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**LOVELAND PROPERTY**  
**March 2022 Prospecting Report**  
**Claim 587809**

**Loveland Township**  
**Porcupine Mining Division**  
**Ontario, Canada**

April 19, 2022

By: M. Gaudreau

For: Fudge & Associates

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## Summary

The Loveland Property (Property) consist of multi-cell claim 587809 and cell claim 659153. Multi-cell claim 587809 was staked on May 9, 2020. The claim requires \$1,600.00 annually to keep it in good standing. The due date of the claim is May 9, 2022. The claim is recorded 100% in the name of Don Fudge. This report details the field work completed by prospectors M. Gaudreau (Client Number 408864) and Ray Meikle (Client Number 169545) who were retained by D. Fudge to carry out prospecting on claim 587809. The prospecting focused on determining the best access route and to locate, document and sample any outcroppings.

Ray Meikle departed North Bay on March 26, 2022, trailering a snowmachine. He travelled to Hanmer and picked up M. Gaudreau, bought groceries in Chelmsford and then proceeded to Timmins, via the 144 Highway. They arrived later in the day and checked into the Bon Air Motel. There were not sufficient daylight hours remaining in the day to effectively access and prospect claim 587809.

The following morning was -20°C, the prospectors fueled up the truck and snow machine and drove to the claim taking the Kamiskotia Road to coordinate NAD83 Zone 17 452380E, 5390230N. Surprisingly the road was plowed, and they continued west bound for approximately 3.7 kilometres and parked the truck at coordinate 448782E, 5389630N. They offloaded the snowmachine and traveled into the claim on a preplanned route visible on Google Earth. Due to the cold weather the snowmachine, for the most part, did not break through the hard crust. The prospectors had documented in advance, on a field map the location of mining claim 587809 relevant to the boundary of mining lease LEA-107503 issued to Moneta Gold Inc. (171667). It was important to focus the prospecting within claim 538963. On route a portion of the claim an ~30m wide interval of the claim was visually checked before entering the mining lease. No outcrop was observed across the 30m interval centred on coordinate 447985E, 5390398N. The prospectors continued to the claim and prospected an approximate 376m interval utilizing the forest access road. They entered the claim northwest boundary at approximate coordinate (see ACTIVE LOG 138 001) 447522E, 5391278N. The deep snow blanketed the ground for as far as could be seen and no outcrops were observed until they exited the mining lease at location 447220E, 5311516N. They continued northbound approximately 800m further where they observed some granite outcrop at coordinate 447139E, 5391684N and turned around and returned to the mining lease boundary and into the claim. A sample of granite float was taken just within the claim boundary. The float sample is the same granite outcrop observed northwest of the claim line. The float granite unit also matches the geology mapped by the Ontario Geologic Survey maps P0025 as an undifferentiated granite, including maps P0839 and P0839-(Rev) as a granite, granodiorite, quartz monzonite, trondhjemite and quartz diorite including maps M2288 and P0696. During the site visit no outcrop was observed and that the area had been clear cut over by forest operations leaving very few trees. Trees that remaining included poplar, low scruff and small spruce and birch. A second site visit is planned in the summer of 2022.

## Location & Access

The Property is situated on the west and central boundary of Loveland Township. Approximately 35 kilometers northwest of Timmins, Ontario, Canada within the Porcupine Mining Division. The Property is centered at UTM NAD83, Zone 17 447777E, 5190501N. The claim is best accessed in the winter months by snow mobile or ARGO. If there are active forest operations the haul road might be plowed. Take the Kamiskotia Road to coordinate NAD83 Zone 17 452380E, 5390230N and turn west. Continue west bound for approximately 3.7 kilometres and parked the truck at coordinate 448782E, 5389630N. During the summer, from this location it is assumed the claim can be accessed by ATV, 4-wheel drive, ARGO or similar motorized vehicles. There are no water crossings.



Figure 1 Loveland Property Ontario Location Map

## Ownership and Claim Status

The Loveland Property (Property) consist of multi-cell claim 587809 and cell claim 659153. Multi-cell claim 587809 was staked on May 9, 2020. The claim requires \$1,600.00 annually to keep it in good standing. The due date of the claim is May 9, 2022. The claim is recorded 100% in the name of Don Fudge. Prospecting was carried out only on claim 587809.

