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2016 Sampling Program on Mining Claim L – 4263856 located in Morrisette Township, in the Larder Lake Mining Division

Introduction

A sampling program took place on August 15 and 16 of 2016 on mining claim L 4263856 located in the east central limit of Morrisette Township. The area that L 4263856 is situated is mostly swamp in the eastern side and esker in the northern part. Out crop exposers are limited due to the thickness of the esker. East of Mallard Lake which is situated in the south western part of the claim are some good exposers. Conglomerate is the most common rock type in this area, carbonated in places with minor amounts of fine sulphides. This was the focus of the 2016 sampling program.

Access

A dry weather road was used with the aid of an atv to get to the site on the winter logging Roads. The airport road is the main access route to the area. The airport which is 7 km north of Kirkland Lake was used to access a dry weather road which leads south of the parking lot at the airport. Travelling for 3.5 km on an atv from this point in a southern direction, then a atv trail for 2km in a north east direction was used to reach the south wet part of the claim. A old foot trail along the southern shore of Mallard Lake was used to gain access to the eastern part of the claim.

Geology

Mining Claim L 4263856 is mostly underlain by sedimentary rocks part of the Timiskaming sediment package. Conglomerate and gabbro are indicated on the geology plans as the most common rocks exposed to date. In the central and western part of the Township individual flows can be readily seen along the western shore of Goodfish lake. Most of the exposers are metavolcanic (pillowed). There are a number of quartz feldspar dikes striking North 70 to 80 degrees east crossing the property. Shearing is usually found at the contacts between the metavolcanic and porphyry dikes.

In Bernhardt and Morrisette Townships near Goodfish Lake a distinctive type of granite porphyry is found as sills, stocks and dikes having a maximum width of a 1000 feet on surface. These bodies intrude the mafic metavolcanic sequence, the lowest unit of the metasediments and felsic metavolcanics interfingering with the mafic metavolcanic sequence.

The quartz – feldspar porphyry contains two generations of phenocrysts. The first consists of one inch diameter euhedral phenocrysts of albite or oligoclase partly or completely altered to sericite, carbonate and a rusty earthy mineral. The proportion of these large phenocrysts ranges from ten percent to less than one percent. The second generation of phenocrysts makes up 55 percent of the rock. They are oligoclase crystals up to a quarter inch in diameter and are accompanied by about five percent of equigranular quartz grains appearing as eyes. The alteration of the second generation of feldspar phenocrysts is composed of about 15% calcite and other very fine grained silicic minerals. Margins of these intrusive bodies and some narrow dikes are much fresher in appearance than the central parts of the larger bodies which have rusty weathered surfaces. Along the contacts of these quartz porphyry dikes and the pillowed metasediments shearing and mineralization is usually found.

The Program

On August 15th and 16th 2016 a prospecting program began on mining claim L 4263856. The south eastern part of the claim was the focus due to low lying outcrop ex posers were noticed during the staking of the claim. At approximately 100 meters est of Mallard Lake a low north south trending ridge was followed north along a large swamp to the east. Dead fall and thick brush made traversing difficult. Following the ridge north from the south boundary ex posers of conglomerate were located. The rock was slightly carbonated and contained minor amounts of fine sulphides. Samples 73948 & 73950 were taken in this area. Sample # 73949 was taken approximately 250 meters north on a low lying outcrop on the west slope of a small Esker. This also as conglomerate but not carbonated . There were fine sulphides also present.

<u>Sample #</u>	<u>Description</u>	<u>Assay,gram/ton</u>
73948	Conglomerate, fine grain, carbonated with fine sulphides	0.05
73949	Conglomerate , fine grain, minor fine sulphides	0.48
73950	Conglomerate, fine grain, carbonated, minor fine sulphides	0.01

Sample UTM"S

73948	17U 577547E, 5339089N
73949	17U 577643E, 5339594N
73950	17U 577481E, 5339055N

Recommendations & Conclusions

Although all three samples assayed trace at best, except for sample 73949, further prospecting in this area in on going . Sample 73949 gave an assay of 0.48 grams. This area will be the next focus of the prospecting program. Sample 73949 will be sampled to make sure that no contamination of the sample occurred.



