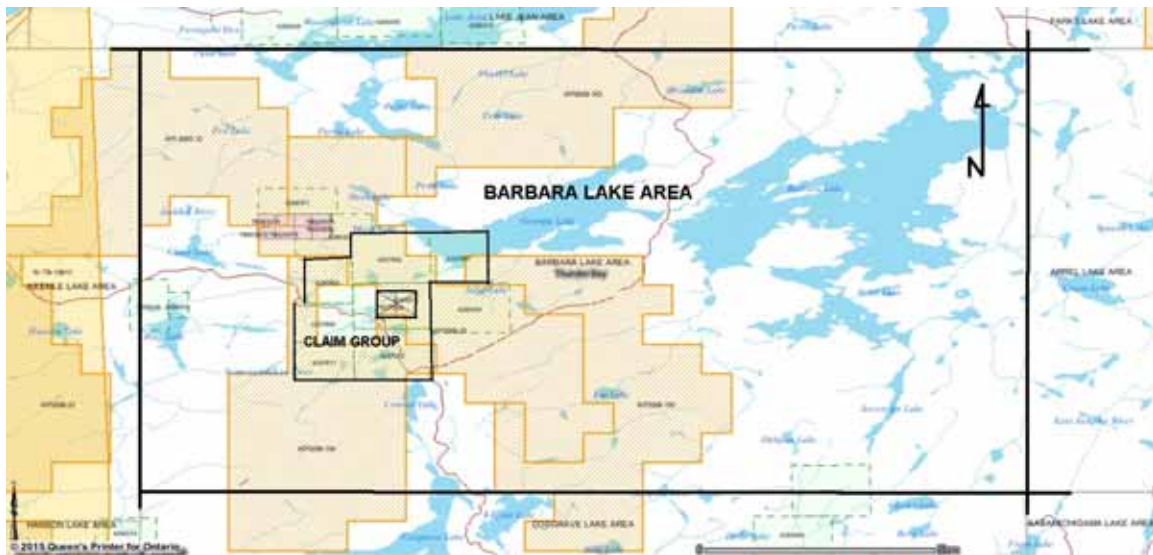


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Barbara Lake Area Claim Group

4257865, 4257866, 4257867, 4257868, 4257869, 4257871, 4257872



2015 Geological Mapping Assessment Report

Mining Divisions: Thunder Bay
Township: Barbara Lake Area
NTS map sheet: 42E - 05
Location (NAD83)
UTM: Zone 16

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Maps

Map 1: Subject Claim Group Map	Attached
Map 1: Detail Map - Geology Map	Attached

LOCATION AND ACCESS

The Claim Group is located in the central portion of the Barbara Lake Area, and encompasses the southwestern portion of Georgia Lake. The claim group is approximately 50 kilometers northeast of Nipigon and 140 km northeast of Thunder Bay, Ontario. Access is by way of the Gorge Creek Road located 37 km east from the intersection of Highway 11 and 17, on Highway 17.



Figure 1: Property Location in Canada.

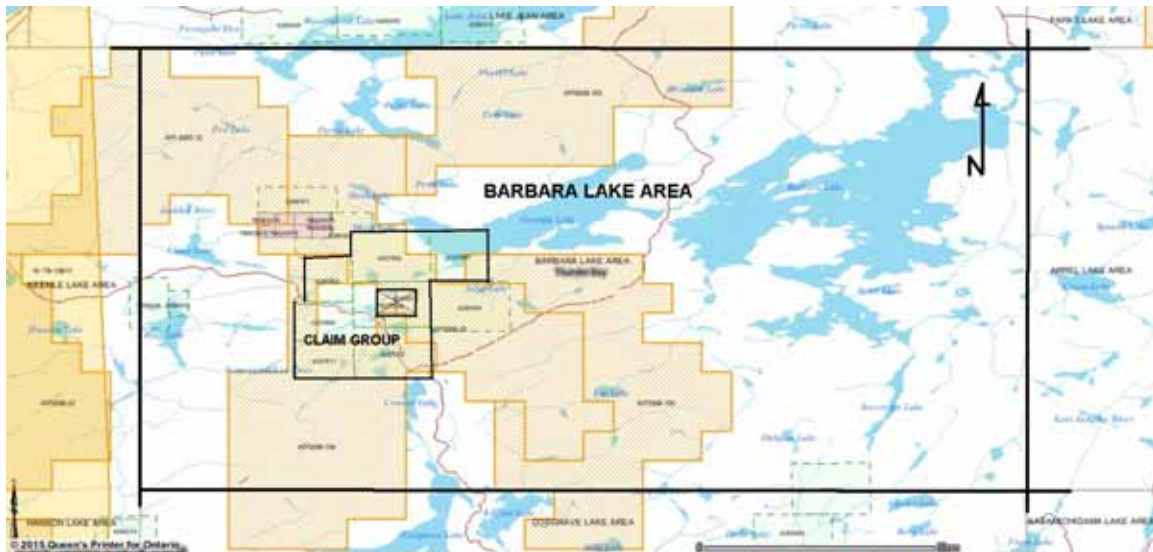


Figure 2: Location of Claim Group in Barbara Lake Area, Ontario.