## Exploration Plan, Permit & First Nations

There is currently no active Exploration Plan or Exploration Permit on the Property. The First Nations with land claims that the Property lies within had not been notified prior to the prospecting as it was not applicable at this stage of work.

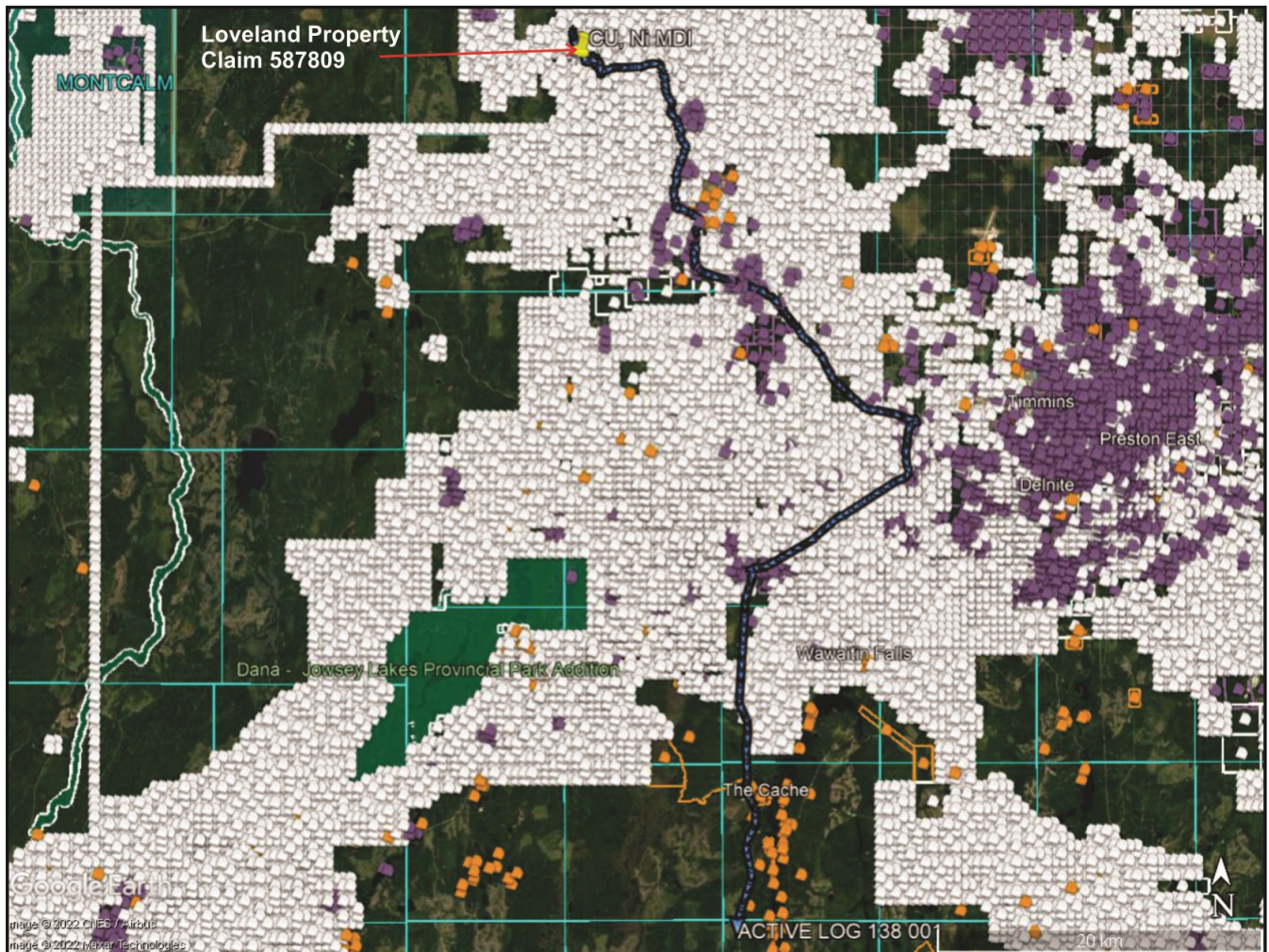
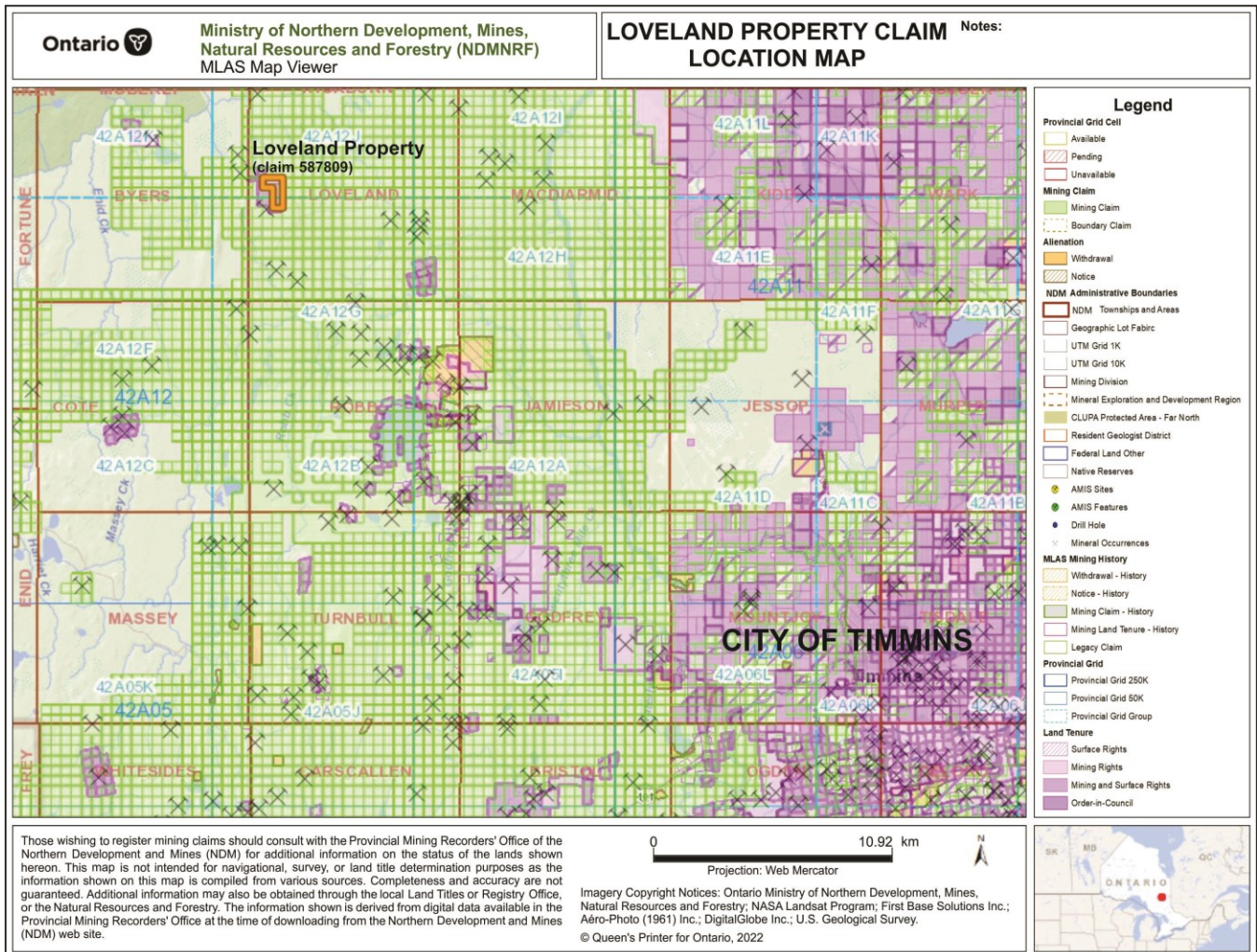


