

INVENTUS

Dorland Co-Au-Cu-Ni Prospect

Sudbury, Ontario

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Executive Summary

The Dorland Prospect is 100% owned by Inventus Mining and is contained within the Sudbury 2.0 Project, a 280 km² mineral claim package. The prospect is located 35 km northeast of Sudbury, Ontario (Figures 1 & 2), and has nearby infrastructure including access by all season roads and an electrical grid 1.5 km away.

The prospect was discovered in 2021, where evidence of small-scale artisanal mining had occurred. The area has not seen any modern exploration efforts until Inventus conducted geological mapping, trenching and sampling of the prospect in 2022. A large 800 x 1,500 m alteration footprint was mapped and found to contain multiple occurrences of sulphide breccia with Au-Cu-Co-Ni mineralization. Samples of the mineralization have grades up to **2.6 g/t Au**, **0.51% Cu**, **1.2% Co** and **0.1% Ni**. The Dorland Prospect lies on the south end of the Laundry Lake Break, a >14 km structural zone that hosts multiple occurrences of Au-Cu-Co-Ni mineralization. The economic potential of the property is that of a near surface Au-Cu-Co-Ni sulphide ore deposit with deep roots.

District Highlights

- Excellent location and infrastructure
- Large structural alteration zone
- Strong geophysical anomaly

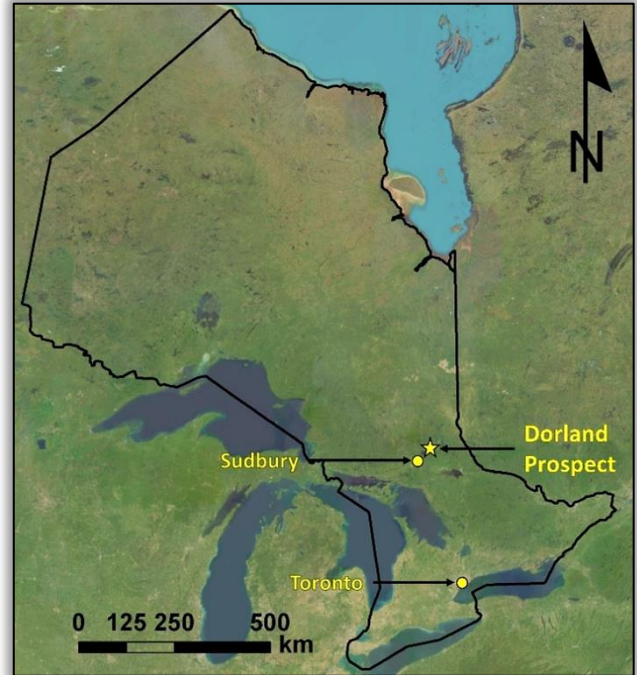


Figure 1. Location of the Dorland Prospect in Ontario.

Property History

The area contains multiple historic shafts and pits where artisanal mining occurred in the late 19th to early 20th century. There is no historic data on the historic artisanal mining.

Although limited exploration programs were conducted in the area between 1949 to 1994, there is no mention of the historic shafts or exploration in their vicinity. The shafts were discovered in 2021 and subsequently acquired by Inventus Mining.

Geology

The prospect lithology consists of altered and brecciated argillite of the Gowganda Formation within the Huronian Supergroup, a thick sequence of Paleoproterozoic metasediments that were deposited between 2.4 and 2.2 Ga. The metasomatism is the product of Na-Ca-Fe-rich fluids that altered the rocks between 2.2 and 1.85 Ga. Areas of intense alteration occur within structural zones and often form quartz-chlorite-carbonate breccias with sulphides filling open space voids. A large structural trend of this alteration and brecciation occurs through the property and has been termed the Laundry Lake Break (Figure 3). This structure appears to be the controlling feature for the metalliferous fluids. Along the northern trend of the structure is the Cobalt Hill Prospect where Inventus has drilled a sizable zone of Au-Co-Ni mineralization including a drill intercept of **111.45 m of 0.8 g/t Au**, **450 ppm Co** and **134 ppm Ni**. The Dorland prospect occurs on the southern extent of this trend where a large 800 x 1,500 m zone of alteration and sulphide breccia was mapped (Figure 4).

The alteration and mineralization at the Dorland Prospect appear to be identical to the Cobalt Hill Prospect with a stronger enrichment in cobalt mineralization.

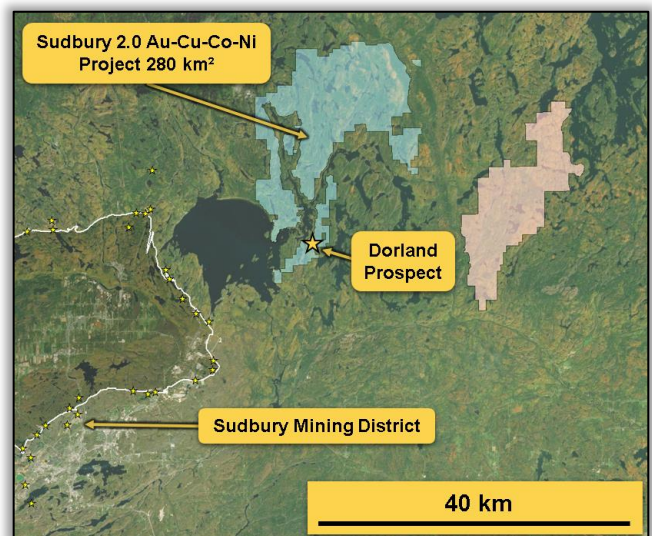


Figure 2. Location of the Dorland Prospect within the Sudbury 2.0 Project east of Sudbury Mining Camp.

