

PRODUCT COPPER
PRODUIT

PROVINCE OR PROVINCE OU
TERRITORY TERRITOIRE

British Columbia

N.T.S. AREA 92 C/10
RÉGION DU S.N.R.C.

REF. CU 1
RÉF.

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

MAL (MARCHAND CREEK)

OBJECT LOCATED
OBJET LOCALISÉ

UNCERTAINTY
FACTEUR D'INCERTITUDE

Lat. 48°44'55" Long. 124°43'30"
Lat. Long.

Mining Division Victoria
Division minière

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

Marshall Creek Copper Co. Ltd.,
734, Fort Street,
Victoria, B.C.

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

In the vicinity of the showings the rock is a well to highly saussuritized and silicified granite. This is intruded by dykes of fine-grained andesite porphyry. Both the altered granitic rock and the andesite dykes are cut by quartz monzonite. The mineralization occurs in a fault zone about 25 feet wide striking about N35°W and dipping 85° northeast. The fault cuts all three rock types; a few granitic stringers an inch or so wide and perhaps related to the quartz monzonite were intruded along the fault. Chalcopyrite, sphalerite, and pyrite occur in the fault in bands or lenses up to about 2 feet wide. The gangue consists of quartz, chlorite, clinozoisite, actinolite, hypersthene, and a black opaque iron-aluminum silicate thought to be thuringite.

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

This property, consisting of 32 claims, is located on Marchand Creek, which flows westward into Nitinat Lake.

Marshall Creek Copper Company Limited was incorporated in July 1963 to prospect the showings. A program of stripping, geological mapping, geochemical surveying, and diamond drilling was begun. Some 828 soil samples were taken, and six other mineralized outcrops were located and exposed by stripping. Six shallow diamond drill holes over a 300 foot length of outcrop averaged 2.17% copper, 1.94% zinc, and 2.12 ounces of silver per ton for a 70% core recovery.

A new discovery, known as the P.J. zone, was made during a 1965 road building operation several miles from the main showing.

Associated minerals or products
Minéraux ou produits associés

- Zinc, silver.

Mineral Policy Sector, Department of Energy, Mines and Resources, Ottawa
Secteur de la politique minérale, ministère de l'Énergie, des Mines et des Ressources, Ottawa
502186 *

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

REFERENCES/BIBLIOGRAPHIE

Annual Reports, Dept. of Mines, B.C.: 1963, p. 123;
1964, p. 168.

Mineral Policy Sector; Corporation Files: "Marshall
Creek Copper Co. Ltd."

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 196 A, Vancouver Sheet, B.C., (Geol.), Sc. 1":8 miles.

Map 92 C/10 E, Carmanah, B.C., (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

Comp./Rev. By
Comp./rév. par

Date
Date

12-65