

NAME OF PROPERTY

MER

OBJECT LOCATED - #28 - Map 92 I/NW (MI)

UNCERTAINTY IN METRES 300. Lat. 50°30'10" Long. 121°08'00"

Mining Division	Kamloops	District
County		Township or Parish
Lot		Concession or Range
Sec	Tp.	R.

OWNER OR OPERATOR AND ADDRESS

DESCRIPTION OF DEPOSIT

The claims are underlain mainly by granodiorite, including Bethlehem and Bethsaida phases, of the Lower Jurassic Guichon Creek Batholith. Three small outcrops of post intrusive Kamloops volcanics were observed within the property. At the main showing, on MER 5 & 6 claims, stripping exposed granodiorite that is cut by a northwesterly narrow dyke of Bethlehem phase granodiorite and both rocks show argillic bleaching, partial chloritization of hornblende crystals, some sericitization, and the local introduction of irregular quartz veins as much as 3 inches wide. Bornite is locally disseminated in chloritized patches in the rocks and is partly concentrated near quartz veins and fractures. The showing is apparently limited on the southeast by a north-easterly fault which dips west at about 60 degrees. As exposed in a trench farther to the southwest, the mineralization mostly adjoins northerly fractures which dip steeply west and consists of nests and platings of coarsely crystallized chalcopyrite and molybdenite. Other showings consist of fine blebs of chalcocite associated with biotite flakes in the Bethlehem phase granodiorite.

Associated minerals or products of value

HISTORY OF EXPLORATION AND DEVELOPMENT

The property is located on the south side of the Highland Valley, west and southwest of Twentyfour Mile Lake (Indian Reserve No. 12). The main showing is at about the 4,700 foot elevation on the MER 5 & 6 claims immediately to the north of a prominent northwesterly trending slough, about 3 miles westerly from the southwest corner of Indian Reserve No. 12. The showing was apparently discovered by Henry Krause, of Merritt, prior to 1965.

The Cleveland Mining & Smelting Co. Ltd. in 1965 held 102 recorded claims in the MER, JAC, RAF, and TAM groups. Work during the year included trenching and percussion drilling in 16 holes totalling 2,000 feet on MER 5 and 6 claims. Drill holes 1-4, 15, 16 indicated a copper bearing zone trending northeasterly and measuring 240 feet wide by 400 feet long and 80 feet deep, containing 640,000 tons averaging 0.327% copper (Chisholm, E.O.; Report on the CM, KAM, MER, JAC, RAF and Cleve Fr's. claim groups, September 1971 - in Kalco Valley Mines Ltd., Statement of Material Facts, May 5, 1972).

Work during 1966 included an induced polarization survey and 2,500 feet of percussion drilling in 8 holes on MER 5 and 6 claims.

Utah Construction & Mining Co. held an option on the various claim groups in 1967 but it is not known what work was done on the MER group. Consolidated Gem Explorations Ltd. held an option on the property in 1969 and carried out an induced polarization survey (27 line-miles) on the MER group. Further work by Cleveland Mining & Smelting Co. in 1970 included diamond drilling in 4 holes totalling 914 feet on RAF 2 and 7 and MER 6 claims.

By an agreement of October 1971 Cleveland Mining optioned the MER 1-40 and other claim groups to Kalco Valley Mines Ltd. During 1972 the company spent \$13,000 on exploration work before terminating the option agreement.

The company name (Cleveland Mining) was changed in March 1972 to Consolidated Cleveland Resources Ltd.

HISTORY OF PRODUCTION

REFERENCES

Reports of Minister of Mines, British Columbia: 1965, p. 148; 1966, p. 154 + ; 1967, p. 153.

Geology, Exploration and Mining; British Columbia Dept. of Mines: 1969, p. 264; 1970, p. 351.

Mineral Policy Sector; Corporation Files: "Kalco Valley Mines Ltd."; "Consolidated Cleveland Resources Ltd."

MAP REFERENCES

Geology of the Guichon Creek Batholith, Sc. 1":2 miles - accomp. B.C. Dept. of Mines Bulletin No. 56 (1969).

Map 1010 A, Ashcroft, (Geol.), Sc. 1":4 miles - accomp. Memoir 262, Geol. Surv. of Canada.

Map 5218 G, Ashcroft, (Aeromag.), Sc. 1":1 mile (1968).

*Map 92 I/11, Ashcroft, (Topo.), Sc. 1:50,000.

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

REMARKS

Comp./Rev. By	DMacR						
Date	8-78						