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Abstract

The Cooper Lake Property was prospected to locate the historic AMIS/MDI site and to traverse the area surrounding this location. A two man crew spent a day prospecting the Cooper Lake Property. The AMIS site was located and traverses of the surrounding area was performed. Some well mineralized outcrops were located during the traverse.

Jason Ploeger and Anthony Ploeger

Cooper Lake Property
Grass Roots Prospecting Program

C Jason Ploeger, P.Ge.
November 16, 2021

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Prospecting
Cooper Lake Property
South Lorrain and Eldridge Townships
Ontario

Jason Ploeger
Anthony Ploeger

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1.0 SURVEY DETAILS

1.1 PROJECT NAME

This project is known as the **Cooper Lake Property**.

1.2 CLIENT

Jason Ploeger and Anthony Ploeger

15 MacDonald St.
Larder Lake, Ontario
P0K1L0

1.3 LOCATION

The Cooper Lake Property is located in South Lorrain and Eldridge Townships approximately 20 km east of Temagami, Ontario. The property covers six cell claims located within both the Larder Lake and Sudbury Mining Divisions of Ontario. The prospecting area covers a portion of cell claim 564551.

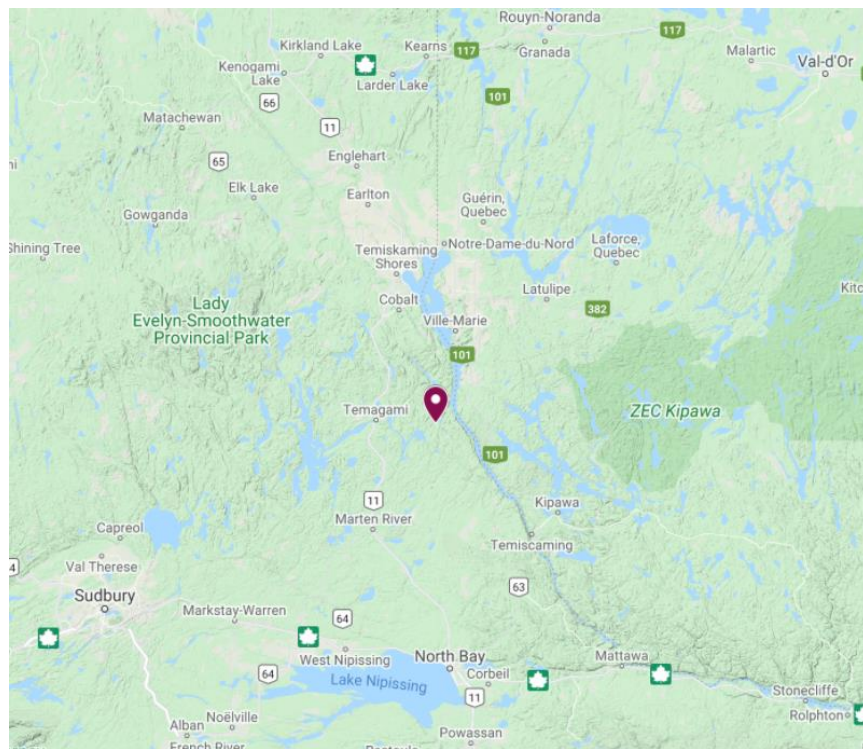


Figure 1: Location of the Cooper Lake Property

1.4 ACCESS

Access to the property was attained with a 4x4 truck by traveling south from Temagami, Ontario on highway 11 for approximately 19km. The Rabbit Lake Road is taken east for approximately 28km. At this point an ATV was used for the remaining 9km to the property.

1.5 OWNERSHIP

Claim Number	Cell ID	Holder
564551	31M04A116	Jason Ploeger and Anthony Ploeger
595427	31M04A117	Jason Ploeger and Anthony Ploeger
595429	31M04A157	Jason Ploeger and Anthony Ploeger
595430	31M04A156	Jason Ploeger and Anthony Ploeger
595431	31M04A137	Jason Ploeger and Anthony Ploeger
595432	31M04A136	Jason Ploeger and Anthony Ploeger

Table 1: Cell Claims and Claim Holder

1.6 COORDINATES

All coordinates are in NAD 83, Zone 17N.

