NORTHERNSHIELD RESOURCES INC.

Idefix - Labrador Trough

Platinum Group Elements in Northern Québec

Portions of the Labrador Trough host an extensive series of gabbroic sills which are known from past exploration to contain nickel, copper and Platinum Group Element (PGE) mineralization. These are the targets of Northern Shield's exploration efforts in that area. Over 500 km long, the gabbroic sills of the Labrador Trough represent one of the largest PGE targets in the world. Northern Shield has used its thorough knowledge and experience in PGE and magmatic systems to advance the Idefix project into one of North America's most significant PGE occurrences.

Main Properties Highlights

Idefix

- Up to 16.2 ppm Pt-Pd-Au PGE-bearing zone
- PGE-bearing zone currently well defined for >3 km
- Sampling to the north and south indicates possible strike length of ~5 km
- 34 continuous sawn channel samples averaging 1.4 g/t Pt+Pd+Au at La Colline, untested by drilling

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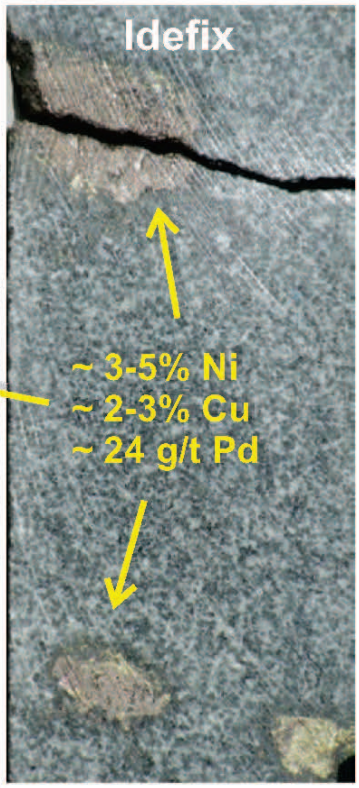
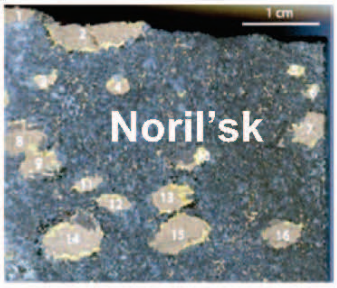
- High Pt:Pd ratios of 3:1
- Distinct layering in gabbro hosting the mineralization
- 600 m strike length with anomalous Pt+Pd+Au up to 1.1g/t

Globules are known to be indicative of nearby massive sulphides

Globules of sulphide were observed in almost every drill-hole along the Idefix Ridge

These are very similar to the globules observed adjacent to the massive sulphides at Noril'sk





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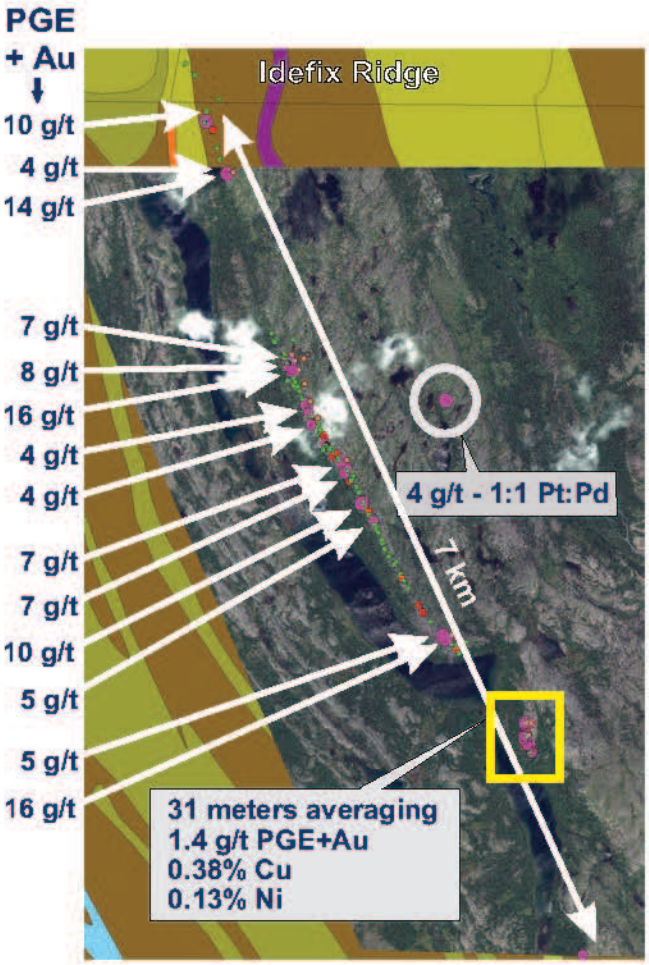
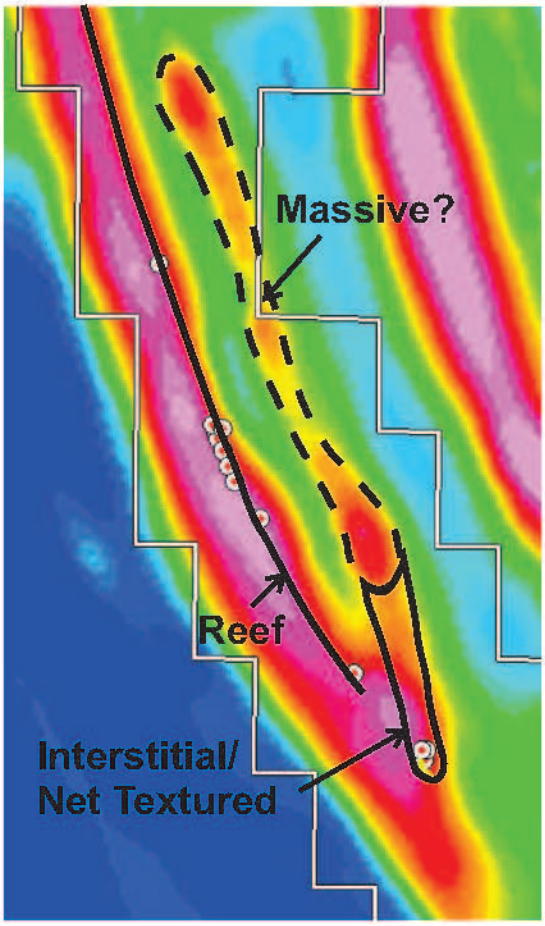
Mineralization at Idefix





The presence of Ni-Cu and PGE-rich sulphide globules in nearly every drill-hole indicates that at the time of formation of the Idefix gabbro, a pool of massive sulphide existed nearby. This body of massive sulphide, if it still exists, would carry similar grades to the globules, i.e., approximately 3-5% Ni, 2-3% Cu and 24 g/t Pd. The mineralization at La Colline does not appear to be reef-type mineralization as seen along the Idefix Ridge. It appears to be related to the globules and may represent interstitial (disseminated) sulphide mineralization on the periphery of the massive sulphide body. Interpretations suggest that this Noril'sk-type target may exist to the north of La Colline and east of the Idefix Ridge.