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# **KNIGHTSBRIDGE EXPLORATION LTD.**

## **Abstract**

Canadian Exploration Services was contracted to perform prospecting over the Northwind Property for Knightsbridge Exploration Ltd. The prospecting was designed to traverse an area that was historically difficult to access. Recent forestry activity has pushed a road close to this area, allowing easier access.

**Knightsbridge Exploration Ltd.**  
**Q3135 – Northwind Property**  
**Grass Roots Prospecting Program**

**C Jason Ploeger, P.Geol.**  
**Kajal P. Makwana**

**June 6<sup>th</sup>, 2023**

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## 1. SURVEY DETAILS

### 1.1 PROJECT NAME

This project is known as the **Northwind Property**.

### 1.2 CLIENT

KNIGHTSBRIDGE EXPLORATION LTD.

P.O. Box 219  
Larder Lake, Ontario  
P0K 1L0

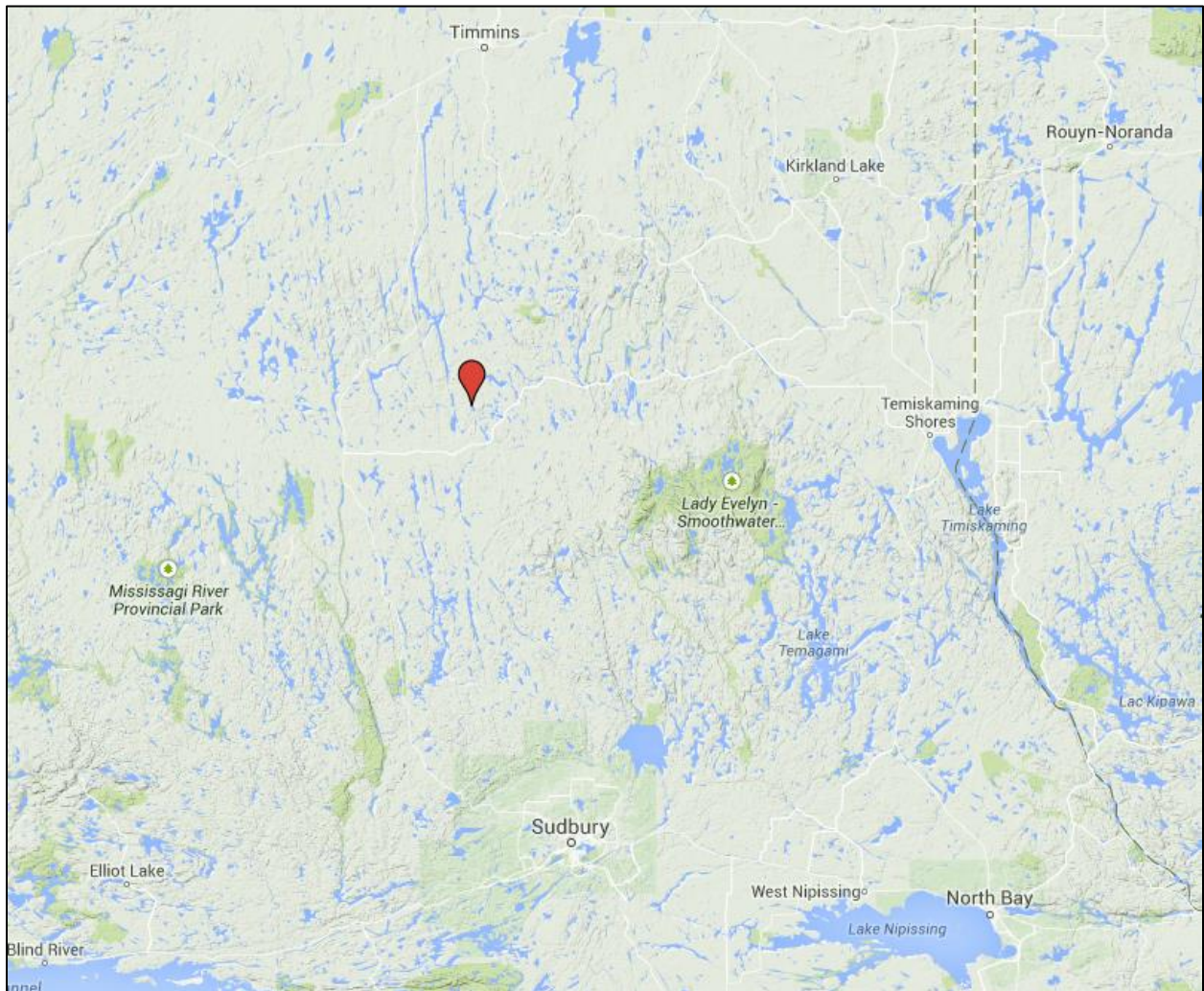
### 1.3 SUMMARY

Canadian Exploration Services Limited (CXS) performed a grassroots prospecting program for Knightsbridge Exploration Ltd over the Northwind Property in the Spring of 2023. The prospecting was designed to traverse an area that was historically difficult to access. Recent forestry activity has pushed a road close to this area, allowing easier access.

