

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

POPLAR

OBJECT LOCATED - Canyon Creek showing.
OBJET LOCALISÉ

UNCERTAINTY 500 m
FACTEUR D'INCERTITUDE

Lat. 54°00'40"
Lat.

Long. 126°59'10"
Long.

Mining Division Omineca
Division minière

District
District

Range 5 Coast

County
Comté

Township or Parish
Canton ou paroisse

Lot
Lot

Concession or Range
Concession ou rang

Sec
Sect.

Tp.
Ct.

R.
R.

OWNER OR OPERATOR/PROPRIÉTAIRE OU EXPLOITANT

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

A Late Cretaceous porphyritic stock intruded and locally metamorphosed volcanoclastic and epiclastic Hazelton (?) Group rocks. The dominant structure is a north-northwest trending shear zone.

Sulphide concentrations occur mainly in biotite monzonite porphyry and to a lesser degree in diorite and in the volcanics. Mineralization reportedly occurs over an 1 800 square-meter area. Three directions of closely spaced fractures are evident and each contains finely disseminated chalcopyrite and some pyrite. Lesser molybdenite occurs mainly in veins associated with gypsum and quartz.

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

The property is located at about 3,000 feet elevation on the northeast side of Tagetochlain Lake 30 miles south-southwest of Houston.

Old claim posts found in the 1970's on showings exposed in a creek canyon suggest these showings were investigated many years earlier. The Poplar 1-38 and Poplar 1 Fr. were staked in 1971 by F. Onucki, C. Critchlow and M. Callaghan for El Paso Mining and Milling Company. During 1971-72 geological mapping, trenching, and a geochemical soil survey (2,231 samples) were carried out. El Paso abandoned the property and the ground was taken up by the stakers as the Poplar, Tag, Don, Ram, Pine, Lake and Dave groups. Limited trenching and drilling was carried out by the owners in mid 1974.

Utah Mines Ltd. optioned the property in late September 1974. Work by the company into 1977 included extensive induced potential, magnetometer and geochemical soil surveys, trenching and 8 281 metres of diamond drilling in 40 holes. Further drilling in 1979-81 totalled 8 706 m in 34 holes. Reserves are reported as 68 000 000 tonnes at 0.35 % Cu, 0.17 % MoS₂, 2.8 g/mt Ag (Preliminary Map 65, BC, EMPR, 1986).

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Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1972, p. 373; 1974, p.256; 1975, p. E 138++; 1976, p. E 145; 1977, p. E 191; 1979, p. 226.

Mesard, P.M.; The Alteration and Mineralization of the Poplar Copper-Molybdenum Porphyry Deposit, West-Central British Columbia; M.Sc. Thesis, U. British Columbia, 1979. Canadian Geology Journal of CIM, Vol. 1, Jan-March 1986, pp. 38-45.

Geological Fieldwork, British Columbia Dept. of Mines: 1976, p. 56; 1977, p. 65; 1978, p. 139+.

Exploration in British Columbia; British Columbia Dept. of Mines: 1980, p. 340; 1981, pp. xi, 36.

Geology in British Columbia; BCDM: 1977-81, p. 120.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

General Geology West-Central British Columbia, Sc. 1":4 miles, Fig. 8, Bulletin 64, B.C. Dept. of Mines, 1981.

#Geology of the Poplar deposit, Sc. 0.7 cm:100 metres, Fig. 37, Geological Fieldwork 1978, p. 138.

Map 671 A, Houston, (Geol.), Sc. 1":4 miles, Geol. Surv. of Canada.

Map 5301 G, Owen Lake, (Aeromag.), Sc. 1":1 mile.

*Map 93 L/2, Owen Lake, (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par	DMacR	DMacR	DMacR				
Date Date	07-85	05-87	10-88				