

NAME OF PROPERTY  
NOM DE LA PROPRIÉTÉ

MAC

OBJECT LOCATED - Centre of Stock.  
OBJET LOCALISÉ

UNCERTAINTY 300 m FACTEUR D'INCERTITUDE	Lat. 54°51'40" Lat.	Long. 125°34'30" 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

Basic metavolcanic rocks of Carboniferous (?) and Permian age (Map 907 A) are intruded by a Lower Cretaceous grano-diorite stock which apparently generated a hornfelsic aureole up to 1,000 metres wide. A small quartz monzonite stock apparently intrudes the hornfels and is host to the porphyry molybdenum. Most of the molybdenite occurs in microveins and in quartz veins, which form stockwork and sheeted zones. Only traces of molybdenite are found in the hornfels near the contact. Grades obtained in sampling are between 0.018 and 0.166% Mo. Trenching indicated mineralization over an area about 500 x 200 metres.

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

The property is located at about 4,100' elevation at the head of a tributary of Tildesley Creek, some 65 miles east of Smithers.

The showings were discovered in 1983 by Rio Algom Exploration Inc. through follow-up prospecting based on lake-sediment geochemical anomalies.

## HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

## REFERENCES/BIBLIOGRAPHIE

Geological Fieldwork; British Columbia Dept. of Mines:  
1984, p. 443.

## MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 907 A, Fort St. James, (Geol.), Sc. 1":6 miles, accomp.  
Memoir 252, Geol. Surv. of Canada, 1949.

#Generalized geology of the Mac prospect, Sc. 1 cm:230 m,  
Fig. 144, Geological Fieldwork 1984, p. 444.

\*Map 93 K/13, (Topo.), Sc. 1:50,000.

## REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par	DMacR						
Date Date	05-85						