Figure 2 Loveland Property Regional Claim Location



Property Claim Location Map

## Accessibility and Infrastructure

The Property is easily accessible year-round by motor vehicles. The access route may or may not be plowed during the winter season depending on if there are active forestry activities, however the Property can still be accessed in the winter by snowmobile or ARGO. The Property is approximately 35 km northwest of the city of Timmins that has a population of approximately 42,000. Timmins has all the requirements to support a prospecting field crew including food and accommodations. Timmins is a mining-friendly city with a long mining history and home to personnel with the skills to work in the mining industry. Water and power are abundant in the region and the property contains trails/roads which could be upgraded to all-weather status if necessary. Suitable locations for constructing mineral processing facilities are abundant on the property.

## Regional Climate

In Timmins, the summers are long, comfortable, and partly cloudy and the winters are frigid, snowy, and overcast. Over the course of the year, the temperature typically varies from -21° C to 24° C and is rarely below -33° C or above 29° C.

The warm season lasts for 4.0 months, from May 17 to September 16, with an average daily high temperature above 17° C. The hottest month of the year in Timmins is July, with an average high of 24° C and low of 12° C.

The cold season lasts for 3.0 months, from December 2 to March 4, with an average daily high temperature below -4° C. The coldest month of the year in Timmins is January, with an average low of -21° C and high of -10° C.

## Historical Work

The Property (claim 587809) is abutting Mining Lease LEA-107503. The Mining Lease has been actively explored since the 60's, first by Conwest Exploration Company Limited who was primarily focused on the commodities; copper, nickel and cobalt, secondary commodities include gold and platinum. Several large sized mineralized boulders were discovered down ice from the main deposit fueling the search for the source. In 1975 Moneta Porcupine published an annual report indicating a reserve of 422,350 tons (non NI43-101) called the Hollinger Zone. The Hollinger Zone is most likely the source of the boulders. Claim 587809 abuts claim 659153 across the Mining Lease were MDI42A12NE00028 is located.

## Geology

### Regional Geology

The Timmins is one of nine major volcanic centers of the Abitibi greenstone belt defined by Goodwin and Ridler (1970). The structural complexity and poor exposure of the Timmins district have made comprehensive stratigraphic syntheses difficult. Instead, the district has been divided into a number of "tectonic assemblages" (Jackson and Fyon, 1992), which are constantly being revised. These divisions are made on the basis of similarities in stratigraphy, lithochemistry, age dates and aeromagnetic and airborne EM signatures. Relationships between different tectonic assemblages are typically not well known. Fyon et al. (1992) identified the Kidd-Munro, Kamiskotia (now thought to be part of the Tisdale assemblage; Hall and Smith, 2002) and to a lesser extent the Bowman as being the assemblages most prospective for VMS exploration in the Timmins District. This is based on the occurrence of high silica, FIII type rhyolite combined with basalt ± komatiite (i.e. bimodal assemblages). These assemblages also host the known VMS deposits and major showings in the district. Four deposits have been mined from the Kamiskotia assemblage: i) Kam-Kotia, which produced approximately 6.0 Mt @ 1.09% Cu, 1.03% Zn and 3.5 g/t Ag; ii) Canadian Jamieson (826,400 t @ 2.3% Cu and 3.5% Zn); iii) Jameland (461,800 t @ 0.99% Cu, 0.88% Zn and 3.5



g/t Ag); and iv) Genex, which produced 242 tonnes of concentrate containing 21 to 27% Cu (Binney and Barrie, 1991). The giant Kidd Creek deposit (181 Mt @ 2.9% Cu, 6.4% Zn, 92 g/t Ag; Galley et al., 2007) occurs in the Kidd-Munro assemblage.

## **Property Geology**

Middleton's (1974) map of Loveland Township indicates a lack of outcrops on the Property, but there are several outcrops flanking the Property in the north claims and in the Mining Lease in the south. Mafic and felsic volcanics as well as a felsic intrusive rock, were not seen but are interpreted to underlie the Property. The regional scale map produced by Ayer and Trowell (1998), shows that the volcanic rocks on the property belong to the same sequence that hosts the VMS deposits of the Kamiskotia area.

## **Prospecting**

### **Travel on March 26, 2022, site visit on March 27, 2022**

R. Meikle departed North Bay on March 26, 2022, trailering a snowmachine. He travelled to Hanmer and picked up M. Gaudreau. They picked up some groceries in Chemsford and they proceeded to Timmins, via the 144 Highway. They arrived later in the day and checked into the Bon Air Motel. There were not sufficient daylight hours remaining in the day to effectively access and prospect claim 587809.

