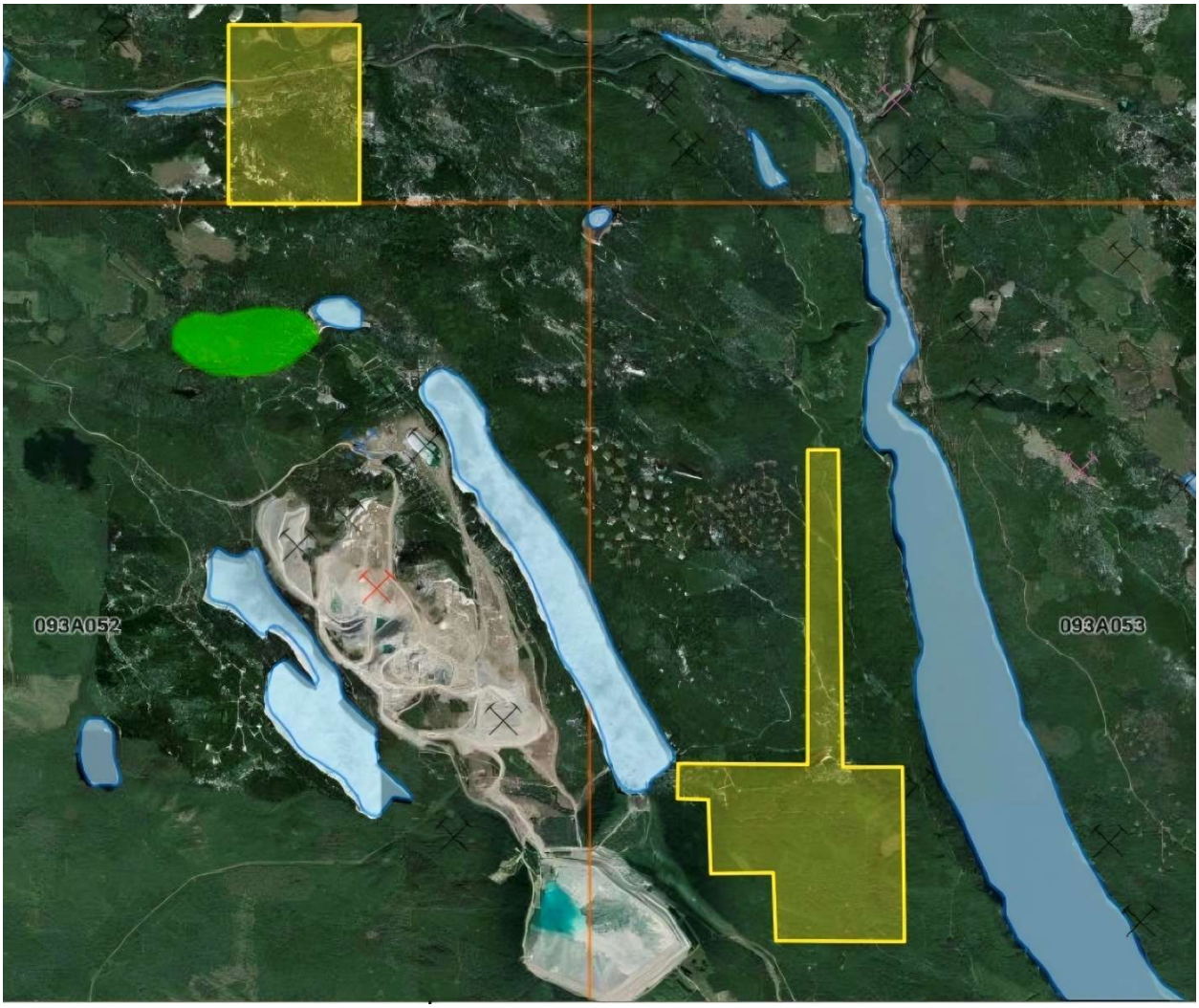
North Polley/Polley Lake Property

Alkalic porphyry Cu-Au

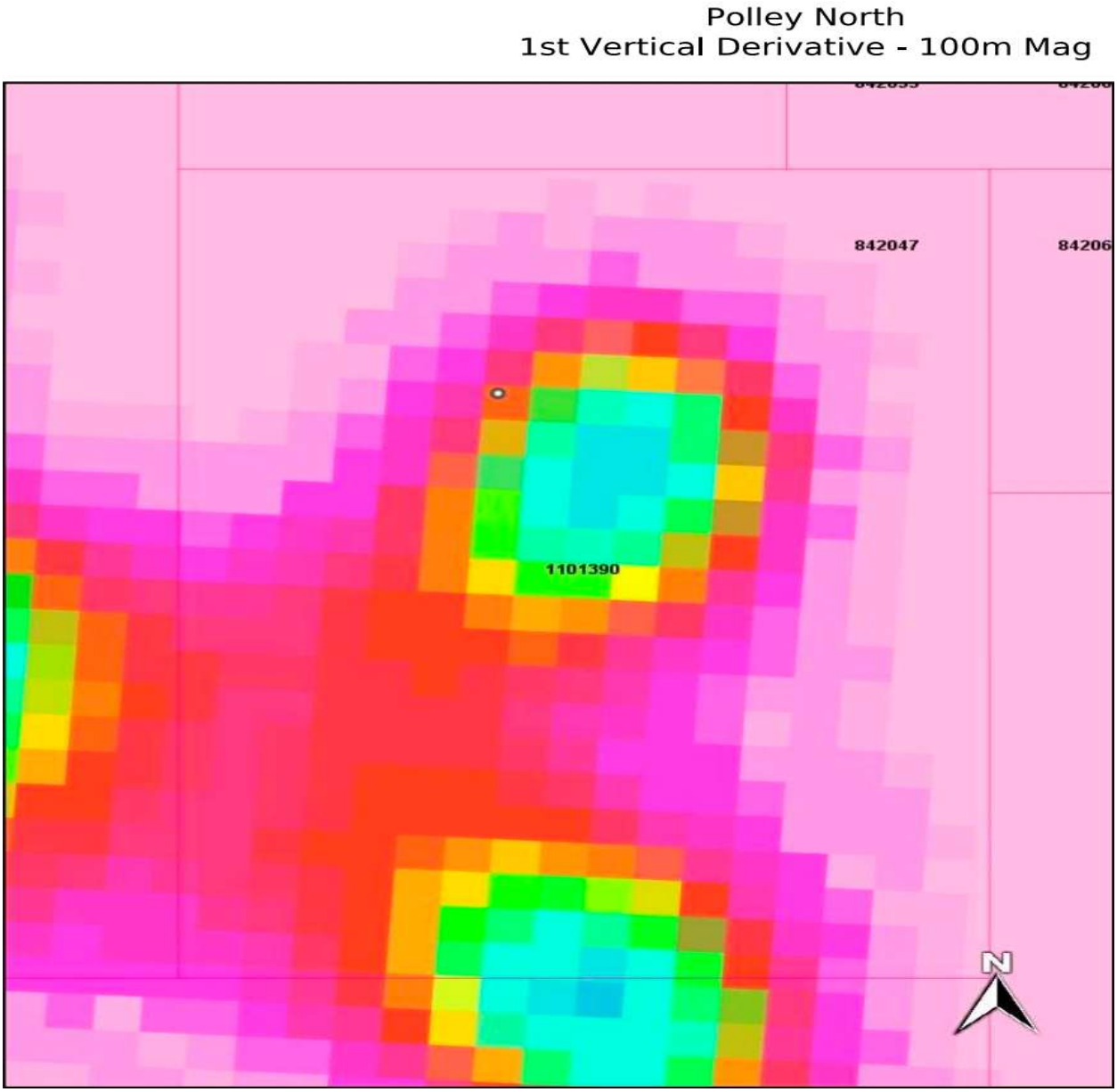
Tenures 1101390, 1112234, 1121170 Area 1100.66 Hectares

The North Polley/Polley Lake property consists of three mineral claims (56 cells) totalling 1100.66 ha located 56km northeast of Williams Lake. The Property is easily accessible year-round via the paved Likely Road extending from 150 Mile House on Highway 97 to Likely that transects the Property. Various forest service roads and mining exploration roads and trails allow access to most parts of the Property.



North Polley/Polley Lake claim group and the producing Mt Polley Mine.

The region is host to numerous porphyry copper-gold deposits and prospects near the North Polley/Polley Lake Property. The currently producing Mount Polley mine is situated within a few km's of the properties and was a major producer of gold, copper and silver. As of January 2020, Mount Polley's Proven and Probable Reserves were 53.8 million tonnes of ore grading 0.34% copper, 0.30 grams per tonne gold and 0.9 grams per tonne silver, equating to 400 million pounds of copper, 517,000 troy ounces of gold and 1.55 million troy ounces of silver. The 2025 production target for Mount Polley is 25.0-27.0 million pounds copper and 35,000-40,000 ounces gold. Chalcopyrite and bornite are the main copper-bearing minerals of value at the Mount Polley mine.



Magnetic Survey map showing high readings on Polley North.

Deposit Type: L03: Alkalic porphyry Cu-Au

