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LOST HOPE MINE

Technical Report of Grassroots Prospecting – Lost Hope Mine Project

Eby Township, Larder Lake Mining Division, Ontario, Canada

Work performed on newly registered mining claim 653127

Prepared by:

Marcus A. Raitanen, Prospector/Civil Engineering Technologist

June 27, 2021 revision date

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Location

The claim is located in the Larder Lake mining division approximately 12 kilometers southwest of the town of Kirkland Lake. The group of claims lies to the North of Highway 66, off of West Road, across from Eby Pothole Road. This is in the Kirkland Lake Resident Geologists District, Larder Lake Mining Division. The cell numbers are: 42A 01 C138, C139, C158, & C159 & fall on Crown Lands but-for an encumbrance at the Southern extent of C158 & C159 where there is an overlapping patented property with mineral rights. The commute was made from Ottawa, which is roughly 600km South East of the subject location.

Access

Two of the cell claims (C138 & C139) front West Road. There is no trail access to the rearmost 2 cell claims (C158 & C159) at present. West Road is an unmaintained concession road, it is in excellent condition and accessible by car.



General Geology

The subject area is in the "Abitibi" belt (Goodwin 1966) of Precambrian volcanic, sedimentary, and intrusive rocks that extend from southwest of Timmins, Ontario, to Chibougamau, Quebec (Lovell 1972). The Abitibi Belt has many large gold and base metal deposits and has an exploration history going back well into the 1800's. Kirkland Lake was the site of a major gold boom which followed the discovery of silver in Cobalt in the early 1900's. The Kirkland Lake break lies North East of the subject area and the area, known as the Kirkland Lake Gold Camp, is one of the world's largest gold producing regions.

Local Geology

The subject site was visited over the labour day weekend, September 4th to the 8th, 2020. There is a patented property, a 160 acre homestead lot, owned by the author, to the South of the claims (legal name, South ½ Lot 11, Concession 3). The purpose of the visit was to explore the property for its resource potential but from a geological perspective, the only observable bedrock outcropping was found on the Crown lands to the North. Those Crown lands occupy cells 42A 01 C138, C139, C158, & C159. Accordingly, the author traversed that property on September 5th searching for signs of potential mineralization.

Several areas of exposed greenstone bedrock with visible quartz veins were observed & photographed:



