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**CANADIAN EXPLORATION SERVICES LTD**

**TIGER GOLD EXPLORATION  
CORPORATION**

**Q2154 – Harker Heritage Property - Area 11  
Prospecting/Rock Sampling**

**C Jason Ploeger, P.Geo. – June 29, 2017**

# Tiger Gold Exploration Corporation

## **Abstract**

CXS was contracted to perform four man days worth of prospecting over the Harker Heritage Property Area 11.

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## 1. SURVEY DETAILS

### 1.1 PROJECT NAME

This project is known as the **Harker Heritage Property – Area 11**.

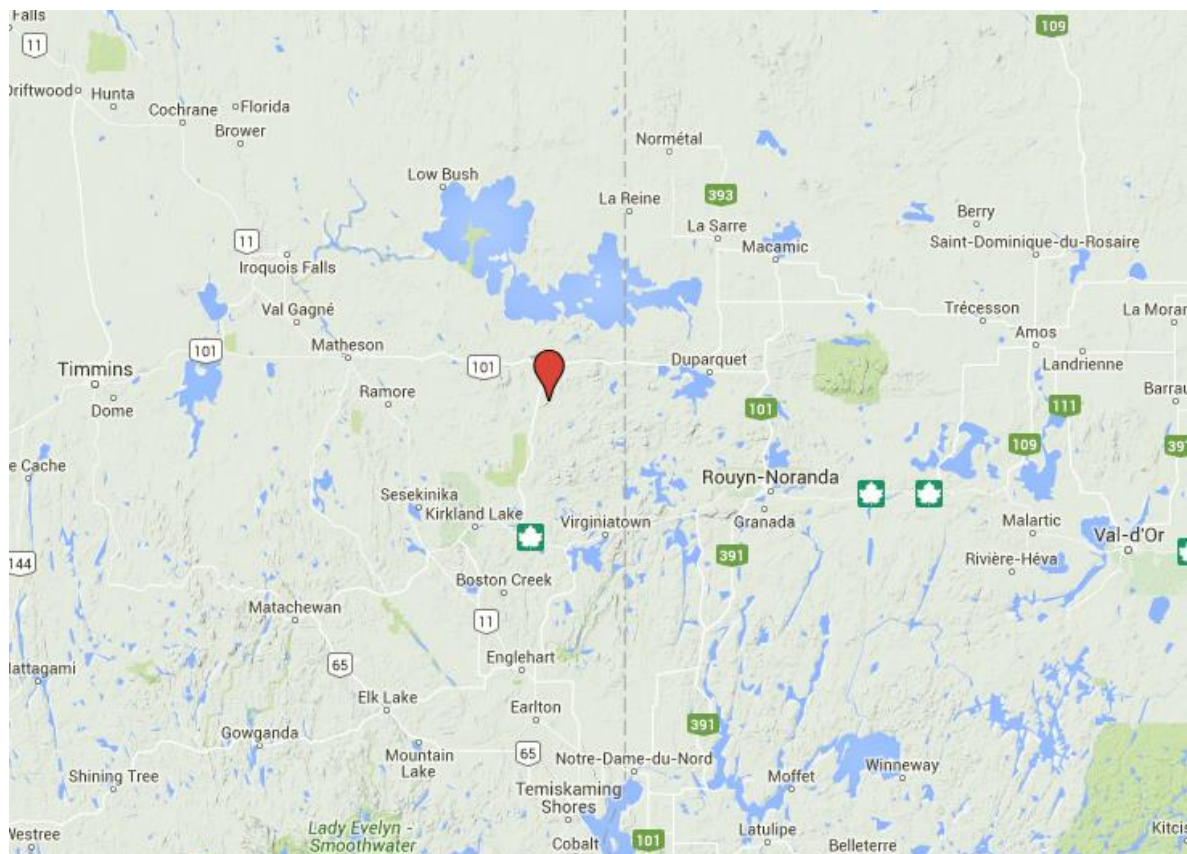
### 1.2 CLIENT

TIGER GOLD EXPLORATION CORPORATION,

103 Government Road.  
Kirkland Lake, Ontario  
P2N 1A9

### 1.3 LOCATION

The Harker Heritage Property is located approximately 50 km northeast of Kirkland Lake, Ontario. The property consists of 375 mining claims comprising of over 850 units spanning Clifford, Elliott, Harker, Holloway, Tannahill and Marriott Townships within the Larder Lake Mining Division.



***Figure 1: Location of the Harker Heritage Property***

## **1.4 ACCESS**

Access to the property was attained with a 4x4 truck via highway 672 and highway 101. Numerous forestry access roads and trails were travelled by snowmobile to access the various parts of the property.

Area 11 is located within Holloway and Marriott Township. Access to this area was via the Rosko Forestry Road which can be found 31.5 kilometers north along highway 672 from its intersection with highway 66. Rosko Forestry Road is then travelled for an additional 21 kilometers to the edge of the survey area. From this location, a snowmobile was used to access the traverse area.

The area covered with the traverses include mining claims 980287, 980286, 980283, 980275, 980277, 980323, 980324, 980325, 980302, 980303, 980308, 980291, 980292, 980310, 980317, 980316, 980311, 980315, 980312, 980298, 980297, 980280, 1225977, 3011709, 4252134, 4242133, 4252135, 4252136, 4252137, 4252131, 3011749, 3006739, 3003816, 3003817, 4225382, 4211987, 1225976, 1225978, 1225979 and 1225984.

## **1.5 SURVEY AREA**

The survey area was designed to be a reconnaissance survey through the claim group. The traversed lines were established using a GPS in conjunction with the execution of the survey and were based on topography and a path of least resistance.

## **1.6 REGIONAL GEOLOGY**

The property is hosted in the Archean aged Blake River Group of the Abitibi sub-province. Volcanic rocks of the area are classified chemically as tholeiitic and calc-alkaline. They include a wide spectrum of rock types ranging from basalts to rhyolites. Intrusive rocks include gabbros, diorites and feldspar porphyries with scattered rare diabase dykes. Mapping in the region has identified a number of east west trending fold axis that lead to the repetition of units in a north south direction.

## **1.7 PREVIOUS WORK**

### Cortez Explorations Limited

1946-1947 – geological mapping and diamond drilling

### Boulder Mountain Resources Inc.

1985 – Airborne Magnetometer and VLF

### Edda Resources Inc.

1986 – Airborne Magnetometer

A W Hennessey

1986 – Airborne Magnetometer and VLF

Dan Louie

1987 – Airborne Magnetometer and VLF

Alex Perron

1988-2002 – Magnetometer and VLF EM

1989-1994 – Geological Mapping

Perrex Resources Inc.

