



Mineral Exploration Research Centre
AT THE HARQUAIL SCHOOL OF EARTH SCIENCES



Laurentian University
Université Laurentienne

HARQUAIL SCHOOL OF EARTH SCIENCES
ÉCOLE DES SCIENCES DE LA TERRE

Mineral Exploration Research Centre MSc Opportunity, May 2019

The Mineral Exploration Research Centre is a semi-autonomous research centre in Sudbury, ON (merc@laurentian.ca). MERC is an internationally-recognized group of researchers within the Harquail School of Earth Sciences at Laurentian University.

The MSc project is a collaboration between MERC and a private company with a large land holding in the Temagami area of the Abitibi greenstone belt.

The MSc candidate will examine outcrops and sample DDH core in order to provide criteria for exploration for gold mineralization on the property by addressing questions such as:

- What is the nature of the host rocks hosting mineralization?
- What is the structural setting and types of alteration (mineralogy and litho-geochemistry) and how do these relate to gold mineralization?
- The nature of the gold and its elemental associations.
- What is the timing of the gold mineralization and associated hydrothermal alteration relative to deformation?
- What are the differences and similarities with the typical Abitibi gold deposits?

The project will take full advantage of the expertise of the research team in addition to access to the deposit site, core, analytical data, and in kind support of the company, to evaluate the geological setting and origin of the deposit. The project will also benefit from access to past and future exploration information, such as geophysical and geochemical data, in order to benefit the project.

Field work in the summers of 2019 and 2020 will be supported by the facilities in place with the logistical support of the company. The company will provide field support in the form of personnel to assist the student and all material required to undertake field work. The project team members will make visits to the site to oversee the work being done by the student.

To apply, please forward your application and cover letter to Courtney Folz at merc@laurentian.ca and reference the Job Identification Number: 2019 01. The application should include: a CV including a list of publications, academic transcripts, contact details and the names of three referees. Review of applications will begin immediately.

Laurentian University is a bilingual (French-English), tri-cultural institution. Laurentian University especially welcomes and encourages applications from members of visible minorities, women, Aboriginal persons, members of sexual minorities and persons with disabilities. Applicants may self-identify as a member of an employment equity group. All qualified candidates are encouraged to apply. However, Canadians and permanent residents will be considered first for these positions.