TOPOGRAPHY AND VEGETATION

Pye (1965) summarized the topography of the Georgia Lake area:

"The Georgia Lake area is one of topographic contrasts. The parts of the area in which metasediments are exposed are, for the most part, of low relief. In contrast, the parts underlain by granitic rocks are rugged, with rounded hills rising up to about 150 feet above the general level. Most conspicuous, however, are high, imposing vertical or near-vertical cliffs at the boundaries of large exposed sheet-like masses of diabase."

"Rock exposures in the area are abundant, and between the outcrops there is a thin mantle of glacial deposits. These glacial deposits consist mainly of stratified accumulations of unconsolidated sand and gravel. Some of them represent a ground moraine sorted by the action of glacial meltwaters; others form prominent terraces along the shores of Lake Nipigon and in the valley occupied by Keemle and Wanogu Lakes, and are abandoned beach deposits. Esker ridges also are present but are not high and do not extend for any great distances."

The forest of the Georgia Lake area is mixed growth of spruce, balsam, jackpine, poplar, birch, cedar and muskeg.

PROPERTY

The Claim Group that is the subject of this report is owned 100% by Wade Kornik, the author of this report .The Claim Group is comprised of the following contiguous claims: 4257865, 4257866, 4257867, 4257868, 4257869, 4257871, 4257872. The assessment work was physically conducted on one single claim, 4257869, of the Claim Group (Figure 2, Table 1).

Table 1: Claim Group Information

THUNDER BAY Mining Division - 153397 - KORNIK, WADE TRAVIS

Township/Area	Claim Number	Recording Date	Claim Due Date	Status	Percent Option	Work Required	Total Applied	Total Reserve	Claim Bank
BARBARA LAKE AREA	4257865	2013-Oct-17	2015-Oct-17	A	100 %	\$ 4,000	\$ 0	\$ 0	\$ 0
BARBARA LAKE AREA	4257866	2013-Oct-17	2015-Oct-17	A	100 %	\$ 6,400	\$ 0	\$ 0	\$ 0
BARBARA LAKE AREA	4257867	2013-Oct-17	2015-Oct-17	A	100 %	\$ 4,800	\$ 0	\$ 0	\$ 0
BARBARA LAKE AREA	4257868	2013-Oct-17	2015-Oct-17	A	100 %	\$ 3,600	\$ 0	\$ 0	\$ 0
BARBARA LAKE AREA	4257869	2013-Oct-17	2015-Oct-17	A	100 %	\$ 4,800	\$ 0	\$ 0	\$ 0
BARBARA LAKE AREA	4257871	2013-Oct-17	2015-Oct-17	A	100 %	\$ 3,600	\$ 0	\$ 0	\$ 0
BARBARA LAKE AREA	4257872	2013-Oct-17	2015-Oct-17	A	100 %	\$ 6,400	\$ 0	\$ 0	\$ 0

PERSONNEL AND DATES OF WORK

Geological mapping was conducted by Wade Kornik, geologist, the author of this report accompanied by Leslie Kornik from September 27 to October 5, 2014.

PREVIOUS WORK

A summary of the exploration history for the MDI Lithium occurrences (Jackpot, Salo and Southwest) is given in Table 2 and Table 3. These three area were staked by Conwest in May 1955. Conwest mapped the pegmatite outcrops in the spring 1955, and drilled the properties July to November 1955. A resource was calculated for the Jackpot in March 1956, but not for Salo and Southwest as their drill programs were not as successful. The Jackpot, Salo and Southwest claims were transferred from Conwest to Ontario Lithium in April 1956. In August 1957, Ontario Lithium drilled additional holes on the Salo property. In August 1960, the Jackpot claims were converted to leases. There are no assessment files indicating exploration activity in MNDMF's database for Jackpot, Salo or Southwest properties from 1960 to present. There has been no other significant exploration activity on the properties from 1960 to present.