Alkalic porphyry Cu-Au deposits (L03) are economically vital, metal-rich systems linked to alkalic (e.g., monzonitic) intrusions in island arc settings, common in BC (Galore Creek, Mt. Polley) and Australia (Cadia), featuring high grades of copper and gold, often with magnetite and PGEs, distinguishing themselves by high-temperature alteration and unique mineralogy (chalcopyrite, bornite, gold, magnetite), and representing significant global resources.

Key Characteristics

- **Host Rocks** Associated with alkalic intrusive rocks like monzonites, monzodiorite, and syenites, often in island arc settings.
- **Metals** Primarily Copper (Cu) and Gold (Au), with Silver (Ag), Platinum Group Elements (PGEs), Molybdenum (Mo).
- **Key Minerals** Chalcopyrite, magnetite (often abundant, sometimes mined as iron ore), bornite, gold, pyrite, with associated tellurium (Te) and fluorine (F).
- **Alteration** Distinctive alteration patterns, including potassic alteration (biotite, K-feldspar) and calc-silicate.
- **Associated Deposits** Can be linked to skarns, epithermal veins, and mantos.

It is the author's opinion that high potential exists for significant porphyry-style copper-gold mineralization on the Property, in which bedrock exposures have been obscured by Quaternary glacial-derived sediment cover. Evidence of similarities in the Property to significant Porphyry deposits include similar aged volcanic and intrusive rocks, throughgoing structure similar to that found at nearby major deposits, similar magnetic signatures and anomalous geochemical signatures

This property is offered for sale by way of cash or working option to purchase.
Preference given to companies willing to fund further exploration.
For more information, please contact:
Micheal Langille (250) 353-1723 riverroseresourcesltd@gmail.com

RIVER ROSE RESOURCES LTD

MINERAL EXPLORATION AND DEVELOPMENT

View other available properties at: http://www.riverroseresources.com

River Rose Resources Ltd