

NAME OF PROPERTY NAT, GAP (GAZA)

OBJECT LOCATED - #70, Map 92 I/SE (MI).

UNCERTAINTY IN METRES 600 Lat. 50°26'50" Long. 120°57'10"

Mining Division Kamloops District Kamloops

County Township or Parish

Lot Concession or Range

Sec Tp. R.

OWNER OR OPERATOR AND ADDRESS

DESCRIPTION OF DEPOSIT

The property is underlain by quartz diorite of the Upper Triassic to Mid Jurassic Guichon Creek Batholith. The showings occur along a contact between the Guichon and Chataway varieties of the Highland Valley phase. Chalcopyrite and bornite occur in kaolinized shear zones in the quartz diorite. In a stripped area at the main showing, measuring approximately 100 by 100 feet, irregular east-northeasterly shears as much as 2 feet wide contain chlorite, sericite, and malachite, and they occur mainly in the younger quartz diorite, which is strongly fractured on steep planes trending predominantly north-northeasterly and easterly respectively. The fractures exhibit potash feldspar alteration and they contain malachite. Zeolites such as stilbite and heulandite occur on some fractures and may be post-mineral. At the southwest side of the showing, older Guichon- or Chataway-type quartz diorite contains aplite veins, potash feldspar alteration, and fractures and shears with malachite on trends partly similar to those previously mentioned and partly northeasterly. The over-all grade at the showing was judged to be approximately 0.3 per cent copper.

HISTORY OF EXPLORATION AND DEVELOPMENT

The main showings are located at the 4,800 foot elevation on the south side of the Highland Valley 1 mile southwest of Indian Reserve 15.

Gaza Mines Ltd., incorporated July 1964, acquired 8 claims and subsequently optioned an additional 36 claims. Diamond drilling was reported in 1964 and 1966. In 1968 the company held 38 recorded claims in the Nat, Gap, Bud, and Fargo groups. Work during the year included 400 feet of percussion drilling.

Tremar Minerals Limited optioned the property in May 1969. Work during 1969 and 1970 included an induced potential survey over 16 line-miles and 3,450 feet of percussion drilling in 11 holes on Gap 1 and 2. The company name (Tremar) was changed in 1971 to Gary Mines Ltd.

By March 1971 agreements, the Gaza and adjacent Jericho (92 I/7, Cu 2) properties were optioned to Highmont Mining Corp. Ltd. and Teck Corporation Limited. Work included percussion drilling on the Nat claims. During 1972 percussion drilling totalling 2,100 feet in 7 holes was done on Nat 1, 2, 3, and 5. Diamond drilling in 1973 was done in 7 holes totalling 2,289 feet. A geochemical soil survey (288 samples) was carried out over the Gaza and Jericho properties in 1974.

Associated minerals or products of value

120246
Mineral Development Sector, Department of Energy, Mines and Resources, Ottawa.

HISTORY OF PRODUCTION

REFERENCES

Report of Minister of Mines, British Columbia: 1968, p. 193 + .

Geology, Exploration and Mining; British Columbia Dept. of Mines: 1969, p. 253; 1970, p. 345; 1971, p. 348; 1972, p. 169; 1973, p. 175; 1974, p. 143.

Mineral Policy Sector; Corporation Files: "Highmont Mining Corp. Ltd."; "Gary Mines Ltd."

Canadian Mines Handbook: 1965.

Financial Post Survey of Mines, 1966, 1967.

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.

#General Geology of the Sheba Property, Fig. 42 - accomp. Geology, Exploration, and Mining, 1971.

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

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

REMARKS

Comp./Rev. By	DMacR						
Date	1-77						