1988 – Geological Mapping

1988 – Induced Polarization Survey

1990-2002 – Magnetometer and VLF EM

The Perron Gold Corporation

1988 – Induced Polarization Survey

1990-1991 – Diamond Drilling

Teck Exploration

1991 – Diamond Drilling

Gwen Resources

1993 – Magnetometer and VLF EM

2000 – Trenching

Queenston Mining Inc

1996 – Trenching

1997 – Mapping and Compilation

Tom O'Connor

2000 – Magnetometer and VLF EM

Exlor Resources

2010 – Diamond Drilling

Tiger Gold Exploration Corporation

2002-2010 – Magnetometer and VLF EM

2005-2009 – Geological Mapping

2005-2012 – Stripping and Sampling

2006 – Diamond Drilling

2007-2008 – Max Min

2012 – Induced Polarization



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## **2. SURVEY WORK UNDERTAKEN**

### **2.1 PERSONNEL**

Bill Bonney of Kirkland Lake, Ontario and David LaRocque of Larder Lake, Ontario performed the prospecting traverse and collected GPS waypoint data.

### **2.2 SURVEY SPECIFICATIONS**

The main purpose of the prospecting was to investigate to areas of outcrop exposure for potential mineralization. Rock samples were collected from outcrops crossed during the traverses. These samples were taken for reference purposes.

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### 3. OVERVIEW OF SURVEY RESULTS

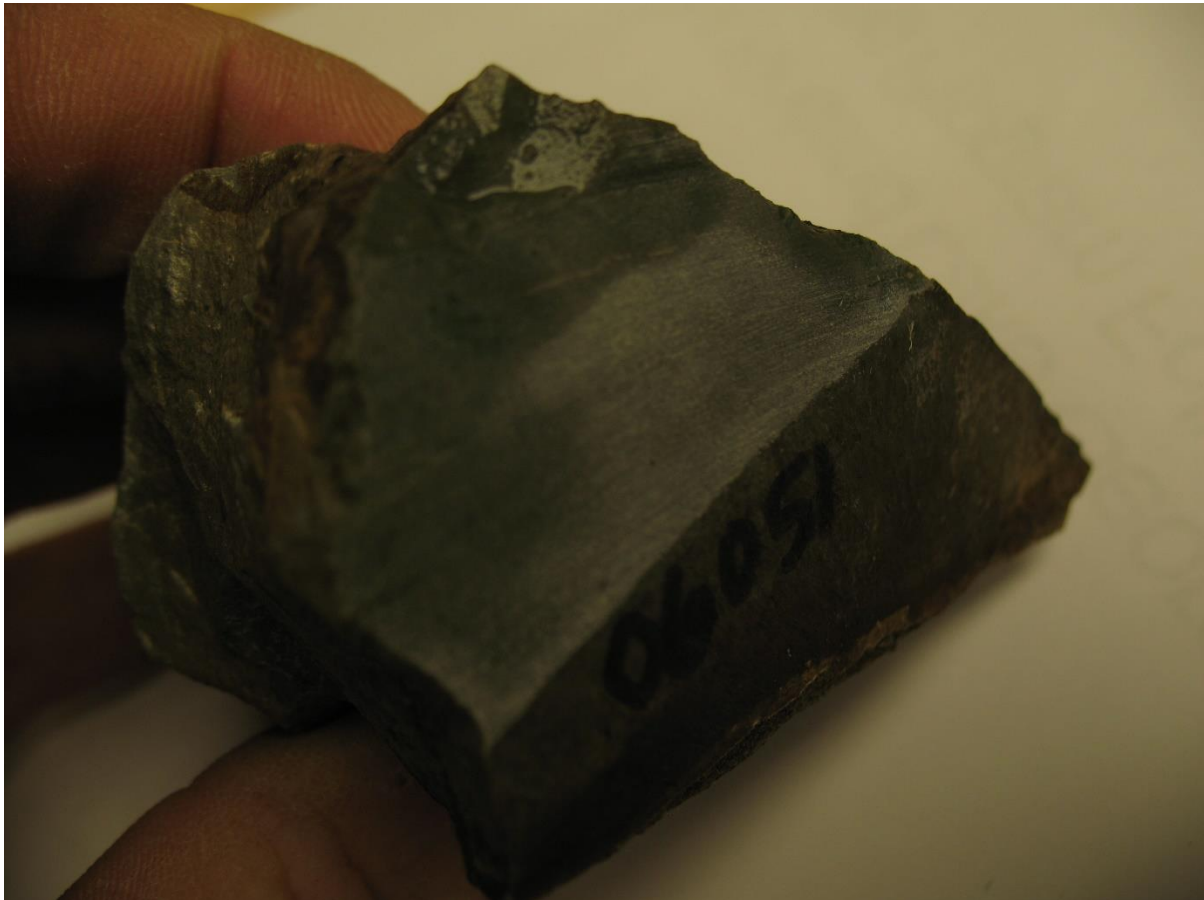
**ALL SAMPLES WERE TAKEN FOR REFERENCE PURPOSES ONLY! ALL SAMPLES WERE PRESENTED TO TIGER GOLD EXPLORATION CORPORATION.**

#### 3.1 DAY-1 – NOVEMBER 12, 2015

##### Sample 06051

**NAD 83 - Zone 17N  
600648E 5368588N**

This sample was collected from an outcrop in a spruce stand. This sample represents a fine grained dacite.



**Figure 2: Sample 06051**

Similar outcrops were noted at:

