



In partnership with:



QUEBEC CANADA

Val-d'Or



### **Soissons NMEF Project - Location**





### Soissons NMEF Project – Location





# **Soissons Intrusive Suite**

- Host rocks to the WMC Ni-Cu-Co showings: Soissons Suite, identified by Qc government mapping 2013-2016:
  - Series of undeformed, post-tectonic mafic intrusions;
  - Troctolites, olivine gabbro-norite, monzonites, minor peridotites;
  - Dated at 1,311.1±1.1 Ma (Corrigan et al., in preparation), in >1.8 Ga highgrade metamorphic host rocks (granites, paragneisses with Gp-Sulf);
  - Series of km-scale intrusions found scattered over about 150 kilometers length;
  - NOT the roots of the Labrador Trough! This fact was unknown by WMC at the time;
  - Additional intrusions found by the QC government.
- Nain plutonic suite: **1,330 Ma 1,290 Ma.**
- Voisey's Bay: **1,332.7±1 Ma** (Amelin et al., 1999).
- The Soissons suite is similar in age to the Nain plutonic suite.

# MIDLAND Best Ni Results from 2018-2019 Exploration



Figure 17. Best nickel results from 2018-2019 samples on Northern Block 3

# Cu Results from 2018-2019 Exploration

IDLAND



Figure 18. Best copper results from 2018-2019 samples on Northern Block 3

# MipLAND Mineralized Troctolite from 2018-2019 Exploration



Figure 22. Pictures of highly anomalous troctolite outcrop (sample M825243) showing A) an overview of the outcrop and B) patches of sulphides on violet rusty surface



## Nickel vs. Magnesium Values



IDLAND

EXPLORATION



### Soissons NMEF Project Highlights

- Covers a series of troctolite, leuconorite and olivine-bearing gabbronorites intrusions (Soissons intrusive suite), recently dated about 1.3 Ga. The Soissons suite is of a similar age as the Nain plutonic suite, host to the Voisey's Bay world-class deposit.
- New nickel-copper mineralization found in 2018-2019 on one of the claims blocks:
  - ✓ 4 samples between 0.11 % Ni and 0.16 % Ni, 0.10 % Cu to 0.21 % Cu;
  - Ni-Mg diagrams indicates Ni anomalies are due to sulfides and not silicates.
- $\checkmark$  Very little previous exploration in the area.
- ✓ Partnership 50%-50% between Midland and the Nunavik Mineral Exploration Fund.