Pic01eby20.jpg



Pic02eby20.jpg



Pic03eby.jpg



Pic04eby.jpg



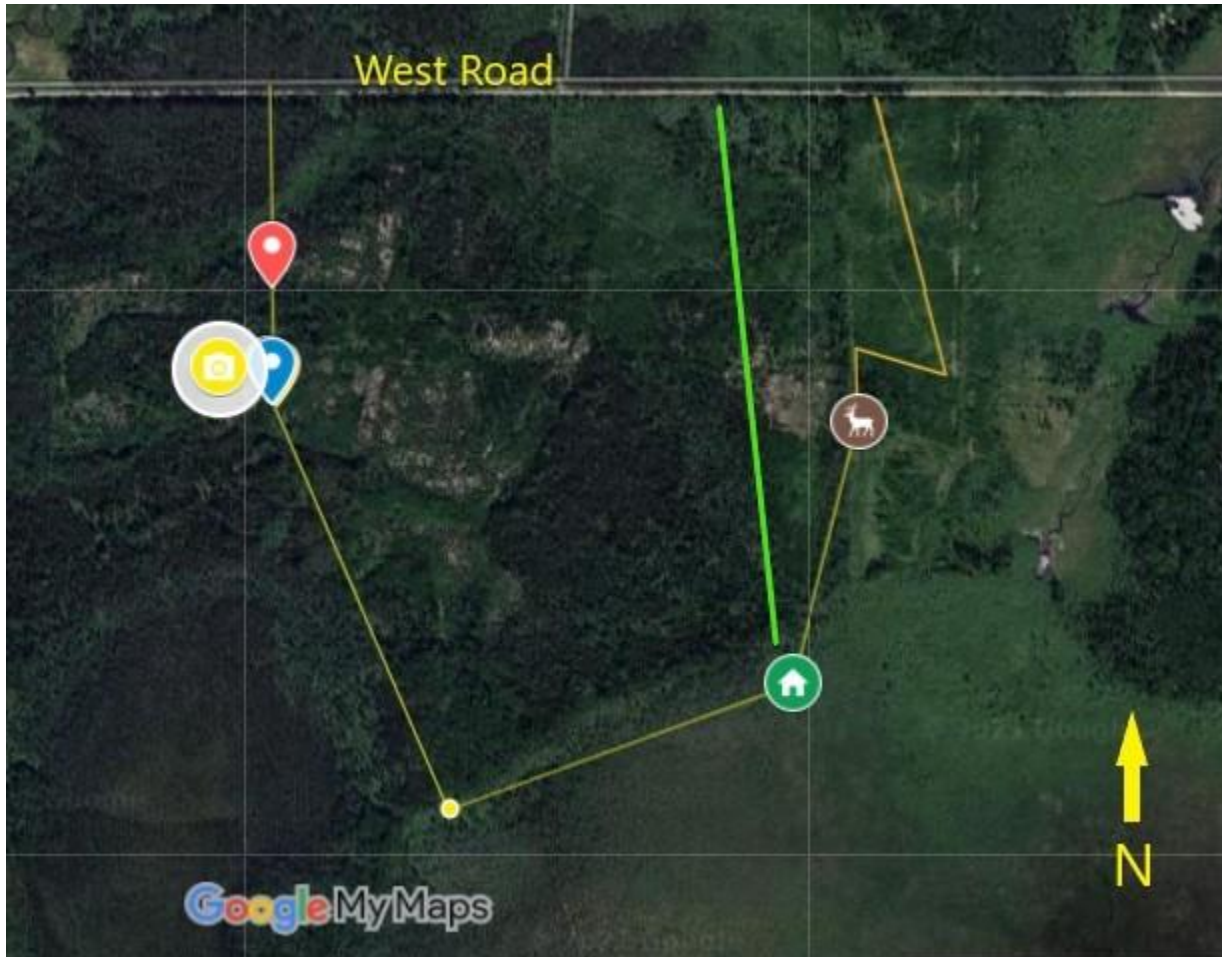
Pic05eby.jpg



Pic06eby.jpg

The cairn was erected by the author.

Table 1 Traverse



The author entered the subject lands on foot from West Road by following a game trail to the green marked location on the map below. The author camped there for the duration of the visit. The traverse from there headed West-South and then North. The North traverse was conducted on the 5th of September crossing cells C158 first and C138 secondly before exiting on West Road. The vegetation is extremely dense and by most definitions impassible. The undergrowth, consisting principally of tag alders, is so dense at transitions that it was necessary to follow game trails, which were extremely difficult to find. Photographs were taken to document the rock formations of interest.

Field Notes:

Date	Longitude	Latitude	Township	Photo ID	Comment
9/5/2020	48.0545695N	80.26555W	Eby	pic01eby20.jpg	quartz veins in greenstone rock outcrops
9/5/2020	48.054600N	80.265646667W	Eby	pic02eby20.jpg	quartz veins in greenstone rock outcrops
9/5/2020	48.0561116666667N	80.265655W	Eby	pic03eby20.jpg	quartz veins in greenstone rock outcrops
9/5/2020	48.0545833333333N	80.265638333W	Eby	pic04eby20.jpg	quartz veins in greenstone rock outcrops
9/5/2020	48.0545833333333N	80.265638333W	Eby	pic05eby20.jpg	quartz vein with pinkish (feldspar) colouration
9/5/2020	48.0546116666667N	80.2657W	Eby	pic06eby20.jpg	quartz veins beside cairn placed by author

Findings

Although the author is of limited experience, quartz veins are known to him as a potential location of gold mineralization. Subsequent research following the site visit revealed that the cells were available for staking and the author has proceeded to stake them as a 4 cell claims for further exploration. The claim is registered as 653127.

References:

Lovell, H.L. 1972. Geology of the Eby and Otto Area, District of Timiskaming; Ontario Dept. of Mines and Northern Affairs, GR99, 30p.

Appendix

Expenses Summary

A total of \$1010 was incurred as costs related to the prospecting fieldwork activities related to the grassroots prospecting of 42A 01 C138, C139, C158, & C159 and are detailed as follows:

