

NAME OF PROPERTY BORNITE RIDGE

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OBJECT LOCATED - #15, Map 92 I/SE (MI).

UNCERTAINTY IN METRES 400. Lat. 50°25'20" Long. 120°55'50"

Mining Division Kamloops District Kamloops

County Township or Parish

Lot Concession or Range

Sec Tp. R.

OWNER OR OPERATOR AND ADDRESS

**DESCRIPTION OF DEPOSIT**

Outcrops in the area around the showing consist of fine to medium-grained granodiorite of the Chataway variety of the Highland Valley phase of the Guichon Creek batholith. The rock contains 20 per cent hornblende which is blocky and relatively evenly distributed.

The showing consists of narrow, pinching and swelling, branching quartz veins ranging up to 20 centimetres in width which carry pockets of bornite with some chalcopyrite and tetrahedrite. Sulphides fill vugs in the quartz veins. Malachite stains fractures in the veins. The main set of veins occur within a limonitic shear zone. Other quartz veins seen have narrow alteration envelopes. The mineralized zone trends north-northeast and can be traced for roughly 60 metres.

Typically the quartz veins have dip angles about 25 degrees toward the northwest but a few dip about 60 degrees. Two sets, one striking 010 to 020 degrees and the other 060 to 070 degrees, have gentle dips. Strikes for the only two moderately dipping veins encountered were 050 and 095 degrees.

Associated minerals or products of value see Card 2 ....

**HISTORY OF EXPLORATION AND DEVELOPMENT**

The showings are located at approximately 5,000 feet elevation 1 mile west-northwest of the north end of Billy Lake, some 6 miles southeast of the Bethlehem mine.

Jericho Mines Ltd. discovered the copper showing on Bob 23 claim in 1958. A road was built to the showing in 1959 and a geophysical survey and diamond drilling carried out in 1960.

Canadian Superior Exploration Limited optioned the Jericho property in 1966 and carried out geological mapping, geochemical soil and induced potential surveys in the vicinity of these showings.

By a March 1971 agreement Highmont Mining Corp. Ltd. and Teck Corporation Limited optioned the Jericho Mines property with Jericho retaining a 30% interest. Diamond drilling in 2 holes was carried out on the Bornite Ridge showing in 1973.

HISTORY OF PRODUCTION

REFERENCES

Report of Minister of Mines, British Columbia:  
1958, p. 24; 1960, p. 26; 1966, p. 159.

Geology, Exploration, and Mining, British Columbia Dept.  
of Mines: 1974, p. 141 + .

Mineral Policy Sector; Corporation Files: "Jericho  
Mines Ltd."

MAP REFERENCES

Geology of the Guichon Creek Batholith, Sc. 1":2 miles,  
Fig. 2 - accomp. Bulletin No. 56, British Columbia  
Dept. of Mines, 1969.

Map 886 A, Nicola, (Geol.), Sc. 1":4 miles - accomp.  
Memoir 249, Geol. Surv. of Canada.

#Map 92 I/SE (MI) (Mineral Inventory), British Columbia Dept.  
of Mines.

\*Map 92 I/7, Mamit Lake, (Topo.), Sc. 1:50,000.

REMARKS

Comp./Rev. By	DMacR						
Date	1-77						

PRODUCT

COPPER

PROVINCE OR  
TERRITORY

British Columbia

N.T.S. AREA 92 I/7

Card 2 -  
REF. CU 13

NAME OF PROPERTY

BORNITE RIDGE

## DESCRIPTION OF DEPOSIT (continued)

In general, rocks adjacent to the showing have chloritized mafic minerals and incipient sericite alteration of plagioclase although they are not closely fractured. Some fractures have K-feldspar-epidote stringers along them, some have coarsely crystalline secondary K-feldspar with or without quartz and resemble pegmatite dykes, and others are coated by quartz-epidote or chlorite with some bornite. One thin quartz vein had epidote selvages and a pink K-feldspar envelope. Plagioclase is extensively sericitized and mafic minerals are strongly chloritized close to veins and progressively less altered away from them. (GEM, 1974).