All coordinates presented in this report are in UTM NAD83 Zone 17N.

### 1.4 LOCATION

The Northwind Property is located in the Connaught Township, approximately 10 km northwest of Shining Tree, Ontario. The survey area covers multiple cell claims situated in the Larder Lake Mining Division of Ontario.



***Figure 1: Location of the Northwind Property***

### **1.5 ACCESS**

Access to the property was via a 4x4 pickup truck. The crew was based out of Larder Lake, Ontario. Highway 560 was driven west for approximately 16km west of Shining Tree, Ontario. A forestry access road was then travelled north for an additional 19 kilometres to a point where the survey area crossed the road.

### **1.6 OWNERSHIP**

The Northwind Property is located in the Connaught Township, approximately 10 km northwest of Shining Tree, Ontario. The survey area covers multiple cell claims situated in the Larder Lake Mining Division of Ontario.

The traverse cover cell claim numbers: 228083, 146245, 109475, 211042, 140284, 248944.

Claim Number	Provincial ID	Holder	Township
228083	41P11F201	Knightsbridge Exploration Ltd.	Connaught
834725	41P11F202, 41P11F203, 41P11F222, 41P11F223, 41P11F242, 41P11F243, 41P11F262, 41P11F263	Knightsbridge Exploration Ltd.	Connaught

**Table 1: List of Cell Claims**

## 1.7 GENERAL GEOLOGY

### Regional Geology:

The Elephant Head Lake Prospect is in the southwestern portion of the Abitibi Greenstone Belt. The Abitibi Greenstone belt itself is located within the Abitibi Subprovince of the Canadian Shield. It is one of the world's largest greenstone belts, extending 500 km from Chibougamou, Quebec (northeast) to Timmins, Ontario (west). The greenstone belt also has some unique characteristics, such as having a high ratio of supracrustal rocks to intrusive rocks, high diversity of mineral deposits and low metamorphic grade.

The Timmins–Kirkland Lake–Rouyn Noranda area forms a large east-trending synclinorium (Jensen, 1985) that extends between the Lake Abitibi and Round Lake batholiths. Both limbs of the synclinorium are cut by large-scale geological features, the Destor-Porcupine Fault Zone to the north and the Kirkland Lake-Larder Lake fault Zone to the south.

The Shining Tree area is bounded to the northwest by the Togo Batholith, to the southwest by the Miramichi granitoid complex and to the east by the unconformably overlying Paleoproterozoic rocks of the Huronian Supergroup. Consolidated rocks in the Shining Tree area are of the Precambrian age (Carter, 1980).

The metavolcanic sequence commences with felsic (rhyolites) rocks followed by a younger cycle of mafic (tholeiitic) rocks, then finishes with pyroclastic rocks, interlayered sediments and felsic volcanic rocks.

Mafic intrusive rocks consist of quartz gabbro, olivine gabbro, and diorite. Felsic intrusive rocks comprise syntectonic batholiths (quartz monzonite, granodiorite and trondhjemite) and tectonic stocks (massive to porphyritic quartz diorite, trondhjemite,

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syenodiorite and diorite).

Middle Precambrian rocks consist of chemical (limestone) and clastic sedimentary (Cobalt Group) rocks and Nipissing-type diabase sills. Early to Late Precambrian rocks consist of both northwest and northeast striking diabase dykes, which crosscut all the other rock units. The primary structural feature of the area is a doubly plunging synclinorium within the metavolcanic/metasedimentary rock assemblage.

**Property Geology:**

All consolidated rocks in the Connaught Township area are of Precambrian age. They are usually covered with a layer of unconsolidated Cenozoic glacial deposits (Pleistocene and more recent ages).

Archean rocks consist of a portion of the metasedimentary–metavolcanic assemblage (described in the Regional Geology section) and mafic and felsic intrusive rocks.

The basement rocks are comprised of a suite of sub alkalic to alkalic metavolcanic rocks (basalt to rhyolite), interlayered with mafic to ultramafic rocks (gabbroic to serpentinized dunite), and both chemical (limestone, chert and iron formations) and clastic (conglomerate, greywacke and argillite) metasedimentary rocks. Younging direction (from pillowed lavas and graded bedding in tuffs) indicates it faces northeast.