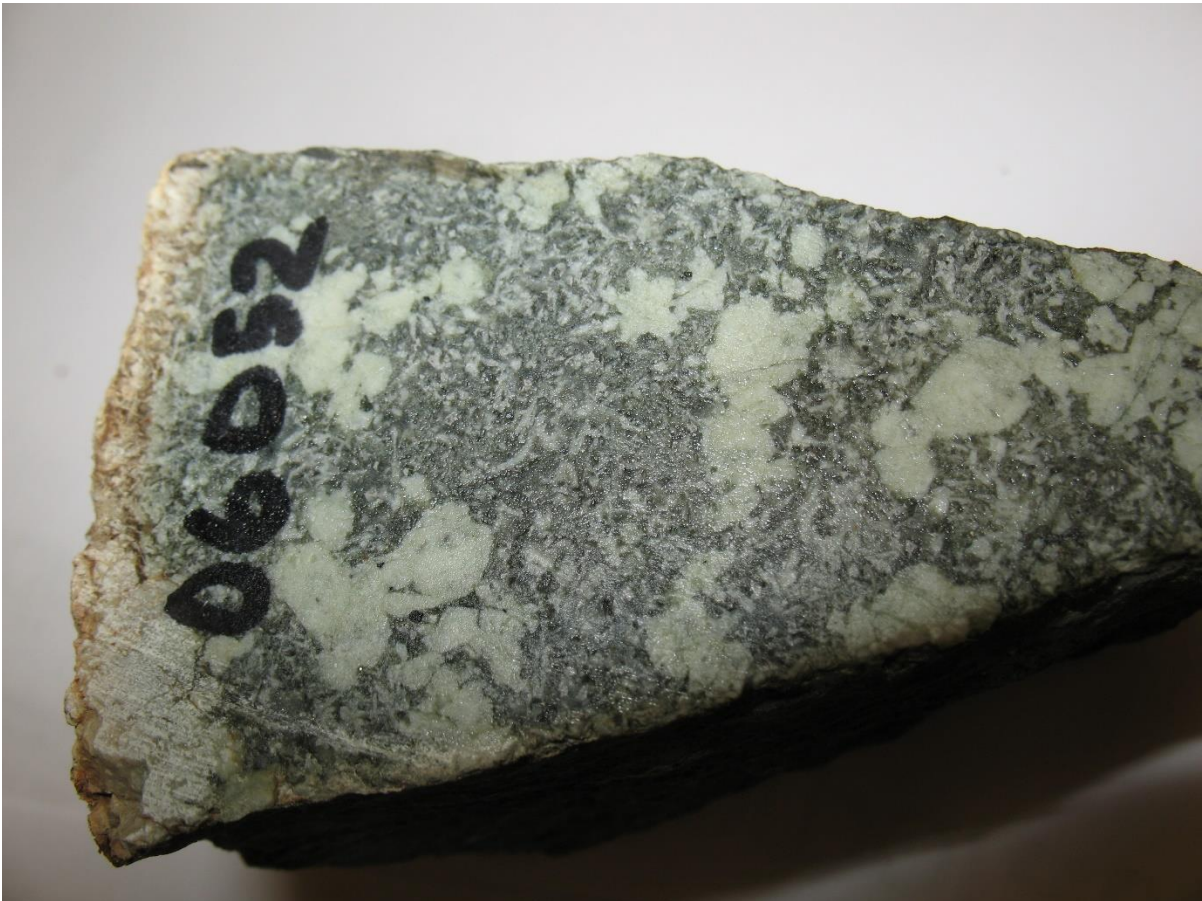
601370E 5370495N

601299E 5371261N

**Sample 06052**

**NAD 83 - Zone 17N  
600613E 5368610N**

This sample was collected from an outcrop in a spruce stand. This sample represents a chill margin from a mafic volcanic. 0.5 cm plagioclase crystals are visible.



**Figure 3: Sample 06052**

**Sample 06053**

**NAD 83 - Zone 17N  
601191E 5368828N**

This sample was collected from an outcrop located in a stand of mixed trees. This sample represents a mafic volcanic flow.

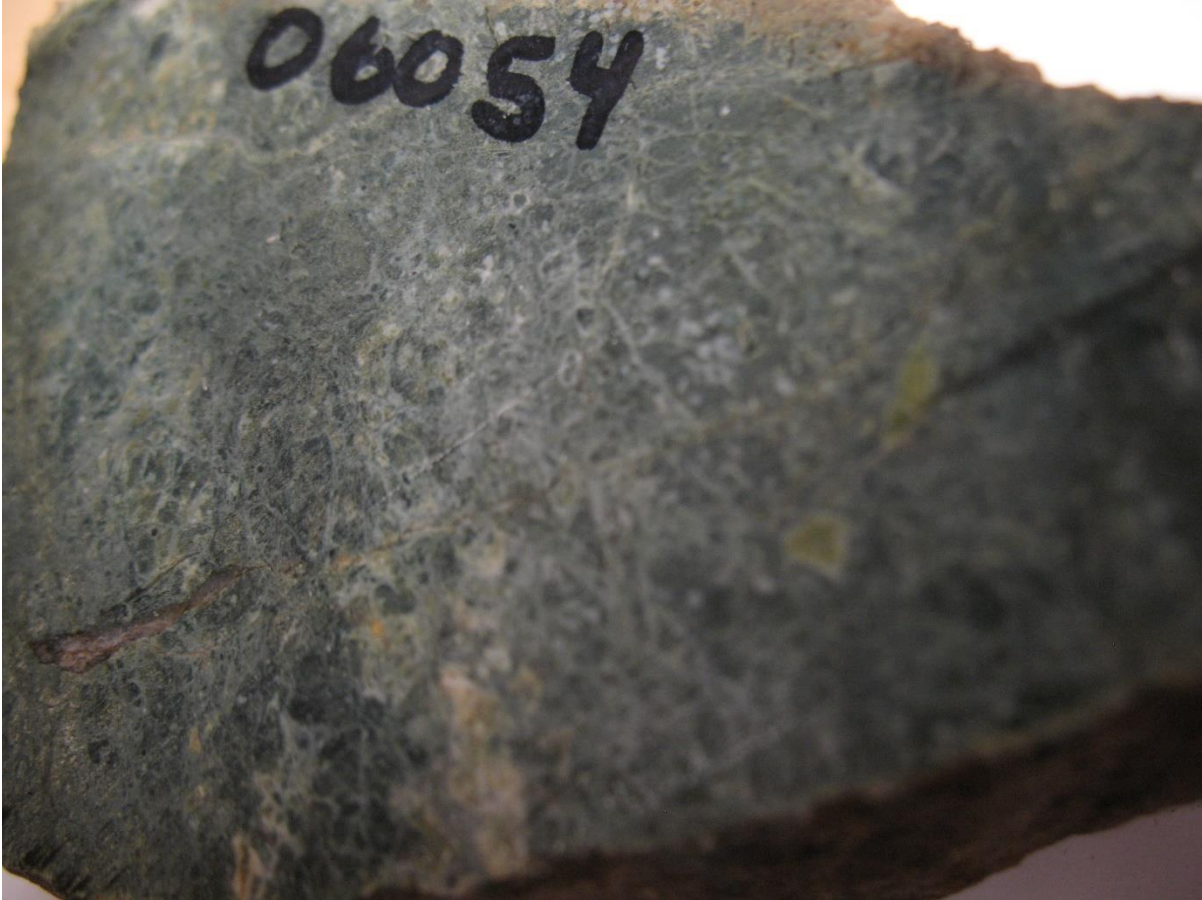


**Figure 4: Sample 06053**

**Sample 06054**

**NAD 83 - Zone 17N  
601358E 5369142N**

This sample was collected in a clear cut. This sample represents a fine grained mafic volcanic.



**Figure 5: Sample 06054**

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**Sample 06055**

**NAD 83 - Zone 17N  
602051E 5370714N**

This outcrop was located in a stand of Jack Pine. This sample represents a mafic volcanic.