2.0 SURVEY WORK UNDERTAKEN

2.1 SURVEY LOG

Date	Description
September 12, 2021	Mobilize from Larder Lake. Locate property and perform traverse and Demobilize to Larder Lake

Table 2: Prospecting Log

2.2 PERSONNEL

Jason Ploeger and Anthony Ploeger both of Larder Lake, Ontario performed the prospecting traverse.

2.3 TRAVERSE SPECIFICATIONS AND PURPOSE

The purpose of the prospecting traverse was

- a) Determine access and possible access issues
- b) Locate the historic AMIS/MDI site and prospect the area surrounding site.

This meant that no set traverses were planned and that it was randomly generated in the field. The approximate location of the MDI was entered into the GPS to help in locating the MDI/AMIS site.

2.4 PLANS & PERMITS

The prospecting work reported on here was surficial and did not require any plans or permits.

3.0 OVERVIEW OF SURVEY RESULTS

3.1 SUMMARY OF TRAVERSE ON SEPTEMBER 12TH, 2021

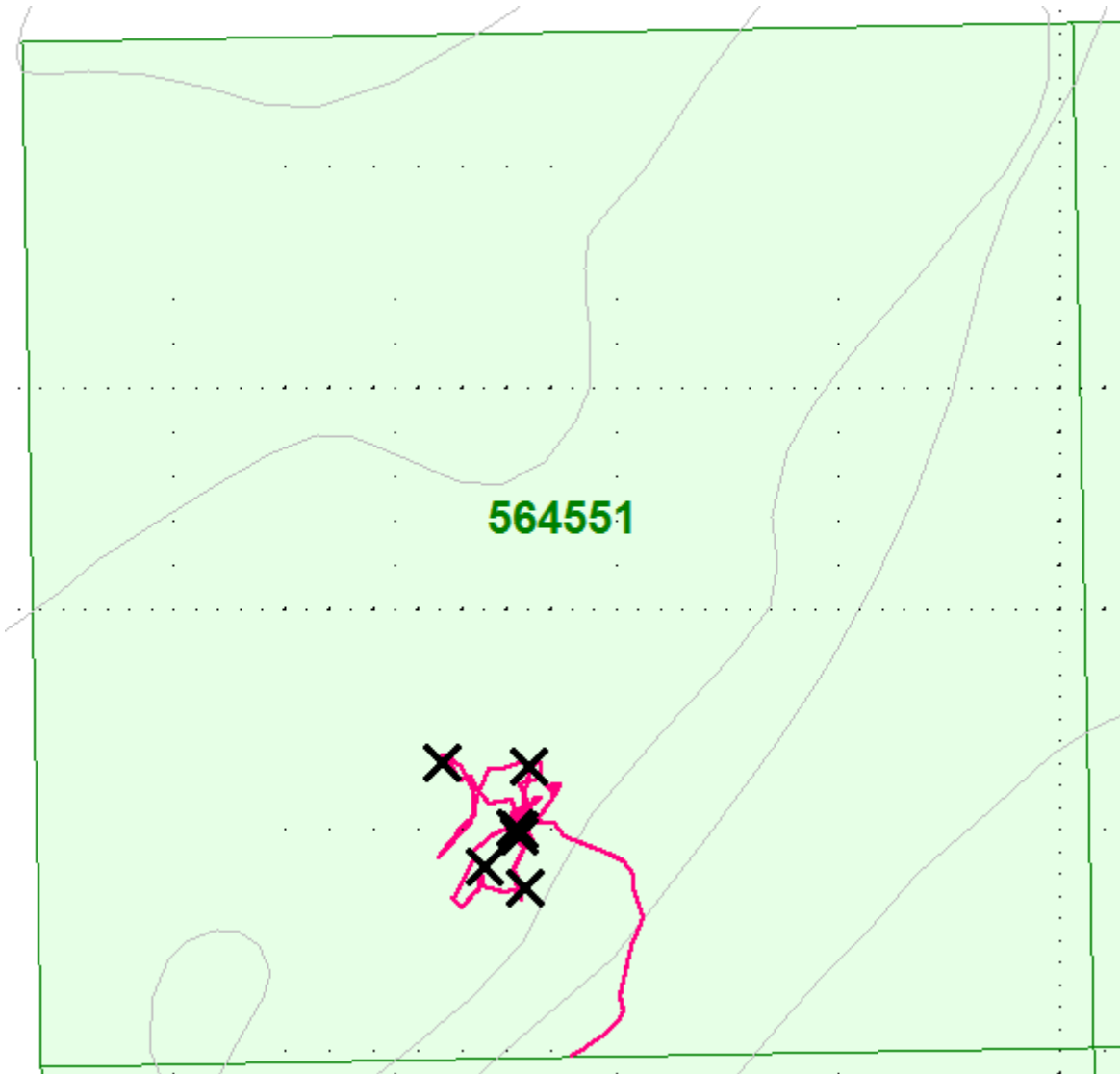


Figure 2: Prospecting traverse

The historic AMIS site was located at coordinates 611753E 5212803N. This site consisted of a boiler with steam engine along with a partially covered shaft. The shaft was covered with 2 steel plates that had a 1 foot gap between them. If it was not for the muck pile, it would have been difficult to see.



Figure 3: Boiler with Steam Engine



Figure 4: Partially Covered Shaft

The muck pile was examined for evidence of silver and cobalt but no obvious evidence was located.



Figure 5: Sulphide rich outcrop located

Sample J097657

Rock Description:

- Altered gabbro
- Heavy rust on seams
- Non-magnetic sulphides
- Taken from muck pile

Location:

611756E

5212798N



Figure 6: Cross Section of Sample J097657

Sample J097658

Rock Description:

- Calcite vein
- No mineralization
- Taken from muck pile

Location:

611756E

5212800N



Figure 7: Cross Section of Sample J097658

