Project overview

The Fox River Belt forms a very large and well-preserved segment of the Circum-Superior Belt in northern Manitoba. Although several workers have contributed to understanding aspects of the Fox River Belt, major questions are unresolved, especially concerning its genetic (+ metallogenic) relationships with the Thompson Nickel Belt.

This compilation aims to provide: (1) an up-to-date geological map of the Fox River Belt; (2) a summary of the emplacement history and tectonic development of the belt, supported with new U-Pb geochronology and Sm-Nd isotope geochemistry; and (3) an assessment of broad genetic relationships between the Fox River Belt and the Thompson Nickel Belt. These outcomes are intended to inform exploration targeting Ni-Cu-PGE(sOsC) and Cu-Zn-Pb(SbAuAg) resources in the Superior Boundary Zone, and may contribute to land use planning decisions of the Keewatin Tribal Council and associated communities.

Acknowledgements and selected references

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