

PRODUCT PRODUIT	COPPER	PROVINCE OR TERRITORY	PROVINCE OU TERRITOIRE	British Columbia	N.T.S. AREA RÉGION DU S.N.R.C.	93 L/7	REF. CU 10 RÉF.
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NAME OF PROPERTY  
NOM DE LA PROPRIÉTÉ

DEER

OBJECT LOCATED - showing  
OBJET LOCALISÉ

UNCERTAINTY 100  
FACTEUR D'INCERTITUDE

Lat. 54° 23' 45" Long. 126° 34' 15"

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

Range 5 Coast

OWNER OR OPERATOR/PROPRIÉTAIRE OU EXPLOITANT

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

The property is located in a region of poorly exposed Hazelton volcanic rocks. Scattered outcrops show a prevalence of acid pyroclastic rocks in the vicinity of Mud Lake. The east part of the property is underlain mainly by basic and intermediate lavas and breccia. The best mineralization is exposed in trenches and pits on the ridge immediately north-west of Mud Lake. There chalcopyrite with accompanying pyrite occurs as disseminations and seams filling small fractures in brittle pink aplite-like rocks - possibly minor intrusions. A well mineralized specimen assayed: gold, trace; silver, trace; copper, 1.5%; iron 4.90%. Elsewhere in the same general area minor amounts of sphalerite and galena are reported to be associated with thin quartz carbonate veinlets. Fluorite is widely distributed throughout the host volcanic rocks even beyond the zone of sulphide mineralization.

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

The showings are located on the west side of Mud Lake, 2 3/4 miles east-southeast of Houston.

The mineralization was discovered by Julian Mining Co. Ltd. in 1963 and restaked by E.H. Lund in 1965. Subsequently the property was examined by Canadian Exploration, Limited, in 1966, Amax Exploration, Inc., in 1968, and Rio Tinto Canadian Exploration Limited in 1971 and 1972. Work done to the end of 1972 included the excavation of open cuts and pits near the main showings, bulldozer trenching at many other points on the property, a general copper and molybdenum soil geochemical survey, and magnetometer and induced polarization geophysical surveys.

120413\*

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

REFERENCES/BIBLIOGRAPHIE

Church, B.N.; Deer; Geology, Exploration, and Mining,  
1972, pp. 391-393, British Columbia Dept. of Mines.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Geology of the Buck Creek Area, Sc. 1":3-1/3 miles, Fig. 34  
- accomp. Report by Church.

#Geology of the Deer Property, Sc. 1":1,150 ft., Fig. 47 -  
accomp. Report by Church.

Map 671A, Houston, (Geol.), Sc. 1":4 miles (1942).

Map 5308 G, Houston, (Aeromag.), Sc. 1":1 mile.

\*Map 93 L/7 E, Houston, (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par	DMacR						
Date Date	12-75						

BCI 93 L-11