The metavolcanic–metasedimentary sequence can be subdivided into lower and upper portions based on the nature and composition of the volcanic rocks. The upper part, which is tightly folded, consists of intermediate and pyroclastic volcanic rocks and metasedimentary rocks with minor amounts of mafic and felsic rocks. The lower portion of the sequence consists of interlayered mafic (subaqueous flows) to felsic (pyroclastic) rocks. Metasedimentary rocks are rarer in the lower part of the sequence.

Early to Late Precambrian rocks are the diabase dykes that trend northwest to north to northeast across the township area. As the dykes crosscut all the units, including the batholith near Elephant Head Lake, they may belong to the Matachewan or Abitibi dyke sets.

Middle Precambrian rocks overlie the older series unconformably and include the Espanola Formation (limestones) of the Quirke Lake Group, the Gowganda Formation of the Cobalt Group (flat-lying conglomerate and greywacke) and Nipissing Diabase.

All the units are intruded by the granitic Togo Batholith to the northwest and the felsic to intermediate Miramichi Batholith (quartz monzonite, granodiorite and trondhjemite) to the southwest (Carter, 1980).

Several major north-northwest striking faults pass through the region and are close to the Elephant Head Lake area. They are the Michiwakenda Fault and the Elephant Head Lake Fault. They are considered part of the Onaping Lineament and are both

sinistral wrench faults.

## 1.8 PROPERTY HISTORY

Many historical exploration has been carried out over the years all over the survey area. The following list describes details of the previous geoscience work, which was collected by the Mines and Minerals Division and provided by OGSEarth (MNDM & OGSEarth, 2023).

- **1956: Montgarry Expl Ltd (File 41P11NW0441)**  
***Airborne Geophysics, Geology, Ground Geophysics***  
In 1956, Montgarry Expl Ltd performed an Airborne Magnetometer, Electro-magnetic, Geological Survey / Mapping and Compilation and Interpretation of the data.
- **1974: Amalgamated Rare Earth Mines Ltd (Files 41P11NW0432, 41P11NW0425)**  
***Diamond Drilling***  
In 1974, Amalgamated Rare Earth Mines Ltd reported two drilling programs over the property. Both have 3 drillholes with 1002.6' and 1033.6' length.
- **1975 - 1981: Texasgulf Canada Ltd (File 41P11SW0041, 41P11NW0406)**  
***Ground Geophysics***  
Between 1975 to 1981, Texasgulf Canada Ltd reported Electromagnetic, Magnetic / Magnetometer surveys, Electromagnetic Very Low Frequency surveys over the property.
- **1980 - 1981: Patino Mines (Quebec) Ltd (Files 41P11NW0419, 41P11NW0417)**  
***Ground Geophysics, Geochemistry, Geology***  
Between 1980 to 1981, Patino Mines Ltd performed multiple surveys over the property. Including Electromagnetic, Magnetic / Magnetometer Survey, Assaying and Analyses, Diamond Drilling (4 DDH/1690'), and Geochemical and Geological Survey / Mapping.
- **1983: 117455 Canada Ltd (Files 41P11SW0036, 41P11SW0035)**  
***Ground Geophysics, Geology, Geochemistry***  
In 1983, multiple surveys were reported for the property by 117455 Canada Ltd. Surveys including Assaying and Analyses, Geological Survey / Mapping, Magnetic / Magnetometer Survey and Electromagnetic Very Low Frequency.
- **1984: Manwa Expl Services Ltd (File 41P11NE0464)**  
***Airborne Geophysics***  
In 1984, Manwa Expl Services performed Airborne Electromagnetic, Airborne Electromagnetic Very Low Frequency, and Airborne Magnetometer over the property.



