Introduction

This collaborative project of the British Columbia Geological Survey and Geological Survey of Canada focuses on geology to create an integrated bedrock geology map for the Quesnel Terrane of central British Columbia through Project Geoscientists with Assistance through Phase Change to northern Lake. It enhances geological awareness and geo mapping in the area. The project targets the central area of the Quesnel Terrane by the Ministry of Energy and Mines Program (MIME). The project team consists of GBC through the QUEST Project and Geo Mapping (GBC). The team works with partners in the area to create a digital map and database available from various sources on the web.

This poster highlights the project, key data, and geological key points (significant areas). This project is part of a larger bedrock geology project (Quesnel Terrane Update Project).

Key points for the Quesnel Terrane Update Project:

- The rock map will be made through a training and awareness raising workshop (done) and follow up GIS work and data production.
- The new bedrock signature will be made through Prince George to Williston Lake.
- It contains primarily geophysical and geochemical data recently acquired by Geoscience BC.
- The characteristic chemical ratios of the 42 regional geochemical dataset for 1 km square grids. The characteristic bedrock lithology is represented by the chemical ratios of the 42 elements. The characteristic chemistry of Quesnel Terrane Triassic and Jurassic units.
- Bouguer interpretation of Airborne Vertical Transient Electromagnetic (VTEM). Geoscience BC QUEST dataset (Colin Barnett, Travis Ferbey, Gammon (GSC)).
- Magnetic data set from the Geoscience BC QUEST project.
- Bedrock geology of Quesnel Terrane, central British Columbia.
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