

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

MOTASE

OBJECT LOCATED
OBJET LOCALISÉ

UNCERTAINTY
FACTEUR D'INCERTITUDE

Mining Division Division minière	Omineca	District District	Cassiar
County Comté		Township or Parish Canton ou paroisse	
Lot Lot		Concession or Range Concession ou rang	
Sec Sect.	Tp. Ct.	R. R.	

Lat. 56°02'
Long. 126°57'30"

OWNER OR OPERATOR/PROPRIÉTAIRE OU EXPLOITANT

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

The country rock is composed of Mesozoic andesitic lavas, tuffs, and agglomerates of the Takla group. Near the known mineral occurrences these dip about 15° southwest and are cut by steep feldspar porphyry and quartz porphyry dykes which may be a phase of the Kastberg intrusions of tertiary age. A mineralized outcrop on the northeast slope of the mountain is about 50 feet wide and extends more than 300 feet up the slope; a showing on the southwest slope outcrops at intervals for more than 500 feet in a southerly direction. The mineralization, occurring mainly in the volcanics, occupies minute fractures or is disseminated throughout an inch or so of rock on either side of the fracture, or is scattered through larger masses of rock apparently unrelated to fractures. Less commonly the mineralization has partly replaced the borders of porphyry dykes. The principal minerals, bornite and chalcocite, are associated with a little galena, pyrite, chalcopyrite, and possibly tetrahedrite.

HISTORY OF EXPLORATION AND DEVELOPMENT
HISTORIQUE DE L'EXPLORATION ET DE LA MISE EN VALEUR

This property is located about 3 miles east of Motase Lake, on a mountain that rises some 3,000 feet above the surrounding countryside.

Thirty-five claims were staked on the showings in 1945 by M.R. Loughheed for Yukon Northwest Explorations Limited. A program of prospecting, geological mapping, and sampling was carried out during the year. A selected sample reportedly assayed: gold, 0.005 ounces per ton; silver, 12.76 ounces per ton; copper 14.9%.

The property was acquired by the Huestis Mining Corporation Ltd. in about 1961. Noranda Exploration Company reportedly held an option on the property until September 1962. Huestis Mining Corporation subsequently allowed all but two of the claims to lapse, sufficient assessment work having been done on the two to hold them until 1982.

The assets of Huestis Mining Corporation were taken over by Bethex Explorations Ltd. in September 1965.

Bethex Explorations Ltd. was sold to Bethlehem Copper Corporation Ltd. in April 1969 in return for shares in the latter company.

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

REFERENCES/BIBLIOGRAPHIE

Lord, C.S.; McConnell Creek Map-Area, Cassiar District,
B.C.; Memoir 251, p. 62, Geol. Surv. of Canada, 1948.

Mineral Policy Sector; Corporation Files: "Bethlehem
Copper Corporation Limited".

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 962 A, McConnell Creek, B.C., (Geol.), Sc. 1":4 miles -
accomp. Mem. 251.

Map 94 D, McConnell Creek, B.C., (Topo.), Sc. 1:250,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par							
Date Date	06-66	05-74					