- **1984: Narex Ore Search Consultants (File 41P11NW8518)**  
***Airborne Geophysics***  
In 1984, Narex Ore search Consultants performed Airborne Electromagnetic, Airborne Electromagnetic Very Low Frequency, and Airborne Magnetometer over the portion of the property.
- **1988: Actuate Resources Ltd (Files 41P11NW0413, 41P11SW0034)**  
***Ground Geophysics***  
In 1988, Actuate Resources Ltd performed a Magnetic / Magnetometer Survey over the property.
- **1991 - 1994: Trinity Explorations (Files 41P14NE0204, 41P11SW8602)**  
***Airborne Geophysics, Ground Geophysical, Geology, Geochemistry***  
Between 1991 to 1994, Trinity Explorations performed Airborne Electromagnetic Very Low Frequency, Airborne Magnetometer, Electromagnetic, Electromagnetic Very Low Frequency, Geochemical, Geological Survey / Mapping, and Magnetic / Magnetometer Surveys over the property.
- **1992 – 1993: Noranda Exploration Co Ltd (Files 41P11NW0410, 41P11NW0411, 41P11NW8601)**  
***Ground Geophysics***  
Between 1992 to 1993, Noranda Exploration CO Ltd performed Induced Polarization and Magnetic / Magnetometer Survey over the property.
- **1994: R Ferderber (File 41P11SW0006)**  
***Ground Geophysical, Physical, Prospecting, Geochemistry, Geology***  
In 1994, R Ferderber performed Assaying and Analyses, Electromagnetic, Electromagnetic Very Low Frequency, Geological Survey / Mapping, Magnetic / Magnetometer Survey, Open Cutting and Prospecting over the property.
- **1997: Anglaumaque Exploration Inc (File 41P11SW0033)**  
***Ground Geophysics, Physical***  
In 1997, Anglaumaque Exploration Inc performed Electromagnetic, Gradiometric, Magnetic / Magnetometer Surveys, Open Cutting, and Electromagnetic Very Low Frequency over the property.
- **2008: Ashley Gold Mines Ltd, Sedex Mining Corp (Files 20000004262, 20000005502, 20000005923)**  
***Airborne Geophysics, Prospecting, Physical***  
In 2008, Ashley Gold Mines Ltd performed Prospecting, Overburden

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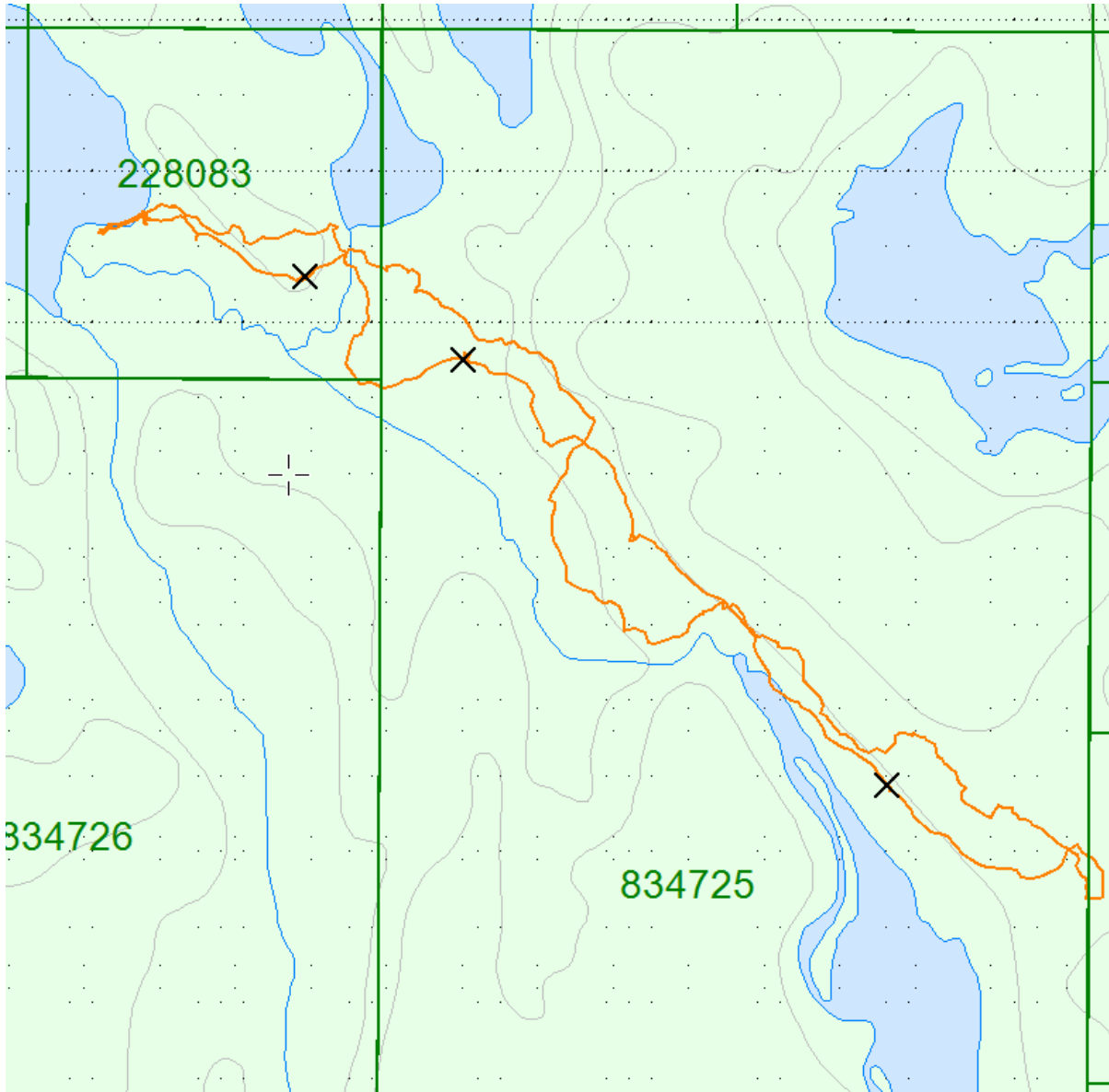
Stripping, and Airborne Electromagnetic and Airborne Magnetometer over the property.