Sample J097659

Rock Description:

- Altered gabbro
- Heavy magnetic sulphides

Location:

611740E

5212784N



Figure 8: Cross Section of Sample J097659

Sample J097660

Rock Description:

- Gabbro
- Non magnetic
- Minor sulphide mineralization
- Heavy rust on seams

Location:

611758E

5212774N



Figure 9: Cross Section of Sample J097660

Sample J097661

Rock Description:

- Altered gabbro
- Taken from muck pile

Location:

611754E

5212801N



Figure 10: Cross Section of Sample J097661

Sample J097662

Rock Description:

- Altered volcanic
- Non-magnetic sulphides

Location:

611760E

5212829N



Figure 11: Cross Section of Sample J097662

Sample J097663

Rock Description:

- Altered gabbro
- Heavy magnetic sulphides

Location:

611721E

5212831N



Figure 12: Cross Section of Sample J097663

3.3 RECOMMENDATIONS

A historical IP survey was performed in the area. This survey should be revisited and targets generated for further prospecting, especially with the mineralization located in some of the outcrops.

The samples collected should be sent for assay.

The metal sheets covering the AMIS site have created a potential hazard. The area is scheduled to be logged in the 2021-2022 harvest plan, which should improve the access to the site. The MNDM should be consulted on a strategy for this AMIS site.

3.4 CONCLUSIONS

The prospecting was successful in accomplishing the first pass objectives. The historic AMIS site was successfully located. No obvious silver or cobalt mineralization was observed, however heavy mineralized outcrops were located.

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 am responsible for the field work, 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.



Larder Lake, ON
November 16, 2021

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
Features & Benefits:	
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

