sup>, 2022. The PhotoSat survey was commissioned in May 2022.

### 9.1 2020 Rock Sampling and Prospecting Program

The 2020 rock sampling and prospecting program was a single day program conducted by Ridgeline Exploration Services to follow up on historical Ni-in-lake sediment samples. A total of 10 rock samples were taken, mainly focused on the eastern portion of the Property due to the level of accessibility during the fall portion of the year (Figure 5).

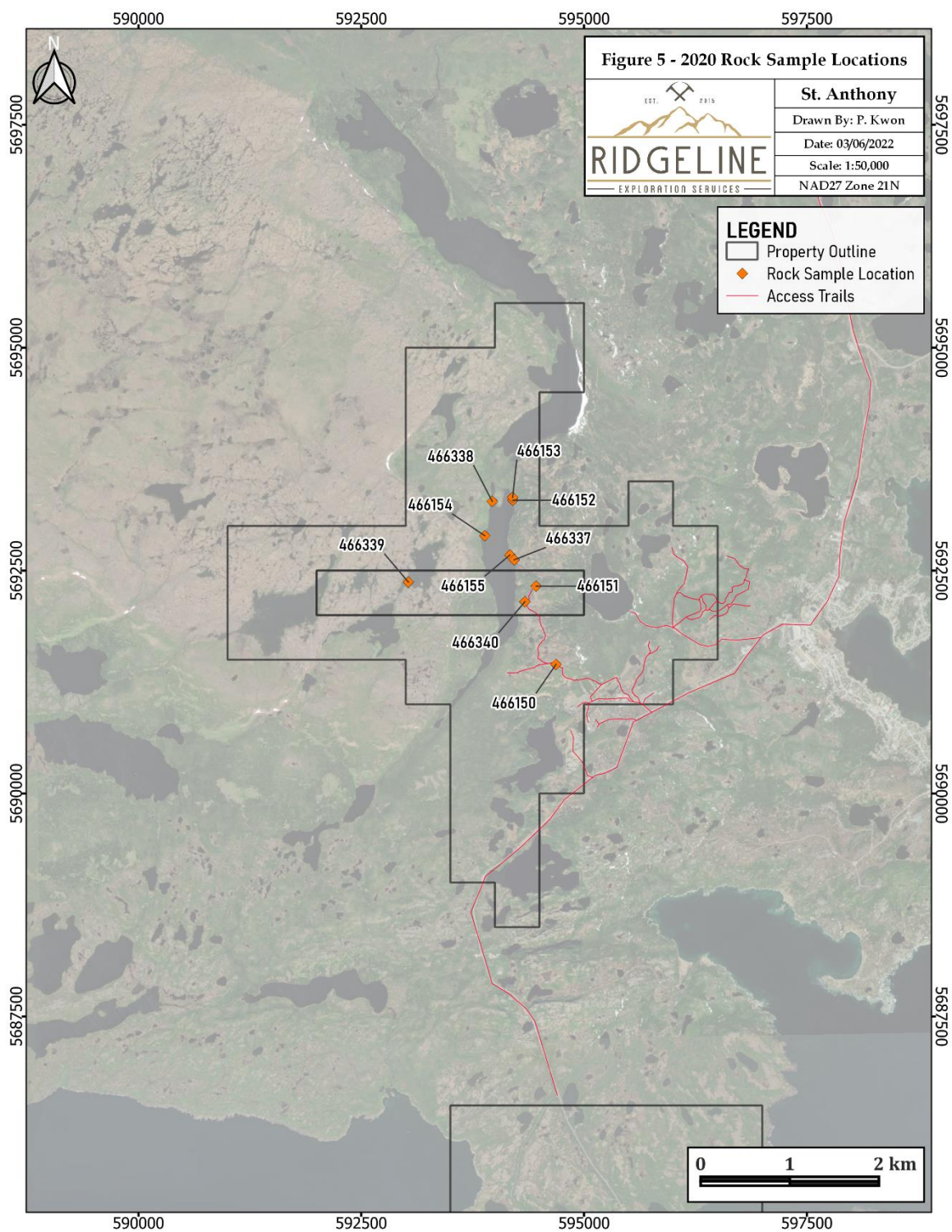


Figure 5 – 2020 Rock Sample Location Map



## 9.2 2022 Rock Sampling, Prospecting, Soil, and Stream Sediment Sampling Program

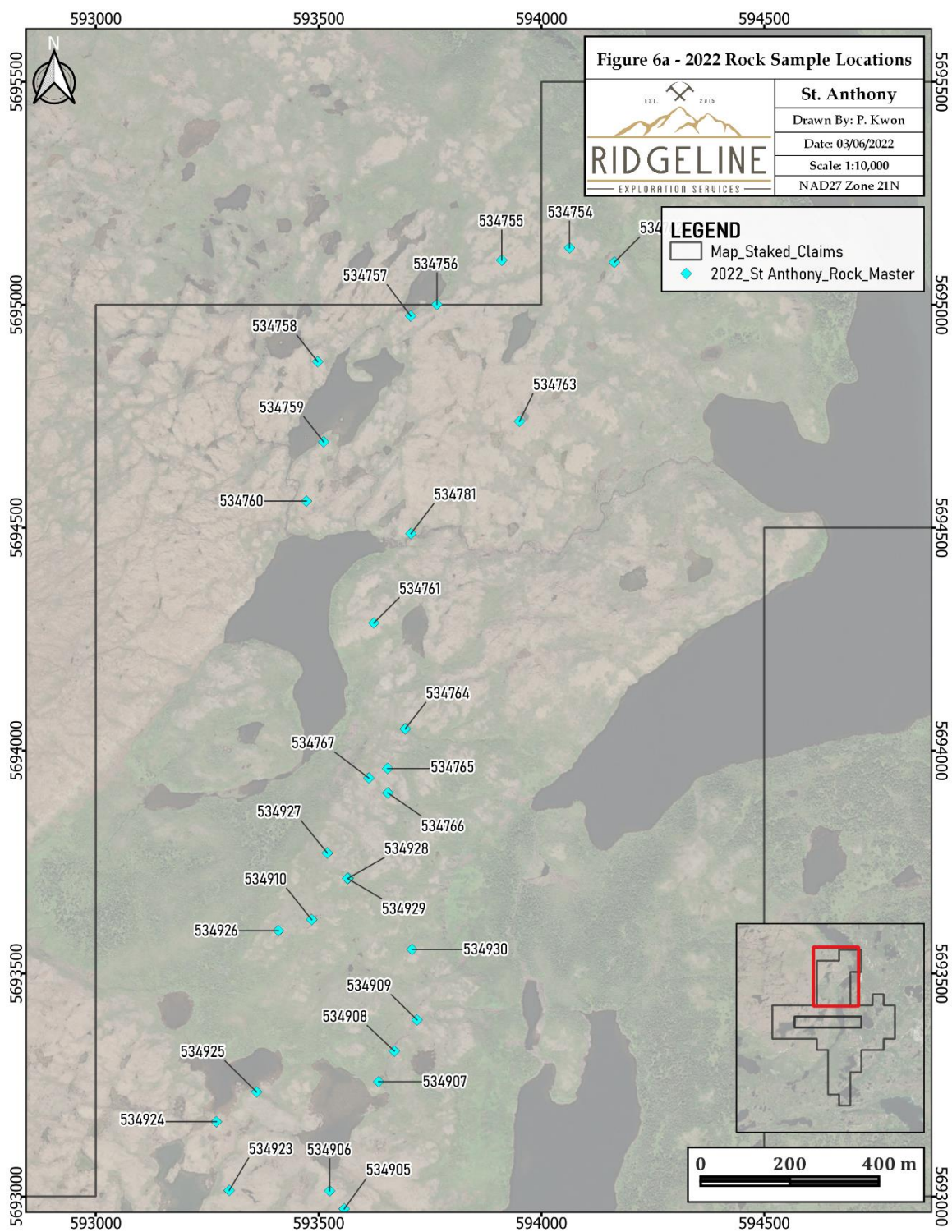
The 2022 rock sampling, prospecting, soil and stream sediment sampling program was conducted by Ridgeline Exploration Services to continue to follow up on historic Ni-in-lake sediment samples in the western portion of the Property, as well as rock samples from the 2020 program. Soil and stream sediment sampling were also conducted along with rock sampling to help determine the effectiveness for exploration on the Property. A total of 148 rock samples were taken in the 2022 program including 7 QAQC samples (Figure 6a, 6b, 6c, 6d, 6e). A total of 7 stream sediment samples were taken in the 2022 program (Figure 7). 50 soil samples were taken including 4 QAQC samples in the 2022 program (Figure 8). Due to weather conditions on the St. Anthony Property in February and March it was very difficult to get effective soil and stream sediment samples due to the amount of snow. Rock sampling was effective with the use of a snowmobile to target outcrop and knobs in the hills in the western portion of the property.



*Plate 3 – Winter soil sampling St. Anthony Property February 2022*

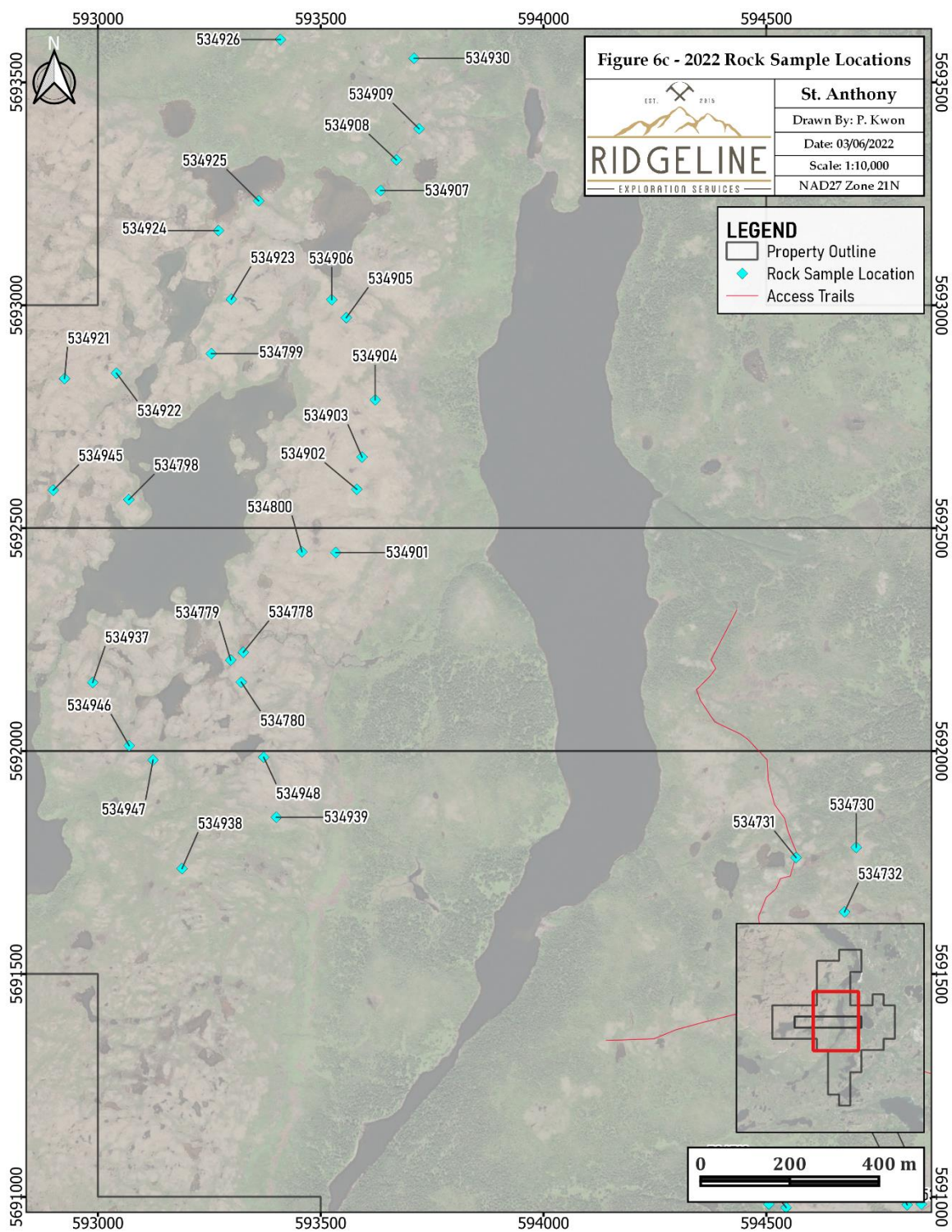


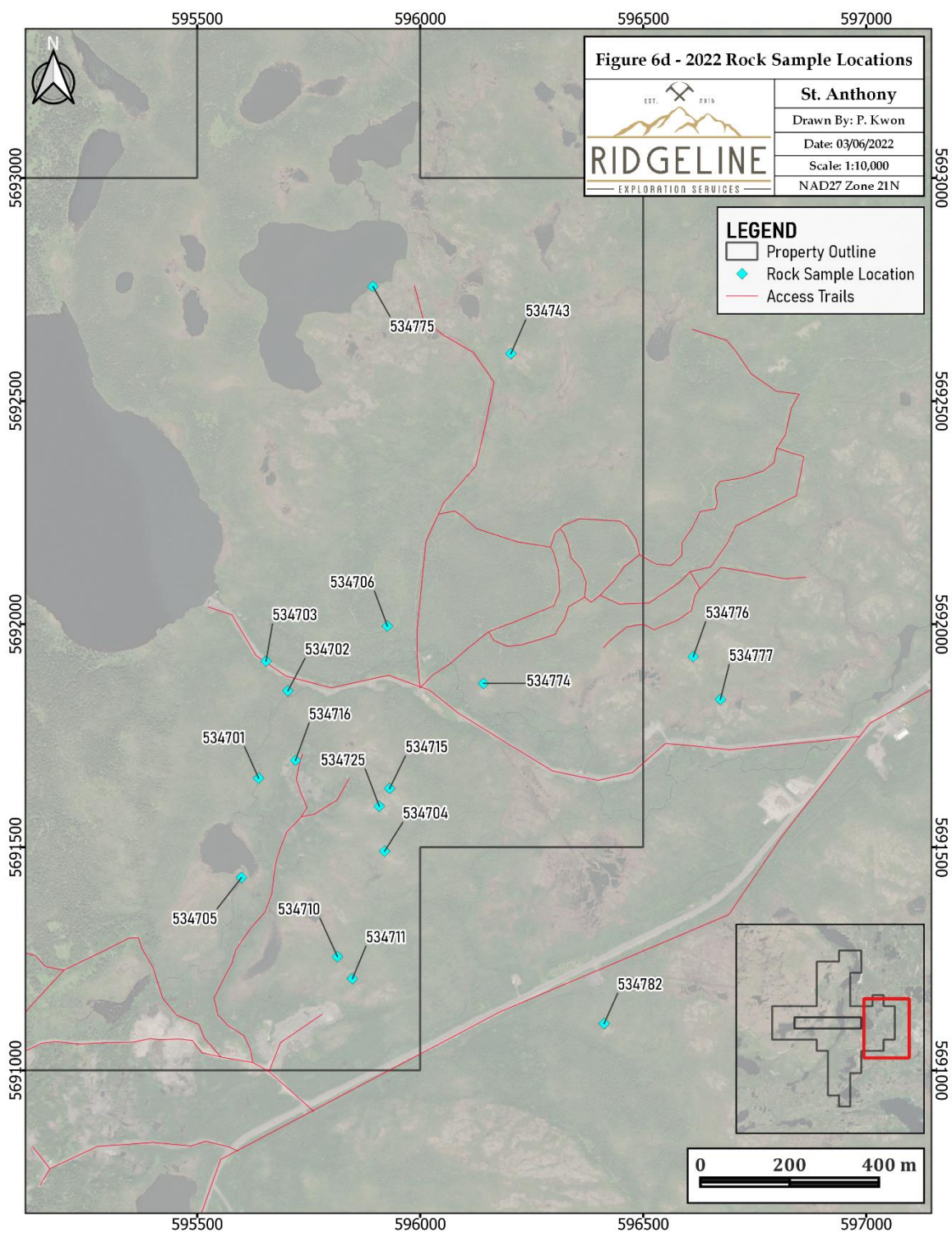
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Effective date: June 10, 2022