- **2008 – 2013: Creso Resources Inc, Terraquest Ltd, Platinex Inc, John Lawrence Tindale, Larry John Salo, Robin Lowe, Roy Annett (Files 20000004462, 20000006516, 20000007135, 20000008839)**  
***Geochemistry, Ground Geophysics, Other, Physical, Prospecting, Airborne Geophysics, Drilling***  
Between 2008 and 2013, Creso Resources Inc performed multiple surveys including Airborne Electromagnetic Very Low Frequency, Airborne Magnetometer, Airborne Radiometric, Assaying and Analyses, Diamond Drilling (2 HOLES 507M), Geological Survey / Mapping, Overburden Stripping, Bedrock Trenching, Manual Labour, Line cutting, Magnetic / Magnetometer Survey, Prospecting and Electromagnetic Very Low Frequency over the property.
- **2014 – 2019: Knightsbridge Exploration Ltd (Files 20000008552, 20000008552, 20000014243, 20000014812, 20000014811, 20000014244, 20000014245, 20000008593, 20000008620, 20000015090, 20000014246, 20000013723, 20000014852, 20000018285, 20000017304, 20000019238, 20000018284)**  
***Ground Geophysics, Physical, Prospecting, Sampling Program***  
Between 2014 to 2019, Knightsbridge Exploration Ltd performed Radiometric, Linecutting, Beep Mat, Magnetic / Magnetometer Survey, Electromagnetic Very Low Frequency, Prospecting, Rock Sampling, and Electromagnetic programs over the property.
- **2017 – 2019: Iamgold Corp (Files 20000017218, 20000019368)**  
***Geochemistry, Ground Geophysics, Physical, Prospecting, Sampling Program, Drilling***  
Between 2017 to 2019, Iamgold Corp performed Assaying and Analyses, Induced Polarization, Prospecting, Overburden Stripping, Soil/Till Sampling, Linecutting and Diamond Drilling over the property.
- **2021 – 2022: Todd Mathieu (File 20000020264)**  
***Geochemistry, Physical, Prospecting, Sampling***  
From 2021 to 2022, Todd Mathieu performed Assaying and Analyses, Prospecting, Bedrock Trenching, Rock Sampling, Geochemistry, Physical, Prospecting, and Sampling Program over the property.
- **2021: Platinex Inc (File 20000020444)**  
***Geology, Remote Sensing Image***  
In 2021, Platinex Inc performed a Geological Survey / Mapping and LiDAR over the property.

## 2. PROSPECTING

### 2.1 OVERVIEW

In June 2023, prospecting was completed over the Northwind Property to investigate historic features such as shafts, pits, trenches, and stripped areas, along with any outcrops and mineralization encountered.



**Figure 2: Areas Prospected**

### 2.2 PLANS & PERMITS

The prospecting work reported here was surficial and required no plans or permits.

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### 2.3 DAILY LOG

Date	Description
June 4, 2023	Locate the prospecting area. Work on access and begin and complete traverses.

**Table 2: Daily Prospecting Log**

### 2.4 PERSONNEL

Jason Ploeger of Larder Lake, Ontario, represented the prospecting crew.

### 2.5 TRAVERSE SPECIFICATIONS

The property boundary, along with specific target areas, were identified and uploaded to a GPS. This boundary acted as a constraint for the prospecting traverse.

A long bright orange ribbon was hung at each sample site with only the sample number listed with a black marker. Below the ribbon, the sample was taken. Using a rock hammer, rock was broken up and sampled. The sample was placed in a plastic sampling bag with a sample tag and taped closed. The sample number was recorded on the sampling bag as well. The sample is then put into a packsack for transportation.

While sampling, a picture of the satellite information on the GPS at that sample's specific location is taken.

The samples are put into white "rice" bags. These bags are sealed and kept by the crew each day. The GPSs were also downloaded, which identified sample locations and traverse routes.

### 3. RESULTS

ALL SAMPLES WERE TAKEN FOR REFERENCE PURPOSES ONLY. ALL SAMPLES WERE PRESENTED TO KNIGHTSBRIDGE EXPLORATION LTD.

