

Critical mineral potential of the Golden Triangle

Demand for copper and other critical raw materials is expected to accelerate over the next few decades as Canada transforms its transport and energy sectors to renewable energy. The mineral sources of these raw materials, which often occur as bi-products during copper extraction are less well understood. We are currently seeking an outstanding MSc candidate (expected to start summer 2022) to address that knowledge gap and join a new Targeted Geoscience Initiative (TGI)-6 research activity in collaboration with the Geological Survey of Canada (GSC), British Columbia Geological Survey (BCGS), and the University of British Columbia Okanagan. The successful applicants will conduct field- and laboratory-based research to identify the main host mineral phases and concentrations of critical raw materials at one or more porphyry and epithermal deposits within the Golden Triangle, northwest British Columbia. Research results will contribute to the broader TGI-6 research program on critical raw materials and will be conducted with provincial and mineral exploration industry research partners. Student bursaries and analytical costs will be funded through the TGI program. Applicants should have an interest in mineral systems, geochemistry, and mineralogy. Prior geological field experience will be considered an asset for this position. Interested students should first send a resume, unofficial university transcript, and a brief letter of interest to Christopher Lawley (christopher.lawley@canada.ca).