**Figure 6: Sample 06055**

Similar outcrops were noted at  
601724E 5370819N  
601632E 5370773N  
601467E 5370656N

During a traverse between claims a drill casing was encountered off property at 17 U 601972E 5370163N.

---

### 3.2 DAY-2 – NOVEMBER 13, 2015

#### Sample 06056

NAD 83 - Zone 17N  
601404E 5370530N

This outcrop was located in a stand of Jack Pine. This sample represents a coarse grained mafic volcanic.



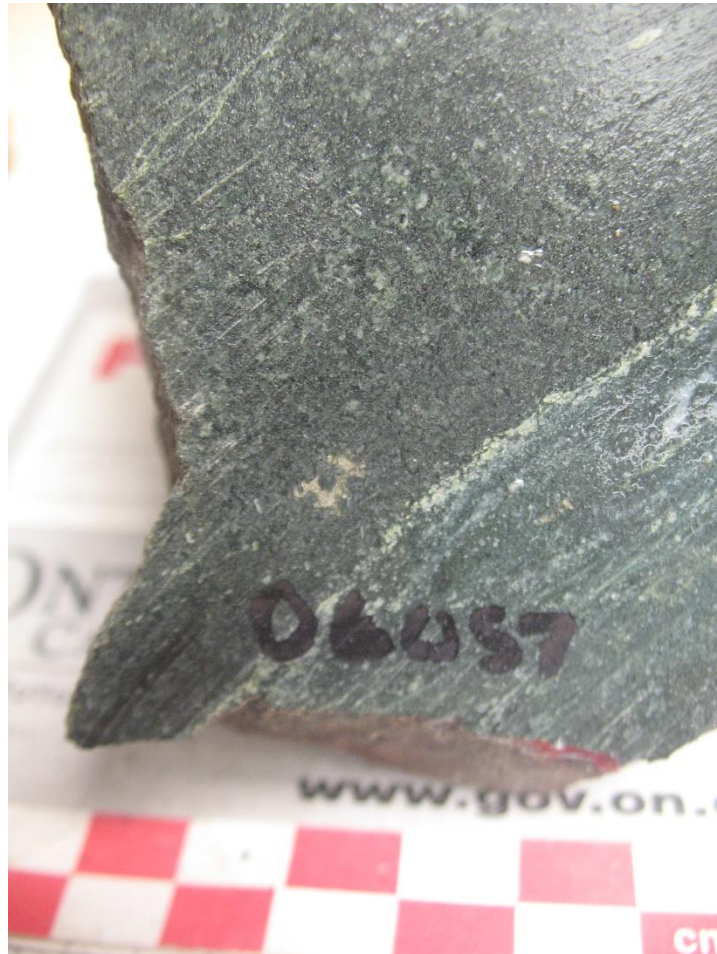
**Figure 7: Sample 06056**

Similar outcrops were located at  
601589E 5370872N  
601525E 5370877N  
601235E 5371059N

**Sample 06057**

**NAD 83 - Zone 17N  
601138E 5372004N**

This sample was collected from an outcrop in a clear cut. This sample exhibits some bedding and represents a mafic tuff.



**Figure 8: Sample 06057**

Similar outcrops were located at

601176E 5372113N

600822E 5372118N

600875E 5372000N

600941E 5371912N

601033E 5371863N

600071E 5371365N

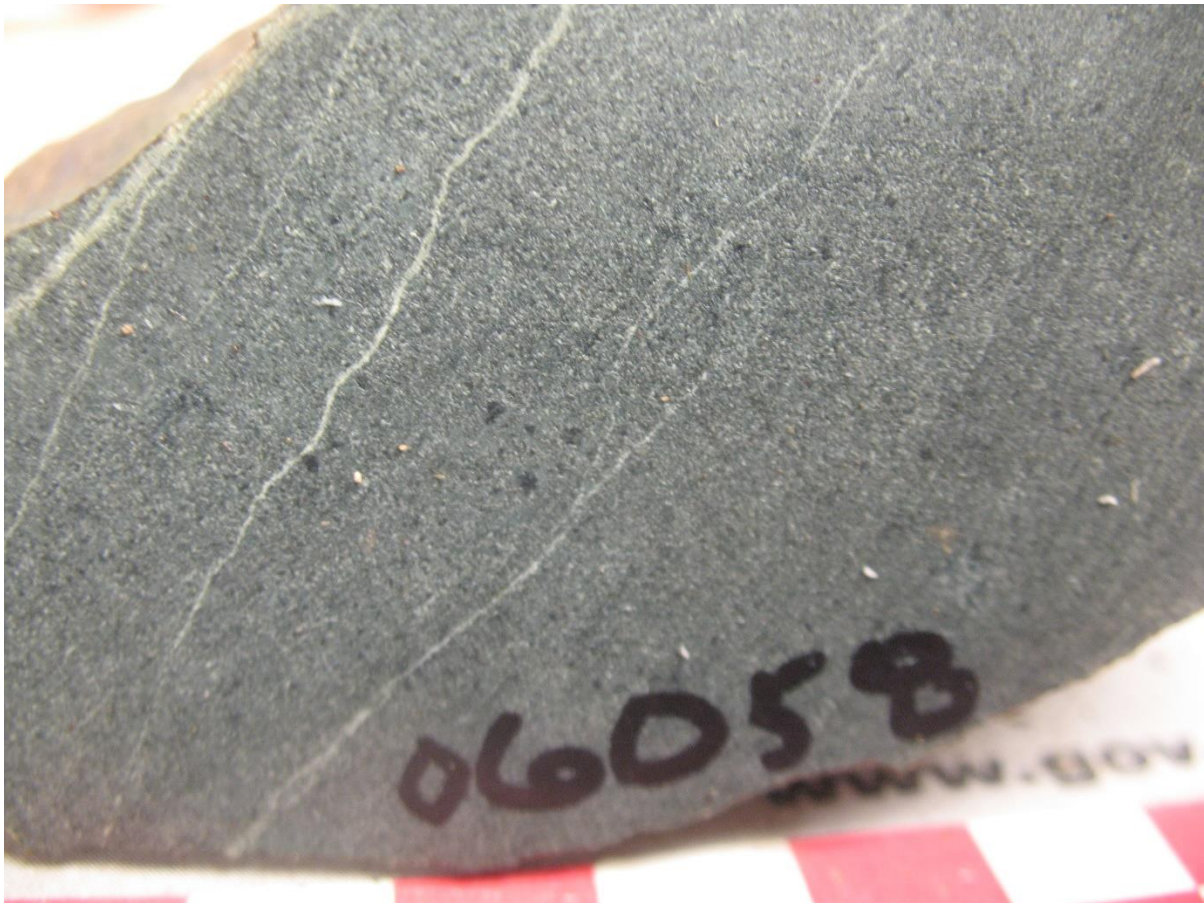
599907E 5371486N



**Sample 06058**

**NAD 83 - Zone 17N  
589995E 5363854N**

This sample was collected from an outcrop in a clear cut. This sample represents a tuff.

