

41 BC-BCGS

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## INDIAN RIVER PROJECT

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Fieldwork during the summer of 1986 and subsequent weekend trips has been concentrated on the Hopkin's property at the headwaters of the Indian and Stawamus Rivers. The property consists of 11 claims owned by International Maggie Mines (Canada) Limited. The property has two main showings, one is low grade stratiform volcanogenic and stringer mineralization; the other is vein mineralization in a hornfelsed zone that carries significant gold values. Corporation Falconbridge Copper Ltd. assisted in field support.

Mapping, at 1:2500 and 1:1000 scales, has been consolidated onto one 1:1000 base map. A 1.5km by 0.9km map is presently being prepared for Geological Fieldwork 1986. Thirty-six thin sections have been studied. Rock samples are to be selected soon for K-Ar, Rb-Sr and galena Pb-Pb dating, and whole rock analyses.

Main points about the area are:

1. present work and mineralization is within the eastern end of the Britannia pendant, which is surrounded by granodiorite intrusions of the Coast Range.
2. rocks in the pendant are Upper Jurassic to Lower Cretaceous Gambier Group tuffs, tuff sediments, cherts and argillites.
3. rocks strike generally northwest and dip moderately to steeply southwest. Tops are up to the southwest.
4. there are two main mineralized zones:
  - (a) low grade mineralization established by drilling as a stratiform horizon at the top of a rhyolite unit; some associated stringer mineralization has been located, and
  - (b) a quartz-chlorite vein with variable sulphide grades and anomalous gold values; this area is in a zone hornfelsed by the Coast intrusions.
5. the axis of a provisional anticline, with an axis plunging gently to the southeast, passes through the centre of the map area.

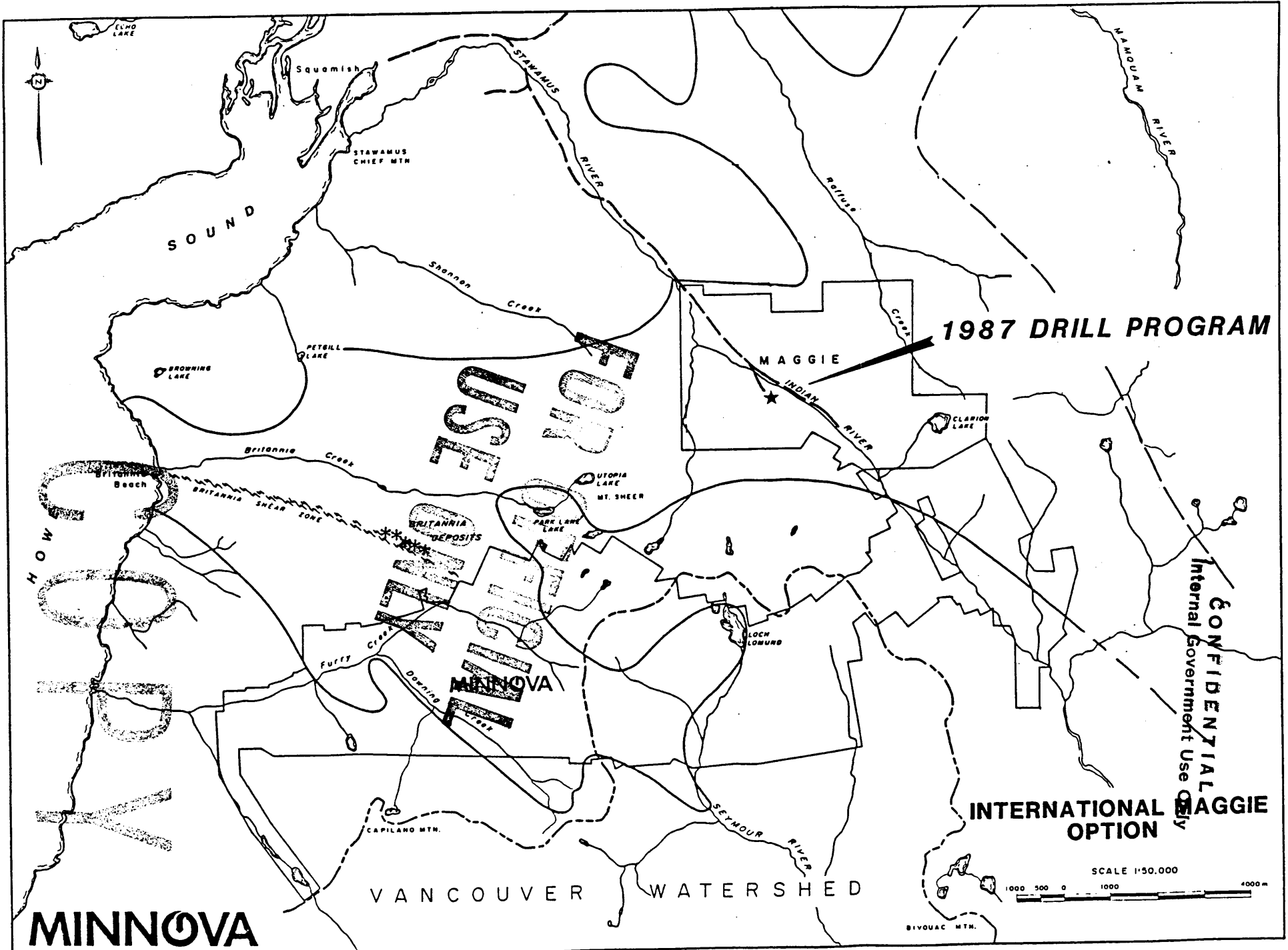
Plans for future work are to:

1. complete a larger area of mapping
2. determine the extent of the hornfelsed area and its relationship to mineralization,
3. examine drill core and other mineralized areas,
4. examine alteration around the mineralized areas, and
5. establish details of the provisional anticline.

Structure with correlation with Britannia (A la Pa)

Condierite then aureole

- Interaction with Corp. Falc.? Reference Rpts. (eg. AR).



**1987 DRILL PROGRAM**

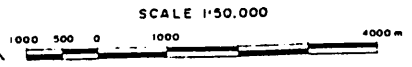
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