The following morning was -20°C with blowing snow. The prospectors fueled up the truck and snow machine and drove to the claim taking the Kamiskotia Road to coordinate NAD83 Zone 17 452380E, 5390230N. Surprisingly the road was plowed, and they continued west bound for approximately 3.7 kilometres and parked the truck at coordinate 448782E, 5389630N. They offloaded the snowmachine and traveled into the claim on a preplanned route, the road visible on Google Earth. Due to the cold weather the snowmachine pull cord jammed and a bit of time was spent repairing it. The snowmobile, for the most part, broke through the hard crust but not more than 30 cm depth. The prospectors had documented in advance, on a field map the location of mining claim 587809 relevant to the boundary of mining lease LEA-107503 issued to Moneta Gold Inc. (171667). It was important to focus the prospecting within claim 538963. On route a portion of the claim an approximately 30m wide interval of the claim was visually checked before entering the mining lease. No outcrop was observed while crossing the 30m interval, centred at coordinate 447985E, 5390398N. The prospectors continued to the claim and prospected an approximate 376m interval utilizing the forest access road. They entered the claim northwest bound at approximate coordinate (see ACTIVE LOG 138 001) 447522E, 5391278N. The deep snow blanketed the area, they did not observe any outcrops (flat country) until they exited the mining lease at location 447220E, 5311516N. They continued northbound approximately 800m further northwest where they observed some granite outcrop at coordinate 447139E, 5391684N and turned the snowmobile around and returned to the mining lease boundary and into the claim. A sample of granite float was taken just within the

claim boundary. The float sample is the same granite outcrop observed northwest of the claim line. The granite float lithology matches the geology indicated on the Ontario Geologic Survey maps P0025 as an undifferentiated granite, including maps P0839 and P0839-(Rev) as a granite, granodiorite, quartz monzonite, trondhjemite and quartz diorite including maps M2288 and P0696.

During the site visit no outcrop was observed and since the area had been clear cut by forest operations there were very few mature trees. Most trees remaining include poplar, low scruff and small spruce and birch. A second site visit is planned in the summer of 2022 after the snow is melted and the access road dries out.



