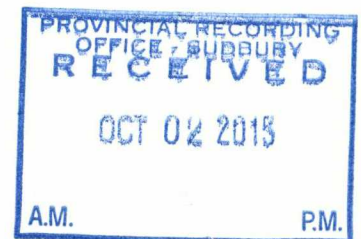


Prospecting report on the
Chataway and Luski
Pardee Township Claims
Thunder Bay Mining Division

NTS 52 A 4

UTM Coordinates:
308800 E
5325800 N
Zone 16 U

2-56314



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Sept. 29, 2015

INTRODUCTION

The Chataway-Luski Pardee Township claims are located 50 km southwest of Thunder Bay near the International Border. This report covers two claim groups: one is the 4 contiguous claims on Lake Lenore Road consisting of 5 units and the second is a single claim of 4 units off Highway 61. The two groups are owned by Mike Luski (75%) and Chataway (25%). Several showings exist on the properties with values in copper, nickel, and PGE's. The host rocks are gabbros which intruded through the Rove sediments and diabase dykes.

LOCATION, ACCESS AND OWNERSHIP

The properties are located on the east side of Pardee Township about 7 km north of the International Border. The area is in NTS 52 A 4.

Excellent access from Thunder Bay is provided by Highway 61 to Lake Lenore Road then travel west to the property. Several local trails provide further access to this group. The second group is further along Highway 61.

The first group consists of 4 claims, 1194437-1194440 and are owned by Mike Luski (75%) and Chataway (25%). The 4 mining claims were recorded on September 30, 2010 (1194437) and October 12, 2010 (1194438, 1194439 and 1194440). The second group consists of one claim (1240480), recorded on November 26, 2010 and owned by Luski (75%) and Chataway (25%).

REGIONAL GEOLOGY

The properties are underlain by Lower Proterozoic Rove Formation sediments (Age 1.9-2.0 b.y.) and early mafic intrusions ie Logan sills (Age 1.2 b.y.) of diabase and Pigeon River Intrusions of olivine diabase and gabbroic intrusions (Crystal Lake Intrusion) related to the Duluth Complex (Age 1.1 b.y.). The intrusions are related to the Mid-Continent Rift system with similarities to the Duluth Complex Gabbro which hosts such other occurrences as Great Lakes Nickel.

LOCAL GEOLOGY and MINERALIZATION

The host to the mineralization on the showings is a medium grained gabbro with chalcopyrite, pyrrhotite and pentlandite. The total sulphide content is low in the range of 3-5%. The PGE mineralization is associated with the sulphides. Tanton (1935, 1937), McCuaig (1950) and Geul (1970) have described mineralized, vari-textured diabase, gabbroic anorthosite and norite with interstitial to blebby pyrite, pyrrhotite, chalcopyrite and pentlandite mineralization in the many showings near the claim groups.



Figure 1: General location map of the Pardee Property shown by the large purple star. 

HISTORY

The groups have seen many small scale prospecting and exploration programs over the last 50 years. This work has identified numerous showings mainly in a gabbroic host rock. Several short drill holes intersected a few meters of copper-nickel mineralization near the north boundary of the Lake Lenore Road group.

PROSPECTING WORK 2015

Lake Lenore Road Claims

During September, 2015, 3 days of prospecting were completed on the 4 claim group (1194437-40). See map for locations of traverses on Sept 19, 22, and 27th. The area has a ground cover of a thin layer of glacial deposits with mature poplar and fir trees with thick scrub maple underbrush. Outcroppings tended to be along the very steep cliff faces.

Rove Formation sediments were noted in outcrop along the base of the steep cliffs with gabbro and diabase intrusive outcrops forming the hilltops. The sediments were flat lying argillites and some greywackes. The intrusives were highly weathered gabbros with fine to medium grained textures. The deeply weathered surfaces were very crumbly making identification difficult. No sulphide mineralization was noted in any of the outcrop locations. Fine grained diabase was tentatively identified in several locations. This could have been the chilled margins of the gabbro near the sedimentary contacts.

Highway 61 Claim

This claim (1240480) is not contiguous with the above group. It consists of 4 units with mining rights only. Two days of prospecting took place in September, 2015. Please refer to map to see locations of traverses on Sept 16 and 17th.

In the area of the No. 4 post prospecting located outcrops and sub-outcrops of gabbro. These were fine grained, olivine-rich varieties with no sulphide mineralization. The steep cliffs prevented more coverage towards the No. 1 post. The traverse going north from the No. 2 post at the Highway was able to locate the contact between the Rove sediments and a northeast trending diabase dyke. Topography in the area is very steep and limits access to some areas.

Traversing north from the Highway to the No. 3 post was up a steep hillside with float of Rove sediments. The contact with the NE trending diabase was near the No. 3 post. Further along toward the No. 4 post gabbro outcrops were noted at the cliff. No sulphide mineralization was found.

CONCLUSION

The prospecting work identified areas of Rove sediments with diabase and gabbro intrusions. Mineralization in mafic to ultramafic deposits is mainly found at the basal contacts of the units as demonstrated at the nearby Great Lakes Nickel deposit.

RECOMMENDATION

It is recommended that more geological surveys be completed on the claims so as to better understand the intrusive nature of the prospective gabbros.

CHATAWAY-LUSKI
Parade Township Claims
Thunder Bay Mining Division
Prospecting Map.
Scale 1:5000
Sept. 29, 2015
Draw by L.T. CHATAWAY

Scale 1:5000
0 100m 200m 300m 400m 500m
NAB 83
Zone 16

T.N.
3°W
Dec 11

