

NAME OF PROPERTY

PEN (YUBET) (STELLAKO)

OBJECT LOCATED - #150, Map 92 I/SE (MI).

UNCERTAINTY IN METRES 300. Lat. 50°23'00" Long. 120°57'25"

Mining Division Kamloops District

County Township or Parish

Lot Concession or Range

Sec Tp. R.

OWNER OR OPERATOR

DESCRIPTION OF DEPOSIT

Bornite and chalcopyrite occur in quartz veins in an aplite dyke within the Bethsaida phase of the Guichon Creek batholith. The north-trending zone of mineralization has a length of about 800 feet and a width in places as much as 60 feet. Although at surface the structure appears to dip steeply, drilling failed to show that mineralization persists to depth.

HISTORY OF EXPLORATION AND DEVELOPMENT

The property is located at approximately 5,200 feet elevation $\frac{1}{2}$ mile south of Roscoe Lake and $3\frac{1}{2}$ miles south-east of the Highmont Mining property.

Copper mineralization was exposed by bulldozer trenching in July 1965 on the Yubet group of 8 claims, which were recorded in the name of Estey Enterprises. The property was transferred to Stellako Mining Co. Ltd. and adjacent claims were optioned. By an August 1965 agreement Noranda Exploration Company, Limited provided exploration funds through the purchase of 200,000 shares of Stellako. Work during 1965-66 included induced potential, magnetometer, and geochemical soil surveys. Diamond drilling on the main showing, on Yubet 7 and 8 claims, was done in about 21 holes.

Highmont Mining Corp. Ltd. acquired the property as the Pen 1-8 claims in 1970. Work included geological mapping, an electromagnetic survey over 10 line-miles, an induced potential survey over 7 line-miles, and trenching. Two pockets of mineralization on Pen 8 were reported to contain estimated reserves of 33,750 tons at 2.25 per cent copper and 12,000 tons at 1 per cent copper (Assessment Report 2901, BCI 92 I/SE - 150).

In 1974 a VLF electromagnetic survey was carried out over 8 line-miles. Highmont Mining in 1977 amalgamated with Torwest Resources (1962) Ltd. under the name Highmont Mining Corporation. Highmont was amalgamated with Teck Corporation in September 1979. Diamond drilling in 2 holes (123 m) (northern zone - BCI #144 ?) in 1983 indicated erratic and shallow mineralization. Percussion drilling (484.6 m in 6 holes) in 1985 extended the south zone but failed to verify any vertical or horizontal extent of the northern zone.

HISTORY OF PRODUCTION

REFERENCES

Reports of Minister of Mines, British Columbia:
1965, p. 151; 1966, p. 162 + .

Geology, Exploration and Mining, British Columbia Dept.
of Mines: 1970, p. 330; 1974, p. 138 ++ .

Mineral Policy Sector; Corporation Files: "Stellako
Mining Co. Ltd."; "Highmont Mining Corporation".

Exploration in British Columbia; BCDM: 1983, p. 276;
1985, p. 196.

MAP REFERENCES

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

Map 5212 G, Mamit Lake, (Aeromag.), Sc. 1":1 mile (1968).

#Map 92 I/SE (MI), Merritt (Mineral Inventory), Sc. 1":
2 miles (approx.), British Columbia Dept. of Mines.

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

REMARKS

Comp./Rev. By	DMacR	DMacR					
Date	10-78	04-87					