

Multidisciplinary MSc: Determining Structural Controls on Gold Mineralization in the Long Range Mountains, west Newfoundland

This project is a fully, well-funded, multidisciplinary, field-based MSc, in partnership with Fishhawk Gold. The research area is located in the Long Range Mountains of the Appalachians of west Newfoundland and will involve a strong component of geologic mapping, combined with structural analyses and geochronology. The project area exposes Grenville basement and outliers of metasedimentary rocks of the Cambrian through Ordovician platform, which the candidate will be responsible for mapping at both regional and local scale. Detailed structural analyses and sampling at outcrop-scale will also be carried out with a goal of determining the timing of and structural control on gold mineralization.

The successful candidate will be offered a 3-month (Summer 2024) mapping contract with Fishhawk Gold, a subsidiary of Coordinates Capital, under the supervision of Dr. Shawna White of St. Mary's University. The work term rotation will be 3 weeks on, one week off. The summer salary will be competitive with current industry standards.

We are looking for applicants with a strong interest in geologic mapping and structural geology. The Department of Geology at SMU is dedicated to the development of a diverse and inclusive learning and research community. We strongly encourage all interested applicants to apply. Interested candidates should express interest ASAP, by emailing Dr. Shawna White (Shawna.White@smu.ca).

The Department of Geology at SMU hosts faculty members with a broad range of expertise in Appalachian geology. Its prime location, within the Northern Appalachians, allows for the study of orogenic processes right in our own backyard. The University is located in the historic port city of Halifax, Nova Scotia, a vibrant, urban community of over 350,000 people. Halifax is a major educational centre for Atlantic Canada and is home to five universities. It is conveniently located close to recreational areas and to other major urban centres in Canada and the Northeastern United States. For information about the University and the Faculty of Science, please see <http://science.smu.ca/>.

The project is fully funded through the support of NSERC Discovery and Fishhawk Gold and will be supervised by Dr. Shawna White (SMU). The successful candidate is encouraged to apply for external funding, through scholarship, during their program. The start date for summer field work is June 2024. Official MSc program start date is September 2024. With your email, please include the following: (i) a current CV; (ii) an unofficial academic transcript; and (iii) the names as well as contact information (email) of two referees.