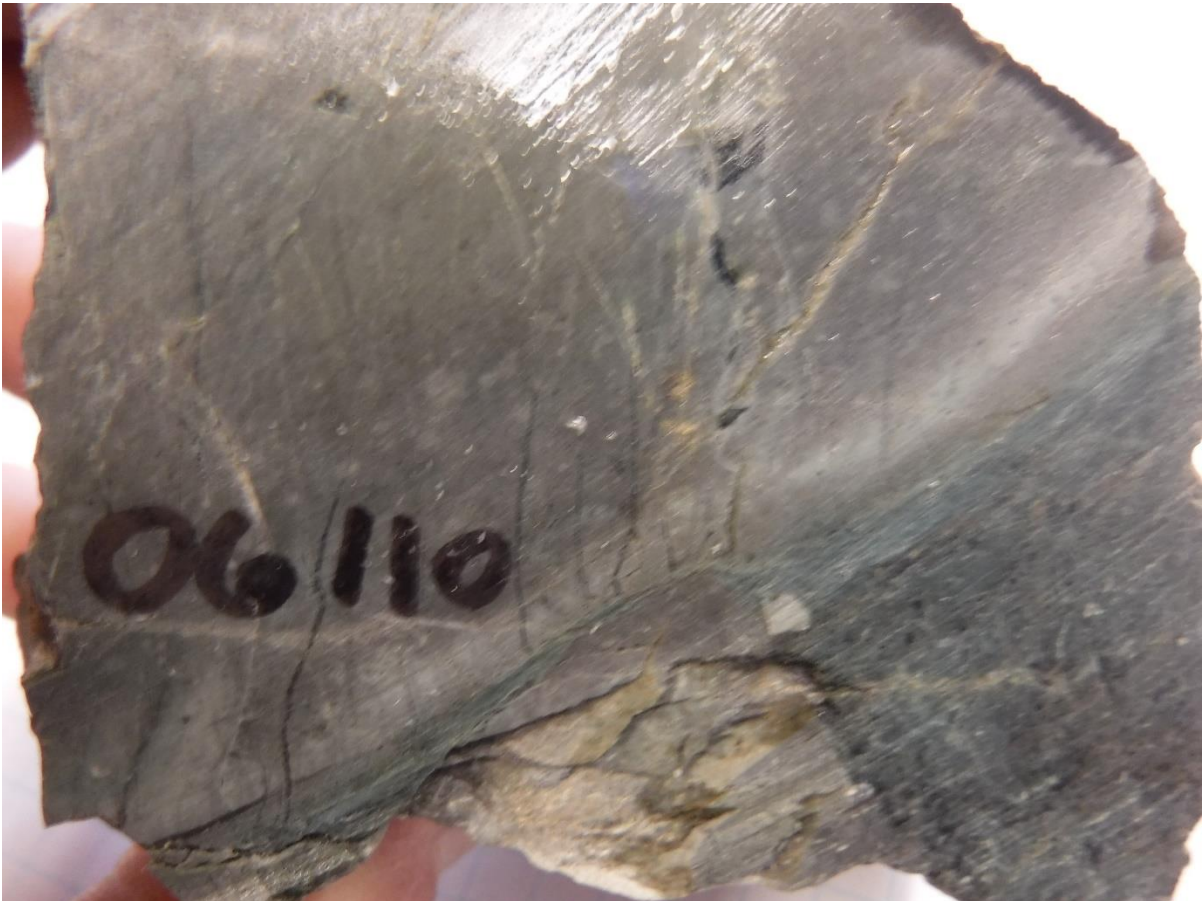


**Figure 9: Sample 06058**

**Sample 06110**

**NAD 83 - Zone 17N  
599367E 5372639N**

This sample was collected from an outcrop in a small spruce and birch stand. This a fine grained volcanic.



**Figure 10: Sample 06110**

**Sample 06111**

**NAD 83 - Zone 17N  
599368E 5372630N**

This sample was collected from an outcrop in a small spruce and birch stand. This a fine grained volcanic.

