

CAREERS & RESEARCH



Mineral Exploration Research Centre
at the HARQUAIL School of Earth Sciences

Job Title:	MERC-Kinross MSc Project – Great Bear Deposit, ON
Job ID:	#2025-03
Project Description	<p>MERC, in partnership with Kinross Gold Corp., is seeking a MSc student to undertake a research project beginning in summer 2025.</p> <p>The Great Bear deposit is a new world-class gold deposit located in the Red Lake greenstone belt in northwestern Ontario. The property, owned by Kinross Gold Corporation, is bisected by a fault that bounds the so-called Mafic and Felsic domains. Existing research conducted in the Felsic domain of the Great Bear property has demonstrated that the stratigraphy hosting gold mineralization is younger than other established gold deposits in the nearby Red Lake gold camp. These results potentially provide evidence for a second major mineralization event in the greenstone belt. The proposed research, which aims to complement existing research in the Felsic domain, will investigate the petrogenetic origins and the emplacement of volcanic rocks and intrusions in the Mafic domain of the Great Bear property.</p> <p>The successful applicant will conduct detailed outcrop mapping and extensive core logging of representative sections in order to constrain the stratigraphy and emplacement of the volcanic succession. These constraints will form the basis for sampling for whole-rock litho geochemistry and U-Pb zircon geochronology by TIMS or LA-ICPMS. These results will provide important temporal constraints and help resolve whether the stratigraphy in the Mafic domain is conformable with the Felsic domain.</p> <p>The project is funded through a partnership with Kinross Gold Corp. and NSERC and will be supervised by Dr. Stefanie Brueckner and the Kinross Gold technical team.</p>
MERC	Laurentian University's Mineral Exploration Research Centre (MERC) in Sudbury, Ontario, Canada, conducts and promotes global, collaborative, lab- and field-based research focused on mineral deposits, exploration, and targeting. MERC hosts internationally recognized projects and researchers from academia, industry, and government. Together, faculty members, research scientists, and graduate students focus on mineral deposits, Precambrian geology, and exploration methodology and targeting. MERC also leads Canada's Metal Earth project, which is one of the largest university-led public geoscience projects in the world. https://merc.laurentian.ca/
Kinross Gold	Founded in 1993, Kinross Gold is a senior gold mining company with a diverse portfolio of mines and projects in the United States, Canada, Brazil, Chile, and Mauritania. Headquartered in Toronto, Canada, Kinross is focused on delivering value through operational excellence, balance sheet strength, disciplined growth, and responsible mining. https://www.kinross.com/
Funding	MERC MSc projects are fully funded for two years and include complete field and analytical support.
Laurentian University	Laurentian University is located within the territory of the Robinson-Huron Treaty of 1850 and recognizes its placement on the traditional lands of the Atikameksheng Anishnawbek, as well as its proximity to Wahnapiatae First Nation. As Canada's only university with a tricultural mandate, Laurentian offers an outstanding higher education and research experience in English and French, with a comprehensive approach to Indigenous education.
To Apply	To apply, forward your application with cover letter to sbrueckner@laurentian.ca , cc'ing merc@laurentian.ca and reference Job ID #2025-03. Your application should include a CV, academic transcripts, contact details and the names of three referees. Applications will be accepted until the position is filled.