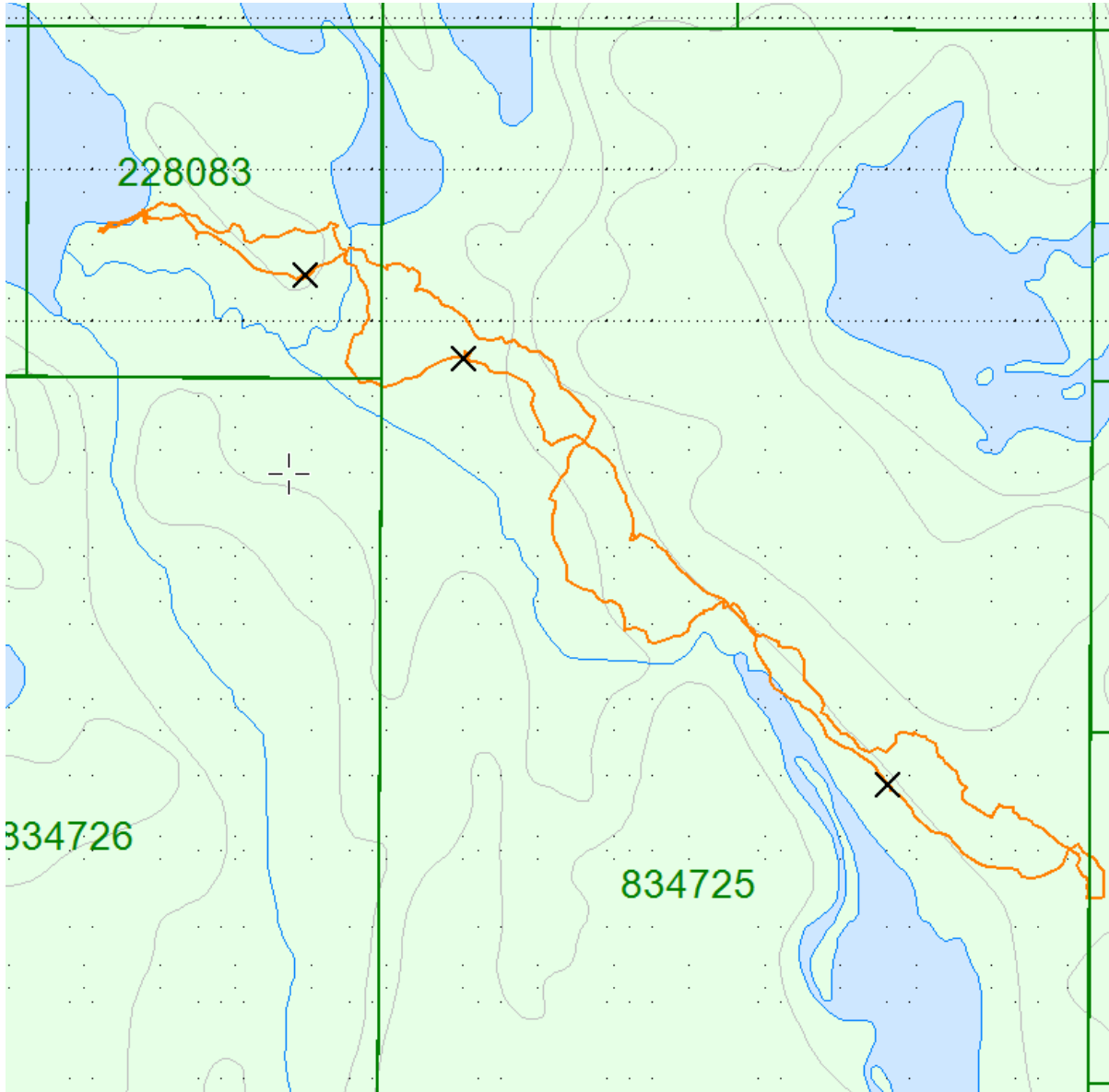
#### 3.1 SUMMARY OF SAMPLES COLLECTED

Rock Samples Collected	
Date	Sample Number
June 4 <sup>th</sup> , 2023	34101 - 34102

**Table 3: Summary of Samples Collected**

No obvious historical work was observed during the traverse however one suspected drill pad (no casing) was observed at coordinates 472624E 5274017N.