Table 2 Summary of exploration history on the Jackpot (1955-1960)

Date	Company	Activity	Results
Mar. 1955	E.W. Hadley	discovered spodumene on Island showing	
May 2, 1955	Gordon Miller	staked original claims on Jackpot	
May 16, 1955	Conwest	Miller transferred Jackpot claims to Conwest	
spring 1955	Conwest	outcrop mapping	outcrop maps
Jul. to Nov. 1955	Conwest	drilled 31 holes, totalling 3284 m	drill logs, plan maps, cross sections, 13.72 m of 1.31 %Li ₂ O
Mar. 1956	Conwest	resource calculation	2,000,000 tons at 1.09 %Li ₂ O *
April 16, 1956	Ontario Lithium	Conwest transferred Jackpot claims to Ontario Lithium	
Aug. 24, 1960	Ontario Lithium	Jackpot claims converted to leases (M.R.O.)	

*The estimate is not NI 43-101 compliant, has not been verified by the author and should not be relied upon.

Table 3 Summary of exploration history on the Salo and Southwest (1955-1957)

Date	Company	Activity	Results
May 1955	Conwest	staked original claims on Salo and Southwest	
spring 1955	Conwest	outcrop mapping	outcrop maps
Jul. 1955	Conwest	drilled 8 holes, totaling 153.5 m on Salo	10-15 vol% spodumene, no assays available
Oct. 1955	Conwest	drilled 2 holes, totaling 182.8 m on Southwest	10 vol.% spodumene, no assays available
Aug. 1957	Ontario Lithium	drilled 8 holes, totaling 159.9 m on Salo	no spodumene was intersected

REGIONAL GEOLOGY

The Georgia Lake area is located within the metasedimentary Quetico Sub province of the Superior Province. The Quetico is bounded by the granite-greenstone Wabigoon Sub province to the north and Wawa Sub province to the south.

PROPERTY GEOLOGY

The property geology was summarized by Dr. Paul Gilmour in assessment file 42E05SW0026 which was filed by Ontario Lithium after the drilling and outcrop mapping was completed on the property .

The following formations are present on the property and in its immediate neighborhood:

- Diabase and basalt
- Granite rocks (including pegmatites)
- Quartz-mica schist

The quartz-mica schist (greywacke) appears to be the oldest rocks in the area. They are poorly exposed, but, judging by the wide distribution of the exposures, they make up most of the area of the property. The relative proportion of quartz and mica in the rock is widely variable, so that the rock grades from a coarse-grained micaceous quartzite to a quartzose mica schist.

WORK PROGRAM

On September 25, 2014, Wade Kornik and Leslie Kornik drove from Ottawa and Winnipeg, respectively, to meet in Nipigon, Ontario. In Nipigon they subsequently drove to the Claim Group by pickup trucks. Bedrock geological mapping on claim 4257869 was conducted from September 27 through to October 5, 2014. Demobilization was on October 5, 2014. The Subject Claim Group is presented on the first attached Map at the end of this report showing the area of the Detail Map where the traverses and mapping was conducted. The Detail Map is also attached to this report and illustrates the results of the mapping on Claim 4257869.

CONCLUSIONS AND RECOMMENDATIONS

The bedrock observed in the area traversed was exclusively meta-sediments consisting of biotite-quartz-feldspar schist. This is consistent with that indicated on existing published bedrock maps of the area (Pye, 1965, Map 2056). Metamorphic foliation and fabric trends were also confirmed as being roughly east-west and dipping steeply north. No good evidence for primary bedding or bedding direction was observed. The purpose of traversing this area was to look for parallel structures that could have hosted lithium bearing pegmatites between the Jackpot pegmatite located in the center of the claim area (excluded claim area) and northwards towards the Diabase dike that forms a prominent topographic high at the western end of Georgia Lake. Diabase, while also being roughly east west and dipping shallow to the North is reported to crosscut the Island Lake Lithium occurrence. While the diabase and pegmatites are of different ages they are likely to have been emplaced into pre-existing areas of structural weakness. For this reason the area between the lower contact of the diabase and the Jackpot is considered to be prospective for additional pegmatite dykes. The program was intended to be more intensive and larger in scope but poor weather conditions and an early snowfall prevented additional work in 2014.

It is recommended to return to the area and continue to mapping the areas between the lower contact of the large diabase dyke and the Jackpot lithium bearing pegmatite. Additionally it is recommended to traverse the areas south of the Jackpot lithium bearing pegmatite to look for areas of parallel structural weakness that could host lithium bearing pegmatites. Much of the area of this claim group is characterized by very a significant amount of deadfall (due to high elevation and pervasive wind conditions) and makes access quite difficult and progress slow.

