

# Uncovering the Quesnel Terrane: Geoscience BC's Central Interior Copper- Gold Research Projects

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Geoscience BC's Central Interior Copper-Gold Research (CICGR) project is a major, multi-year initiative comprising a series of collaborative mineral exploration and earth science projects focused on the Quesnel terrane between Williams Lake and Mackenzie, British Columbia. This region has significant mineral potential; however, exploration is hindered by extensive Quaternary sediment units that obscure bedrock. The objectives of the CICGR projects are to investigate the potential for undiscovered mineral deposits buried beneath these thick surficial deposits, focus mineral exploration, attract investment, and provide information to improve natural resource decisions.

Two currently active CICGR projects will be the focus of this talk: a regional surficial exploration program, and an interpretation of publicly available geophysical data. Dave Sacco (Palmer) will discuss an optimized strategy for regional drift prospecting programs with examples from Geoscience BC's TREK and CICGR projects. Dianne Mitchinson (MDRU) will present a preliminary geophysical compilation from which intrusive rock targets that may be prospective for porphyry mineralization are identified and the thickness of Quaternary cover over the central Quesnel terrane is estimated.

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