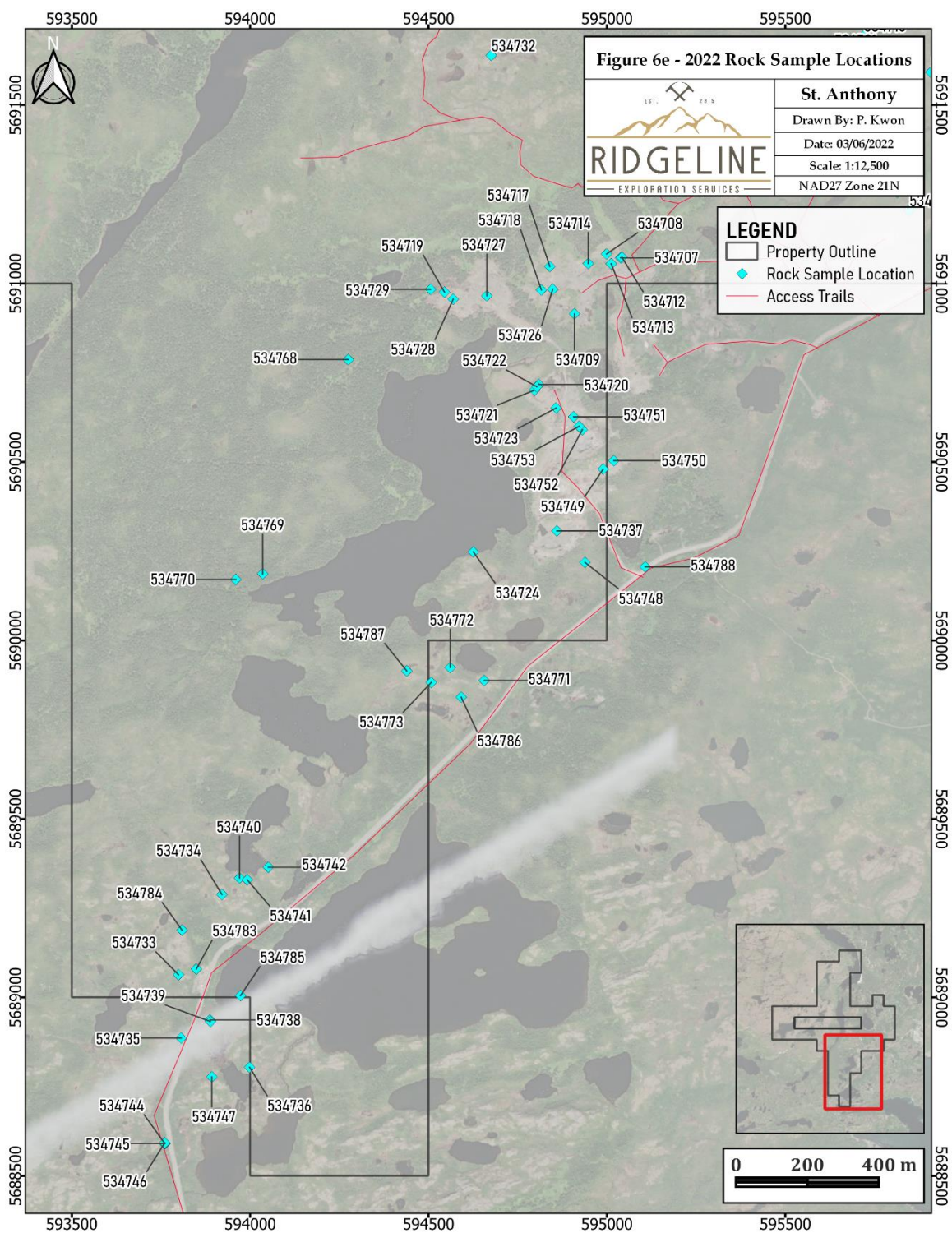












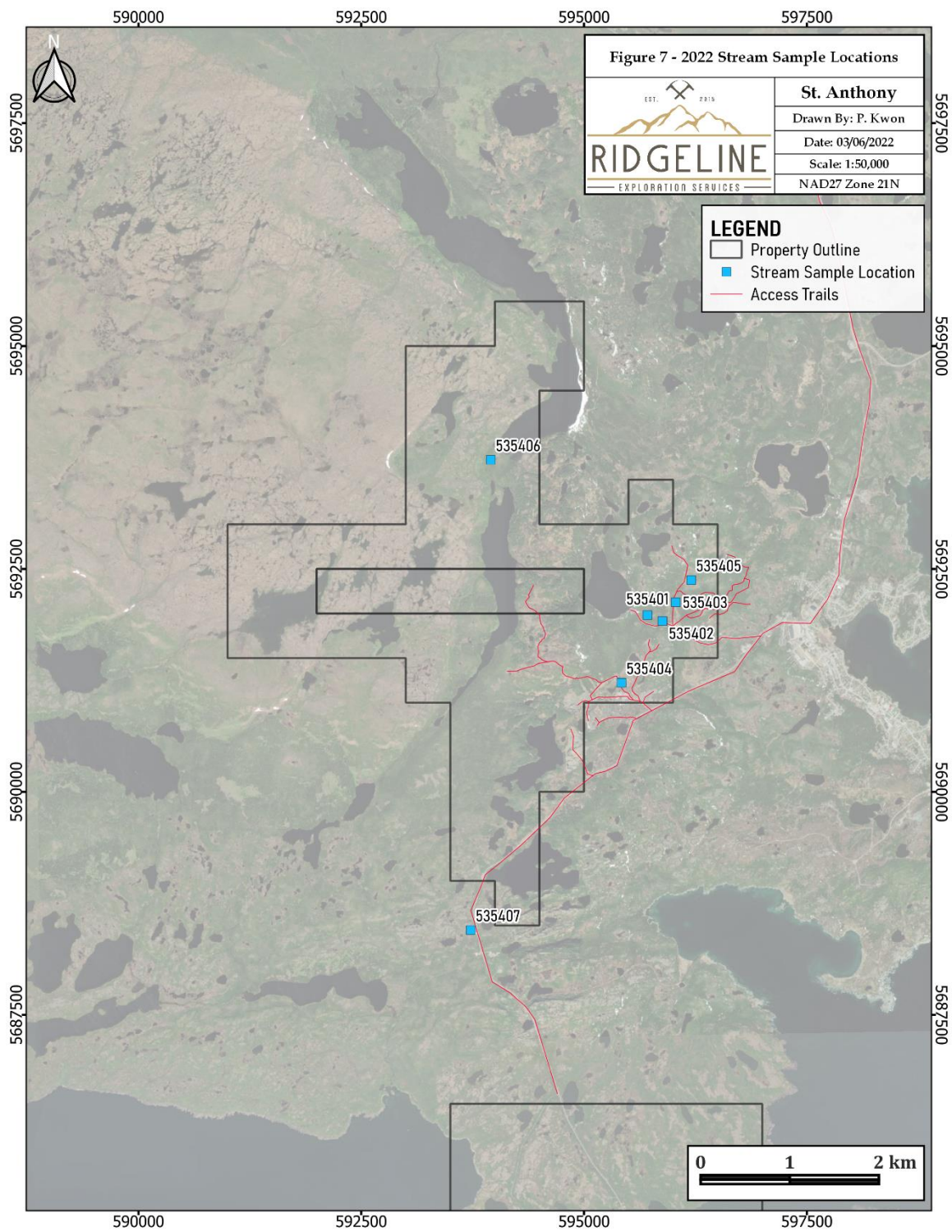


Figure 7 – 2022 Stream Sample Locations



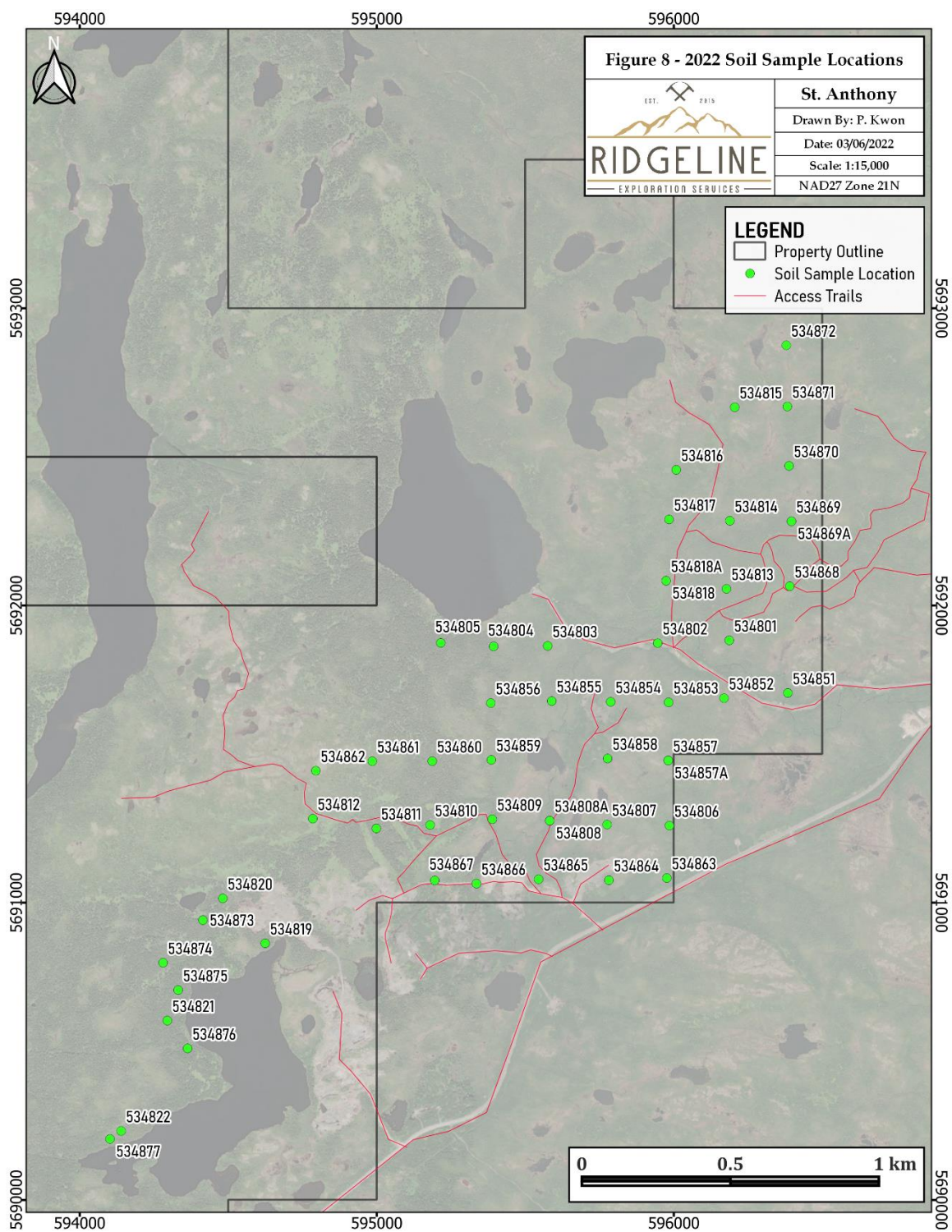


Figure 8 – 2022 Soil Sample Locations

### 9.3 2020 Rock Sampling and Prospecting Program Results

The 2020 program was limited, however, rock sampling results highlighted an anomalous float boulder (466338) at the northern end of Long Pond. The 2020 highlighted a minor increase in Ni-in-rock values towards the west (Figure 9). Rock descriptions are included in table 4.

Table 4 – 2020 Rock Sample Descriptions

Sample ID	Easting (NAD27)	Northing (NAD27)	Unit	Type	Sample Description	Lab Certificate
466150	594686	5691447	Mafic gneiss	float	on flatlands, angular, minor small disseminated sulfides, may be layered intrusion? lots of plagioclase	687-2024176
466151	594463	5692325	Mafic volcanics	subcrop	somewhat layered mafics, non magnetic, minor disseminated sulfides	687-2024176
466152	594202	5693289	mafic intrusion?	subcrop	along shoreline, indistinct layering or gneissic? plagioclase rich, very minor fine disseminated. Py	687-2024176
466153	594200	5693322	mafic intrusion?	subcrop	50 m north, crude layering, amphibole/hornblende? plagioclase rich, minor small disseminated sulfides	687-2024176
466154	593887	5692890	ultramafic?	float	western side of lake, 7 m flat float moderately altered, fine sulfides on fractures	687-2024176
466155	594169	5692674	Volcanics?	grab	back on eastern side, minor plagioclase with disseminated. And stringer py	687-2024176
466337	594217	5692620	mafic	float	gneissic boulder, hornblende rich, some plagioclase, 2% pyrite	687-2024176
466338	593970	5693276	mafic	float	semi rounded boulder, rusty, with biotite, some carbonate,	687-2024176
466339	593029	5692371	ultramafic	float	some quartz, biotite rich, rusty, with pods of pyrites	687-2024176
466340	594337	5692150	mafic	grab	semi rounded boulder from lake shore brecciated with trace pyrite	687-2024176



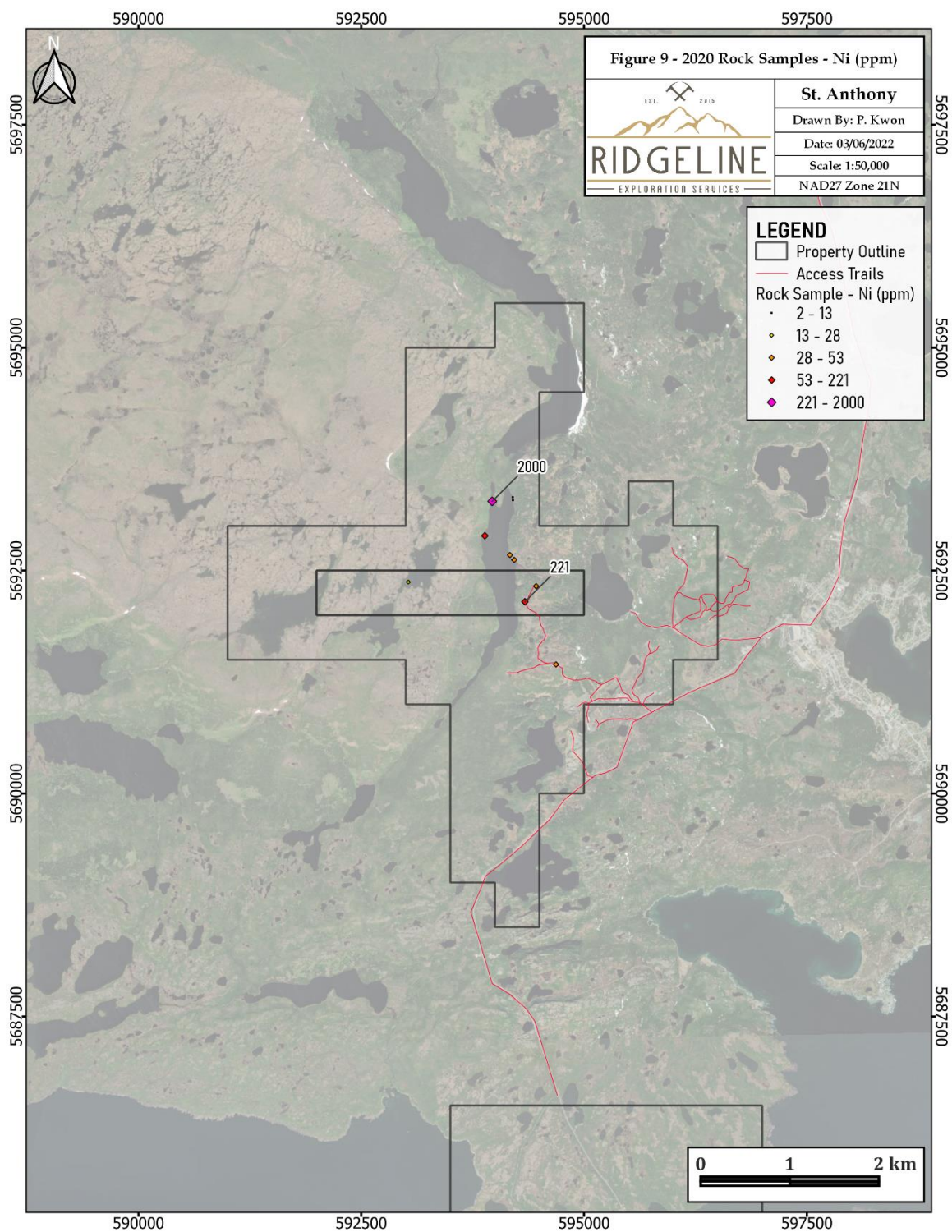


Figure 9 – 2020 Rock Samples – Ni (ppm)

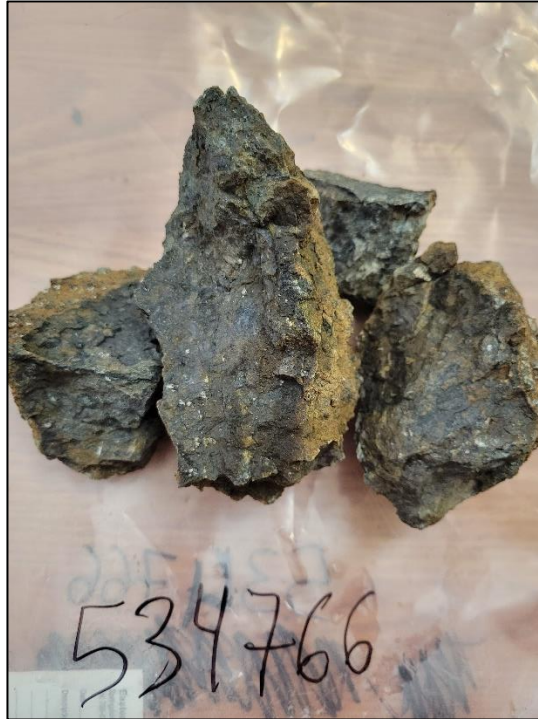
#### 9.4 2022 Rock Sampling, Prospecting, Soil, and Stream Sediment Program Results

The 2022 field exploration program was able to explore the St. Anthony Property comprehensively. Utilizing rock, soil, and stream sediment samples Ridgeline Exploration was able to highlight numerous anomalous Ni-in-rock zones particularly in the western portion of the Property. Soil and stream sediment geochemical sampling in the western portion of the Property proved to be less effective, however, this may be due to difficulty in sampling during the winter months.

Numerous areas of anomalous Ni-in-rock were noted in the 2022 program particularly focused in the western portion of the Property (Figure 10). Areas show a large portion of >1,800 ppm Ni-in-rock values. Higher Ni-in-rock values appear to be associated with a strongly magnetic moderately to strong serpentinized peridotite with localized millimetre sized magnetite veins (Highlighted by sample 534794, Plate 4 & sample 534766, Plate 5). Due to the conditions in the winter and strong snowfall rock sampling was primarily done with support of a snowmobile and samples primarily taken from ridges and corresponding outcrops. Full rock descriptions are in Table 5.



*Plate 4 – Sample 534794 – Strongly magnetic, serpentinized Peridotite with mm size magnetite veins (2,106 ppm Ni)*



*Plate 5 – Sample 534766 – Strongly magnetic, serpentinized, peridotite with mm magnetite veins and potential sulphides*



*Plate 6 – 2022 winter prospecting at St. Anthony in the White Hills of the western portion of the Property*





*Plate 7 – 2022 soil sampling at St Anthony*



*Plate 8 – Sampling by snowmobile during 2022 field program*

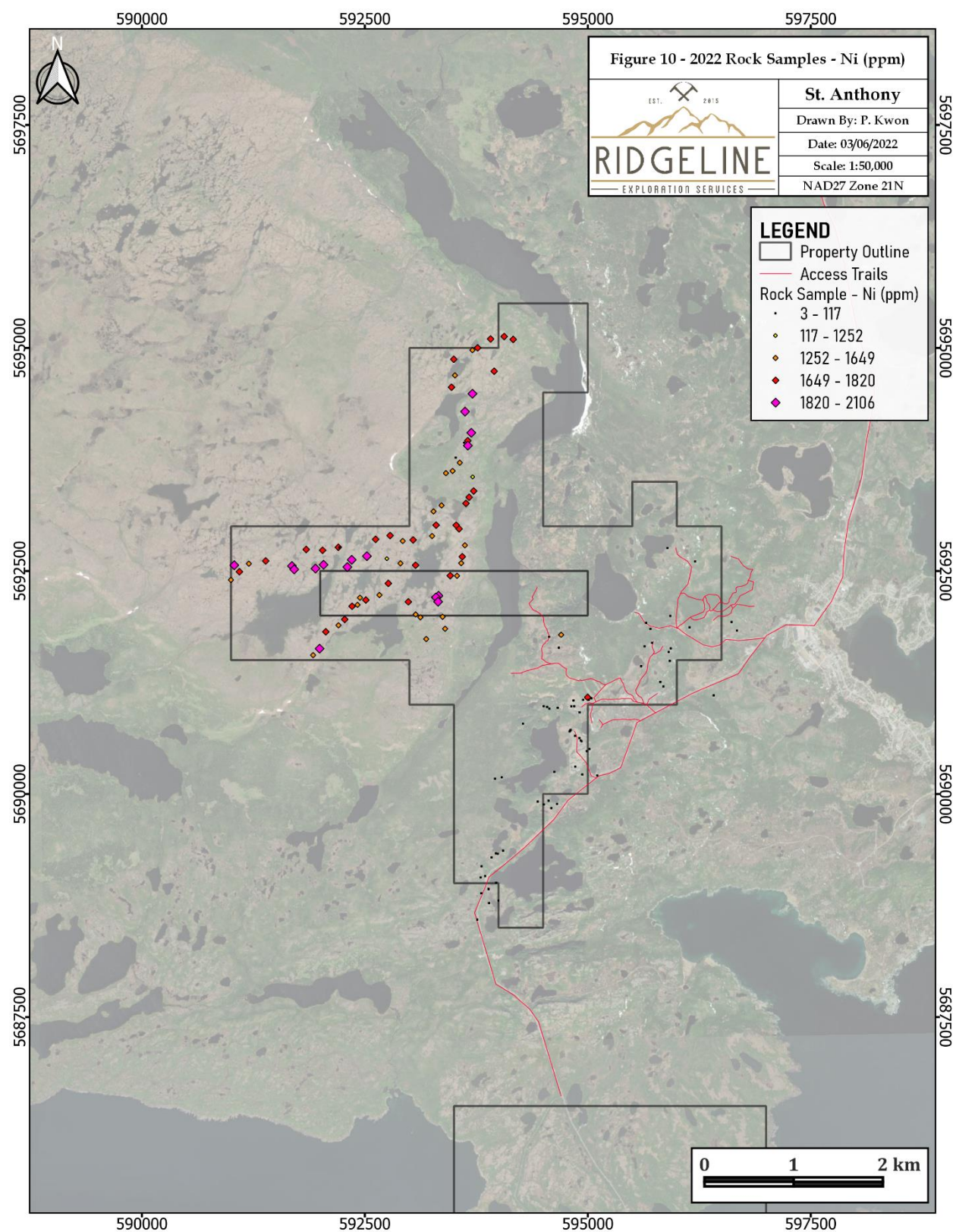


Figure 10 – 2022 Rock Samples – Ni (ppm)

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Table 5 – 2022 Rock Sample Descriptions and Locations