STATEMENT OF QUALIFICATIONS

I, Wade Kornik, graduated from Carleton University in 1986 with a Bachelor of Science Degree in Geology and Chemistry. In addition to being the claim holder I am a consulting geologist and have been periodically employed as such for over twenty years.


REFERENCES

Assessment Files, Timmins Resident Geologist's Office, Ministry of Northern
Development and Mines

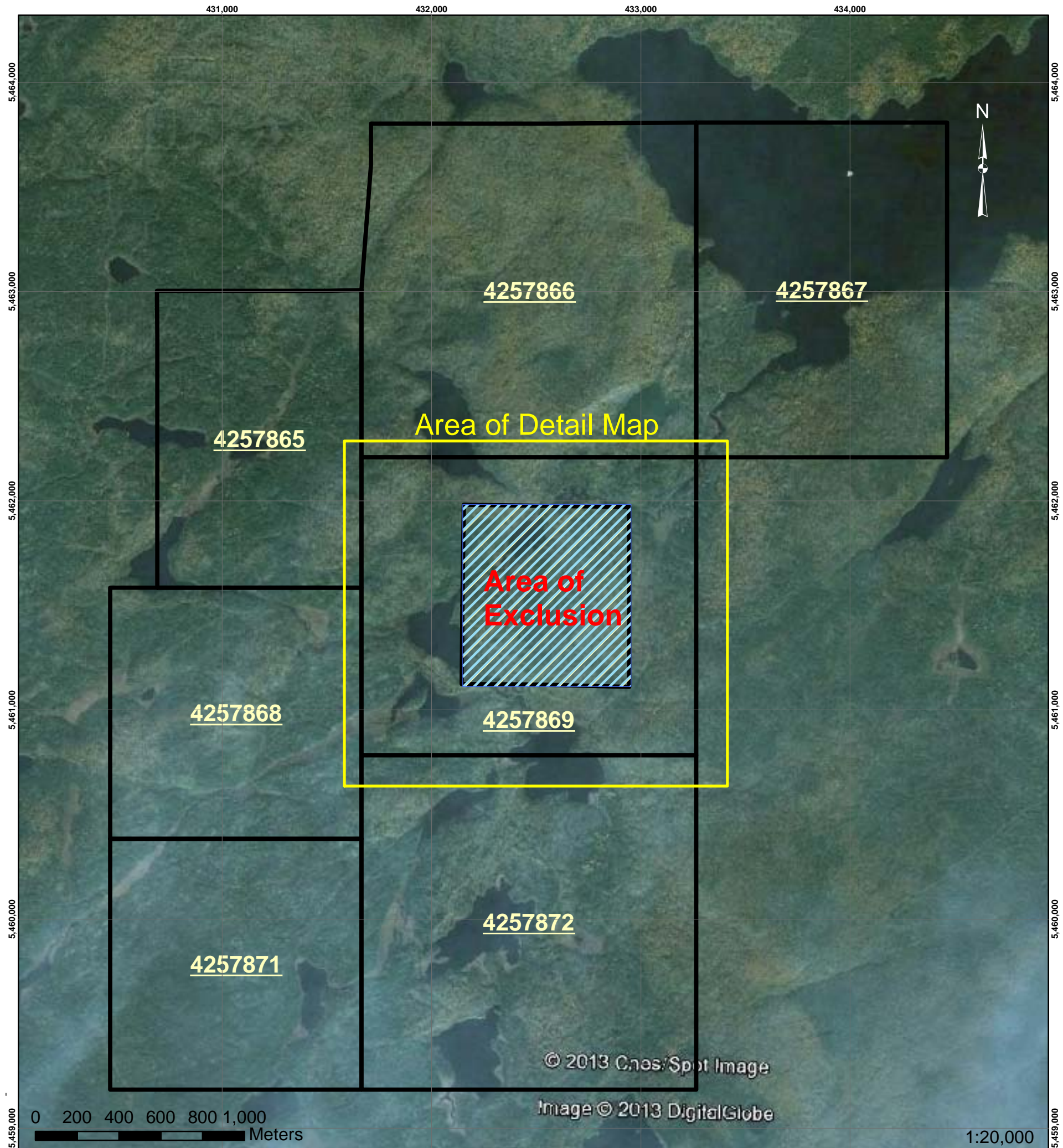
Pye, E.G., 1965: Georgia Lake Area. Ontario Department of Mines,
Geological Report No. 31.

