

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

OFF, RAID, DDT

OBJECT LOCATED
OBJET LOCALISÉ

UNCERTAINTY
FACTEUR D'INCERTITUDE

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

Lat. 55°04'30"
Long. 126°20'

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

This property is located at the 3,300 foot elevation on the east flank of Old Fort Mountain, some 54 miles east-southeast of Hazelton.

The Off, Raid, and DDT groups, consisting of 80 recorded claims, were located in 1965 by Falconbridge Nickel Mines, Limited, following a soil sampling program. An additional 36 claims were located in 1966. Exploration work by the company during 1965 and 1966 included geochemical and geophysical surveys, geological mapping, and 3,652 feet of diamond drilling in 17 holes. In 1971 induced polarization and resistivity surveys were carried out over 5.5 line-miles on Off 3-6, Raid 9-12, and DDT 9-12 claims.

OWNER OR OPERATOR/*PROPRIÉTAIRE OU EXPLOITANT*

DESCRIPTION OF DEPOSIT/*DESCRIPTION DU GISEMENT*

An elliptical stock of quartz diorite, elongated in an easterly direction and measuring 3,000 feet by 2,000 feet, intrudes argillaceous siltstones and interbedded andesite tuffs in the central part of the property. Within the stock, the quartz diorite has been intruded by a small elongate mass of quartz monzonite. A porphyritic texture is developed along the western margin of the quartz monzonite, and dykes of hornblende-biotite-feldspar porphyry, not exceeding 100 feet in width, radiate outward from this zone into the quartz diorite. Several small isolated zones containing variable amounts of copper mineralization are grouped in a semicircular pattern within this area of radiating porphyry dykes. Chalcopyrite and minor bornite occur with magnetite as disseminations and in fractures in both the quartz diorite and hornblende-biotite-feldspar porphyry dykes. Molybdenite flakes are found in some fracture planes rimmed by 1/8-to-1/4-inch fine-grained potash feldspar veinlets. A grab sample from a trench exposing the most northerly zone of mineralization assayed 0.43% copper.

Associated minerals or products - **Molybdenum.**
Minéraux ou produits associés

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

REFERENCES/BIBLIOGRAPHIE

Carter, N.C.; Old Fort Mountain Area; Report of
Minister of Mines, British Columbia: 1966, pp. 92-
95.

Reports of Minister of Mines, British Columbia: 1965,
p. 103.

Geology, Exploration, and Mining; British Columbia Dept.
of Mines: 1971, p. 186.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Old Fort Mountain Area, (Geol.), Sc. 1":1 mile, Fig. 12, Report
of Minister of Mines, B.C., 1966.

Map 93 M, Hazelton, (Topo.), Sc. 1:250,000.

Map 93 M/1, Old Fort Mountain, (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par							
Date Date	09-68	02-75					