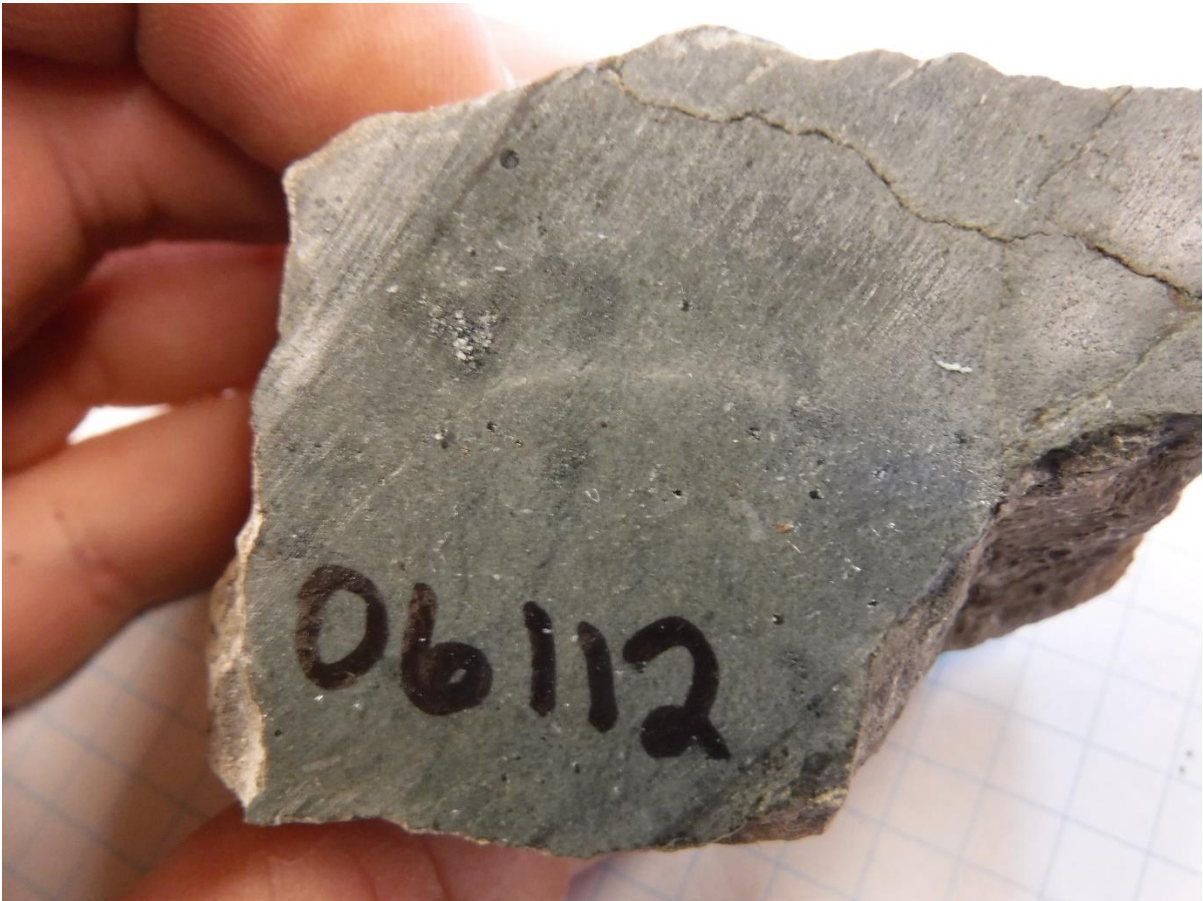


**Figure 11: Sample 06111**

**Sample 06112**

**NAD 83 - Zone 17N  
599504E 5371976N**

This sample was collected from an outcrop in a small spruce and birch stand. This a fine grained volcanic, minor chlorite spotting.



**Figure 12: Sample 06112**

**Sample 06113**

**NAD 83 - Zone 17N  
599532E 5371803N**

This sample was collected from an outcrop in a small spruce and birch stand. This a fine grained volcanic, strong chlorite spotting 1-2mm in size.



**Figure 13: Sample 06113**

**Sample 06114****NAD 83 - Zone 17N  
599902E 5371661N**

This sample was collected from an outcrop in a clear cut. This a fine grained volcanic. Within this rock is numerous 1mm garnets with calcite hallows. Chalcopyrite is present within the hallows.



**Figure 14: Sample 06114**

**Sample 06115**

**NAD 83 - Zone 17N  
600228E 5372075N**

This sample was collected from an outcrop in a small spruce and birch stand. This a coarse grained volcanic with calcite <.5mm spotting.

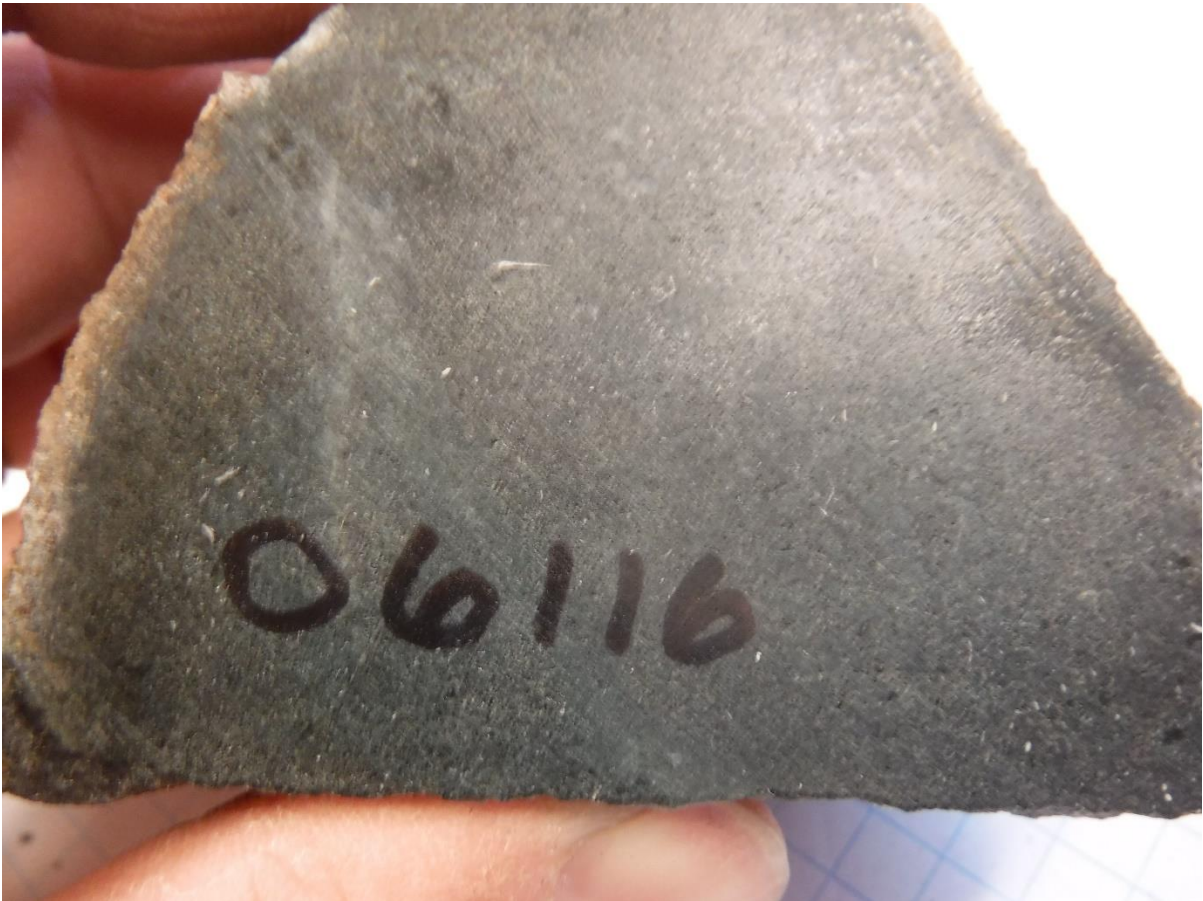


**Figure 15: Sample 06115**

**Sample 06116**

**NAD 83 - Zone 17N  
600546E 5373746N**

This sample was collected from an outcrop in an area of mixed forest. This a coarse grained volcanic.



**Figure 16: Sample 06116**



**Sample 06117**

**NAD 83 - Zone 17N  
600661E 5373806N**

This sample was collected from an outcrop in an area of mixed forest. This is a coarse grained volcanic. Some quartz alteration is present within the sample.

