

PRODUCT
PRODUIT

MOLYBDENUM

PROVINCE OR
TERRITORY

PROVINCE OU
TERRITOIRE

British Columbia

N.T.S. AREA
RÉGION DU S.N.R.C.

93 E/14

REF.
RÉF. Mo 1

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

WHITING CREEK, RIDGE ZONE (WHIT)

OBJECT LOCATED
OBJET LOCALISÉ

Deposit

UNCERTAINTY 300 m
FACTEUR D'INCERTITUDE

Lat. 53°45'30" Long. 127°12'
Lat. Long.

Mining Division
Division minière

Omineca

District
District

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

The country rock is early to mid Jurassic Hazelton Group volcanics which are metamorphosed to greenschist facies and intruded by late Cretaceous biotite-hornblende granodiorite of the Sibola stock. The Ridge Zone stockwork deposit is associated with plugs of alkali-calcic series granite (quartz porphyry) which occur within and peripheral to the granodiorite. Mineralized zones of the quartz porphyry contain molybdenite in veinlets and quartz stockworks with or without pyrite and chalcopyrite.

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

The deposit is located at the 5000 feet elevation on the south side of Sibola Peak on a south flowing tributary of Whiting Creek, some 120 km south of Smithers.

The reported discovery of high-grade gold on Sibola Peak led to a small stampede in 1914 when a number of claims were staked on small quartz veins which were supposed to be highly auriferous. Only traces of gold were found and the claims were abandoned within several years. On one of these claims, the Gold Crown, molybdenite was reported.

Kennco Explorations (Western) Limited in 1963 acquired about 60 claims in the Whit group at elevations ranging mainly between 3800 and 6000 feet, covering the subsequently defined Ridge zone and the Creek zone about 1 mile to the south (93E/Cu 1). Work on the property during 1964-65 included 24 000 lineal feet of trenching, geophysical and geochemical surveys, and 3245 feet of diamond drilling in 21 holes.

Quintana Minerals Corporation optioned the property in 1972. Work included a geochemical survey and 1500 feet of diamond drilling in one hole.

Kennco restaked the property as the Whit 1-6 claims (82 units) in 1979. Saskatchewan Mining Development Corporation optioned the property. Work in 1980-81 included geochemical surveys comprising 453 soil and 90 rock samples, an induced potential survey over 37.6 km, a magnetometer survey, over 18 km, 5891 m of diamond drilling in 26 holes and 1021 m of percussion drilling in 16 holes. Based on this work the Ridge Zone contains an indicated approximate 40 000 000 tonnes at 0.10% MoS₂ and 0.17% Cu (Geol. Surv. of Canada, Paper 83-1 B, p. 135)². An alternate estimate reports an indicated 123 500 000 tonnes at 0.043% MoS₂, 0.062% Cu (EMPR Bulletin 75, p. 57).

Reports of Minister of Mines, British Columbia: 1916, p. 161; 1964, p. 55; 1965, p. 87.

Exploration in British Columbia; B.C. Dept. of Mines: 1972, p. 341; 1980, p. 317; 1981, pp. xi, 130, 148.

Seraphim, R.H. and Hollister, V.F.; Structural Settings in Porphyry Deposits of the Canadian Cordillera; Canadian Institute of Mining and Metallurgy, Special Volume 15, pp. 33-34, 1976.

Goods, M.D., Jonasson, I.R. and Cann, R.M.; Geochemistry and Hydrothermal Alteration Studies of the Whiting Creek Stockwork Molybdenum Deposit, Tahtsa Lake Area, British Columbia; Paper 83-1 B, pp. 135-142, Geol. Surv. of Canada.

Mineral Policy Sector; Corporation Files: "Saskatchewan Mining Development Corporation"; "Hildon Mining Explorations Ltd."-Prospectus 24/06/88.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 1064 A, Whitesail Lake, (Geol.), Sc. 1": 4 miles - accomp. Memoir 299, Geol. Surv. of Canada.

#Detailed geology of the Whiting Creek "Ridge Zone" molybdenum deposit; Sc. 8.8 cm: 1 km, Fig. 15.3, G.S.C. Paper 83-1 B, p. 137.

Map 93 E/14, Newcombe Lake, (Topo.), Sc. 1: 50 000.

+MacIntyre, D.G.; Geology and Mineral Deposits of the Tahtsa Lake District; Ministry of Energy, Mines and Petroleum Resources (EMPR), Bulletin No. 75, pp. 52, 56-60, 1985.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par	DMacR							
Date Date	09-88							