Sample ID	Latitude	Longitude	Easting (NAD27)	Northing (NAD27)	Zone	Elevation	Occurrence	Description	Sample Certificate
534701	51.370109	-55.6261494	595637.671	5691654.602	21U	108.348	Outcrop	Blue Green Phyllite-, Chlorite, rusty in parts, rare fracture exploiting qtz veining along fold hinge, Well folded	YVR2210430
534702	51.371858	-55.6251525	595703.418	5691850.399	21U	72.35	Outcrop	Medium Grey to Blue Green Mudstone-, Rusty in parts, slight chlorite, rare qz veinlets,	YVR2210430
534703	51.372466	-55.6258375	595654.472	5691917.116	21U	80.057	Outcrop	Blue Green Phyllite-, Chlorite, trace fracture exploiting qtz veining,	YVR2210430
534704	51.368591	-55.6221355	595920.242	5691491.042	21U	118.248	Outcrop	Medium Grey to Blue Green Phyllite-questionable 38 moderately 3838 pyrite, Rusty specs throughout and along planes, Chlorite, Bleached surface,,	YVR2210430
534705	51.368113	-55.6267624	595599.163	5691431.84	21U	80.305	Subcrop	Medium grey to blue green phyllite-, Rusty in parts, slight chlorite,,	YVR2210430
534706	51.373126	-55.6219106	595926.418	5691995.645	21U	52.355	Float	Medium Grey to Blue Green Phyllite-trace pyrite, Rusty in parts, chlorite, good qtz veining,	YVR2210430
534707	51.36497	-55.634909	595038.574	5691071.73	21U	99.461	Subcrop	quarry Diorite-trace to 5% pyrite, possibly chalcopyrite,,	YVR2210430
534708	51.365073	-55.635473	594999.098	5691082.453	21U	103.25	Subcrop	quarry Basalt-magnetic throughout, questionable sulphides, bleached to rusty weathering, sooty black veinlets,	YVR2210430
534709	51.363583	-55.6368109	594909.039	5690915.026	21U	65.016	Outcrop	Black Shale-5% disseminated pyrite,, Folded qtz veinlets, vuggy qtz along fracture, well folded, some opened spaces from folding	YVR2210430
534710	51.366484	-55.6237174	595814.524	5691254.667	21U	89.117	Outcrop	Banded Shale-questionable disseminated sulphide, chlorite, slightly rusty in parts, folded qtz boudin, well deformed	YVR2210430
534711	51.366034	-55.6232494	595848.042	5691205.237	21U	96.134	Outcrop	Banded Shale-, slight chlorite, well silicified, qtz throughout as blebs and lenses, well folded	YVR2210430

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534712	51.364984	-55.634858	595042.095	5691073.353	21U	105.26	Outcrop	Banded shale-,slight chlorite, well silicified,continuous qtz lenses,	YVR2210430
534713	51.364825	-55.635292	595012.212	5691055.109	21U	107.406	Subcrop	quarry Banded Siltstone-trace sulphide, slightly magnetic,,fracture qtz, chert nodules/lenses,very hard	YVR2210430
534714	51.364842	55.6362149	594947.924	5691055.803	21U	103.795	Subcrop	quarry Basalt-trace pyrite/sulphide, slightly magnetic,,qtz blebs, vuggy qtz veins,slightly banded	YVR2210430
534715	51.369853	55.6219356	595931.522	5691631.61	21U		Outcrop	Blue Green Phyllite-,chlorite, bleached to rusty,carbonate lenses/blebs,well folded	YVR2210430
534716	51.370455	55.6249496	595720.464	5691694.644	21U		Float	Blue Green Phyllite-,chlorite, bleached to rusty,carbonate lenses/layers,well folded	YVR2210430
534717	51.364786	55.6377648	594840.143	5691047.588	21U		Float	Basalt-magnetic throughout, questionable disseminated sulphides,,,	YVR2210430
534718	51.364199	55.6381229	594816.429	5690981.866	21U		Float	Basalt-slightly magnetic, trace to 5% silver to yellow metallics with rare twinning,,quartz or carbonate along fractures,	YVR2210430
534719	51.36419	55.6420253	594544.769	5690975.844	21U		Outcrop	Basalt-in parts (along fractures?) trace to 5% silver to yellow metallics,,quartz lenses,	YVR2210430
534720	51.361818	55.6382998	594809.025	5690716.907	21U		Outcrop	Basalt->9 hardness translucent to white vitreous and possibly bipyramidal (conundrum?) as nodules/lenses/vuggy crystalline. 5% silver to yellow metallics,,fissile in parts, possibly from shearing	YVR2210430
534721	51.361678	55.6384715	594797.365	5690701.047	21U		Outcrop	Basalt->9 hardness translucent to white vitreous and possibly bipyramidal (conundrum?) as nodules/lenses/vuggy crystalline. Rare silver metallics,,gypsum in parts adjacent to "conundrum",	YVR2210430
534722	51.361764	55.6383749	594803.91	5690710.695	21U		Outcrop	Basalt-folded lenses of conundrum(?) ,,,	YVR2210430

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534723	51.361219	-	594857.816	5690651.097	21U	98.831	Subcrop	Black Shale-5% disseminated sulphides, Slightly Magnetic,,,very slight foliation	YVR2210430
534724	51.357632	-	594625.794	5690247.764	21U	94.24	Subcrop	Basalt-1-5% sulphides. Possible two types. 1=disseminated 2=clustered, Slightly Magnetic,slight red rust,,	YVR2210430
534725	51.369498	-	595908.252	5691591.714	21U	96.041	Subcrop	Basalt-weakly magnetic, trace sulphide,,quartz or carbonate vein,	YVR2210430
534726	51.364211	-	594848.149	5690983.753	21U	107.098	Outcrop	Basalt-weakly magnetic,very rusted,,	YVR2210430
534727	51.364076	-	594663.532	5690965.306	21U	117.94	Outcrop	Basalt-1 to 5% pyrite,,gypsum and a black to brown spliterly mineral form multiple growths. Tormaline,	YVR2210430
534728	51.364007	-	594569.207	5690955.881	21U	114.823	Float	Slate-magnetic, 1 to 5% sulphide,,trace qtz lenses,very hard	YVR2210430
534729	51.364266	-	594505.95	5690983.52	21U	110.895	Outcrop	Mudstone,quartz carbonate blowout throughout, possibly trace obsidian,	YVR2210430
534730	51.371428	-55.63955	594702.163	5691783.874	21U	146.445	Outcrop	Peridotite-Very Magnetic,Orange brown weathering,,	YVR2210430
534731	51.371243	-	594566.957	5691760.785	21U	156.868	Subcrop	Gabbro,Foliated	YVR2210430
534732	51.37013	-55.639967	594675.818	5691638.993	21U	169.38	Subcrop	Gabbro-Trace Sulphides,,,Varying coarse and medium grained minerals	YVR2210430
534733	51.347119	-	593799.391	5689063.028	21U	124.873	Subcrop	Porphyritic Gniess-Trace sulphides, Slightly vuggy,very rusty,,	YVR2210430
534734	51.349121	-55.651427	593921.065	5689287.97	21U	103.804	Subcrop	Shale-Possible trace sulphides associated with silicious unit,,,	YVR2210430
534735	51.345525	-	593806.827	5688885.846	21U	78.956	Float	Shale-,,small kinked qtz veins,slightly folded in areas	YVR2210430
534736	51.344755	-	593998.529	5688803.717	21U	96.059	Subcrop	Basalt-Trace sulphides in quartz veining and along vein selvage,very rusty,quartz <1cm,	YVR2210430
534737	51.358122	-	594859.973	5690306.621	21U	93.997	Outcrop	Black Shale-,reddish green rust,,	YVR2210430



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534738	51.345965	-	593887.479	5688936.275	21U	101.341	Subcrop	Porphyritic Gniess-1-3% Clusters of yellow/red tarnished sulphides(Py?). 1% fracture exploiting silver sulphide (tin foil texture). Slight to 41oderate magnetic, rusty with reddish/orange alteration in fractures, quartz <1cm,	YVR2210430
534739	51.345927	-	593888.949	5688932.075	21U	80.216	Subcrop	Porphyritic Gniess-1-3% yellow brown sulphide(pentlandite?), vuggy in areas, rusty with reddish/orange alteration in fractures,,	YVR2210430
534740			593970.37	5689334.021	21U		Subcrop	Black Shale-,,small quartz veining,	YVR2210430
534741			593991.946	5689329.186	21U		Float	Slate-trace yellow/brown sulphides in along foliation <1mm. Strongly Magnetic,,<1mm quartz veining, foliated	YVR2210430
534742	51.349786	-	594051.178	5689364.341	21U	97.963	Float	Porphyritic Gniess-trace yellow/silver disseminated sulphides, very rusty,,	YVR2210430
534743	51.378569	-	596203.633	5692606.363	21U	42.968	Float	Shale- Magnetic, Rusty,, Foliated	YVR2210430
534744	51.342872	-	593761.197	5688589.886	21U	107.881	Outcrop	Shale-1-5% reddish yellow disseminated sulphides(Chalco?) often associated with fracture zones. Also trace amount of silvery brown sulphide(Py?), Chloritized , <1mm quartz veining, slight foliation	YVR2210430
534745	51.342879	-	593760.834	5688590.658	21U	107.881	Outcrop	Shale-1-2% reddish yellow disseminated sulphides(Chalco?) often associated with fracture zones. Also trace amount of silvery brown sulphide(Py?), Chloritized , Quartz veining up to 3 cm. Selvage sometimes vuggy, slight foliation	YVR2210430
534746	51.342893	-	593760.597	5688592.211	21U	107.9	Subcrop	Shale-1-3% reddish yellow disseminated sulphides(Chalco?) often associated with fracture zones. Also trace amount of silvery brown sulphide(Py?), Chloritized , Quartz veining up to 2 cm, slight foliation	YVR2210430

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534747	51.344532	-	593892.778	5688776.964	21U	118.724	Subcrop	Basalt-Magnetic, Chloritized and rusty, Rusty/vuggy 1cm quartz veining, slight foliation	YVR2210430
534748	51.357316	-	594938.644	5690218.423	21U	111.763	Outcrop	Red Shale-, Very Rusty,,	YVR2210430
534749	51.359656	-	594989.569	5690479.677	21U	110.662	Float	Black Shale-Trace Sulpides,, <1cm fracture qtz veins,	YVR2210430
534750	51.359864	-	595019.493	5690503.372	21U	111.408	Subcrop	Black Shale, 1-4 cm qtz veining,	YVR2210430
534751	51.360989	-	594907.026	5690626.426	21U	108.096	Subcrop	Shale-1-10% disseminated Py, 42% moderate rusty,,	YVR2210430
534752	51.360659	-	594931.17	5690590.166	21U	110.289	Subcrop	Black Shale-minor sulpides,, small <1cm kinked qtz veins, slight foliation	YVR2210430
534753	51.360746	-	594922.218	5690599.677	21U	107.182	Subcrop	Black Shale-5% disseminated py, Slightly magnetic,,	YVR2210430
534754	51.401594	-	594063.082	5695127.882	21U	205.536	Outcrop	Peridotite-Very Magnetic, Minor fine grained disseminated silvery mineral, spec of bright blue mineral, serpentinized, <1cm carbonate veining,	YVR2210430
534755	51.401369	-	593911.073	5695100.048	21U	196.878	Outcrop	Peridotite-Very Magnetic, serpentinized, <1cm carbonate veining,	YVR2210430
534756	51.400501	-	593765.595	5695000.811	21U	189.021	Outcrop	Peridotite-Very Magnetic, serpentinized, <1cm carbonate veining,	YVR2210430
534757	51.400278	-	593706.647	5694974.919	21U	187.538	Outcrop	Peridotite-Very Magnetic, serpentinized, 2.5cm carbonate vein,	YVR2210430
534758	51.39939	-	593497.901	5694872.301	21U	182.023	Outcrop	Peridotite-Very Magnetic, serpentinized, <1cm carbonate veining,	YVR2210430
534759	51.397772	-	593511.22	5694692.556	21U	171.228	Outcrop	Peridotite-Very Magnetic, serpentinized, <1cm carbonate veining,	YVR2210430
534760	51.396582	-	593472.536	5694559.469	21U	165.426	Outcrop	Peridotite-Very Magnetic, serpentinized, <1cm carbonate veining,	YVR2210430
534761	51.394099	-	593623.975	5694286.036	21U	191.68	Outcrop	Peridotite-Very Magnetic, serpentinized, <1cm carbonate veining,	YVR2210430

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534762	51.401284	-	594163.813	5695095.258	21U	190.066	Outcrop	Peridotite-Very Magnetic, Minor fine grained disseminated silvery mineral ,serpentinized ,<1cm carbonate veining ,	YVR2210430
534763	51.398113	-	593950.929	5694738.579	21U	159.891	Outcrop	Peridotite-Very Magnetic,serpentinized ,<1cm carbonate veining ,	YVR2210430
534764	51.391953	-	593694.314	5694048.604	21U	189.133	Outcrop	Peridotite-Very Magnetic, Minor fine grained disseminated silvery mineral ,serpentinized ,<1cm carbonate veining ,	YVR2210430
534765	51.391162	-55.654018	593654.813	5693959.885	21U	167.757	Outcrop	Peridotite-Very Magnetic,serpentinized ,,	YVR2210430
534766	51.390668	-55.654024	593655.405	5693904.943	21U	196.85	Outcrop	Peridotite-Very Magnetic, Minor fine grained disseminated silvery mineral ,serpentinized ,<1cm carbonate veining ,	YVR2210430
534767	51.390975	-55.654627	593612.825	5693938.312	21U	217.069	Float	Metadiorite-,,schist texture	YVR2210430
534768	51.362535	-	594275.046	5690786.689	21U	129.081	Outcrop	Slate-weak patchy magnetism. Rare bright blue 43oderately43 43oderately43 mineral,,1cm quartz/43oderate? Vein,foliated	YVR2210430
534769	51.357179	-	594035.401	5690186.457	21U	123.268	Outcrop	Slate-weak patchy magnetism. Trace Pyrite,,foliated	YVR2210430
534770	51.357049	-	593959.984	5690170.606	21U	70.811	Outcrop	Slate-Trace to minor pyrite,,<1cm white fracture exploting veining(crb?),foliated	YVR2210430
534771	51.354389	-	594655.877	5689887.565	21U	173.15	Outcrop	Slate-Trace pyrite,Chloritized,minor chlorite veining,foliated	YVR2210430
534772	51.35473	-	594560.966	5689923.739	21U	165.498	Outcrop	Folded Shale-Minor chl vein related Pyrite,Chloritized,minor chlorite veining,banded	YVR2210430
534773	51.354365	-	594507.755	5689882.15	21U	167.103	Outcrop	Folded Shale-Trace to minor pyrite,Chloritized,minor chlorite veining,banded	YVR2210430
534774	51.371934	-	596142.035	5691867.103	21U	38.377	Subcrop	43oderate silicified medium grained volcanic – weakly chloritized	YVR2210430
534775	51.379973	-	595894.071	5692756.717	21U	107.312	Outcrop	Moderatly silicified grey slate	YVR2210430

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534776	51.372395	-55.612075	596612.552	5691927.278	21U	37.211	Outcrop	mod-weakly silicified fine-medium grained volcanic, weakly chloritized, 2-3cm quartz vein w/ comb texture	YVR2210430
534777	51.371522	-55.611229	596673.276	5691831.314	21U	26.639	Outcrop	mod-weakly silicified fine-medium grained volcanic, weakly chloritized, 1cm quartz vein w/ comb texture	YVR2210430
534778	51.375588	-	593326.47	5692221.389	21U	197.307	Outcrop	Peridotite-Very Magnetic,serpentinized , mm sized magnetite veins	YVR2210430
534779	51.375435	-	593298.037	5692203.848	21U	205.219	Outcrop	Peridotite-Very Magnetic,serpentinized , mm sized magnetite veins	YVR2210430
534780	51.374986	-	593321.918	5692154.338	21U	201.776	Outcrop	Peridotite-Very Magnetic,serpentinized , mm sized magnetite veins	YVR2210430
534781	51.395889	-	593707.276	5694486.69	21U	171.825	Outcrop	Peridotite-Very Magnetic,serpentinized , mm sized magnetite veins	YVR2210430
534782	51.365035	-	596412.534	5691104.744	21U	63.934	Outcrop	Silicified fine grained volcanic- Trace blue silver sulphide	YVR2210430
534783	51.347256	-	593849.252	5689079.184	21U	143.553	Outcrop	Shale-Highly Chloritized, trace sulphides, fracture exploiting carbonate veins with sulphides in selvage.	YVR2210430
534784	51.348243	-	593809.072	5689188.241	21U	164.939	Outcrop	Porphyritic Gniess – Trace silver sulphide(Asp?)	YVR2210430
534785	51.346568	-55.650753	593973.227	5689004.931	21U	89.422	Outcrop	Shale- 44oderately magnetic, few <1mm quartz vein lenses, Moderatly chloritized	YVR2210430
534786	51.353981	-	594591.684	5689840.988	21U	123.342	Outcrop	Shale- 44oderately magnetic, Moderatly chloritized	YVR2210430
534787	51.354666	-	594439.177	5689914.364	21U	121.887	Outcrop	Shale- 44oderately magnetic, trace sulphides associated with limonite, Moderatly chloritized	YVR2210430
534788	51.357176	-	595107.496	5690205.994	21U	134.996	Outcrop	Shale- 44oderately magnetic, Moderatly chloritized	YVR2210430
534789	51.379039	-	591036.193	5692563.874	21U	227.249	Outcrop	Peridotite-moderately Magnetic,serpentinized , mm sized magnetite veins	YVR2210430

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534790	51.378853	-	591682.869	5692554.771	21U	218.805	Outcrop	Peridotite-moderate to strongly Magnetic,serpentinized , mm sized magnetite veins	YVR2210430
534791	51.37851	-	591708.33	5692517.074	21U	220.456	Outcrop	Peridotite- strongly Magnetic,serpentinized , mm sized magnetite veins	YVR2210430
534792	51.378558	-	591946.938	5692526.711	21U	211.919	Outcrop	Peridotite- strongly Magnetic,serpentinized , many mm sized magnetite veins, small crystalite veins	YVR2210430
534793	51.378926	-	592037.366	5692569.279	21U	212.376	Outcrop	Peridotite- moderately Magnetic,serpentinized , mm sized magnetite veins	YVR2210430
534794	51.378651	-55.673792	592304.181	5692543.511	21U	213.981	Outcrop	Peridotite- strongly Magnetic,serpentinized , many mm sized magnetite veins	YVR2210430
534795	51.37937	-	592353.326	5692624.383	21U	228.005	Outcrop	Peridotite- strongly Magnetic,serpentinized , many mm sized magnetite veins, small crystalite veins	YVR2210430
534796	51.379714	-	592523.341	5692665.732	21U	220.036	Outcrop	Peridotite- strongly Magnetic,serpentinized , mm sized magnetite veins, abundant surficial crystalite	YVR2210430
534797	51.379423	-	592747.456	5692637.433	21U	207.431	Outcrop	Peridotite- strongly Magnetic,serpentinized , mm sized magnetite veins	YVR2210430
534798	51.378709	-	593069.375	5692563.873	21U	197.232	Outcrop	Peridotite- moderately Magnetic,serpentinized , mm sized magnetite veins	YVR2210430
534799	51.381622	-	593254.69	5692891.305	21U	206.33	Outcrop	Peridotite- moderately Magnetic,serpentinized , mm sized magnetite veins	YVR2210430
534800	51.377593	-	593458.028	5692446.837	21U	212.339	Outcrop	Peridotite- Very strongly Magnetic,serpentinized , abundant magnetite	YVR2210430
534901	51.377566	-	593534.011	5692445.227	21U	211.779	Outcrop	Peridotite- strongly Magnetic,serpentinized , mm sized magnetite veins	YVR2210430
534902	51.378832	-	593581.117	5692586.923	21U	216.491	Outcrop	Peridotite- Very strongly Magnetic,serpentinized , abundant magnetite veining	YVR2210430



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534903	51.379481	55.6552507	593592.876	5692659.334	21U	215.548	Outcrop	Peridotite- Strongly Magnetic,serpentinized , mm sized magnetite veining	YVR2210430
534904	51.380629	55.6547917	593622.474	5692787.583	21U	214.839	Outcrop	Peridotite- moderately Magnetic,serpentinized , mm sized magnetite veining	YVR2210430
534905	51.382297	55.6556757	593557.553	5692971.942	21U	218.161	Outcrop	Peridotite- moderately Magnetic,serpentinized , mm sized magnetite veining	YVR2210430
534906	51.382665	55.6561357	593524.792	5693012.278	21U	215.016	Outcrop	Peridotite- strongly Magnetic,serpentinized , mm sized magnetite veining with associated chalcidony?	YVR2210430
534907	51.384848	55.6544938	593634.594	5693257.134	21U	207.543	Outcrop	Peridotite- moderately Magnetic,serpentinized , mm sized magnetite veins	YVR2210430
534908	51.38546	55.6539669	593670.014	5693325.864	21U	204.51	Outcrop	Peridotite- moderately Magnetic,serpentinized , mm sized magnetite veins	YVR2210430
534909	51.386081	55.6532189	593720.792	5693395.879	21U	202.439	Outcrop	Peridotite- Strongly Magnetic,serpentinized , mm sized magnetite veins, abundant mm sized carbonate veins	YVR2210430
534910	51.388142	55.6565559	593484.395	5693620.807	21U	220.997	Outcrop	Peridotite- moderately Magnetic,serpentinized , mm sized magnetite veins	YVR2210430
534911	51.377561	55.6925803	590998.763	5692398.793	21U	221.147	Outcrop	Peridotite- moderately Magnetic,serpentinized , mm sized magnetite veins	YVR2210430
534912	51.378374	55.6911904	591093.884	5692490.93	21U	232.521	Outcrop	Peridotite- moderately Magnetic,serpentinized , mm sized magnetite veins	YVR2210430
534913	51.379167	55.6896485	591199.619	5692581.033	21U	226.773	Outcrop	Peridotite- moderately Magnetic,serpentinized , mm sized magnetite veins, few mm sized carbonate fracture veins	YVR2210430
534914	51.379415	55.6869296	591388.346	5692612	21U	200.862	Outcrop	Peridotite- moderately Magnetic,serpentinized , mm sized magnetite veins, few mm sized carbonate fracture veins	YVR2210430
534915	51.380498	55.6803708	591842.629	5692740.637	21U	224.571	Outcrop	Peridotite- moderately Magnetic,serpentinized , mm sized magnetite veins	YVR2210430