**3.2 DAY 1 – 4<sup>TH</sup> JUNE 2023**



**Figure 3: Traverse conducted on June 4th, 2023**

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Sample 34101

Rock Description:

- Felsic metavolcanic

Location:  
472400E  
5274250N



**Figure 4: Cross Section of Sample 34101**

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Sample 34102

Rock Description:

- Felsic Volcanic (porphyritic)

Location:

472191E

5274361N



**Figure 5: Cross Section of Sample 34102**



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Sample 34103

Rock Description:

- Mafic Volcanic
- Carbonate alteration

Location:

472961E

5273688N



**Figure 6: Cross Section of Sample 34103**

## APPENDIX A

### STATEMENT OF QUALIFICATIONS

I, C. Jason Ploeger, at this moment declare that:

1. I am a professional geophysicist with residence in Larder Lake, Ontario and am presently employed as a Geophysicist and Geophysical Manager of Canadian Exploration Services Ltd. of Larder Lake, Ontario.
2. I am a Practising Member of the Association of Professional Geoscientists, with membership number 2172.
3. I graduated with a Bachelor of Science in geophysics from the University of Western Ontario, in London, Ontario, in 1999.
4. I have practiced my profession continuously since graduation in Africa, Bulgaria, Canada, Mexico and Mongolia.
5. I am a member of the Ontario Prospectors Association, a Director of the Northern Prospectors Association and a member of the Society of Exploration Geophysicists.
6. I do not have nor expect interest in the properties and securities of **Knightsbridge Exploration Ltd.**
7. I am responsible for the final processing and validation of the survey results and the compilation of the presentation of this report. The statements in this report represent my professional opinion based on my consideration of the information available to me at the time of writing this report.



C. Jason Ploeger, P.Geo., B.Sc.  
Geophysical Manager  
Canadian Exploration Services Ltd.

Larder Lake, ON  
June 6<sup>th</sup>, 2023

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## STATEMENT OF QUALIFICATIONS

I, Kajal P. Makwana, at this moment declare that:

1. I am a Junior Geologist/Exploration Geologist with a residence in Virginiatown, Ontario and employed with Canadian Exploration Services Ltd. of Larder Lake, Ontario.
2. I graduated with a Bachelor of Science in Geology from The Maharaja Sayajirao University of Baroda, Gujarat, India, in 2017.
3. I have previous geological work experience with Battery Mineral Resources, 2021-2022.
4. I do not have nor expect interest in the properties and securities of **Knightsbridge Exploration Ltd.**
5. I am responsible for some of the final processing and the compilation of the presentation of this report. The statements in this report represent my opinion based on my consideration of the information available at the time of writing this report.

Kajal P. Makwana, B.Sc.  
Junior Geologist/Exploration Geologist  
Canadian Exploration Services Ltd.

Larder Lake, ON  
June 6th, 2023

## APPENDIX B

### GARMIN GPS MAP 62S



Physical & Performance:	
Unit dimensions, WxHxD:	2.4" x 6.3" x 1.4" (6.1 x 16.0 x 3.6 cm)
Display size, WxH:	1.43" x 2.15" (3.6 x 5.5 cm); 2.6" diag (6.6 cm)
Display resolution, WxH:	160 x 240 pixels
Display type:	transflective, 65-K color TFT
Weight:	9.2 oz (260.1 g) with batteries
Battery:	2 AA batteries (not included); NiMH or Lithium recommended
Battery life:	20 hours
Waterproof:	yes (IPX7)
Floats:	no
High-sensitivity receiver:	yes
Interface:	high-speed USB and NMEA 0183 compatible
Maps & Memory:	
Basemap:	yes
Preloaded maps:	no
Ability to add maps:	yes
Built-in memory:	1.7 GB
Accepts data cards:	microSD™ card (not included)

Waypoints/favorites/locations:	2000
Routes:	200
Track log:	10,000 points, 200 saved tracks
<b>Features &amp; Benefits:</b>	
Automatic routing (turn by turn routing on roads):	yes (with optional mapping for detailed roads)
Electronic compass:	yes (tilt-compensated, 3-axis)
Touchscreen:	no
Barometric altimeter:	yes
Camera:	no
<u>Geocaching-friendly:</u>	yes (paperless)
<u>Custom maps compatible:</u>	yes
Photo navigation (navigate to geotagged photos):	yes
Outdoor GPS games:	no
Hunt/fish calendar:	yes
Sun and moon information:	yes
Tide tables:	yes
Area calculation:	yes
Custom POIs (ability to add additional points of interest):	yes
Unit-to-unit transfer (shares data wirelessly with similar units):	yes
Picture viewer:	yes
Garmin Connect™ compatible (online community where you analyze, categorize and share data):	yes

