

PRODUCT

COPPER

PROVINCE OR
TERRITORY

British Columbia

N.T.S. AREA 93 N/14

REF. CU 6

NAME OF PROPERTY

RONDAH (RHONDA) (DOREL)

OBJECT LOCATED - Prospect No. 104, Fig. 29, GEM 1971.

UNCERTAINTY IN METERS 500. Lat. 55°54'40" Long. 125°17'05"

Mining Division **Qmineca** District **Cassiar**

County Township or Parish

Lot Concession or Range

Sec Tp. R.

OWNER OR OPERATOR AND ADDRESS

DESCRIPTION OF DEPOSIT

The property is underlain by diorites, monzonites, and syenites of the Jurassic or Cretaceous Qmineca Intrusions. Dykes of all these units cut basic pyroclastic and volcanic members of the Takla Group along the eastern boundary of the property. Mineralization on the property consists mainly of pyrite, chalcopyrite, and minor bornite disseminated and in fractures within feldspathized monzonitic rocks. At the main showing, in the northeast corner of the property, copper occurs mainly in a monzonite dyke cutting altered porphyries of the Takla Group; magnetite is a common accessory; pyrite and magnetite with rare chalcopyrite were noted in the volcanics adjacent to the dyke. In the 'B' grid, in the southwest quarter of the property, trenching exposed very low grade copper in diorite. Percussion drilling in the 'C' zone, near the centre of the property, indicated low grade copper.

Associated minerals or products of value

HISTORY OF EXPLORATION AND DEVELOPMENT

The property is located between elevations of 3,700 and 6,200 feet about 36 miles northwest of Manson Creek.

Kennco Explorations, (Western) Limited held the Dorel and Rhonda claims groups and during 1961-1963 carried out geological, geochemical, and geophysical surveys.

Tyee Lake Resources Ltd., incorporated in 1969, acquired the Rondah, Duck, and Duke claim groups by staking. Work during 1970 included geological mapping, an induced polarization survey over 10 line-miles, a geochemical soil, silt, and rock chip survey, trenching, and 3,000 feet of diamond drilling in 5 holes to explore coincident anomalies; the most significant mineralization reported was a 180-foot section assaying 0.5 per cent copper and 0.02 per cent molybdenite.

In June 1971 a joint exploration agreement was reached with Cominco Ltd. and Marubeni-Iida (Canada) Limited. Work during the year included geophysical and geochemical surveys, trenching, and percussion drilling in 10 holes totalling 2,000 feet. This work indicated a zone 100 feet wide and at least 400 feet long grading about 0.4% copper. Cominco and Marubeni continued the exploration work in 1972, including induced potential and ground magnetometer surveys over 8 line-miles, trenching, and 1,180 feet of percussion drilling in 8 holes on the Duck claims. Reserves are reported at 9,072,000 tonnes at 0.7% copper (BCDM - Reserve Inventory). Cominco and Marubeni-Iida abandoned the option agreement. No further work was carried out and Tyee Lake Resources allowed the claims to lapse in 1976.

Mineral Resources Branch, Department of Energy, Mines and Resources, Ottawa.

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HISTORY OF PRODUCTION

REFERENCES

Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1970, p. 185; 1971, p. 213; 1972, p. 455.
 Mineral Policy Sector; Corporation Files: "Tye Lake Resources Ltd."
 Reports of Minister of Mines, British Columbia: 1961, p. 116; 1962, p. 134; 1963, p. 129.

MAP REFERENCES

Map 844 A, Takla, (Geol.), Sc. 1":4 miles (1946).
 #Preliminary Geological Map of Part of Hogem Batholith, Duckling Creek Area, Sc. 1":3 miles, Fig. 29, Geology, Exploration, and Mining, 1971, British Columbia Dept. of Mines.
 Map 93 N, Manson River, (Topo.), Sc. 1:250,000.
 *Map 93 N/14, Discovery Creek, (Topo.), Sc. 1:50,000.

REMARKS

Comp./Rev. By	DMacR	DMacR					
Date	8-74	11-76					