Mineralization

The hydrothermal quartz-chlorite-carbonate breccia at Dorland contains visible pyrite and chalcopyrite sulphides and is enriched in Au-Cu-Co-Ni (Figure 5). Limited petrography and SEM work of the equivalent Cobalt Hill mineralization has determined the pyrite is enriched with Co-Ni and contains inclusions of chalcopyrite, pyrrhotite, pentlandite, chalcocite, gersdorffite and cobaltite.

Geophysics

The prospect is located along the southern extent of a large dense, magnetic, and conductive anomaly termed the Temagami Geophysical Anomaly. The Laundry Lake Break occurs above the western extent of this feature where it parallels a sharp discontinuity of the gravity anomaly. The geophysical signature reveals a deep-seated intrusion and possible source of the metalliferous fluids within the Laundry Lake Break.

Exploration Completed

Following the acquisition of the property by Inventus Mining in late 2021, a grassroots exploration program was conducted consisting of field mapping, trenching, and sampling. Results of the program identified a sizable alteration footprint and multiple additional occurrences of mineralized sulphide breccia.

Prospect Highlights

- High-grade cobalt mineralization
- Open at depth and towards the south
- Untested by drilling or geophysics

Opportunity and Economic Potential

Initial work at the Dorland Prospect has identified an excellent critical metals exploration target. Additional exploration including an induced polarization (IP) survey and maiden drilling program should be conducted. The mineralization is open at depth and to the south towards Boot Lake where no outcrop is present. The abundance of sulphide makes this mineral system highly suitable for IP geophysics which could delineate a subsurface drilling target.

The age, geological setting, alteration, and Au-Cu-Co-Ni mineral association have indicated an IOCG-subtype mineral system. Potential exists to discover a near surface Au-Cu-Co-Ni sulphide ore deposit with deep roots.



Figure 5. Sample of Au-Cu-Co-Ni Mineralization from the historic shafts composed of quartz-chlorite-carbonate-pyrite.

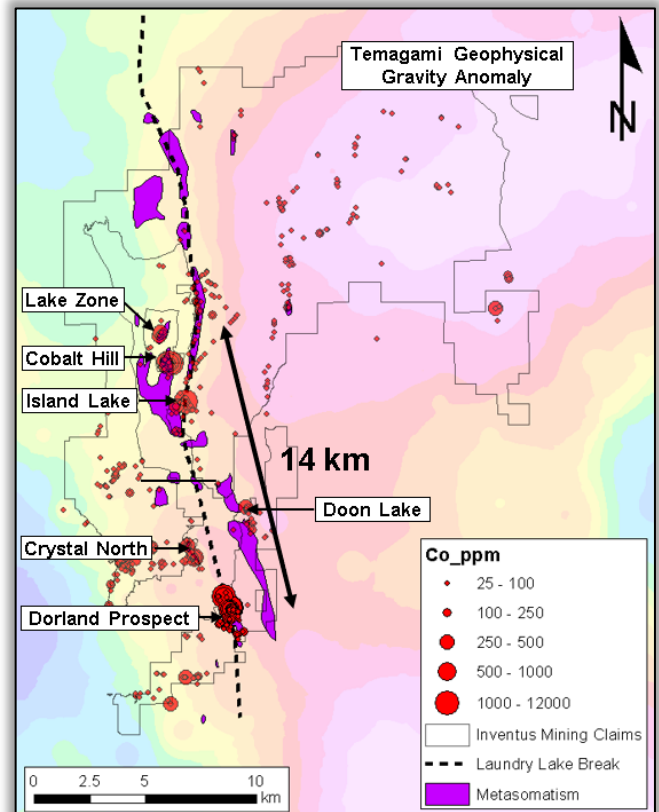


Figure 3. Location of the Dorland Prospect along the Laundry Lake Break with contoured gravity anomaly background illustrating the Temagami Geophysical Anomaly.

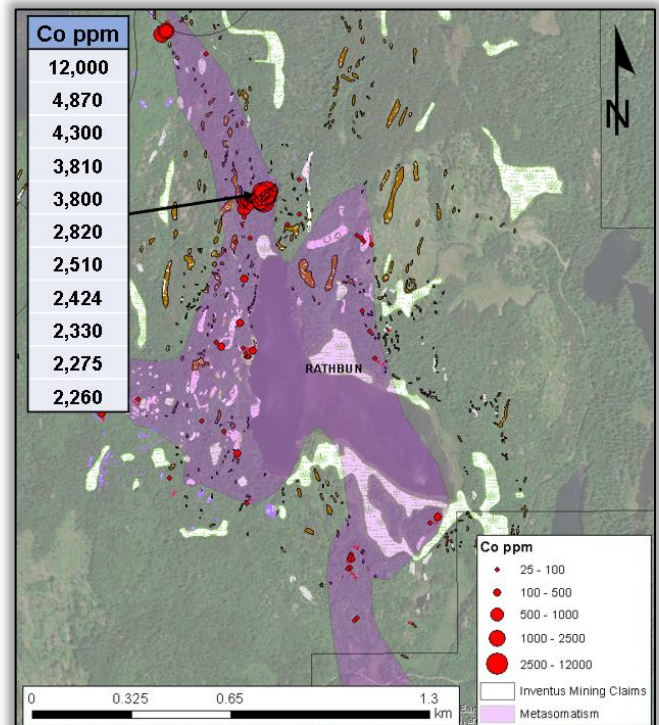


Figure 4. The Dorland Prospect geology showing outline of hydrothermal alteration, brecciation and sample locations.