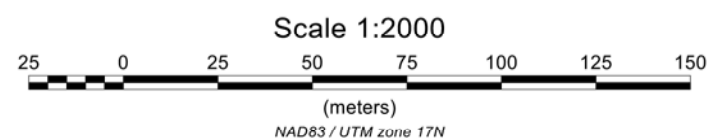
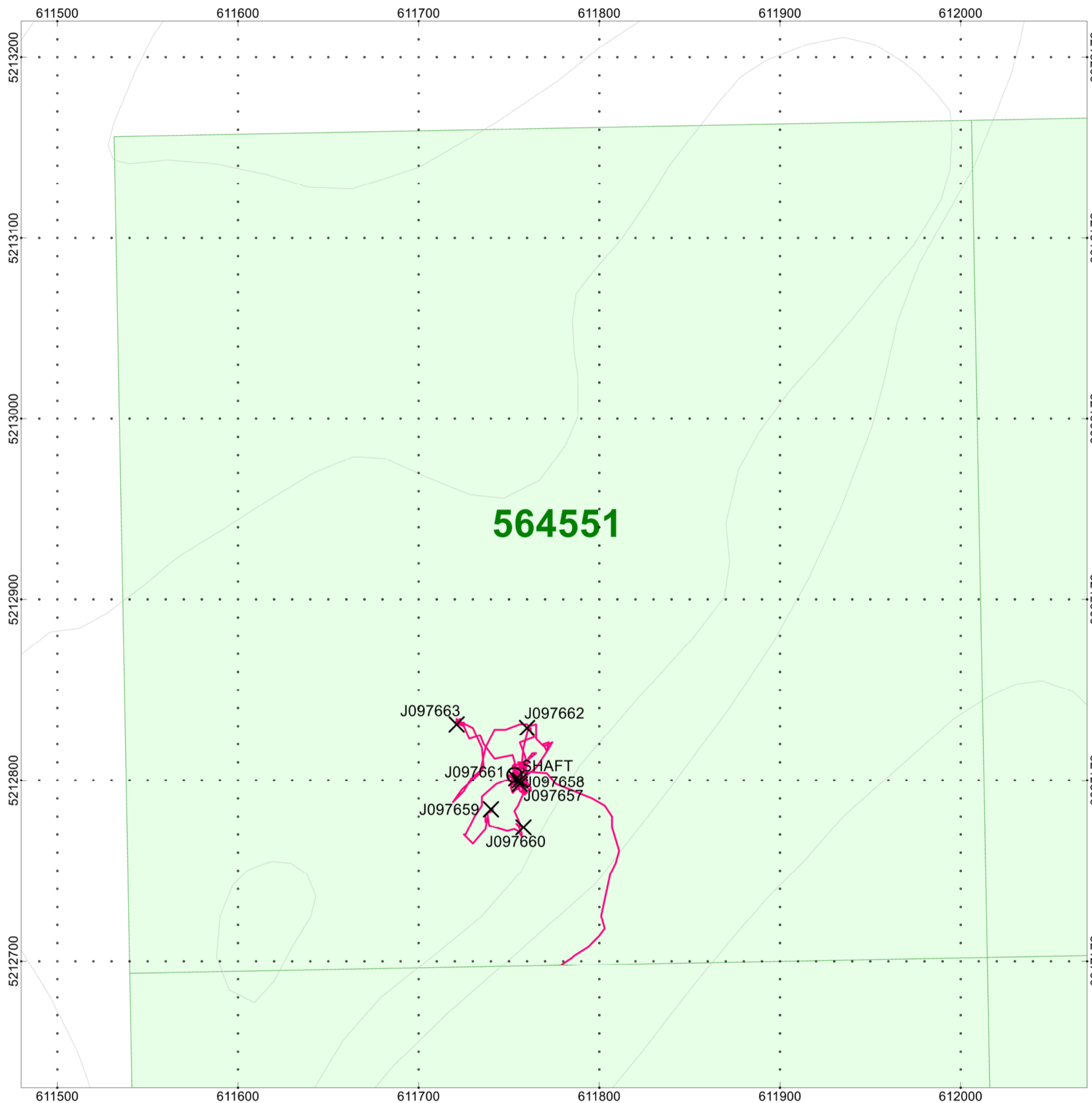
- *Specifications obtained from www.garmin.com*

APPENDIX C

LIST OF MAPS (IN MAP POCKET)

1) Ploeger-CooperLake (1:2000)

Total Maps = 1



Jason Ploeger and Anthony Ploeger	
Cooper Lake Project South Lorrain and Eldridge Townships, Ontario	
Prospecting Traverse Plan Map Notes and Observations	
Traverses By: Jason Ploeger and Anthony Ploeger Processed by: C Jason Ploeger, P.Geo. Map Drawn By: C Jason Ploeger, P.Geo. November 2021	
<i>Drawing: Ploeger-CooperLake2021</i>	