- *Specifications obtained from [www.garmin.com](http://www.garmin.com)*

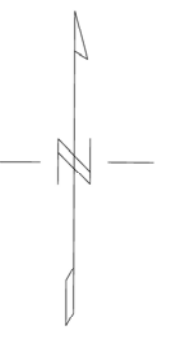
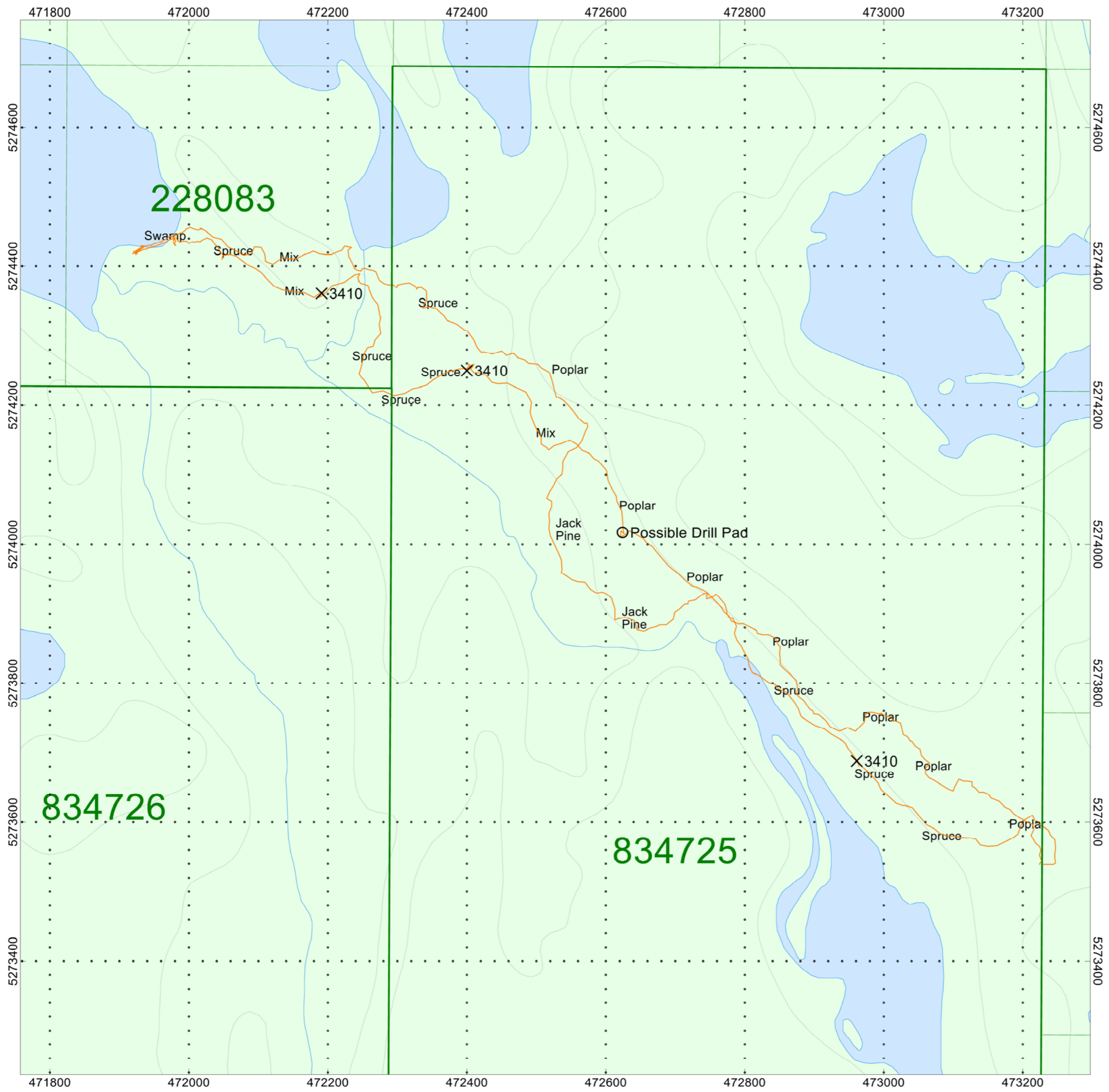
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**APPENDIX C**

**LIST OF MAPS (IN MAP POCKET)**

1) Map-Q3135-Knightsbridge-Northwind-Prospecting-Jun4 (1:5000)

**Total Maps = 1**



# KNIGHTSBRIDGE EXPLORATION LTD.

**NORTH WIND PROPERTY**  
Connaught Township, Ontario

PROSPECTING TRAVERSE PLAN MAP  
June 4, 2023

Prospecting Traverses By: Bruce Lavalley and Claudia Moraga  
Map Drawn By: C Jason Ploeger  
June 2023



Drawing: Map-Q3135-Knightsbridge-Northwind-Prospecting-4jun

