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Depositional and tectonometamorphic histories of Archean and Paleoproterozoic supracrustal rocks in the Tehery-Wager area of the Rae craton, Nunavut.

### Description

Stemming from new regional framework mapping, previously undocumented supracrustal rocks in the Tehery-Wager area (northwestern Hudson's Bay, Nunavut) may yield new evidence of the early tectonic assembly of the composite Rae craton around 2.7 Ga, as well as hold records of several regional metamorphic events from the Archean through Paleoproterozoic time. This project uses an integrated analytical approach, including whole-rock geochemistry, metamorphic petrography, phase equilibria modelling, and geochronology and trace element analyses on detrital zircon, in-situ monazite, and garnet, to decipher the depositional settings and tectonometamorphic conditions that once existed in this part of the Rae craton, and contribute to our understanding of the history of the Canadian Shield.