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534916	51.380385	-55.6777309	592026.574	5692731.384	21U	216.341	Outcrop	Peridotite- moderately Magnetic,serpentinized , mm sized magnetite veins, some surficial crystolite	YVR2210430
534917	51.380658	-55.675192	592202.714	5692764.935	21U	209.343	Outcrop	Peridotite- Very Magnetic,serpentinized , mm sized magnetite veins w/ associated chalcedony?, some surficial crystolite	YVR2210430
534918	51.380627	-55.675029	592214.12	5692761.693	21U	193.528	Float	Metagabbro- Silicified, foliated	YVR2210430
534919	51.381391	-55.6691572	592621.208	5692854.06	21U	220.745	Outcrop	Peridotite- mod- strongly Magnetic,serpentinized , mm sized magnetite veins	YVR2210430
534920	51.381745	-55.6668153	592783.468	5692896.39	21U	214.093	Outcrop	Peridotite- moderately Magnetic,serpentinized , mm sized magnetite veins	YVR2210430
534921	51.381172	-55.6647944	592925.267	5692835.231	21U	198.79	Outcrop	Peridotite- strongly Magnetic,serpentinized , mm sized magnetite veins, few mm sized carbonate veins	YVR2210430
534922	51.381263	-55.6631185	593041.713	5692847.478	21U	208.634	Outcrop	Peridotite- Moderately Magnetic,serpentinized , mm sized magnetite veins	YVR2210430
534923	51.382712	-55.6593736	593299.375	5693013.376	21U	214.326	Outcrop	Peridotite- Moderately Magnetic,serpentinized , mm sized magnetite veins, few mm sized carbonate veins	YVR2210430
534924	51.384101	-55.6597466	593270.593	5693167.363	21U	195.506	Outcrop	Peridotite- Strongly Magnetic,serpentinized , abundant mm sized magnetite veins	YVR2210430
534925	51.384686	-55.6584327	593360.835	5693234.091	21U	209.157	Outcrop	Peridotite- Moderately Magnetic,serpentinized , mm sized magnetite veins	YVR2210430
534926	51.387932	-55.6576348	593409.748	5693596.077	21U		Outcrop	Peridotite- Strongly Magnetic,serpentinized , mm sized magnetite veins, small <mm crystolite veins	YVR2210430
534927	51.389479	-55.6560109	593519.587	5693770.182	21U	222.882	Float	Metagabbro- Silicified, foliated, Rusy zones of disseminated sulphides	YVR2210430
534928	51.388963	-55.6553519	593566.491	5693713.643	21U	215.52	Float	Mafic Gniess – foliated quartz veining	YVR2210430
534929	51.388958	-55.6553749	593564.901	5693713.057	21U	218.487	Outcrop	Peridotite- Very Strongly Magnetic,serpentinized , mm sized magnetite veins	YVR2210430

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534930	51.387503	-	593709.674	5693553.86	21U	201.244	Outcrop	Peridotite- Very Strongly Magnetic,serpentinized , mm sized magnetite veins, very abundant crystalite	YVR2210430
534931	51.370475	-	591992.869	5691628.383	21U	210.818	Outcrop	Peridotite- Very Strongly Magnetic,serpentinized , mm sized magnetite veins, very abundant olivine	YVR2210430
534932	51.372164	-	592062.563	5691817.526	21U	209.427	Outcrop	Peridotite- Weak to Moderately Magnetic,serpentinized , mm sized magnetite veins.	YVR2210430
534933	51.37469	-	592357.255	5692103.848	21U	211.919	Outcrop	Peridotite- Moderatly Magnetic,serpentinized , mm sized magnetite veins	YVR2210430
534934	51.374824	-55.672262	592418.371	5692119.861	21U	215.511	Outcrop	Peridotite- Moderate to Strong Magnetic,serpentinized , mm sized magnetite veins, very abundant olivine	YVR2210430
534935	51.375536	-55.671848	592445.749	5692199.561	21U	207.123	Outcrop	Peridotite- Weak to Moderate Magnetic,serpentinized , mm sized magnetite veins, very abundant olivine	YVR2210430
534936	51.376927	-	592763.502	5692360.068	21U	218.543	Outcrop	Peridotite- Moderatly Magnetic,serpentinized , mm sized magnetite veins	YVR2210430
534937	51.375035	-	592988.373	5692153.696	21U	213.44	Outcrop	Peridotite- Weak to Moderate Magnetic,serpentinized , mm sized magnetite veins, very abundant olivine	YVR2210430
534938	51.371249	-	593188.784	5691736.195	21U	230.412	Outcrop	Peridotite- Moderatly Magnetic,serpentinized , mm sized magnetite veins. Abundant olivine	YVR2210430
534939	51.37225	-	593400.499	5691851.421	21U	227.044	Outcrop	Peridotite- Moderatly Magnetic,serpentinized , mm sized magnetite veins. Abundant olivine. White staining	YVR2210430
534940	51.369834	-	591920.372	5691555.771	21U	223.041	Outcrop	Peridotite- Moderatly Magnetic,serpentinized , mm sized magnetite veins.	YVR2210430

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534941	51.372795	55.6753888	592204.816	5691890.289	21U	212.814	Outcrop	Peridotite- Weak to Moderate Magnetic,serpentinized , mm sized magnetite veins, very abundant olivine. Calcite on fracture surface	YVR2210430
534942	51.373377	55.6743699	592274.569	5691956.292	21U	214.765	Outcrop	Peridotite- Weak to Moderate Magnetic,serpentinized , mm sized magnetite veins, very abundant olivine.	YVR2210430
534943	51.375289	-55.670908	592511.669	5692173.28	21U	216.845	Outcrop	Peridotite- Moderate to Strong Magnetic,serpentinized , mm sized magnetite veins, very abundant olivine	YVR2210430
534944	51.37577	55.6687031	592664.161	5692229.556	21U	204.945	Outcrop	Peridotite- Weak to Moderate Magnetic,serpentinized , mm sized magnetite veins, very abundant olivine.	YVR2210430
534945	51.378929	55.6652253	592899.819	5692585	21U	200.758	Outcrop	Peridotite- Weak to Moderate Magnetic,serpentinized , mm sized magnetite veins, abundant olivine.	YVR2210430
534946	51.373747	55.6629283	593070.19	5692011.91	21U	216.957	Outcrop	Peridotite- Moderate to Strong Magnetic,serpentinized , mm sized magnetite veins, very abundant olivine	YVR2210430
534947	51.373449	55.6621673	593123.761	5691979.738	21U	212.684	Outcrop	Peridotite- Weak to Moderate Magnetic,serpentinized , mm sized magnetite veins, abundant olivine.	YVR2210430
534948	51.373464	55.6585984	593372.135	5691985.948	21U	221.912	Outcrop	Peridotite- Weak to Moderate Magnetic,serpentinized , mm sized magnetite veins, abundant olivine.	YVR2210430

Stream sediment sampling proved the useful potential for exploration on the St. Anthony Property. Localized stream sediment values of >1,000 ppm Ni were highlighted on the Property with likely being sourced from areas of anomalous Ni-in-rock (Figure 11). Stream sediment locations are highlighted in Table 6.

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Table 6 – 2022 Stream Sample Locations

Sample ID	Easting (NAD27)	Northing (NAD27)	Latitude	Longitude	Zone	Elevation	Sample Certificate
535401	595712.302	5691981.721	51.37304	-55.62499	21U	76.036	YVR2210437
535402	595881.434	5691914.482	51.3724	-55.62258	21U	55.34	YVR2210437
535403	596030.218	5692125.639	51.37428	-55.62038	21U	65.604	YVR2210437
535404	595421.624	5691222.05	51.36626	-55.62937	21U	88.007	YVR2210437
535405	596203.967	5692374.65	51.37649	-55.61782	21U	34.43	YVR2210437
535406	593954.199	5693723.222	51.38899	-55.64978	21U	102.18	YVR2210437
535407	593729.636	5688449.477	51.34161	-55.6544	21U	88.145	YVR2210437



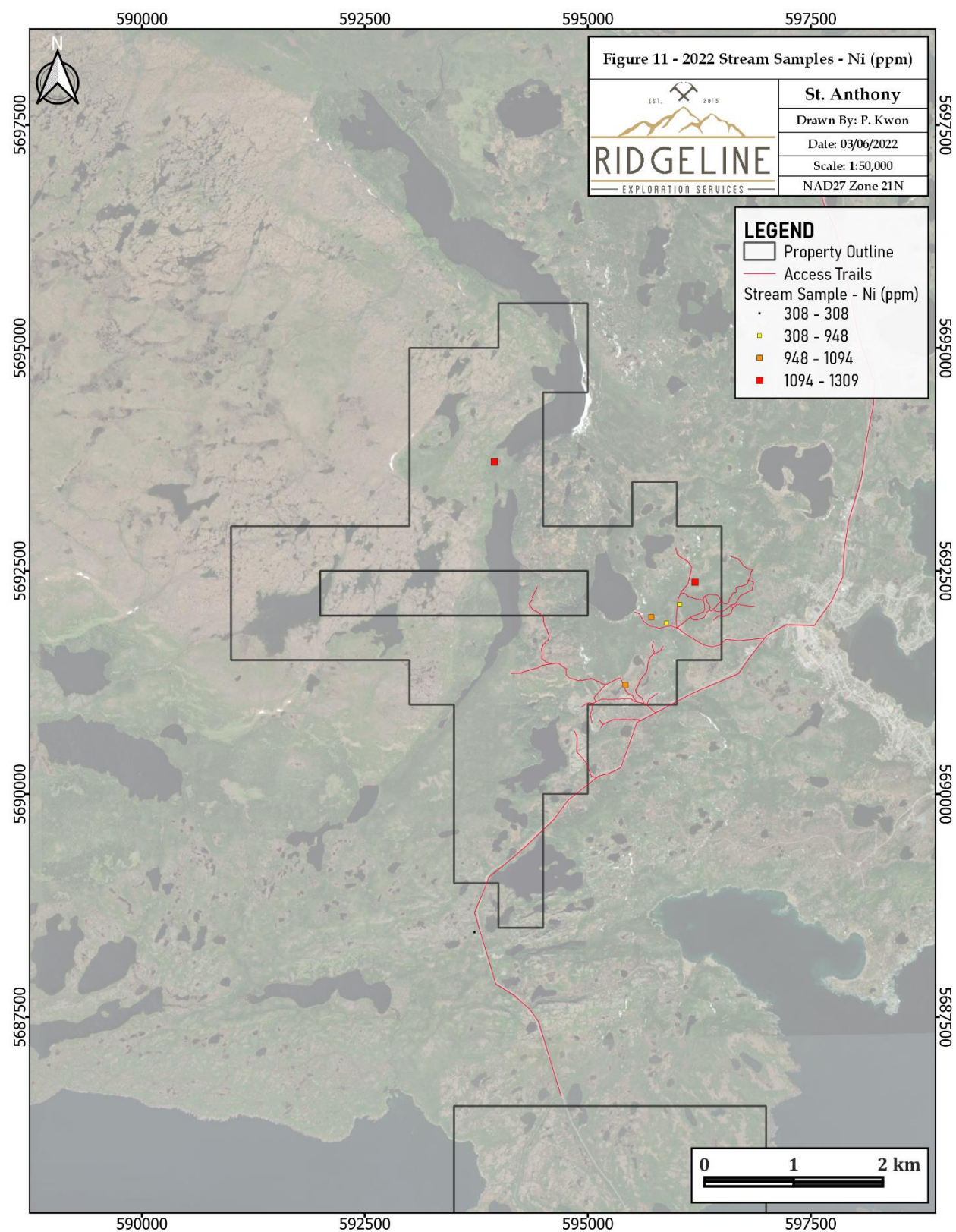


Figure 11 – 2022 Stream Samples – Ni (ppm)

Soil sampling proved difficult in the 2022 program due to the thickness of the snow cover and was focused on the eastern portion of the Property. Due to the nature of the terrain, soil sampling is not recommended for future exploration on the Property. Minor anomalous zones were noted in the 2022 program of >800 ppm Ni (Figure 12). Soil sample locations are in Table 7.

Table 7 – 2022 Soil Sample Locations

Sample ID	Easting (NAD27)	Northing (NAD27)	Latitude	Longitude	Zone	Elevation	Sample Certificate
534801	596187.006	5691882.302	51.372063	-	21U	72.994	YVR2210436
534802	595946.13	5691873.092	51.372021	-	21U	67.62	YVR2210436
534803	595575.685	5691863.467	51.371997	-	21U	104.56	YVR2210436
534804	595393.848	5691861.953	51.372014	-	21U	118.313	YVR2210436
534805	595215.87	5691873.756	51.37215	-	21U	124.434	YVR2210436
534806	595985.678	5691258.886	51.366493	-	21U	67.759	YVR2210436
534807	595775.8	5691262.394	51.36656	-	21U	97.422	YVR2210436
534808	595582.594	5691275.568	51.366711	-	21U	-39.301	YVR2210436
534809	595389.201	5691280.179	51.366785	-	21U	141.789	YVR2210436
534810	595179.959	5691260.919	51.366647	-	21U	201.562	YVR2210436
534811	594998.911	5691249.535	51.366575	-	21U	196.206	YVR2210436
534812	594784.944	5691282.153	51.366904	-	21U	216.659	YVR2210436
534813	596177.679	5692055.665	51.373623	-	21U	50.498	YVR2210436
534814	596189.089	5692284.662			21U		YVR2210436
534815	596205.697	5692666.696	51.379111	-	21U	34.887	YVR2210436
534816	596008.399	5692456.176	51.377252	-	21U	32.741	YVR2210436
534817	595984.323	5692289.081	51.375754	-55.621	21U	6.186	YVR2210436
534818	595974.28	5692082.87	51.373902	-55.6212	21U	-31.379	YVR2210436
534819	594624.621	5690863.02	51.363163	-	21U	98.803	YVR2210436
534820	594482.196	5691014.005	51.364544	-	21U	132.197	YVR2210436
534821	594295.227	5690602.846	51.360879	-	21U	128.652	YVR2210436
534822	594139.739	5690231.542	51.357567	-	21U	117.016	YVR2210436
534851	596384.196	5691705.143	51.370437	-	21U	39.04	YVR2210436

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534852	596169.58	5691687.632	51.370316	-	55.618502	21U	39.152	YVR2210436
534853	595982.956	5691673.659	51.370222	-	55.621186	21U	77.407	YVR2210436
534854	595787.891	5691675.332	51.37027	-	55.623987	21U	101.789	YVR2210436
534855	595589.395	5691678.06	51.370328	-	55.626836	21U	90.368	YVR2210436
534856	595384.395	5691671.218	51.370301	-	55.629782	21U	129.939	YVR2210436
534857	595981.556	5691477.957	51.368463	-	55.621259	21U	65.445	YVR2210436
534858	595777.404	5691484.798	51.368559	-	55.624189	21U	84.648	YVR2210436
534859	595385.951	5691480.021	51.368582	-	55.629811	21U	111.194	YVR2210436
534860	595187.02	5691475.86	51.368578	-	55.632669	21U	147.752	YVR2210436
534861	594985.095	5691475.433	51.368608	-	55.635569	21U	175.884	YVR2210436
534862	594795.384	5691443.537	51.368353	-	55.638302	21U	194.433	YVR2210436
534863	595977.017	5691082.626	51.36491	-	55.62143	21U	90.741	YVR2210436
534864	595782.029	5691075.29	51.364877	-	55.624232	21U	134.828	YVR2210436
534865	595544.993	5691078.409	51.364945	-	55.627635	21U	134.782	YVR2210436
534866	595336.005	5691063.82	51.364849	-	55.63064	21U	151.838	YVR2210436
534867	595195.554	5691074.546	51.364969	-	55.632654	21U	159.126	YVR2210436
534868	596390.634	5692064.469	51.373666	-	55.615225	21U	69.122	YVR2210436
534869	596396.53	5692282.951	51.375629	-	55.615081	21U	93.512	YVR2210436
534870	596388.274	5692469.239	51.377305	-	55.615149	21U	103.729	YVR2210436
534871	596382.685	5692669.149	51.379103	-	55.615175	21U	105.353	YVR2210436
534872	596379.212	5692874.995	51.380954	-	55.615169	21U	110.27	YVR2210436
534873	594414.884	5690941.008	51.363899	-	55.6439	21U	162.027	YVR2210436
534874	594280.903	5690797.587	51.362632	-	55.645862	21U	171.339	YVR2210436
534875	594331.77	5690705.641	51.361797	-	55.645156	21U	154.292	YVR2210436
534876	594363.397	5690509.328	51.360027	-	55.644754	21U	150.719	YVR2210436
534877	594102.001	5690204.482	51.35733	-	55.648587	21U	156.261	YVR2210436



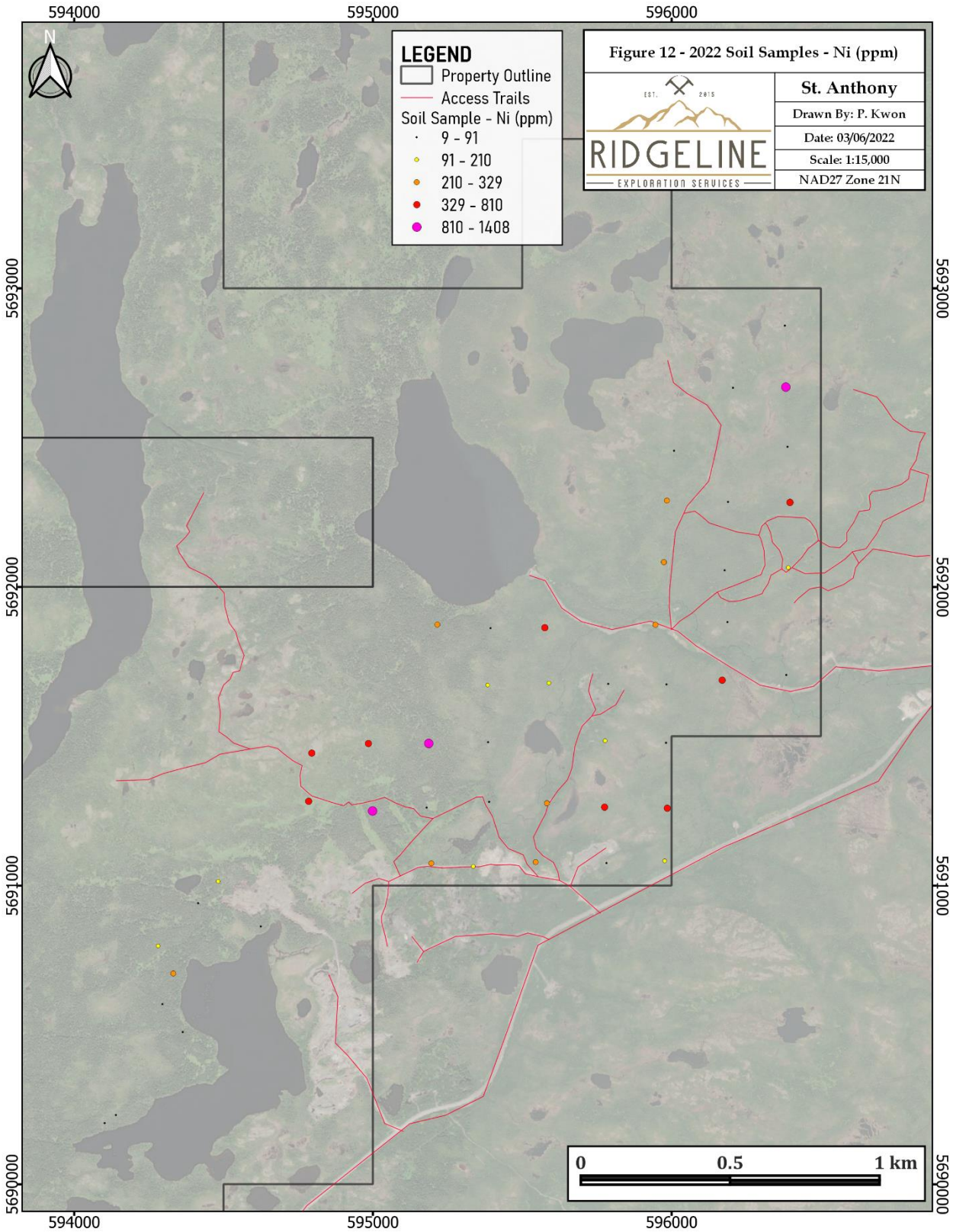


Figure 12 – 2022 Soil Samples – Ni (ppm)

## 9.5 2022 High Resolution PhotoSat Survey

In May 2022 PhotoSat was contracted to produce a high resolution topographic survey and orthophoto over the St. Anthony Property as part of the Phase II exploration program (Appendix A). A 17km<sup>2</sup> satellite survey and 50km<sup>2</sup> orthophoto was produced. PhotoSat produced a high resolution orthophoto to guide future exploration in the field (Figure 13). PhotoSat high resolution satellite surveys produced 1m, 5m, 10m, and 50m contours over the Property, which are able to highlight potential outcrop and lineaments to help guide further exploration (Figure 14, 15, 16, 17).