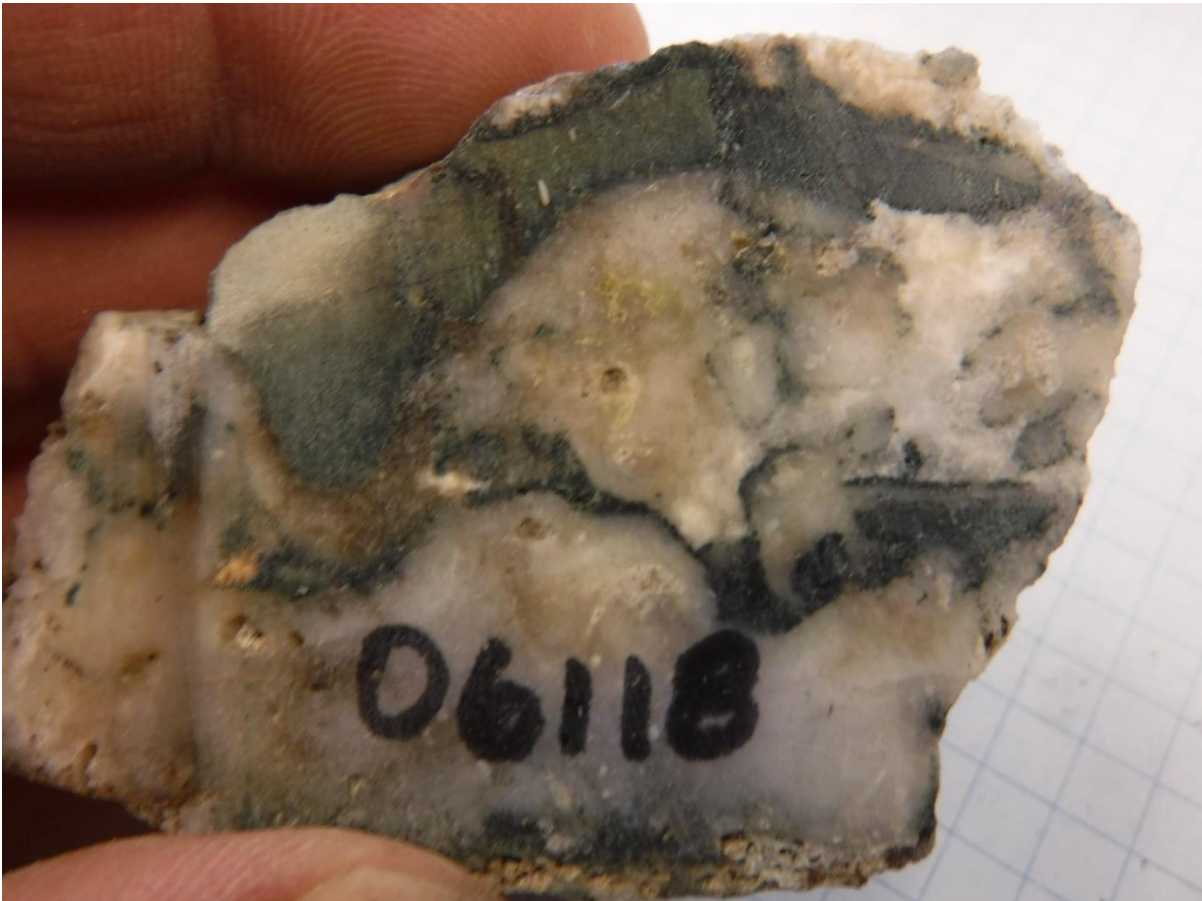


**Figure 17: Sample 06117**

**Sample 06118**

**NAD 83 - Zone 17N  
600773E 5373618N**

This sample was collected from an outcrop in an area of mixed forest. This is a coarse grained volcanic. Strong quartz alteration is present within the sample.



**Figure 18: Sample 06118**

**Sample 06119**

**NAD 83 - Zone 17N  
601071E 5373373N**

This sample was collected from an outcrop in an area of mixed forest This a coarse grained volcanic.



**Figure 19: Sample 06119**

**Sample 06120**

**NAD 83 - Zone 17N  
601212E 5373003N**

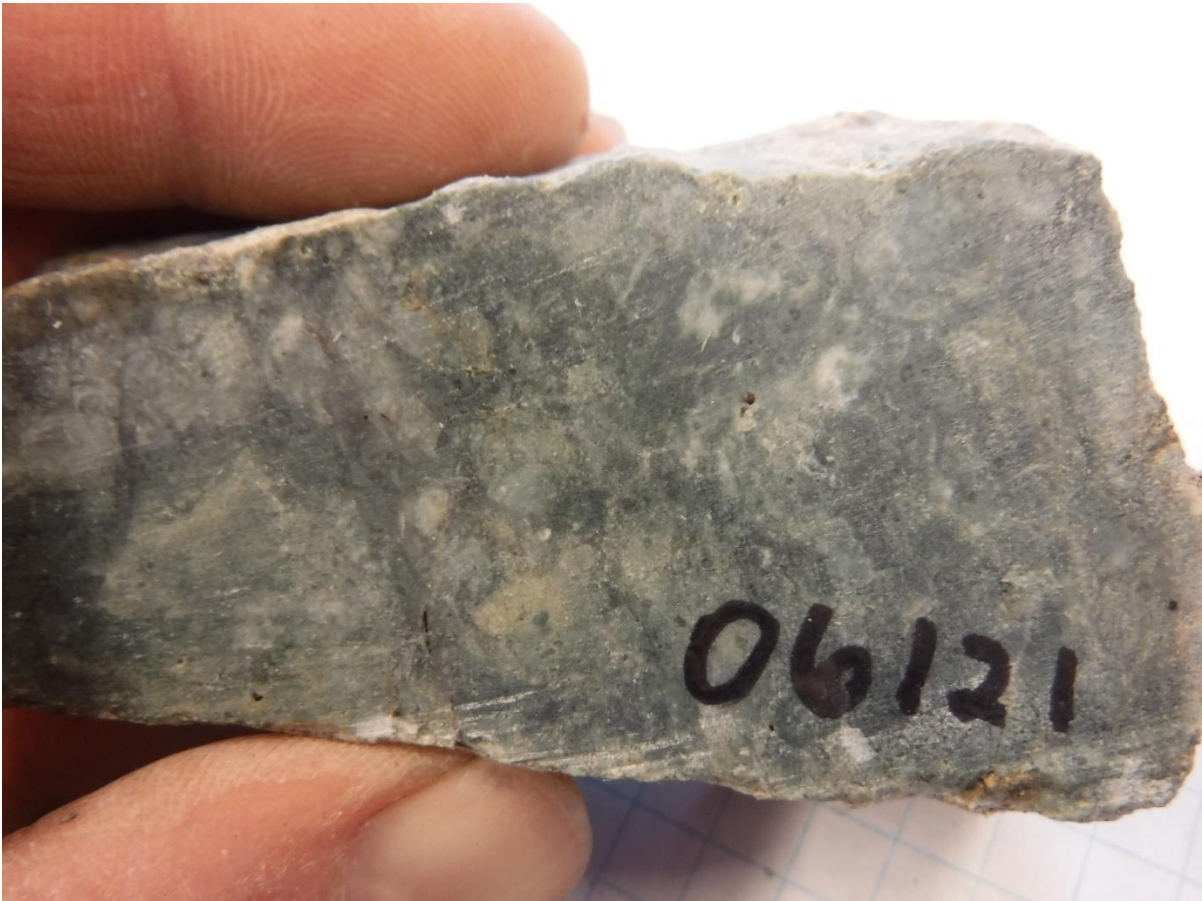
This sample was collected from an outcrop in a predominantly spruce covered area. This sample represents a coarse grained volcanic.