Figure 3 Intervals along roadway prospected

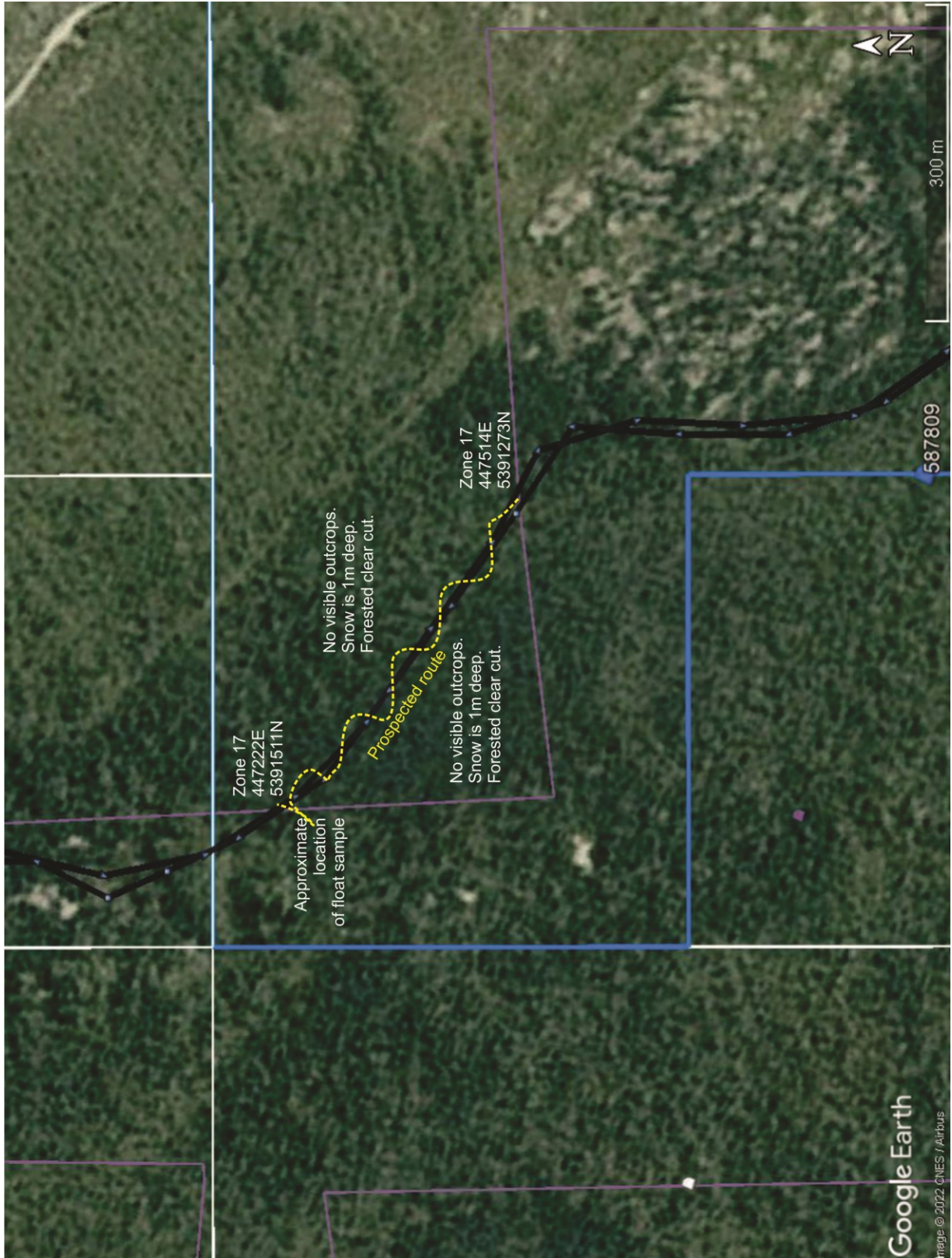


Figure 4 Prospecting the north boundary

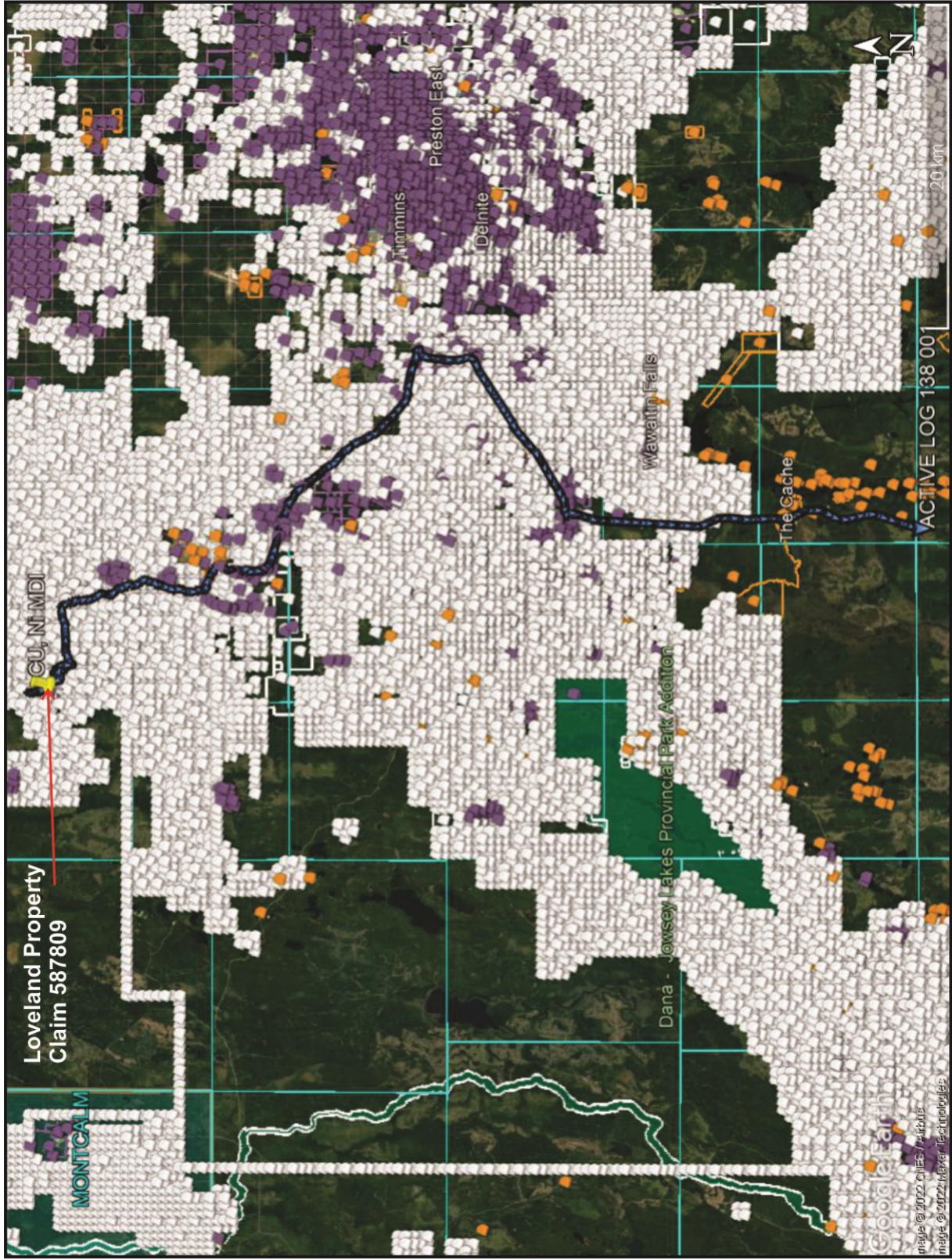


Figure 5 Loveland Property GPS track.



Figure 6 Loveland Property regional GPS track

## Conclusions & Recommendations

The Prospectors did not locate outcrop on the traverse, however, recommend a second site visit in the late spring. Additional prospecting should be completed by flagging the claim boundary and continue prospecting by following a 25-50m grid to locate any outcroppings. To date there are no known outcroppings within the claim area. Given that a portion of the presumed underlying volcanics represent virtually untested portions of Kamiskotia stratigraphy, the property merits further exploration for VMS deposits.