Throughout the Property the PhotoSat survey contours highlight likely “bullseye” outcrop contours for further follow-up. In addition, the topographic contours show strong NE trends suggesting potential structure. Overlaying topographic contours with potential future geophysics programs may be able to highlight subtle anomalies for future follow-up.



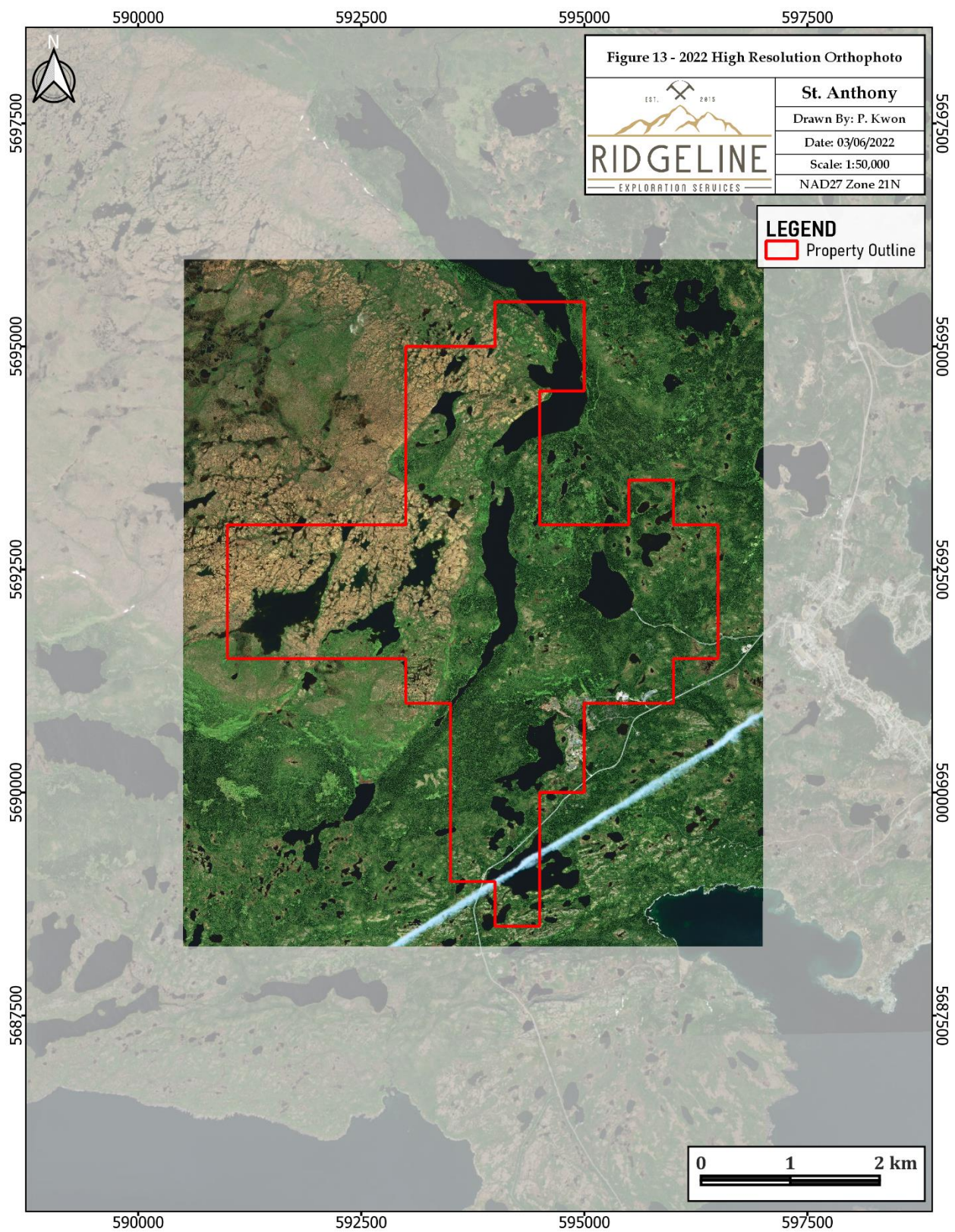


Figure 13 – 2022 High Resolution Orthophoto



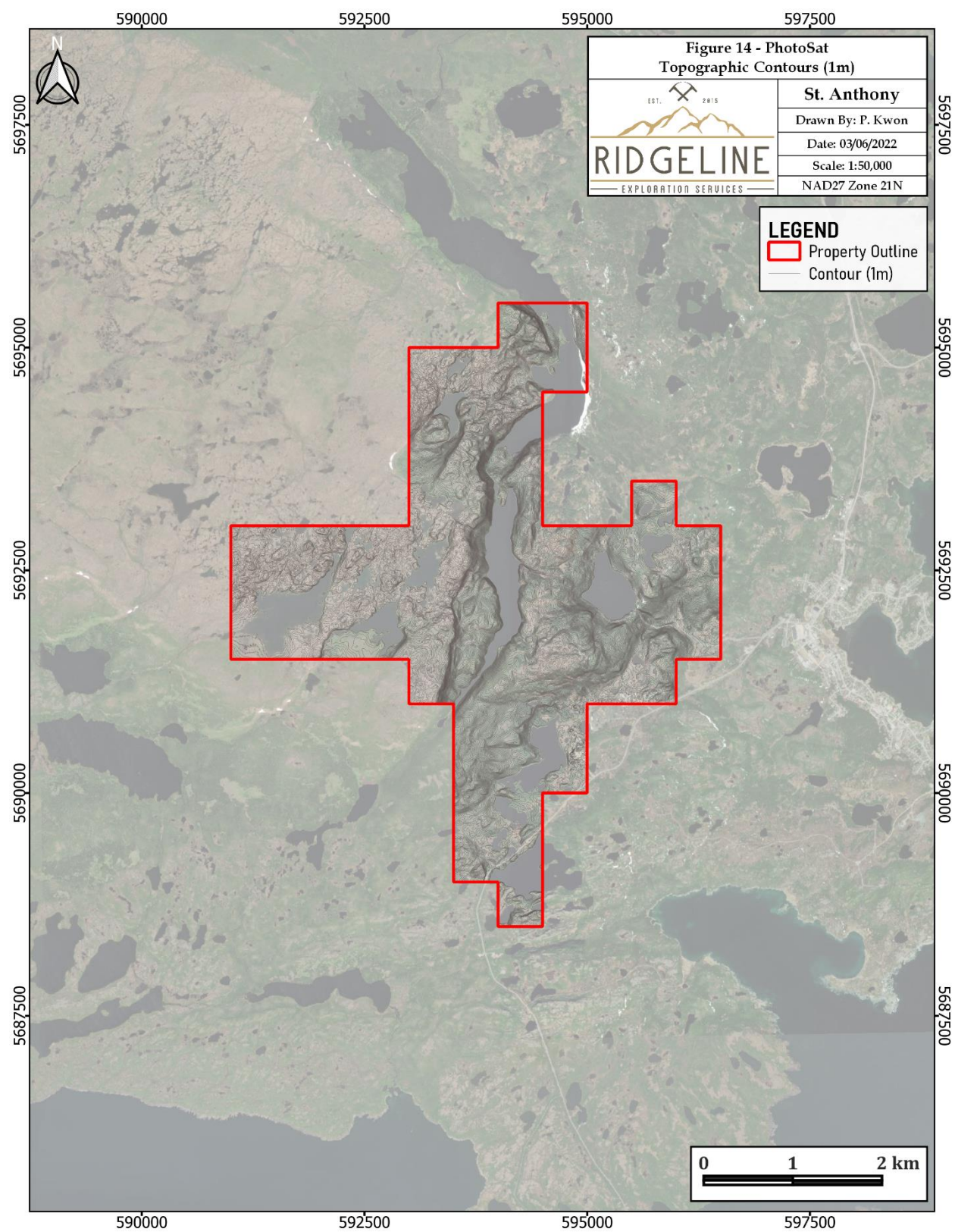


Figure 14 – PhotoSat Topographic Contours (1m)



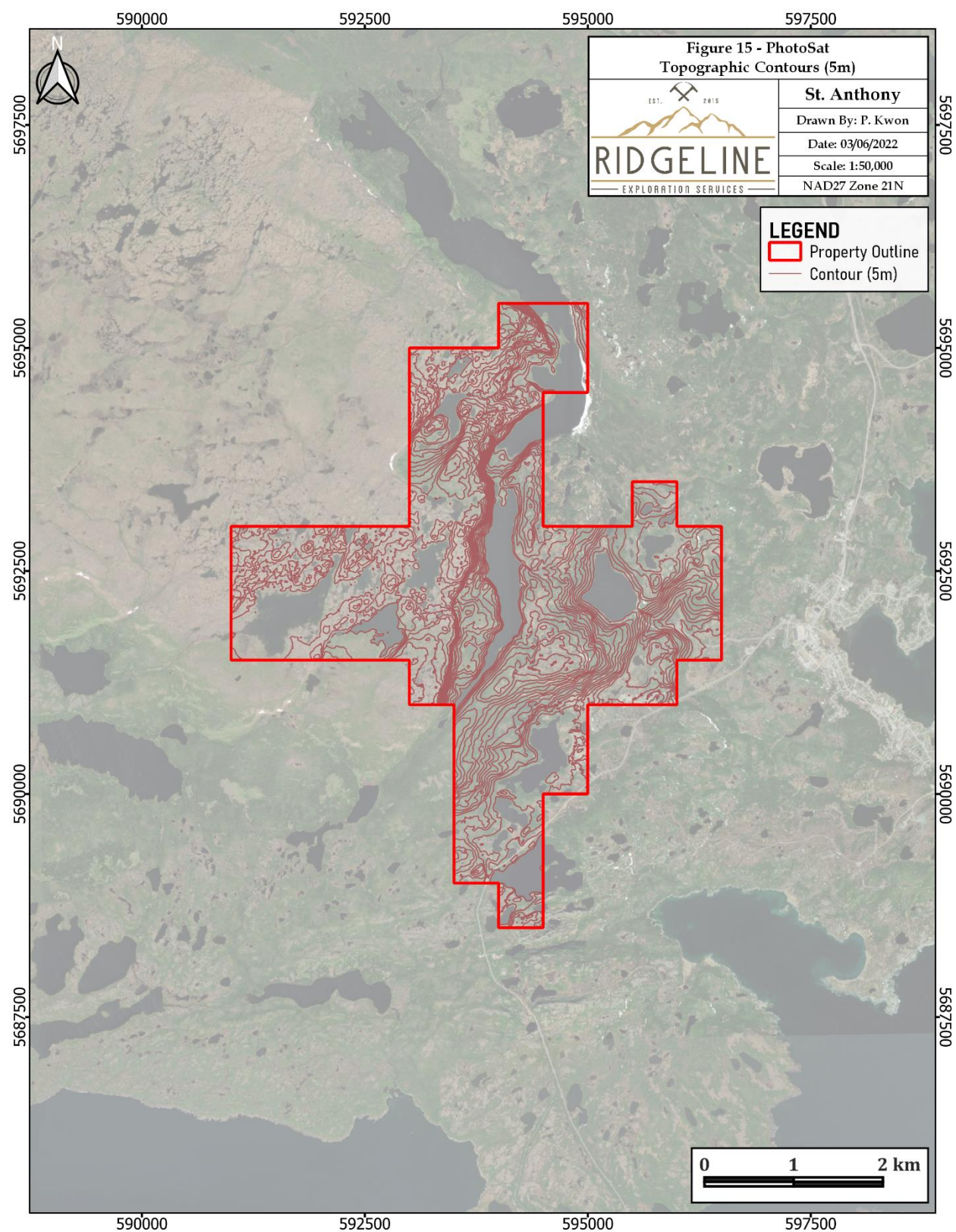


Figure 15 – PhotoSat Topographic Contours (5m)



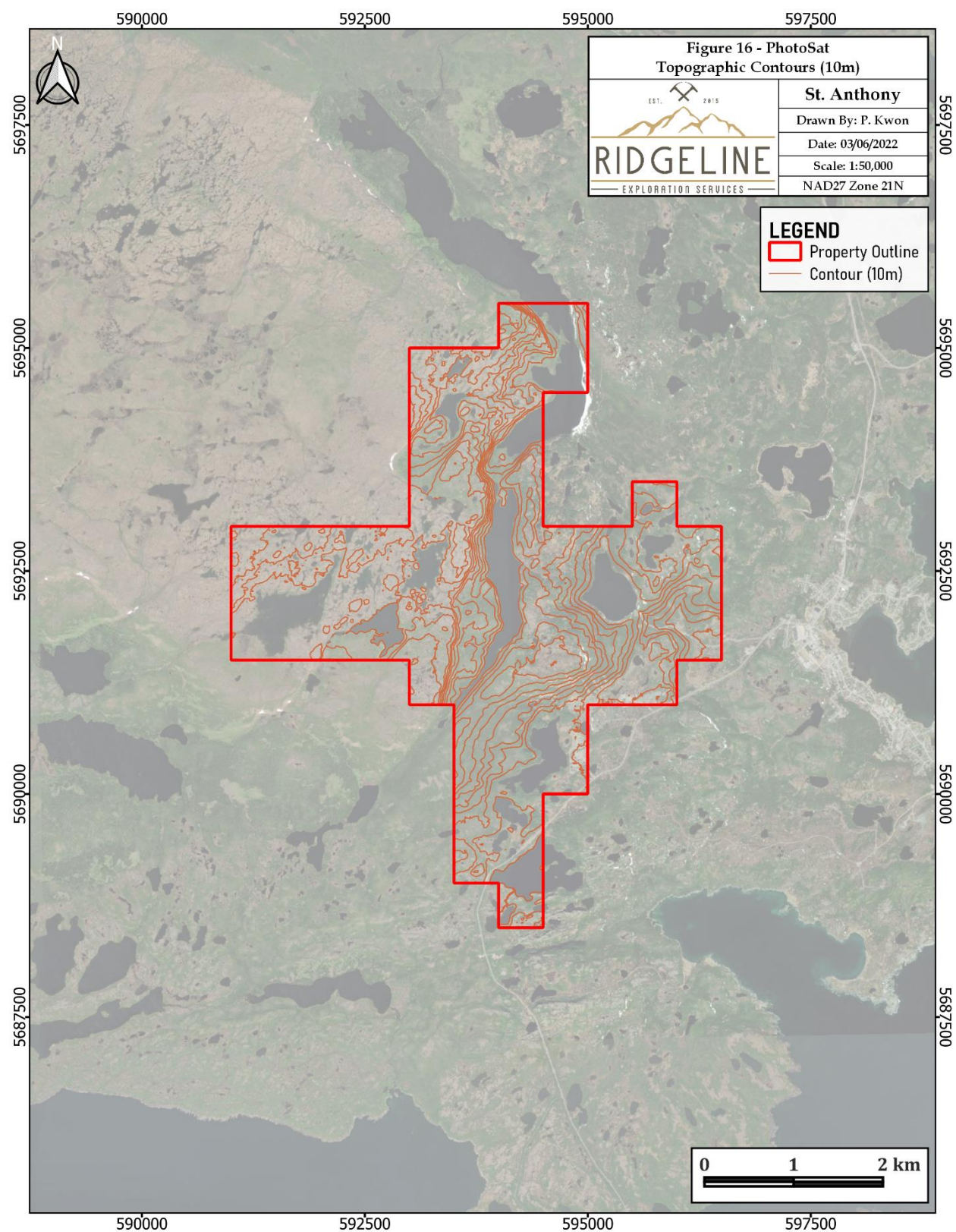


Figure 16 – PhotoSat Topographic Contours (10m)



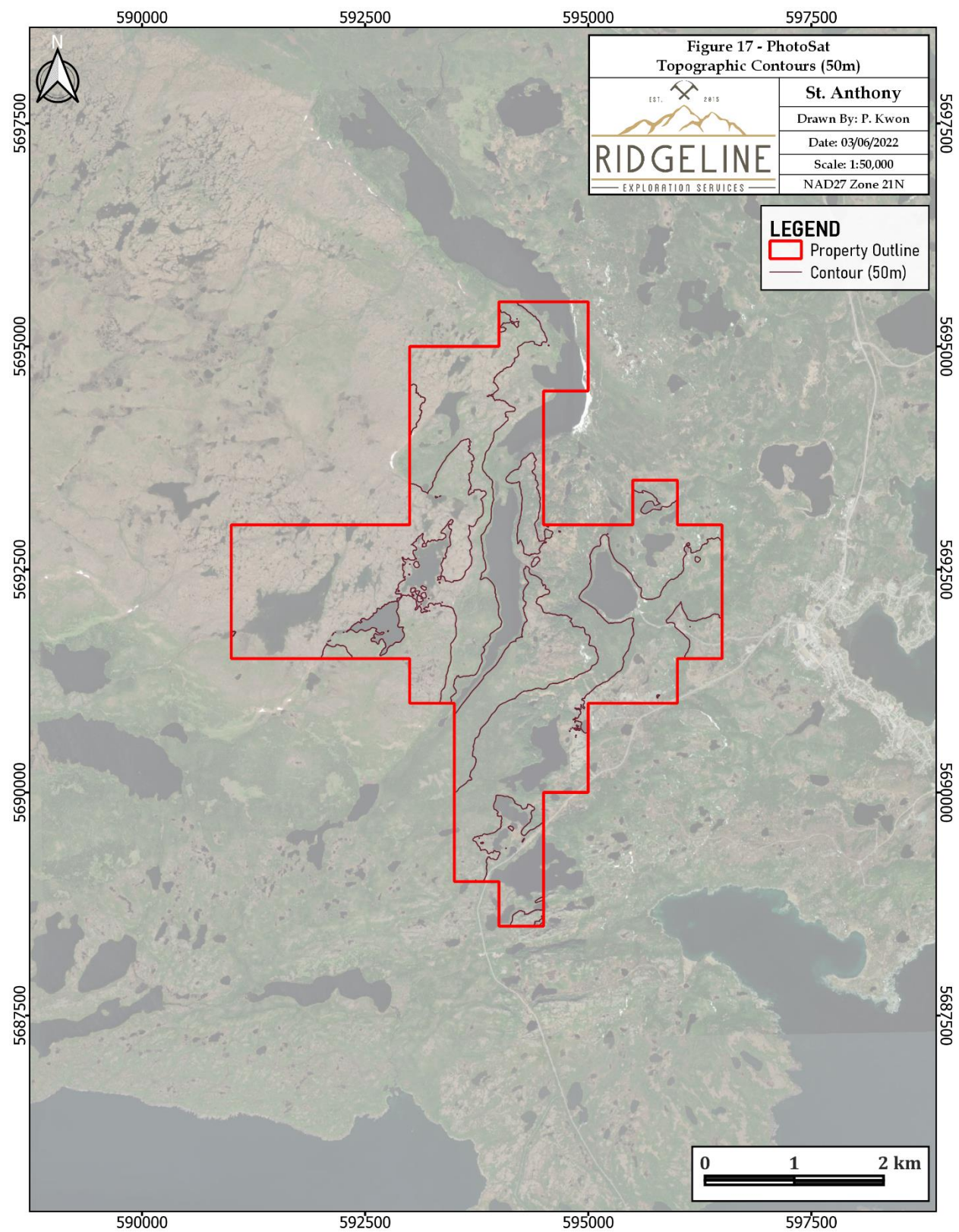


Figure 17 – PhotoSat Topographic Contours (50m)



## 10.0 Drilling

There has been no known drilling on the St. Anthony Property.