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Assaying - Consulting - Representation

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Assay Certificate

Certificate Number: 16-1193

Company: **Tom O'Connor**

Project: **4263856**

Report Date: **02-Sep-16**

Attn: **Tom O'Connor**

We hereby certify the following Assay of 3 rock/grab samples submitted 30-Aug-16 by Tom O'Connor

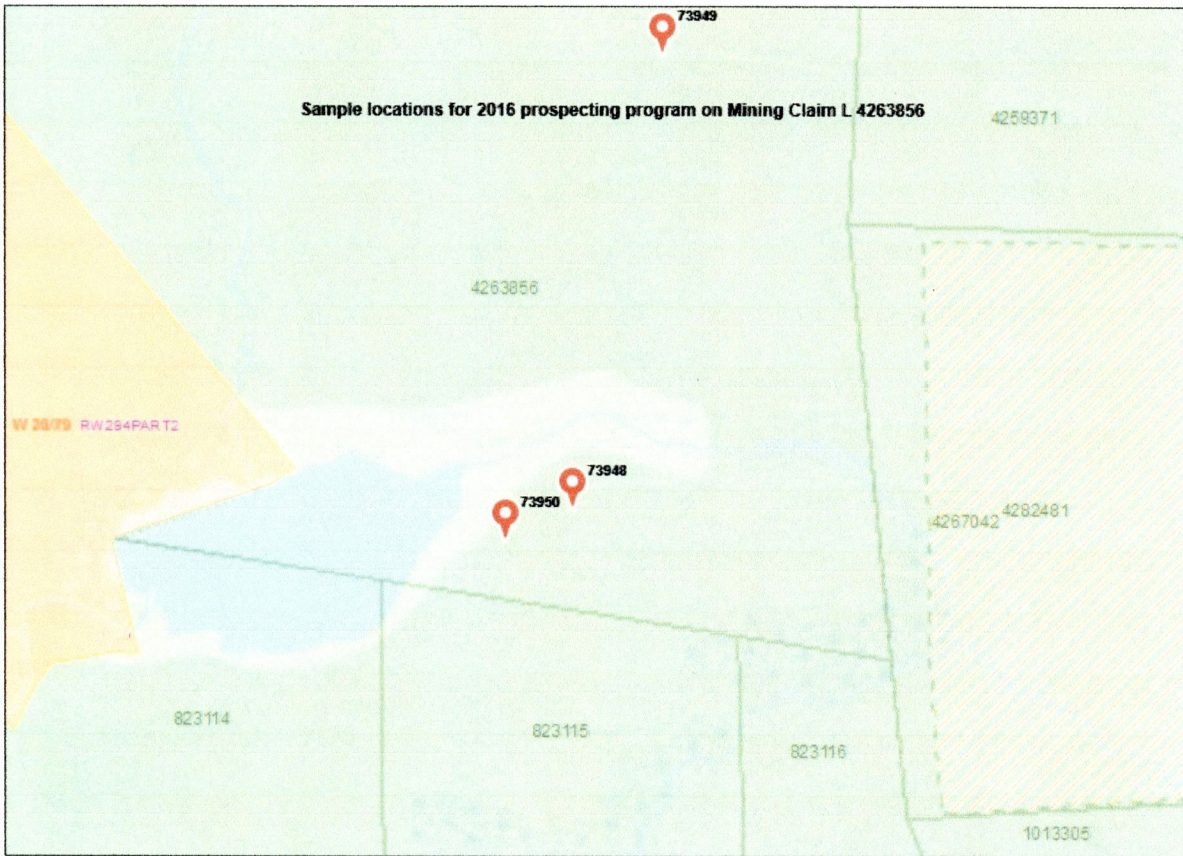
Sample Number	Au FA-AAS g/Mt
73948	0.05
73949	0.48
73950	1 0.01

1. No Reject

Certified by


Denis Chartre

1 Cameron Ave., P.O. Box 10, Swastika, Ontario P0K 1T0
Telephone (705) 642-3244 Fax (705) 642-3300



Legend

- Administration Boundaries**
 - Mining Districts
 - Resident Geologist District
 - Townships and Areas
 - UTM Grid
 - Geographic Lot Fabric
 - Other Federal Land
- Mineral Tenure Grid**
 - DMTG Tenure Grid
- Alienations**
 - Withdrawal
 - Notice
- Unpatented Claim**
 - Active
 - Reconferred
 - Pending
- Disposition**
 - Disposition
- Disposition Symbols**
 - Camp
 - Disposition Unknown/Pending
 - Freehold Patent Mining Rights Only
 - Freehold Patent Surface and Mining Rights
 - Land Use Permit
 - Leasehold Patent Mining Rights Only
 - Leasehold Patent Surface Rights Only
 - Leasehold Patent Surface and Mining Rights
 - License of Occupation Mining Use Only
 - License of Occupation Surface Use Only
 - License of Occupation Surface and Mining Rights
 - License of Occupation Uses Not Specified
 - Order in Council
 - Tower
 - WPLA
- Geology Layers**
 - 431C Sites
 - AMIS Features
 - Drill Holes
 - Mineral Occurrences

0 0.3 km

Projection: Web Mercator



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