Lost Hope Mine

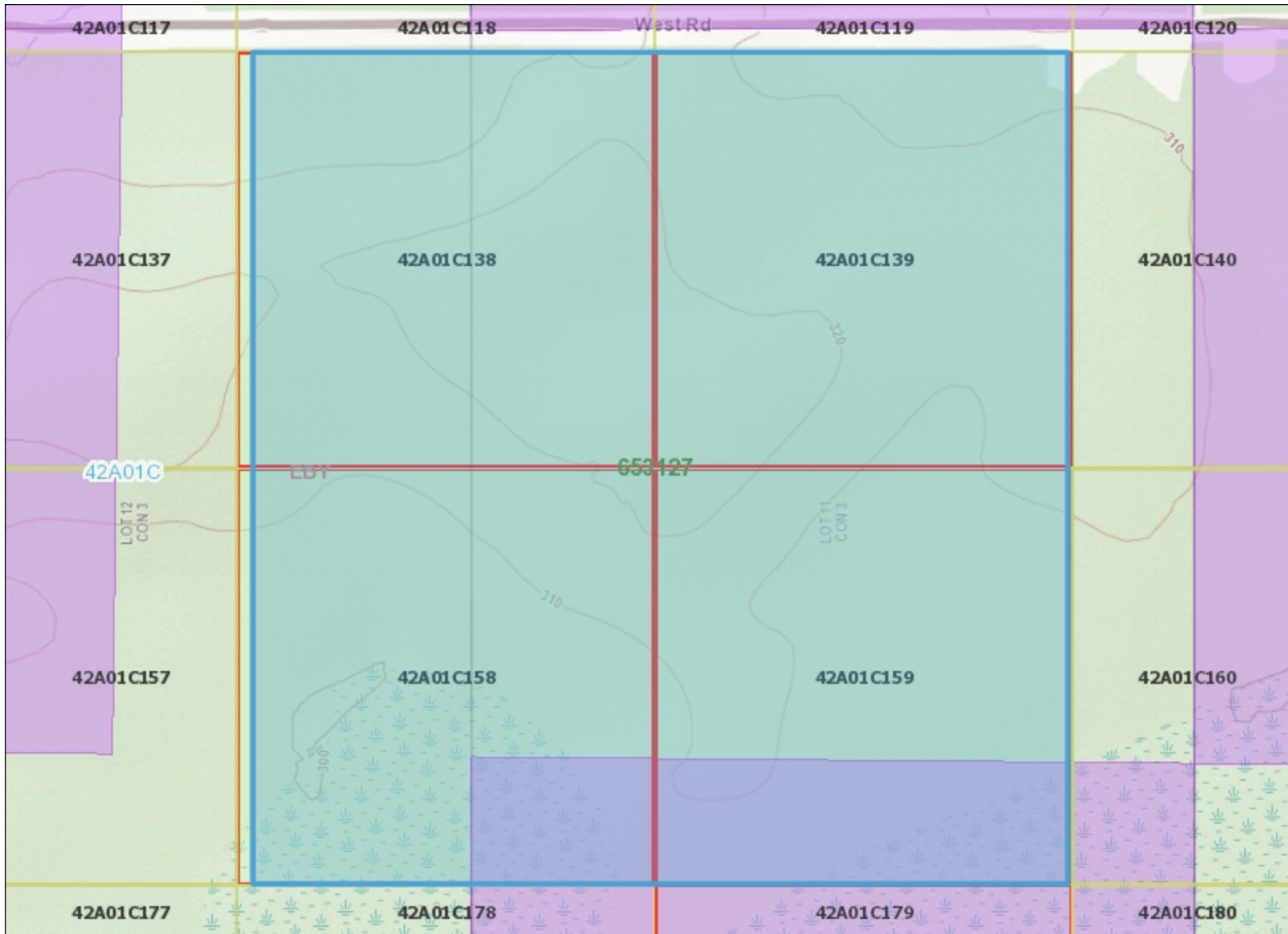
Expense Report

PURPOSE: Grassroots Prospecting - Preliminary Scouting of Site /
Prospective Claim Investigation, Eby Township

NAME: Marcus A. Raitanen

Date	Description	Hotel	Gas	Food	Prospecting	Consumable	Misc	Total
9/4/2020	2692 SHELL Co5445 2661		\$47.10					\$ 47.10
9/4/2020	MCDONALD#S #120			\$ 12.43				\$ 12.43
9/4/2020	travel				\$300			\$ 300.00
9/5/2020	1 roll flagging tape			\$ -		\$ 2.88		\$ 2.88
9/5/2020	1 day prospecting claim cells 6823				\$ 300.00			\$ 300.00
9/8/2020	BK #8642			\$ 8.55				\$ 8.55
9/8/2020	3763 MOBIL ENGLEHART		\$ 39.65	\$ -				\$ 39.65
9/8/2020	travel				\$300			\$ 300.00
Total		\$ -	\$ 86.75	\$ 20.98	\$ 900.00	\$ 2.88	\$ -	\$ 1,010.61
								total \$ 1,010.61

NOTES: Prospecting performed by claim holder & billed at \$300/day for reporting purposes.



Legend

- Provincial Grid Cell**
 - Available
 - Pending
 - Unavailable
- Mining Claim**
 - Mining Claim
 - Boundary Claim
- Alienation**
 - Withdrawal
 - Notice
- ENDM Administrative Boundaries**
 - ENDM Townships and Areas
 - Geographic Lot Fabric
 - UTM Grid 1K
 - UTM Grid 10K
 - Mining Division
 - Mineral Exploration and Development Region
 - CLUPA Protected Area - Far North
 - Resident Geologist District
 - Federal Land Other
 - Native Reserves
- AMIS Sites**
 - AMIS Sites
 - AMIS Features
 - Drill Hole
 - Mineral Occurrences
- MLAS Mining History**
 - Withdrawal - History
 - Notice - History
 - Mining Claim - History
 - Mining Land Tenure - History
 - Legacy Claim
- Provincial Grid**
 - Provincial Grid 250K
 - Provincial Grid 50K
 - Provincial Grid Group
- Land Tenure**
 - Surface Rights
 - Mining Rights
 - Mining and Surface Rights
 - Order-in-Council

Those wishing to register mining claims should consult with the Provincial Mining Recorders' Office of the Ministry of Energy, Northern Development and Mines for additional information on the status of the lands shown hereon. This map is not intended for navigational, survey, or land title determination purposes as the information shown on this map is compiled from various sources. Completeness and accuracy are not guaranteed. Additional information may also be obtained through the local Land Titles or Registry Office, or the Ministry of Natural Resources and Forestry. The information shown is derived from digital data available in the Provincial Mining Recorders' Office at the time of downloading from the Ministry of Energy, Northern Development and Mines web site.



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