## 11.0 Sample Preparation, Analyses and Security

For the October 2020 and February-March 2022 field program, the rock samples were placed in standard polybags and locations marked in the field with labelled pink flagging tape by Ridgeline Exploration Services Inc. personnel. Sample notes for each sample were recorded using field-ready smartphone and GPS locations were recorded using handheld Garmin devices. At the end of the field day, rock samples were brought back to town. They were opened and photographed then replaced and put in sequence and placed seven to eight in a labeled rice bag. The bag was then zip strapped and stored in the project manager's motel room. The samples remained in the Managers custody until transported by company vehicle to Eastern Analytical's Springdale, Newfoundland preparation facility (2020) and shipped via Day and Ross to MS Analytical's Langely, British Columbia preparation facility (2022). Both Eastern Analytical and MS Analytical are independent of the licence owners and the Issuer.

For the 2020 rock samples all were assayed using Au + ICP-34 analyses using the ISO Accredited Procedures under License # ISO 17025 issued to Eastern Analytical. Signed assay certificates, usually requiring 2 – 5 weeks for completion after receipt of samples.

For the 2022 rock samples all were assayed using ICP-130 analyses using the ISO Accredited Procedures under License # ISO 17025 issued to MS Analytical. The Samples were crushed to 70% passing 2mm, then a representative split is taken and pulverized to 85% passing 75 microns. The ICP-130 analyses uses a true 3:1 mixture of hydrochloric and nitric acids and dilute mixtures (equal portion) of hydrochloric, nitric, and deionized water.

For the 2022 soil and rock samples all were assayed using IMS-130 & IMS-131 analyses using the ISO Accredited Procedures under License # ISO 17025 issued to MS Analytical. All stream and soil samples were dried and screened to an 80 mesh. Ultra trace level aqua regia IMS-130 (0.5g) & IMS-131 (20g) were used.

Ridgeline Exploration implemented a QAQC program for 2022 rock sampling with standard reference material, blanks, and pulp duplicates. Standard used for the 2022 program is from CDN Laboratories code CDN-ME-1402 & CDN-ME-1403. Garden material granite was used for blank material purchased from a local hardware store. An empty bag with sample tag for Pulp Duplicates with special instructions.

*Table 8 – 2022 QAQC Rock Samples*

Sample ID	Sample Type	Standard/Duplicate	Sample Certificate
534720A	Blank		YVR2210430
534740A	Standard	CDN-ME-1403	YVR2210430
534760A	Pulp Duplicate	534761	YVR2210430
534780A	Blank		YVR2210430
534800A	Standard	CDN-ME-1402	YVR2210430
534920A	Pulp Duplicate	534921	YVR2210430
534940A	Blank		YVR2210430

For the 2022 soil program duplicate samples were used for QAQC.

*Table 9 – 2022 QAQC Soil Samples*

Sample ID	Duplicate of	Sample Certificate
534808A	534808	YVR2210436
534818A	534818	YVR2210436
534857A	534857	YVR2210436
534869A	534869	YVR2210436

In the author's professional opinion, the methods employed by Ridgeline with regards to sample preparation, security and its scrutiny of the analytical procedures performed are consistent with current industry best practices and are acceptable for the level of exploration undertaken.

## 12.0 Data Verification

The author verified mineral title ownership through checking the data on MinLap website on June 5, 2022. The author verified historical information by comparing historical reports on the GeoFiles Online system (gis.geoserv.gov.nl.ca) between February 22, 2022, June 9, 2022. The author verified the 2020 and 2022 geochemical data presented in this report by randomly comparing plotted assay data to the assay value on the Certificate of Analysis and through communications with Ridgeline concerning exploration techniques. The Author reviewed the QA/QC results supplied by MS Analytical and found the results acceptable.

It is the author's professional opinion that the data presented in this report is adequate for the purposes of this report given the stage of exploration the Property is currently at.

### 12.1 QP Site Visit

The author visited St. Anthony Property on February 22 & 23, 2022, where he personally visited three sample sites of rock and soil sampling being conducted by Ridgeline. During the property visit, sample sites were viewed, and their location checked with a handheld GPS. The author inspected rock samples collected by Ridgeline in the field and back at the hotel rooms in St. Anthony. The author verified photographs of rock samples taken in the field to the actual rocks back at the hotel room and descriptions given in the report. The author did not collect independent samples during his personal inspection due to severe winter conditions.

## 13.0 Mineral Processing and Metallurgical Testing

There has been no mineral processing or metallurgical testing on the Property.

## 14.0 Mineral Resource Estimates

There have been no resource or reserve estimates determined on the Property.

## ITEMS 15 TO 22 – NOT APPLICABLE

Items 15 through 22 are not addressed in this report because the Property is an early-stage exploration property.

### 23.0 Adjacent Properties

There are no significant mineral deposits adjacent to the Property.

### 24.0 Other Relevant Data and Information

The author is not aware of any other relevant information not included in this report.

### 25.0 Interpretation and Conclusions

The St. Anthony Property has had limited historic exploration outside of Newfoundland Geological Survey Lake sediment sampling and minor stream sediment sampling in 2012. The current work program is focused on identifying the potential source of high tenor Ni-in-lake sediment samples on the Property. Ridgeline Exploration Services Inc. conducted multiple prospecting and geochemical sampling programs in the 2020 and 2022 programs. PhotoSat conducted a high-resolution topographic survey in May 2022, which will be able to aid further field programs and desktop interpretations.

Numerous anomalous zones in rock sampling occur throughout the western portion of the Property. Mineralization is primarily related to strongly magnetic, serpentized, ultramafic peridotites with mm size magnetite veins and trace sulphides. Anomalous >1,800 ppm Ni-in-rock values over a broad area may suggest the potential of a larger mineralized system at depth.

Based on a thorough review of the data, it is the author's professional opinion that the St. Anthony Property is a property of merit. The exploration results to date warrant further exploration of the Star Property to test for continuation of the mineralization identified to date.

The author is not aware of any significant risks or uncertainties that could reasonably be expected to affect the reliability or confidence in the exploration information.

### 26.0 Recommendations

In order to advance the St. Anthony Property additional work is recommended to properly assess the economic potential of the Property. Exploration should be continued to focus on the western portion of the Property with the broad Ni-in-rock anomaly.

A Phase I exploration program should be focused in two parts on understanding the lithology and mineralization of the Property and performing an airborne VLF-EM survey over the Property. The first portion of Phase II will consist of performing a detailed mapping and identification of sulphide mineralization in the western portion of the Property is required in order to fully understand the potential of the St. Anthony Property. The western portion of the property lacks major vegetation making it potentially more conducive to "boot and hammer" exploration. Second portion of Phase I will be a VLF-EM survey, which will be used to highlight any anomalies within the geological parameters. The total estimated cost of Phase I including performing detailed mapping and an airborne VLF-EM survey would be \$230,750 (Table 10). Permitting is required before any commencement prospecting or airborne

geophysical program. A permit for prospecting and a separate permit for the airborne VLF-EM survey would be required from the Government of the Province of Newfoundland.

Depending on the success of the Phase I program, a Phase II diamond drilling program should be completed to test anomalies at depth. Core drilling will allow exploration for potential nickel mineralization at depth. Four pad locations should be prepared to test the top tier anomalies and a two-hole fan of 45 and 75 degrees of 100m per hole (total 8 holes) to test the structural orientation and potential mineralization at depth. Drilling on the western side of the Property would likely need to be helicopter supported. The anticipated budget will be \$320,000 (Table 11). Permitting is required before any commencement of drilling.

Table 10: Recommended Phase I Exploration Budget

Table 10 Recommended Phase I Exploration Budget	Price
<i>Prospecting/Mapping (20 day program)</i>	
40-man days @ \$1,000/day	\$40,000
Consumable and analytical costs	\$25,000
<i>Airborne Geophysical Survey</i>	
181 line-km @ \$750/line-km	\$135,750
Consumables and processing costs	\$30,000
<b>Total Budget</b>	<b>\$230,750</b>

Table 11: Recommended Phase II Exploration Budget

Table 11 Recommended Phase II Exploration Budget  (contingent on positive results from Phase I)	Price
<i>Drilling</i>	
800m @ \$400all-in/m	\$320,000
<b>Total Budget</b>	<b>\$320,000</b>

## 27.0 References

- Adams, K., 1981a: Report on geological mapping, fibre evaluation, magnetometer survey and diamond drilling for licence 1406 on claim block 1935 in the Flatwater Pond area of the Baie Verte area, Newfoundland. Minorex Limited, Newfoundland and Labrador Geological Survey, Assessment File 12H/16/0726, 26 pages.
- Adams, K., 1981b: Geology of Brinex property in the Deer Lake prospect, Newfoundland. Minorex Limited and Brinex Limited, Newfoundland and Labrador Geological Survey, Assessment File 12H/04/0700, 31 pages.
- Adams, K., 1981c: Geology of Reid lot 37 on the Deer Lake prospect, Newfoundland. Minorex Limited and Reid Newfoundland Company Limited, Newfoundland and Labrador Geological Survey, Assessment File 12H/04/0699, 94 pages.
- Adams, K. and O'Loughlin, J., 1980: Report on geological mapping, linecutting and diamond drilling for licence 1406 on claim block 1935 in the Flatwater Pond area, Newfoundland. Minorex Limited, Newfoundland and Labrador Geological Survey, Assessment File 12H/16/0677, 17 pages.
- Al, T., 1989a: Third year assessment report on geophysical and diamond drilling exploration for licence 2970 on claim blocks 4653 and 4761-4762 in the Flat Water Pond area on the Baie Verte Peninsula, northeastern Newfoundland. Cliff Resources Corporation, Newfoundland and Labrador Geological Survey, Assessment File 12H/16/1130, 24 pages.
- Al, T., 1989b: Third year assessment report on geological and geophysical exploration for licence 2958 on claim blocks 4499 and 4652 in the Pittmans Pond area on the Baie Verte Peninsula, northeastern Newfoundland. Cliff Resources Corporation, Newfoundland and Labrador Geological Survey, Assessment File 12H/1128, 20 pages.
- Al, T.A., 1990: First year assessment report on geochemical exploration for licence 3929 on claim block 2093 in the Pynns Brook area, western Newfoundland. Gingrich Exploration and Mining Incorporated, Newfoundland and Labrador Geological Survey, Assessment File 12H/04/1211, 18 pages.

Batterson, M.J. and Taylor, D.M., 2008. Ice-Flow History and Regional Till-Geochemistry



Sampling of the Southern Part of the Red Indian Lake Basin. In Current Research, Newfoundland and Labrador Department of Natural Resources, Geological Survey, Report 08-1, pages 25-34.

Batterson, M. and McGrath, B., 1993. Quaternary Geology of the Deer Lake and Pasadena Map Areas (NTS 12H/3 and 12H/4). In Current Research, Newfoundland Department of Mines and Energy, Geological Survey Branch, Report 93-1, pages 103-112.

Batterson, M.J. and Vatcher, S.V., 1992. Quaternary Geology of the Corner Brook – Pasadena Area (NTS 12A/13 and 12H/4). In Current Research, Newfoundland Department of Mines and Energy, Geological Survey Branch, Report 92-1, pages 1-12.

Batterson, M.J. and Vatcher, S., 1991. Quaternary Geology of the Gander (NTS 2D/15) Map Area. In Current Research, Newfoundland Department of Mines and Energy, Geological Survey Branch, Report 91-1, pages 1-12.

Batterson, M.J. and Taylor, D.M., 1990. Glacial History of the Humber River Basin. In Current Research, Newfoundland Department of Mines and Energy, Geological Survey Branch, Report 90-1, pages 1-6.

Blackwood, R.F., 1981: West Gander Rivers (east half) and Dead Wolf Pond (northwest portion). Map 81-100. Scale: 1:50 000. Government of Newfoundland and Labrador, Department of Mines and Energy, Mineral Development Division. GS# 002D/0128.

Blackwood, R.F., 1982a: Gander River, Newfoundland. Map 80-031. Scale: 1:50 000. In Geology of the Gander Lake (2D/15) and Gander River (2E/2) area. Government of Newfoundland and Labrador, Department of Mines and Energy, Mineral Development Division, Report 82-04, GF:NFLD/1312a

Blackwood, R.F., 1982b: Gander (Mount Peyton E.), Newfoundland. Map 80-198. Scale: 1:50 000. In Geology of the Gander Lake (2D/15) and Gander River (2E/2) area. Government of Newfoundland and Labrador, Department of Mines and Energy, Mineral Development Division, Report 82-04, 63 pages, enclosures (2 maps, cross-section). GS# NFLD/1312b.

Blackwood, R.F. and Green, L., 1983: Great Gull Lake, Fortune Bay District, Newfoundland. Government of Newfoundland and Labrador, Department of Mines and Energy, Mineral

Development Division, Map 82-071.

Blewett, K., 1978: Diamond drilling report for the Great Burnt Lake area, Newfoundland. Rio Tinto Canadian Exploration Limited, Newfoundland and Labrador Geological Survey, Assessment File 12A/0228, 66 pages.

Bloemraad, J., 1978a: Report on the 1978 drilling programme for the chromite project on the Springers Hill area, western Newfoundland. Beth-Canada Mining Company, Newfoundland and Labrador Geological Survey, Assessment File 12B/15/0230, 116 pages.

Bloemraad, J., 1978b: Report on the geology and rock geochemistry of claims 012136-012137, licence 12018 on Springer Hill 2 area in western Newfoundland. Beth-Canada Mining Company, Newfoundland and Labrador Geological Survey, Assessment File 12B/16/0224, 25 pages.

Bloemraad, J. and Scribbins, B.T., 1978: Report on geophysical and geological surveys on claims 11065-11088 in the Springers Hill area, Newfoundland. Beth-Canada Mining Company, Newfoundland and Labrador Geological Survey, Assessment File 12B/15/0221, 79 pages.

Botto R.I., and Morrison, G.H., 1976. Josephinite; a unique nickel-iron. American Journal of Science 276, pp.241-274

Bucknell, W.R., McCance, J.A. and McKenzie, C.B., 1976: Report of geological, geophysical and diamond drilling surveys on the Cold Spring Pond claim in the Great Burnt Lake area, Newfoundland. Rio Tinto Canadian Exploration Limited and Consolidated Morrison Explorations Limited, Newfoundland and Labrador Geological Survey, Assessment File 12A/01/0187, 46 pages.

Butler, R., Jr. and Whelan, B.L., 1996: First year assessment report on geological, geochemical and diamond drilling exploration for licence 4665 on claims 17384 and 17416-17417 in the Rope Cove Canyon, St Lewis hills area, western Newfoundland, 2 reports. Brooks Resources Limited, Newfoundland and Labrador Geological Survey, Assessment File 12B/16/0401, 33 pages.

Bouzane, J., 2003: Second year assessment report on prospecting and geochemical exploration for licence 7929M on claims in the Muddy Gullies area, near Weirs Pond, northeastern

Newfoundland. Bouzane, J, Newfoundland and Labrador Geological Survey, Assessment File 2E/01/1255

Carswell, H.T., 1957: Report on the geology of the Bay of Islands area, Newfoundland. British Newfoundland Exploration Limited, Newfoundland and Labrador Geological Survey, Assessment File NFLD/0617, 24 pages.

Casey, J.F., Elthon, D.L., Siroky, F.X., Karson, J.A., and Sullivan, J., 1985. Geochemical and geological evidence bearing on the origin of the Bay of Islands and Coastal Complex ophiolites of western Newfoundland. *Tectonophysics*, v.116, pp.1-40.

Chance, P.N., 1979: Geological reconnaissance of a portion of Nalco lot 2 in the Middle Ridge Pond area, central Newfoundland. Hudsons Bay Oil and Gas Company Limited and Newfoundland and Labrador Corporation Limited, Newfoundland and Labrador Geological Survey, Assessment File 2D/0107, 47 pages.

Chance, P., 1988: Assessment report on prospecting and geochemical exploration for licence 3132 on claim block 5157, licence 3133 on claim block 5158, licence 3134 on claim block 5322, licence 3190 on claim blocks 5461 and 5465, licence 3191 on claim blocks 5466-5467 and licence 3213 on claim block 5504 in the Hunts Ponds, Gander Lake and Southwest Gander River areas, Newfoundland. Lacana Mining Corporation, Newfoundland and Labrador Geological Survey, Assessment File 2D/0190

Chance, P. and Muirhead, A.J., 1988: First year assessment report on geological and geochemical exploration for licence 3117 on claim block 5154, licence 3118 on claim block 5155, licence 3138 on claim block 5324 and licence 3287 on claim block 5589 in the Middle Ridge and Terra Nova River areas, east-central Newfoundland. Lacana Ex [1981] Incorporated, Newfoundland and Labrador Geological Survey, Assessment File 2D/06/0184, 48 pages.

Clarke, E.J., 1990: First year assessment report on geological and geochemical exploration for licence 3816 on claim blocks 6250-6256 in the Pipestone Pond area, central Newfoundland. Teck Explorations Limited, Newfoundland and Labrador Geological Survey, Assessment File 12A/08/0579, 105 pages.

Colman-Sadd, S. P., 1985: Burnt Hill, Newfoundland [2D/5]. Government of Newfoundland and Labrador, Department of Mines and Energy, Mineral Development Division, Map 85-01.

Colman-Sadd, S. P. and Gibbons, R.V., 1985: Geology of the Burnt Hill map area [2D/5], Newfoundland. Government of Newfoundland and Labrador, Department of Mines and Energy, Mineral Development Division, Report 85-03, 109 pages.

Colman-Sadd, S.P., and Swinden, H.S., 1984a. A tectonic window in central Newfoundland? Geological evidence that the Appalachian Dunnage Zone is allochthonous. Canadian Journal of Earth Sciences, v. 21, pp.1349-1367.

Colman-Sadd, S.P. and Swinden, H.S., 1984b: Great Burnt Lake, Newfoundland. Government of Newfoundland and Labrador, Department of Mines and Energy, Mineral Development Division, Open File 12A/08/0412, [Map 84-066].

Colman-Sadd, S.P. and Swinden, H.S., 1989: Cold Spring Pond, Hermitage District, Newfoundland. Government of Newfoundland and Labrador, Department of Mines and Energy, Geological Survey Branch, Open File 12A/01/0531, [Map 89-107].

Colman-Sadd, S.P. and Russell, H.A.J., 1988: Miguels Lake, Newfoundland. Government of Newfoundland and Labrador, Department of Mines and Energy, Mineral Development Division, Open File 2D/12/0197, [Map 88-050].

Conn, H. K., 1960: Progress report on Birchy Lake subconcession Newfoundland. Brinex Limited and Canadian Johns-Manville Company Limited, Newfoundland and Labrador Geological Survey, Assessment File 12H/0287, 15 pages.

Cook, L.A. and Kilfoil, G., 2009: Aeromagnetic survey - Indian Head area, Newfoundland (parts of NTS map areas 12B/07, 12B/08, 12B/08, 12B/10, 12B/15, 12B/16). Newfoundland and Labrador Geological Survey, Open File 12B/0581.

Cooper, G.E. 1955: Magnesite occurrences in central Newfoundland. Newfoundland and Labrador Geological Survey, Internal Report, Miscellaneous, [NFLD/0101].

Currie, K.L., 1995: Geology, Carmanville, Newfoundland. Geological Survey of Canada, Open File 3147.