DATE AND SIGNATURE PAGE

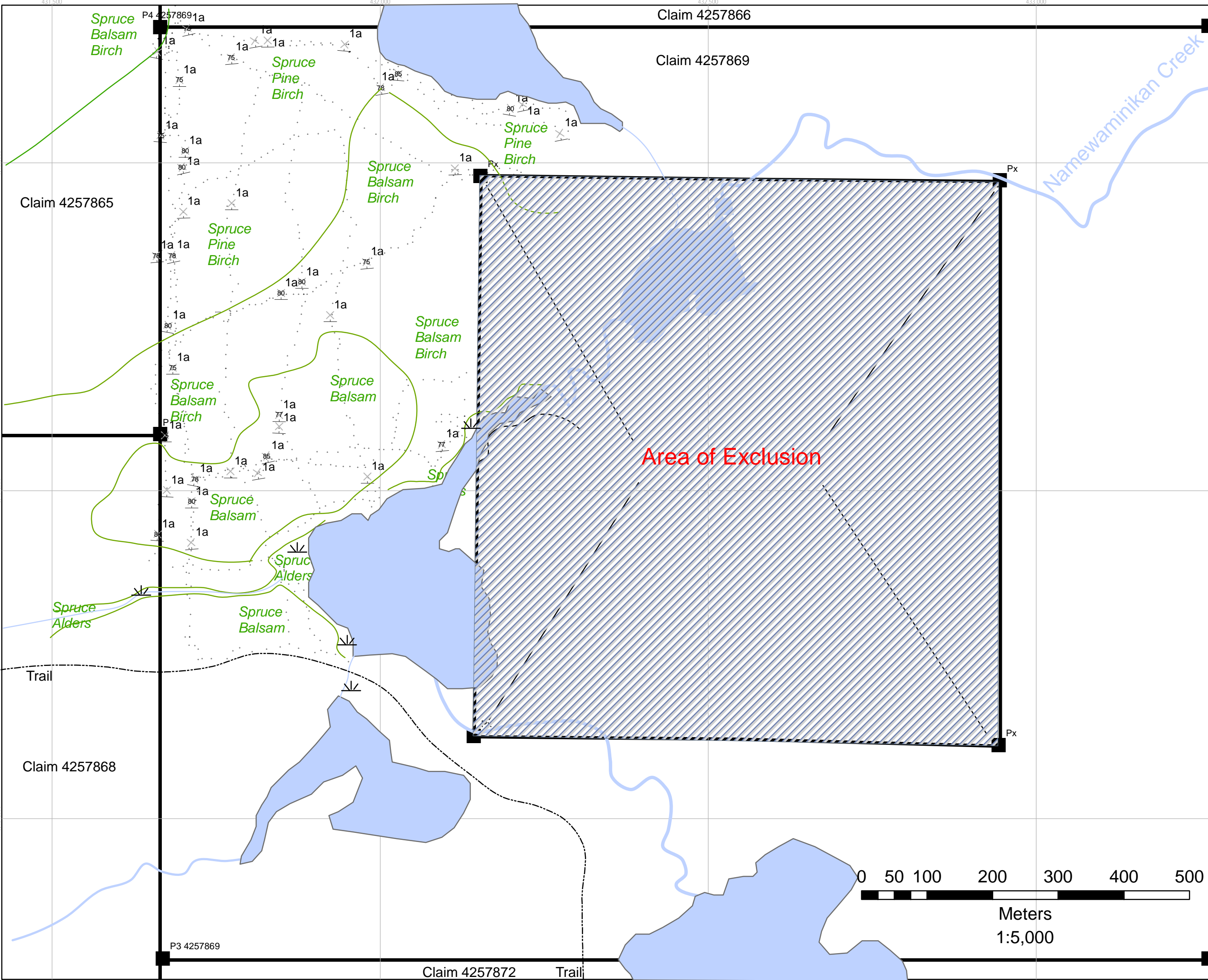
This report contains an accurate representation of work conducted on the said property described within this report. This report was prepared by Wade Kornik BSc. P.Geol. as the claim owner based on field work conducted during 2014 on claim 4257869 in Barbara Lake Area, Thunder Bay Mining Division, by the author.



Wade Kornik BSc. P.Geol.



Subject Claim Group
Barbara Lake Area, Thunder Bay Mining Division



Claim 4257866
 Claim 4257869
 Claim 4257867
 P4 4257869
 P1 4257869
 Adjoining Claim 4266304
 N

Legend

- Claim Post
- Claim Line
- - - Trail
- Vegetation Type Limit
- Spruce* Vegetation Type
- Wetlands
- Water
- Traverse Point

Geology

- Metasediments
- X 1a - Biotite-Quartz-Feldspar Gneiss
- 80° Strike/ Dip Foliation

Detail Map - Geology
Claim 4257869
Barbara Lake Area
Wade Kornik Oct 2015

