

CAREERS & RESEARCH



Mineral Exploration Research Centre
at the HARQUAIL School of Earth Sciences

Job Title:	HES-MERC-Hemlo Mining Corp. PDF, PhD and MSc Projects
Project Description	<p>Precambrian Geology and Gold Metallogeny of the Hemlo Greenstone Belt</p> <p>The Hemlo mine, located 30 km east of Marathon, ON, is one of the largest gold deposits in Canada. Its ore mineralogy and hydrothermal alteration halo is very atypical, with unique mineral assemblages due to a pronounced metamorphic overprint. Previous research in the 80s, 90s and early 2000s remained inconclusive, with the Hemlo deposit defined as volcanogenic, sedimentary-exhalative, epithermal, porphyry or orogenic. Through this project in partnership with Hemlo Mining Corp., we propose to bring together a diversity of expertise and integrate several geoscience disciplines to develop a comprehensive geological model of the Hemlo deposit and its host greenstone belt. Emphasis will be on the regional geology and exploration vectors, and the proposed work will address the effect of overprinting metamorphism on the mineralogical or geochemical and isotopic markers of the alteration that were documented by previous studies. HES-MERC, in partnership with Hemlo Mining Corp., is seeking a Post-Doctoral Fellow, two PhD, a MSc and several BSc students (summer field assistants) to undertake research projects beginning in May/June 2026 or January 2027.</p>
MERC	<p>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. MERC also leads Canada's Metal Earth project, which is one of the largest university-led public geoscience projects in the world.</p>
Laurentian University	<p>Located in Sudbury, Ontario, Canada, Laurentian University's Harquail School of Earth Sciences and its Mineral Exploration Research Centre (MERC) are home to award-winning faculty, researchers, and students focused on innovative research and teaching in a collegial and tri-cultural environment. The Harquail School of Earth Sciences and MERC are global leaders in mineral exploration training and research.</p>
Positions	<p>2026-H-PDF: Lithostratigraphy and Precambrian Evolution of the Hemlo Greenstone Belt The successful candidate should have a PhD degree with expertise in Precambrian tectonics and/or geochronology. Industry experience is an asset. Salary commensurate with experience.</p> <p>2026-H-PhD1: Regional Metamorphic Footprint of the Hemlo Deposit</p> <p>2026-H-PhD2: Gold Metallogeny of the Hemlo Mining Camp The successful candidates should have a MSc degree in geology with proven knowledge in mineralogy, geochemistry and economic geology. Industry experience is an asset. Stipend of \$34,000/year including a Graduate Teaching Assistantship.</p> <p>2026-H-MSc1: Structural Evolution and Mineralization Controls of the Musher Lake Area The successful candidate should have an undergraduate degree in geology with proven knowledge in structural geology and economic geology. Industry experience is an asset. Stipend of \$34,000/year including a Graduate Teaching Assistantship.</p> <p>2026-H-BSc: Summer Field Assistant The successful candidates should be pursuing an undergraduate degree in geology. Hourly rate.</p>
To Apply	<p>To apply, forward your application with cover letter to sperrouty@laurentian.ca, cc'ing merc@laurentian.ca and reference the position number in your email subject line. Your application should include a CV, academic transcripts, contact details and the names of three referees. Only short-listed applicants will be contacted and applications will be accepted until a suitable candidate is found. All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be considered first for these positions.</p>