Currie, K.L., 1997: Geology, Gander River-Gander Bay region, Newfoundland. Geological Survey of Canada, Open File 3467.

Currie, K.L. and Williams, H., 1995: Geology, Gander River, Newfoundland. Geological Survey of Canada, Open File 3162

Dean, P.L., 1978: Report on geological reconnaissance of the New Bay Pond, Gander Lake south and Kaegudeck Lake areas in the Nalco lot 2 area, Newfoundland. Hudsons Bay Oil and Gas Company Limited and Newfoundland and Labrador Corporation Limited, Newfoundland and Labrador Geological Survey, Assessment File NFLD/1061.

Dahl, R. and Watkinson, D.H., 1987: Structural control of podiform chromitite in Bay of Islands Ophiolite, Springer Hill area, Newfoundland. In Current research, Edited by R. F. Blackwood, D. G. Walsh and R. V. Gibbons, Government of Newfoundland and Labrador, Department of Mines and Energy, Mineral Development Division, Report 87-01, pages 385.

Dickson, W.L., 2000: Geology of the Mount Sylvester map area, south-central Newfoundland. Newfoundland and Labrador Geological Survey, Open File 2D/03/0349, [Map 2000-07].

Dimmell, P.M. and Jobin-Bevans, S., 2001: First year assessment report on prospecting and geochemical exploration for licences 7294M-7296M and 7298M on claims in the Bay of Islands-Lewis Hills area, western Newfoundland. Pacific North West Capital Corporation, Newfoundland and Labrador Geological Survey, Assessment File NFLD/2794, 95 pages.

Dimmell, P.M. and Scott, W.J., 1990: Second year assessment report on prospecting and geophysical exploration for licence 3452 on claim block 15859 in the Springers Hill area, western Newfoundland, 2 reports. Canchrome Mines Incorporated and Corona Corporation, Newfoundland and Labrador Geological Survey, Assessment File 12B/16/0328, 29 pages.

Dimmell, P.M., Bennett, B., Miranda, M., Harris, J. and Ellis, R.B., 2004: First year supplementary, second year and second year supplementary assessment report on geological, geochemical, geophysical and diamond drilling exploration for licences 9073M, 9080M-9082M, 9096M, 9138M-9139M, 9302M, 9308M, 9344M-9345M, 9347M-9348M and 9697M on claims in the Northwest Gander River area, central Newfoundland, 3 reports. Meridian Gold Company,



Datan Resources Incorporated and Linear Gold Corporation, Newfoundland and Labrador Geological Survey, Assessment File 2D/0574, 181 pages.

Dix, W.F., 1959: Report on the chromite deposits in the Lewis Hills area, Newfoundland. Gunnex Limited and British Newfoundland Exploration Limited, Newfoundland and Labrador Geological Survey, Assessment File 12B/16/0167, 6 pages.

Durocher, A.C., 1978: Report on asbestos prospect claims 12657-12696 including geological, geophysical and diamond drilling surveys in the Atlantic Lake area, Newfoundland. Minorex Limited, Newfoundland and Labrador Geological Survey, Assessment File 2D/12/0104, 57 pages.

Dunsworth, S.M. 1991: Geological map of the Central Lewis Hills Massif, Newfoundland. Geological Survey of Canada, Open File 2332.

Dunning, G.R., and Krogh, T.E., 1985. Geochronology of ophiolites of the Newfoundland Appalachians. Canadian Journal of Earth Sciences, v. 22, pp.1659-1670.

Dunsworth, S., 2004: Second year assessment report on geological exploration for licence 8845M on claims in the Flat Water Pond area, on the Baie Verte Peninsula, Newfoundland.

Meyer, J, Newfoundland and Labrador Geological Survey, Assessment File 12H/16/1730, 15 pages.

Edwards, S.J., 1990. Harzburgites and refractory melts in the Lewis Hills Massif, Bay of Islands Ophiolite Complex; the base-metals and precious-metals story. Canadian Mineralogist 28, pp. 537-552.

Edwards, S.J., 1991: Magmatic and fluid processes in the upper mantle: a study of the Bay of Islands ophiolite complex, Newfoundland. PhD, Memorial University of Newfoundland, St. John's, Newfoundland, Canada, 424 pages.

Escayola, M, Garuti, G., Zaccarini, F., Proenza, J., Bedard, J. and Van Staal, C. 2011: Chromite and Platinum-Group-element Mineralization at Middle Arm Brook, Central Advocate Ophiolite Complex, Baie Verte Peninsula, Newfoundland, Canada, The Canadian Mineralogist, Vol. 49, pp 1523-1547 DOI : 10.3749/canmin. 49.6.1523

## St. Anthony Property 43-101 Technical Report

Eveleigh, F.J., 1975: Report on the Flatwater Pond concession in the Baie Verte area, Newfoundland. Canadian Johns-Manville Company Limited, Newfoundland and Labrador Geological Survey, Assessment File 12H/16/0496, 33 pages.

Filippidis, A. 1985. Formation of awaruite in the system Ni-Fe-Mg-Si-O-H-S and olivine hydration with NaOH solution, an experimental study. *Economic Geology* 80, pp.1974-1980.

Fitzpatrick, D.J., 1969: Report with diamond drilling and geochemical records in the Caribou No 2 prospect in the Caribou Lake area, Newfoundland. Bison Petroleum and Minerals Limited and Newfoundland and Labrador Corporation Limited, Newfoundland and Labrador Geological Survey, Assessment File 2D/10/0085, 46 pages.

French, V.A. 1988a: First year assessment report on prospecting and geochemical exploration for licence 2882 on claim block 3070 in the Liverpool Brook area, Newfoundland. Lucero Resource Corporation and Childs, C, Newfoundland and Labrador Geological Survey, Assessment File 12G/0088, 18 pages.

French, V.A., 1988b: First year assessment report on geological and geochemical exploration for licence 3145 on claim blocks 5388-5389, 5392-5396 and 5398, licence 3146 on claim blocks 5434 and 5390, licence 3147 on claim block 5391, licence 3148 on claim blocks 5430 and 5397 and licence 3185 on claim block 5452 in the Middle Ridge, Terra Nova River and Nanedock Lake areas, Newfoundland. Lucero Resource Corporation, Newfoundland and Labrador Geological Survey, Assessment File 2D/06/0213, 62 pages.

French, V.A., 2002: Second year assessment report on prospecting and geochemical exploration for licence 7622M on claims in the Bruce Pond area, central Newfoundland. Gallery Resources Limited, Newfoundland and Labrador Geological Survey, Assessment File 2D/05/0439, 31 pages.

French, V.A. and Mugford, C., 2008: First year assessment report on geological and geochemical exploration for licence 13998M on claims in the Otter Pond area, south-central Newfoundland. North Range Resources Limited, Newfoundland and Labrador Geological Survey, Assessment File 12A/1363, 79 pages.

Giroux, G and Froude, T., 2010: FORM 43-101F1 Technical Report for the Mosquito Hill Zone

and the Reid Zone Resource estimates Huxter-Brady project Grand Falls Windsor - Buchans Electoral District, NTS: 2D/5, Newfoundland and Labrador.

Grady, J. C., 1953: The geology of the southern half of the Serpentine Belt in east-central Newfoundland. Unpublished report [GSB# 002D/11/0005]

Graham, D.R., 1989: First year assessment report on geological and geochemical exploration for the Great Bend project for licence 3572 on claim blocks 6403-6405 in the Bear Pond and Bear Brook areas, central Newfoundland. BP Resources Canada Limited and Murphy, L., Newfoundland and Labrador Geological Survey, Assessment File 2D/11/0216, 85 pages.

Graham, D.R., 1990a: Second, third and fifth year assessment report on prospecting, trenching, diamond drilling and geochemical exploration for the Great Bend project for licence 3270 on claim block 5457, licence 3271 on claim block 5458, licence 3272 on claim block 5460, licence 3563 on claim block 4113, licence 3836 on claim blocks 4112 and 4396 and licence 4023 on claim blocks 6403-6404 in the Northwest Gander River area, central Newfoundland. BP Resources Canada Limited and Murphy, L., Newfoundland and Labrador Geological Survey, Assessment File 2D/11/0232, 188 pages.

Graham, D.R., 1990b: Second year assessment report on geological, geochemical and trenching exploration for licence 4060 on claim block 3819 and licence 4061 on claim block 4012 in the Great Rattling Brook and Miguels Lake areas, central Newfoundland. BP Resources Canada Limited, Newfoundland and Labrador Geological Survey, Assessment File 2D/12/0239, 176 pages.

Greene, B.J. and Rice, T., 2000: Assessment report on compilation, exploration history and exploration potential for 2000 submission for fee simple grants volume 1 folio 110, volume 2 folio 25 and special volume 2 folio 307 and for first year, first year supplementary, fourth year supplementary, fifth year and ninth year assessment for licences 4536M, 6165M-6166M, 6682M-6683M, 6687M, 6710M-6711M, 6743M and 7262M on claims in the Victoria River and Great Burnt Lake areas central, Newfoundland. Celtic Minerals Limited, Newfoundland and Labrador Geological Survey, Assessment File 12A/0956, 66 pages.

Hawkes, R.J., 1971: Report on 1970 field work in the Nalco lot 2 subconcession area,

Newfoundland. Noranda Exploration Company Limited, Newfoundland and Labrador Geological Survey, Assessment File 2D/0084, 55 pages.

Hibbard, J. and Gibbons, R.V.1983: Geology of the Baie Verte Peninsula, Newfoundland.

Government of Newfoundland and Labrador, Department of Mines and Energy, Mineral Development Division, Memoir 2, 297 pages.

Hibbard, J.P., St.-Julien, P., and Trzcienski, W.E., Jr., 1995. Humber Zone internal. In Geology of the Appalachian-Caledonian Orogen in Canada and Greenland: Ottawa. Geological Survey of Canada, Geology of Canada v. 6, pp. 114-139.

Jamieson, R.A. 1979: The St. Anthony complex, northwestern Newfoundland : a petrological study of the relationship between a peridotite sheet and its dynamothermal aureole, PHd Thesis Memorial university of Newfoundland.

Jamieson, R. A., 1981. Metamorphism during Ophiolite Emplacement – the Petrology of the St. Anthony Complex. Journal of Petrology, v.22, pp. 397-449.

Keats, K., 2005: First year assessment report on prospecting, compilation, airphoto interpretation and geochemical exploration for licence 9892M on claims in the Lloyd's River area, central Newfoundland. Keats, S, Jr and ASK Prospecting and Guiding, Newfoundland and Labrador Geological Survey, Assessment File 12A/1262, 23 pages.

Keats, C. and Jobin-Bevans, L.S.2006: Second year assessment report on prospecting and geochemical exploration for licence 12175M on claims in the Lloyd's River area, central Newfoundland. Aquiline Resources Incorporated and ASK Prospecting and Guiding Incorporated, Newfoundland and Labrador Geological Survey, Assessment File 12A/1308, 57 pages.

Kilfoil, G.J. and Cook, L.A., 2009: Aeromagnetic survey - Corner Brook Newfoundland (NTS maps areas 12A/12, 12A/13, 12B/09, 12B/16, 12G/01, 12H/04, 12H/05). Government of Newfoundland and Labrador, Department of Natural Resources, Geological Survey, Open File NFLD/3058.

Kohlsmith, R., 1988a: First year assessment report on geological and geochemical exploration

for licence 2954 on claim block 4741, licence 2955 on claim block 4323 and licence 2982 on claim block 4742 in the Shoal Pond and Ragged Harbour River areas, Newfoundland. Kidd Creek Mines Limited, Newfoundland and Labrador Geological Survey, Assessment File 2E/08/0576, 41 pages.

Kohlsmith, R.L., 1988b: First year assessment report on geological and geochemical exploration for licence 2908 on claim blocks 4506-4507, licence 2909 on claim block 4327 and licence 2910 on claim blocks 4328-4329 in Caribou Lake and Dead Wolf Brook areas, Newfoundland. Kidd Creek Mines Limited, Newfoundland and Labrador Geological Survey, Assessment File 2D/0194, 62 pages.

Kohlsmith, R.L. and Gledhill, P.A., 1988: Second year assessment report on geological, geochemical, geophysical and diamond drilling exploration for licence 3327 on claims in the Caribou Lake, Southwest Gander River and Dead Wolf Brook areas, Newfoundland, 2 reports. Falconbridge Limited, Newfoundland and Labrador Geological Survey, Assessment File 2D/0195, 203 pages.

Lane, B.M., Bradley, D., Graves, R.M., Graham, D.R. and Kieley, J.W., 1990: First year assessment report on geological, geochemical and geophysical exploration for licence 3566 on claim blocks 3819-3820, 4895, 4996 and 4012-4016 and licence 3619 on claim block 15913 in the Great Rattling Brook and Miguels Lake areas, central Newfoundland, 2 reports. BP Resources Canada Limited, Newfoundland and Labrador Geological Survey, Assessment File 2D/12/0219, 148 pages.

Lassila, P., 1979: Report on geological, geophysical, geochemical and diamond drilling program for licence number 1110-1114 and 12033 in the Great Rattling Brook area, Newfoundland. Hudsons Bay Oil and Gas Company Limited, Newfoundland and Labrador Geological Survey, Assessment File NFLD/1015, 233 pages.

Laurent, R. and Kacira, N., 1987: Chromite deposits in the Appalachian ophiolites. In Evolution of chromium ore fields, Edited by C. W. Stowe and W. Walker, pages 169-193.

Leigh, O.E., Fraser, D.C., Michener, C.E., Newbury, M. and Timms, P.D., 1972: Progress, interim

and correspondence reports on prospecting, trenching, diamond drilling, geological, geochemical and geophysical exploration for Reid lot 205 and L-H project in the Bay of Islands area, western Newfoundland, 10 reports. Long Lac Mineral Exploration Limited and Reid Paper Company, Newfoundland and Labrador Geological Survey, Assessment File 12G/0084, 101 pages.

Lewis, W.J., San Martin, A.J., Gowans, R.M., Penswick, P., Lemieux, L., Primeau, P., and Hardie, C., 2010. A preliminary assessment of the Dumont property Launay and Trécesson townships, Québec, Canada. . Unpublished Report for Royal Nickel Corporation (available on SEDAR <http://www.sedar.com/>). 187p.

Lissenberg, C.J., Zagorevski, A., Rogers, N., van Staal, C.R. and Whalen, J.B., 2005: Geology, Star Lake, Newfoundland and Labrador. Geological Survey of Canada, Open File 1669. Lissenberg, C.J., Zagorevski, A., McNicoll, V.J., van Staal, C.R., and Whalen, J.B., 2005. Assembly of the Annieopsquotch Accretionary Tract, Newfoundland Appalachians: Age and Geodynamic Constraints from Syn-Kinematic Intrusions. *Journal of Geology*, v.113, pp. 553-570.

Liverman, D., Batterson, M., Bell, T., Nolan, L., Marich, A., Putt, M., 2006. Digital Elevation Models from Shuttle Radar Topography Mission Data – New Insights into the Quaternary History of Newfoundland. In *Current Research, Newfoundland and Labrador Department of Natural Resources, Geological Survey, Report 06-1*, pages 177-189.

Liverman, D. and Scott, S., 1990. Quaternary Geology of the King's Point Map Sheet (NTS 12H/9). In *Current Research, Newfoundland Department of Mines and Energy, Geological Survey Branch, Report 90-1*, pages 27-38.

Liverman, D. and Taylor, D., 1990. Surficial Geology Map of Insular Newfoundland. In *Current Research, Newfoundland Department of Mines and Energy, Geological Survey Branch, Report 90-1*, pages 39-48.

Liverman, D. and St. Croix, L., 1989. Quaternary Geology of the Baie Verte Peninsula. In *Current Research, Newfoundland Department of Mines, Geological Survey of Newfoundland, Report 89-1*, pages 237-247.



Lohman, G.H.T., 1988: First year assessment report on prospecting and geochemical exploration for licence 3049 on claim block 4862 in the Middle Ridge area, south-central Newfoundland. Exmar Resources Limited and Lundrigan, J, Newfoundland and Labrador

Geological Survey, Assessment File 2D/0183, 38 pages.

MacDougall, C., 1987: First year assessment report on geological, geochemical and trenching exploration for licence 2848 on claim blocks 3998-3999 and 4430-4435, licence 3021 on claim blocks 4805-4806 and licence 3022 on claim block 4802 in the Black Brook and Wolverine Pond areas on the Baie Verte Peninsula, Newfoundland. Muscocho Explorations Limited and Noranda Exploration Company Limited, Newfoundland and Labrador Geological Survey, Assessment File 12H/1002, 214 pages.

MacDougall, C., 1990: First year assessment report on geological, geochemical and geophysical exploration for licence 3767 on claim blocks 5181 and 6449-6450 in the Great Burnt Lake area, Newfoundland. Noranda Exploration Company Limited, Newfoundland and Labrador Geological Survey, Assessment File 12A/0574.

MacKenzie, L., 1991: Third year assessment report on geological, geochemical, geophysical, trenching and diamond drilling exploration for licence 3443 on claim block 15568 in the South Great Rattling Brook and North Great Rattling Brook areas, central Newfoundland.

Newfoundland Gold Corporation, Newfoundland and Labrador Geological Survey, Assessment File 2D/12/0261, 67 pages.

McKenzie, C.B., 1995: First year and first year supplementary assessment report on geological, geochemical and geophysical exploration for licence 4419 on claim blocks 17035-17037, licence 4429 on claim block 8280, licence 4430 on claim blocks 15723-15728, licence 4431 on claim block 15731, licence 4432 on claim block 8282 and licence 4434 on claim blocks 8284-8285 in the Micmac Lake, Fox Pond, Pittmans Pond, Voodoo Brook, and Black Lake areas, northwestern Newfoundland. Rex Resources [Canada] Limited, Newfoundland and Labrador Geological Survey, Assessment File 12H/1336, 161 pages.

MacVeigh, J.G., 2005: Second year, second year supplementary, third year and sixth year assessment report on prospecting and geochemical, geophysical and trenching exploration for

licences 6821M, 8344M, 8415M, 8572M, 8607M, 8613M and 8616M-8617M on claims in the H Pond and Pocket Ponds area, near Gander, central Newfoundland, 2 reports. Rubicon Minerals Corporation, Lush, T, Dimmell, P M, Wade, D and Keats, A E T, Newfoundland and Labrador Geological Survey, Assessment File NFLD/2912

McBride, D.E., 1988a: First year assessment report on prospecting and geochemical exploration for licence 2915 on claim block 4521 in the Upper Indian Pond and Hermans Brook area on the Baie Verte Peninsula, north-central Newfoundland. Exmar Resources Limited and Lundrigan, J, Newfoundland and Labrador Geological Survey, Assessment File 12H/07/1006, 26 pages.

McBride, D.E., 1988b: First year assessment report on geological and geochemical exploration for licence 3116 on claim block 5350 in the Coy Pond area, south-central Newfoundland. Bitech Energy Resources Limited, Newfoundland and Labrador Geological Survey, Assessment File 2D/05/0179, 18 pages.

Meagher, J.T., 1957: Prospecting report on the St Anthony area, Newfoundland. British Newfoundland Exploration Limited, Newfoundland and Labrador Geological Survey, Assessment File 2M/0020, 14 pages.

Mercer, B.J., 1988: Second year assessment report on geochemical and diamond drilling exploration for the Great Bend project for licences 2738 and 2753 on property on the Lizard Pond and Chiouk Brook in the Great Bend area, Newfoundland. Atlantic Goldfields Incorporated and Jascan Resources Incorporated, Newfoundland and Labrador Geological Survey, Assessment File 2D/11/0170, 70 pages.

Newfoundland and Labrador Corporation Limited, 1973: Report on chromite occurrences on Nalco lot 2 in the Great Bend, Mount Cormack, Burnt Hill and Shoal Pond areas, Newfoundland. Newfoundland and Labrador Corporation Limited, Newfoundland and Labrador Geological Survey, Assessment File 2D/0090, 33 pages.

Newfoundland and Labrador Government Striation Database, 2012.

O'Driscoll, C.F., Dean, M.T., Wilton, D.H.C., and Hinchey, J.G., 2001. The Burin Group: a late Neoproterozoic ophiolite containing shear-zone hosted mesothermal-style gold mineralization

in the Avalon Zone, Burin Peninsula, Newfoundland. Newfoundland Department of Mines and Energy Report 01-1, pp. 229-246.

