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COMMON-EARTH 3D MODEL OF THE SOUTH PART OF THE CHIBOUGAMAU MINING CAMP: PHASE 1 OF 2



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Common-Earth 3D Model of the South Part of the Chibougamau Mining Camp: Phase 1 of 2

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This project is conducted within the scope of the MRNF Copper Plan and the Geological Survey of Canada's Targeted Geoscience Initiative (TGI-3). The common-earth 3D model was built with the collaboration of mining companies active in the area. This model covers the south limb of the Chibougamau Anticline, including the volcanosedimentary band to the south and part of the Chibougamau Pluton.

The main objectives for phase I of the common-earth 3D modeling project in the south part of the Chibougamau mining camp are to:

- 1 Integrate and optimize the use of available multidisciplinary data in a single platform.
- 2 Build a regional common-earth 3D model using cartographic updates.
- 3 Validate the geological 3D model using geophysical inversions not constrained with the model.

The main result of this first part of the study is the concurrent production of the geological map and the 3D geological model, through an iterative validation process that made it possible to optimize the use of available data and to produce a geological model in three dimensions. The 3D model integrates three-dimensional surfaces and geological regions (volumes), drill holes, and unconstrained geophysical inversions.