**Figure 20: Sample 06120**

**Sample 06121****NAD 83 - Zone 17N  
601219E 5372677N**

This sample was collected from an outcrop in a mixed tree area. This sample represents an area of strong quartz/calcite alteration. No mineralization was observed.



**Figure 21: Sample 06121**

**Sample 06122**

**NAD 83 - Zone 17N  
601332E 5372621N**

This sample was collected from an outcrop in a mixed tree area. This sample represents a coarse grained volcanic.



**Figure 22: Sample 06122**

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## APPENDIX A

### STATEMENT OF QUALIFICATIONS

I, C. Jason Ploeger, hereby 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 degree 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 an interest in the properties and securities of **Tiger Gold Exploration Corporation.**
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 made 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 29, 2017

**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
<b>Maps &amp; Memory:</b>	
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

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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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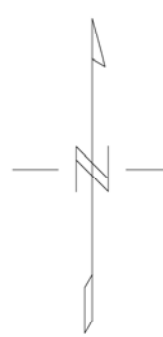
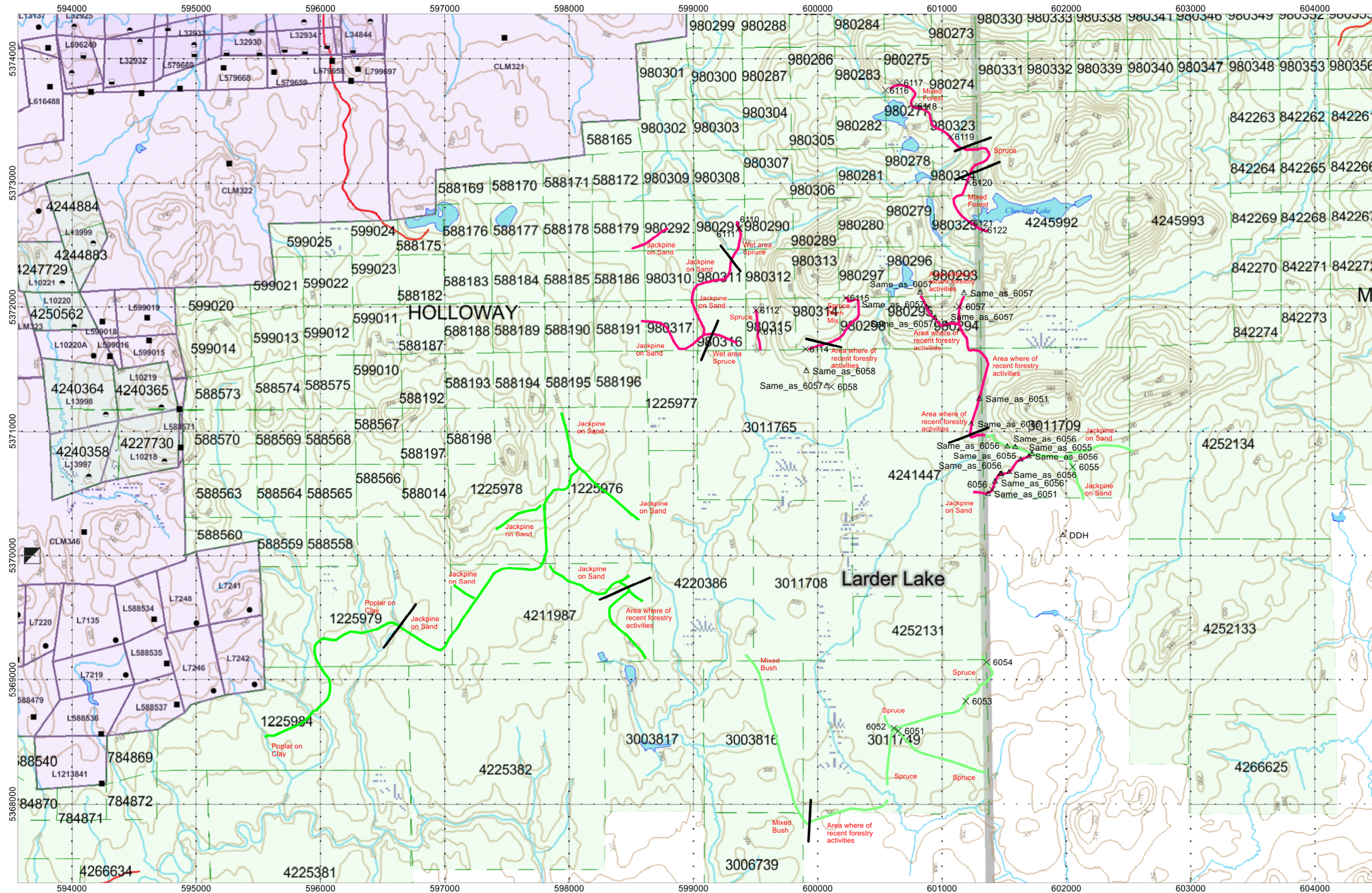
**APPENDIX C**

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

Posted Traverse plan maps (1:20000)

- 1) TIGER-HARKER HERITAGE-AREA 11-PROSPECTING

**TOTAL MAPS = 1**

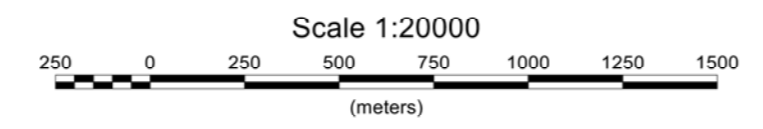


- November 12, 2015
- November 13, 2015
- × Sample Taken
- △ Feature Noted
- Change in Foliage
- Jackpine on Sand Foliage and Soil Notation

**TIGER GOLD  
EXPLORATION CORPORATION**

**HARKER HERITAGE PROPERTY  
Area 11  
Holloway and Marriott Townships, Ontario**

PROSPECTING TRAVERSES



Traversed By: Bill Bonney and David LaRocque  
 Processed by: C Jason Ploeger, B.Sc.  
 Map Drawn By: C Jason Ploeger, B.Sc.  
 June 2017  
 Drawing: Q2154-TIGER-HARKER HERITAGE-AREA-11-PROSP