PHOTOS

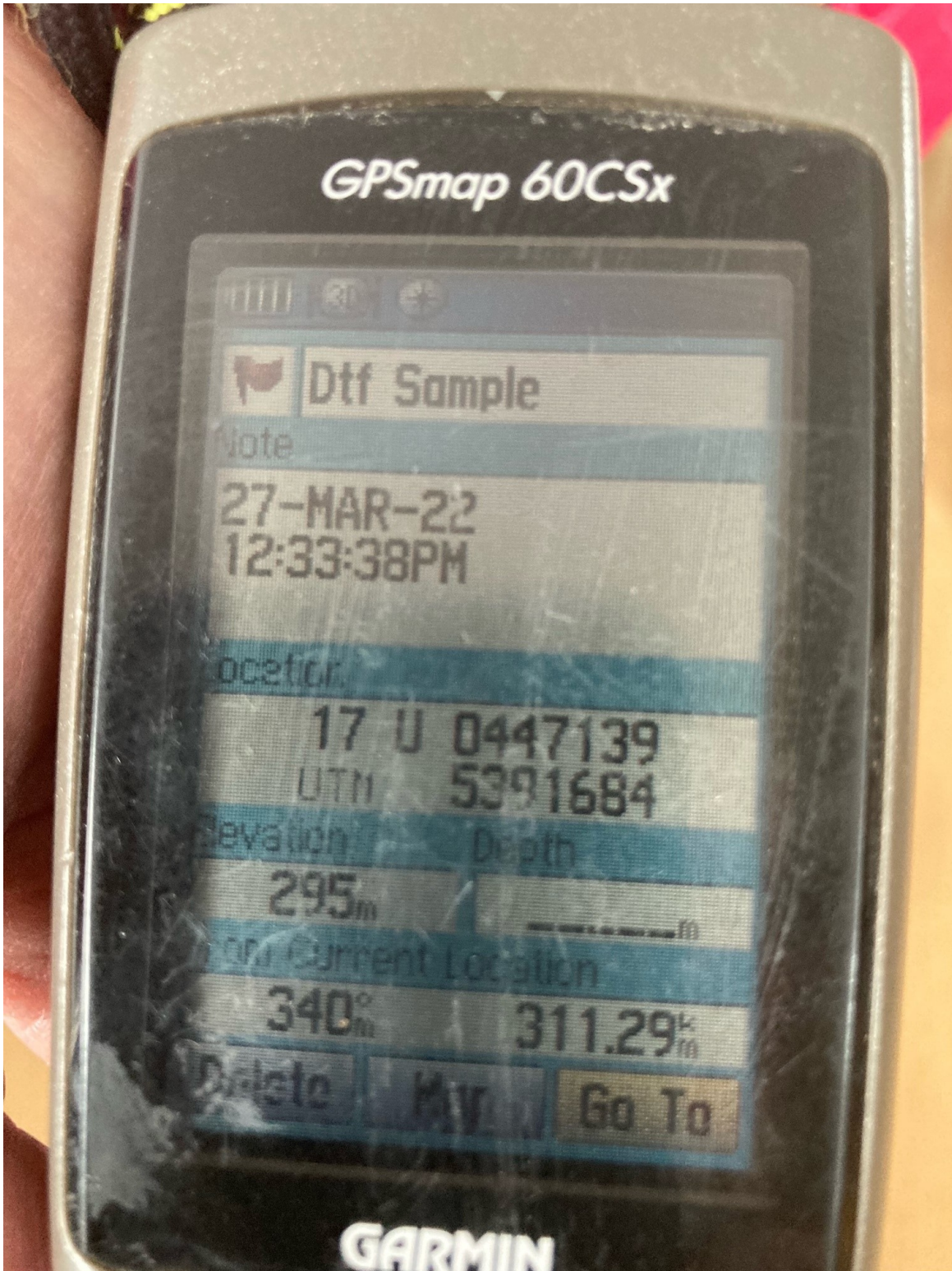


Photo of GPS, location of outcrop to the north, outside of claim where the snowmachine was turned around. Snow was over 1m deep at this location at the edge of the granite outcropping.



Granite float. Fine-grained; not magnetic. 35% Biotite; 20% quartz; 30% plagioclase; 15% Kspar. Not magnetic, barren of sulfides.



Close up view of granite float.





Looking north, the access road to claim from road where truck and trailer were parked.



Sled unloaded, gear packed, ready to ride. Trailer had to be unhitched to turn truck around.



R. Meikle ready to test the snow conditions.



Testing the top crust layer on snow at  $-20^{\circ}\text{C}$ . Confirming access road on the right.

## Appendices

### **Invoices submitted separately for the following expenses:**

1. March 26, 2022. Travel expenses occurred by M. Gaudreau.
2. March 26, 2022. Travel expenses occurred by R. Meikle.
3. March 27, 2022. One (1) day prospecting by M. Gaudreau.
4. March 27, 2022. One (1) day prospecting by R. Meikle.
5. March 27, 2022. Travel expenses occurred by M. Gaudreau.
6. March 27, 2022. Travel expenses occurred by M. Gaudreau.
7. March 26 and 27 2022. Vehicle and fuel receipts @ \$0.50/km flat rate by R. Meikle.
8. March 26 and 27 2022. Trailer and snowmobile rental, flat rate by R. Meikle.
9. April 2022. Cost of assessment report writing.

Available upon request from M. Gaudreau and R. Reikle.

Statement of Costs  
Loveland Twp Prospecting

March 26-27, 2022

Date	Item	Cost
March 26 2022	R Meikle - ravel N Bay Timmins	\$450.00
March 27 2022	R Meikle - Prospecting & Travel to North Bay	\$450.00
March 26- 27, 2022	Show Machine Rental	\$200.00
March 26-27, 2022	Trailer Rental	\$250.00
March 26, 2022	Bon Air Motel - R Meikle	\$121.05
March 26, 2022	Bon Air Motel - M Gaudreau	\$121.05
March 26-27, 2022	Meals 2 men	\$85.12
March 26-27, 2022	Truck Mileage North Bay-Hanmer - Timmins- Loveland Property - Hanmer - North Bay - 976 km	\$488.00
March 26, 2022	M Gaudreau - Prospecting & Travel to Hanmer	\$450.00
March 27 2022	M Gaudreau - Travel to Timmins	\$450.00
April 15, 2022	Assessment Report	\$1,000.00
Sum		\$4,065.22