

Donner Lake Cu-Au-Ag

LOCATION: The Donner Lake property is located in southeastern Manitoba, near Cat Lake, about 120 km northeast of Winnipeg. Access to the property is via logging roads either from PR#304 north of Pine Falls/Powerview or from PR#314 north of Lac du Bonnet.

CLAIMS: The property consists of one staked mining claims, DONN MB7169, which totals 32 ha in area. Surrounding ground is open for staking.

GEOLOGY: The DONN claim covers a Cu-Au-Ag showing in mafic volcanic rocks and nearby magnetic anomaly related to a small gabbro-pyroxenite intrusion. This area lies at the contact between the Maskwa pluton with the Cat Lake volcanic belt. Local geology consists of a mix of mafic volcanic rocks, mafic intrusions related to the Bird River Sill and granite/tonalite.

An old trench in an area of basalt volcanics near the north shore of Donner Lake exposes a two meter thick zone of rusty chlorite-amphibolite, disseminated to semi-massive sulphide mineralization and quartz veining. Chalcopyrite, along with minor pyrrhotite and pyrite, occurs as disseminations and stringers. Grab samples have returned up to 4.6 % Cu, 0.04 oz Au / ton and 0.86 oz Ag / ton. Drilling in 1956 cut 2.03 % Cu and 0.52 oz Ag / ton over seven feet in “siliceous andesite” under this trench.

A ground magnetic survey was completed in early 2003 over the copper showing and aeromagnetic anomaly situated about 500 m to the southwest. A humus/peat geochemistry survey was completed over the magnetic anomaly during summer, 2003. Most samples were collected at a depth of 2 m with a hand auger in a spruce bog area. This survey outlined a copper anomaly which corresponds fairly closely to the magnetic anomaly, and appears to lie along the base of the gabbro-pyroxenite intrusion. The highest copper geochemistry result, 325 ppm, came from a sample point near the highest magnetic response.

Although the mineralization model remains somewhat uncertain at this time, it is believed to relate to the overlying Bird River Sill, which hosts significant Ni-Cu mineralization at the nearby Mayville property held by Mustang Minerals.

RECOMMENDATIONS: A small program of electromagnetic geophysics, either ground and/or airborne, with drilling of significant conductors, is recommended.

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