O'Neill, P.P., 1991: Geology of the Weirs Pond area, Map 90-002. Metamorphic geology and  $^{40}\text{Ar}/^{39}\text{Ar}$  geochronology of the Weirs Pond area, Map 90-003. Scale: 1:50 000. In Geology of the Weirs Pond area, Newfoundland (NTS 2E/1). Government of Newfoundland and Labrador, Department of Mines and Energy, Geological Survey Branch, Report 91-03, 164 pages, enclosures (3 maps). GS# 002E/01/0917

O'Neill, P.P., and Blackwood, F., 1989. A proposal for the revised stratigraphic nomenclature of the Gander and Davidsville groups and the Gander River Ultrabasic Belt of northeastern Newfoundland. Newfoundland Department of Mines, report 89-1, pp.165-176.

O'Neill, P.P. and Colman-Sadd, S.P., 1993: Geology of the eastern Gander (NTS 2D/15) and western Gambo (NTS 2D/16) map areas, Newfoundland. Map 93-15. Scale: 1:50 000. In Geology of the eastern part of the Gander (NTS 2D/15) and western part of the Gambo (NTS 2D/16) map areas, Newfoundland. Government of Newfoundland and Labrador, Department of Mines and Energy, Geological Survey Branch, Report 93-02, 53 pages. GS# 002D/0300

Page, N.J. and Talkington, R.W. 1984: Palladium, Platinum, Rhodium, Ruthenium and iridium in peridotites and Chromitites, from Ophiolite Complexes in Newfoundland. Canadian Mineralogist, Vol22, pp137-149.

Pehrsson, S. J.; van Staal, C. R.; Herd, R. K.; and McNicoll, V. 2003. The Cormacks Lake Complex, Dashwoods Subzone: a window into the deeper levels of the Notre Dame Arc. Newfoundland Department of Mines and Energy and Mines Report 03-1, pp.115–125.

Piller, M.P., 2012. An examination of awaruite ( $\text{Ni}_3\text{Fe}$ ) formation during serpentinization of the Pipestone Pond Ophiolitic Complex in the Atlantic Lake area, central Newfoundland. Unpublished BSc. (Hons.) dissertation Memorial University of Newfoundland, 60p.

Potter, R. R., 1955: Summary report of the Burnt Hill area, Newfoundland. Newfoundland and Labrador Corporation Limited, Newfoundland and Labrador Geological Survey, Assessment File 2D/05/0036, 12 pages.

Potter, R.R. and Stewart, K.J., 1955: Report on the Dons Pond Ultrabasic Belt, Newfoundland.

Newfoundland and Labrador Corporation Limited, Newfoundland and Labrador Geological Survey, Assessment File 2D/0039, 16 pages.

Proudfoot, D.N., Scott, S., St. Croix, L., Taylor, D.M., 1990. Quaternary Geology of the Burnt Hill (NTS 2D/5) – Great Gull Lake (NTS 2D/6) Map Areas in Southeast-Central Newfoundland. In Current Research, Newfoundland Department of Mines and Energy, Geological Survey Branch, Report 90-1, pages 49-64.

Putt, M.M., Bell, T., Batterson, M.J., Smith, J.S., 2010. Late Wisconsinan Ice-Flow History on the Tip of the Northern Peninsula, Northwestern Newfoundland. In Current Research, Newfoundland and Labrador Department of Natural Resources, Geological Survey, Report 10-1, pages 171-182.

Quinlan, M., 2006: First year assessment report on prospecting and geochemical exploration for licences 11579M, 11582M and 11594M on claims in the Baie Verte, Flatwater Pond and Nippers Harbour areas, on the Baie Verte Peninsula, Newfoundland. Quinlan, M, Newfoundland and Labrador Geological Survey, Assessment File NFLD/2978, 30 pages.

Quinlan, E., 2007: Fourth year assessment report on prospecting and geochemical exploration for licence 10156M on claims in the Micmac Lake area, on the Baie Verte Peninsula, Newfoundland. Quinlan, E, Newfoundland and Labrador Geological Survey, Assessment File 12H/09/1830, 32 pages.

Reid, W., Greenwood, R. and Largeaud, J., 2008: First, second and sixth year assessment report on geophysical exploration for licences 9074M, 12902M-12908M, 12994M-12995M, 12999M, 13007M-13008M, 13034M, 13040M, 13052M, 13072M-13078M, 13978M, 14088M, 14289M and 14411M on claims in the Sops Arm, Baie Verte Junction and Sheffield Lake area, western Newfoundland, 2 reports. Metals Creek Resources Limited, Quinlan, E and Quinlan Prospecting, Newfoundland and Labrador Geological Survey, Assessment File 12H/1898, 61 pages.

Riccio, L., 1988: Second year assessment report on geological and geochemical exploration for licence 2882 on claim block 3070 in the Liverpool Brook area, western Newfoundland. Lucero Resource Corporation and Childs, C, Newfoundland and Labrador Geological Survey,

Assessment File 12G/0089, 25 pages.

Rice, T.G., 2001: Sixth year assessment report on geological and geochemical exploration for licence 4536M on claims in the Chrome Pond area, central Newfoundland. Celtic Minerals Limited, Newfoundland and Labrador Geological Survey, Assessment File 12A/08/1013, 32 pages.

Saunders, P., 1989: First year assessment report on geological and geochemical exploration and re-examination of 1978 drill core for licence 3452 on claim block 15859 in the Springers Hill and Camp Pond areas, western Newfoundland. Corona Corporation, Newfoundland and Labrador Geological Survey, Assessment File 12B/16/0313, 43 pages.

Sander, G.W. and Heshka, W., 1970: Report on 1969 investigation of the Buchans Concession and South Concession areas, Newfoundland. Hansa Syndicate, Dome Explorations [Canada] Limited, Leitch Gold Mines Limited, Hansa Explorations Limited and Pacific Petroleums Limited, Newfoundland and Labrador Geological Survey, Assessment File 12A/0120, 74 pages.

Saunders, P., Isenor, G. and Irwin, R.G., 1990: First year assessment report on prospecting and geochemical exploration for licence 3452 on claim block 15859, licence 3613 on claim blocks 15903-15904, licence 3650 on claim block 15922, licence 3735 on claim blocks 7708-7709, licence 3736 on claim blocks 15917-15921 and licence 3737 on claim blocks 15935-15937 and 15939-15940 in the Springers Hill, Blow Me Down Brook and Stowbridge areas, western Newfoundland. Corona Corporation, Newfoundland and Labrador Geological Survey, Assessment File NFLD/1958, 63 pages.

Saunders, J.K., Sheppard, R.D. and Misener, J., 1992: Third year assessment report on geological, geochemical and geophysical exploration for licence 4099 on claim block 7262 and claims 15596-15597 in the Island Pond Brook and Burseys Hill areas, near Gander River, northeastern Newfoundland. Gander River Minerals Incorporated, Newfoundland and Labrador Geological Survey, Assessment File 2E/0827, 73 pages.

Shepherd, N. 1962: Report of the investigation of the White Hills area in the Hare Bay area, Newfoundland. British Newfoundland Exploration Limited, Newfoundland and Labrador

Geological Survey, Assessment File 2M/05/0006, 20 pages.

Shepherd, N.1962: Report on geological and geophysical surveys on the Western White Hill area in the Hare Bay area, Newfoundland. British Newfoundland Exploration Limited and Patino Mining Corporation, Newfoundland and Labrador Geological Survey, Assessment File 2M/05/0022, 7 pages.

Shepherd, N.1962: Report on geological studies in the Mount Mer area in the Hare Bay area, Newfoundland. British Newfoundland Exploration Limited and Patino Mining Corporation, Newfoundland and Labrador Geological Survey, Assessment File 2M/05/0023, 4 pages.

Shepherd, N.1962: Report on geophysical surveys on the Western White Hills in the Hare Bay area, Newfoundland. British Newfoundland Exploration Limited and Patino Mining Corporation, Newfoundland and Labrador Geological Survey, Assessment File 2M/05/0024, 9 pages.

Shepherd, N.1962: Report on ground e m surveys on the Mount Mer area in the Hare Bay area, Newfoundland. Patino Corporation Limited and British Newfoundland Exploration Limited, Newfoundland and Labrador Geological Survey, Assessment File 2M/05/0021, 4 pages.

Simpson, A. 1989: Second and fifth year assessment report on geological, geochemical and geophysical exploration for licence 2472 on claim blocks 3460-3461 and 3463 and licence 2967 on claim blocks 3468 and 3439 in the Jonathans First Pond and Jonathans Second Pond areas, northeastern Newfoundland. Noranda Exploration Company Limited, Newfoundland and Labrador Geological Survey, Assessment File 2E/02/0636,

Smith, J.S., Batterson, M.J., Taylor, D.M., 2009. Till Geochemistry of the South Side of the Red Indian Lake Basin (NTS Map Sheets 12A/6, 7, 9, 10, 11, 15 and 16). Newfoundland and Labrador Department of Natural Resources, Mines Branch, Open File 12A/1449, 36 pages plus two appendices.

Snelgrove, A.K., 1934: Chromite deposits of Newfoundland. Department of Natural Resources, Geological Section, Bulletin no. 1, 29 pages.

Snelgrove, A.K., 1953: Mines and mineral resources of Newfoundland. Geological Survey, Mines Branch, Department of Mines and Resources, Information Circular no. 4, 165 pages.



Sookchohoff, L., 1997: First year assessment report on geochemical exploration for licence 4788 on claim 17441, licence 4789 on claim 17442 and licences 4547m-4548m and 4551m-4554m on claims in the Milan Arm-Northwest Bay-Savage Cove area, northern Newfoundland. McDonald, J G, Newfoundland and Labrador Geological Survey, Assessment File 2M/0077, 29 pages.

Stares, A., 2006: First year assessment report on prospecting and geochemical exploration for licences 11240M and 11330M-11331M on claims in the Lizard Pond area, central Newfoundland. Stares, A, Newfoundland and Labrador Geological Survey, Assessment File 2D/11/0675, 29 pages.

St. Croix, L. and Taylor, D.M., 1991. Regional Striation Survey and Deglacial History of the Notre Dame Bay Area, Newfoundland. In Current Research, Newfoundland Department of Mines and Energy, Geological Survey Branch, Report 91-1, pages 61-68.

St. Croix, L. and Taylor, D.M., 1990. Ice Flow in North-Central Newfoundland. In Current Research, Newfoundland Department of Mines and Energy, Geological Survey Branch, Report 90-1, pages 85-88.

St-Hilaire, C., 1996: First year assessment report on geophysical exploration for licence 4645 on claim 17353, licence 4646 on claim 17356, licence 4715 on claim 17366, licence 4716 on claims 17435 and 17439, licence 4768 on claims 17590-17592, licence 4769 on claims 17651-17654, licence 4770 on claims 17597-17600, licence 4771 on claims 17595-17596, licence 4772 on claim 17593 and licence 4675m on claims in the St Anthony area, Newfoundland. Consolidated Callinan Flin Flon Mines Limited, Newfoundland and Labrador Geological Survey, Assessment File 2M/0075, 56 pages.

Suhr, G., and Cawood, P.A., 2001. Southeastern Lewis Hills (Bay of Islands Ophiolite): Geology of a deeply eroded, inside-corner, ridge-transform intersection. Geological Society of America Bulletin, v. 113, pp. 1025–1038.

Swanson, E.A., 1959: Report on geological, geochemical and geophysical exploration in the Great Burnt Lake area, and the Grey River-La Poile River area within the Buchans Mining Company Limited Concession, central Newfoundland. Buchans Mining Company Limited,

American Smelting and Refining Company and Anglo-Newfoundland Development Company Limited, Newfoundland and Labrador Geological Survey, Assessment File NFLD/2714, 2 pages.

Swinden, H.S., 1988. Geology and economic potential of the Pipestone Pond area (12A/1 NE; 12A/8 E), central Newfoundland. Newfoundland and Labrador Department of Mines, Report 88-02, 101 p.

Swinden, H.S. and Hyde, R.S., 1988: Geology and economic potential of the Pipestone Pond area [12A/1 NE; 12A/8 E], central Newfoundland. Government of Newfoundland and Labrador, Department of Mines, Geological Survey Branch, Report 88-02, 101 pages.

Talkington, R.W.1982: The Geology, Petrology And Petrogenesis Of The White Hills Peridotite, St Anthony Complex, Northwestern Newfoundland. Thesis.

Taylor, D.M., 1994. Late Wisconsinan Ice-Flow Patterns in Southwestern Newfoundland. In Current Research, Newfoundland Department of Mines and Energy, Geological Survey Branch, Report 94-1, pages 47-51.

Taylor, D.M. and Vatcher, S., 1993. Late Wisconsinan Deglacial Ice-Flow Patterns in West-Central Newfoundland. In Current Research, Newfoundland Department of Mines and Energy, Geological Survey Branch, Report 93-1, pages 175-179.

Tibbo, H.G., 1982: Report on a soil geochemistry programme for licence 1957 on claim block 1805 in the Terra Nova River area, Fortune Bay District, central Newfoundland. Tasu Resources Limited, Newfoundland and Labrador Geological Survey, Assessment File 2D/06/0131, 36 pages.

Tibbo, H.G., 1983: Third year assessment report on metallurgical investigations for the Burnt Hill chromite project for licence 1971 on claim block 1593 in the Burnt Hill, Hermitage Bay and Northwest Gander River areas, Newfoundland. Tasu Resources Limited, Newfoundland and Labrador Geological Survey, Assessment File 2D/05/0145, 36 pages.

Timbal, N.A.1992: Serpentinization and carbonization of tectonic melanges in the Coy Pond Complex, central Newfoundland. MSc, Memorial University of Newfoundland, St John's, Newfoundland, Canada, 372 pages.

Ulrich, G.H.F., 1890. On the discovery, mode of occurrence, and distribution of the Nickel-iron Alloy Awaruite, on the west coast of the South Island of New Zealand. *Quarterly Journal of the Geological Society* 46, pp.619-632.

van Egmond, R., Cox, E. and Stuckless, E., 2004: Second year assessment report on prospecting and geochemical exploration for licences 8315M and 8806M on claims in the Gander area, central Newfoundland. Candente Resource Corporation, Crocker, C M and Crocker, J R, Newfoundland and Labrador Geological Survey, Assessment File 2D/15/0529, 36 pages.

Verley, C.G., 2011. Report on the Decar Nickel Property Trembleur Lake Area (NTS 93K/13, 14), Omineca Mining Division, British Columbia, Canada. Unpublished Report for First Point Minerals Corporation (available on SEDAR <http://www.sedar.com/>). 52p.

Wall, R M., 1954: Geological report on northeast central Newfoundland. Newfoundland and Labrador Corporation Limited Unpublished report [GSB# 002D/10/0028]

Walsh, D. and Wilton, D.H.C., 2008: First year assessment report on prospecting and geochemical exploration for licence 13281M on claims in the Liverpool Brook area, western Newfoundland, 2 reports. Walsh, D, Newfoundland and Labrador Geological Survey, Assessment File 12G/08/0123, 22 pages.

Williams, H. 1979. Appalachian Orogen in Canada. *Canadian Journal of Earth Sciences*, v.16, pp. 792-807.

Williams, H. 1995a. Temporal and spatial divisions. In *Geology of the Appalachian-Caledonian Orogen in Canada and Greenland*: Ottawa. Geological Survey of Canada, *Geology of Canada* v. 6, pp. 23–44.

Williams, H. 1995b. Taconic allochthons in Newfoundland (Humber Zone). In *Geology of the Appalachian-Caledonian Orogen in Canada and Greenland*: Ottawa. Geological Survey of Canada, *Geology of Canada* v. 6, pp. 99–114.

Williams, H. 1995c. Introduction (Humber Zone). In *Geology of the Appalachian-Caledonian Orogen in Canada and Greenland*: Ottawa. Geological Survey of Canada, *Geology of Canada* v. 6, pp. 47–49.

Williams, H. 1995d. Dunnage Zone – Newfoundland. In *Geology of the Appalachian-Caledonian Orogen in Canada and Greenland*: Ottawa. Geological Survey of Canada, *Geology of Canada* v. 6, pp. 142–166.

Williams, H., Colman-Sadd, S.P., and Swinden, H.S., 1988. Tectonic-stratigraphic subdivisions of central Newfoundland. Geological Survey of Canada, Paper 88-1B, pp. 91-98.

Williams, H. and Smyth, W.R., 1983. Geology of the Hare Bay Allochthon. In *Geology of the Strait of Belle Isle area, northwestern insular Newfoundland, southern Labrador and adjacent Québec*. Geological Survey of Canada Memoir 400, pp. 109-141.

Williams, H., and St-Julien, P., 1982. The Baie Verte-Brompton Line: Early-Paleozoic Continent-Ocean interface in the Canadian Appalachians. In *Major structural zones and faults of the northern Appalachians*. Geological Association of Canada Special Paper 24, pp.177-207.

Williams, H., Gillespie, R.T. and Knapp, D.A., 1983: *Geology, Pasadena, Newfoundland*, map and notes. Scale: 1:50 000. Geological Survey of Canada, Open File 928. Blueline paper. GS# 012H/0836

Williamson, T.C., 1994: First year assessment report on geochemical exploration for licence 4288 on claim blocks 7979-7980, licence 4289 on claim blocks 7970, 7974 and 7977 and licence 4291 on claim blocks 7966-7967 and 7969 in the Round Pond area, Newfoundland. BHP Minerals Canada Limited, Newfoundland and Labrador Geological Survey, Assessment File 12A/0683, 132 pages.

Williamson, T.C., 1995: Second year assessment report on trenching and diamond drilling exploration for the Little Gull Project for licence 4230 on claim blocks 7783, 7829, 7835 and 7838 and licence 4268 on claim block 7784 in the Bruce Pond area, central Newfoundland. BHP Minerals Canada Limited, Newfoundland and Labrador Geological Survey, Assessment File 2D/05/0299, 74 pages.

Zurowski, M. 1976: Diamond drilling data for 1975 from Nalco lot 2 in the Gander-Ragged Harbour Belt, Newfoundland. International Mogul Mines Limited of Canada and International Mogul Mines Limited, Newfoundland and Labrador Geological Survey, Assessment File NFLD/0909.

## 28.0 Date, Signature and Certificate of Author

I, Warren Robb, P.Geo., a consulting geologist, residing at 21968 127 Ave, Maple Ridge, B.C. V2X 4P5 do hereby certify that: I am the Qualified Person for

Jerico Explorations Inc.

#3606 - 833 Seymour Street

Vancouver, British Columbia

V6B 0G4

I earned a Bachelor of Science Degree majoring in geology from The University of British Columbia, graduating in May 1987.

I am registered with the Association of Professional Engineers and Geoscientists in the Province of British Columbia as a Professional Geoscientist.

I have practiced my profession continuously for 34 years since graduation.

I have read the definition of “qualified person” set out in National Instrument 43-101 (“NI 43-101”) and certify that by reason of my education, affiliation with a professional association (as defined in NI 43-101) and past relevant work experience, I fulfill the requirements to be a “qualified person” for the purposes of NI 43-101. My relevant experience for the purpose of this Technical Report is:

- 34 years of exploration experience in Canada, U.S.A., South America, Africa, China
- Involved in regional programs on the Nechako Plateau, Senior geologist oversaw Resource Estimate on Chu Molybdenum deposit 2009
- Chief geologist overseeing primary Resource Estimate Yaramoko gold deposit, Burkina Faso

I am responsible for the preparation of the technical report titled “43-101 Technical Report on The St. Anthony Property” and dated June 10, 2022 relating to the St. Anthony property. I last visited the St. Anthony Property on February 22 & 23, 2022 for two days.

I have had no prior involvement with the St. Anthony property that is the subject of the Technical Report.

As of June 10, 2022 to the best of my knowledge, information and belief, the Technical Report contains all scientific and technical information that is required to be disclosed to make the Technical Report not misleading.

I am independent of Jerico Explorations Ltd., 1113382 BC Ltd. and 2653438 Inc. and Ridgeline Exploration Services Ltd. after applying all the tests in section 1.5 of NI 43-101.

I have read NI 43-101 and Form 43-101F, and the Technical Report has been prepared in compliance with that instrument and form.

I make this report effective as of the 10th day of June 2022.

Signed and Sealed

Warren Robb P. Geo