

PRODUCT

COPPER

PROVINCE OR
TERRITORY

British Columbia

N.T.S. AREA 103 B/6

REF. Cu 2

NAME OF PROPERTY

LOTUS

as given on Mineral Deposit Inventory card Property
LOCATION No. 291, B.C. Dept. of Mines.

Lot. 52°17' Long. 131°10'

Mining Division Skeena

District Queen Charlotte

County

Township or Parish

Lot 1860

Concession or Range

Sec.

Tp.

R.

OWNER OR OPERATOR AND ADDRESS

Falconbridge Nickel Mines Limited.

DESCRIPTION OF DEPOSIT

The rocks of the area are of the Vancouver Group, locally represented by the Karmutsen and Kunga Formations, both early Triassic in age. The Karmutsen Formation is a thick accumulation of submarine basic lavas, related clastic rocks, dykes, sills and minor limestone. These are conformably overlain by Kunga limestones and argillites.

Mineralization consists of a sulphide-rich massive replacement body at the contact of these two formations. The mass is composed of pyrrhotite with pyrite, chalcopyrite and arsenopyrite. On the surface a body of 35 by 20 feet is exposed and in the adit about 50 feet below a thickness of 45 feet is exposed. The grade of copper is about 0.75%.

HISTORY OF EXPLORATION AND DEVELOPMENT

This showing is located on the southeast coast of Moresby Island about $\frac{3}{4}$ mile southwest of Ikeda Cove at an elevation of about 500 feet. It was originally the Lotus Crown-granted claim, Lot 1860, but is now held by recorded claims Ikeda Nos. 7 and 8, part of the large block held by Falconbridge Nickel Mines Limited (see Lily, 103 B/6, Cu 1).

The showing was discovered by A. Ikeda and associates while prospecting in the vicinity of their Lily showings in the period 1901 to 1906. It was originally part of their Lotus Group of six claims. The claim was developed by a 75-foot open cut and 120-foot adit driven in 1918 at an elevation of 480 feet.

HISTORY OF PRODUCTION

REFERENCES

- Brown, A.S.; Geology of the Queen Charlotte Islands; Bulletin 54, p. 211, British Columbia Dept. of Mines, 1968.
- Reports of Minister of Mines, British Columbia; 1907, p. 65.
- Mineral Resources Branch; Metals Committee File: MC 167-C3-2-10.
- Mineral Resources Branch; Corporation Files: "Ikeda Mines, Limited"; "St. Eugene Mining Corporation, Limited".
- Mineral Deposit Inventory, Property No. 291, British Columbia Dept. of Mines.

MAP REFERENCES

- Fig. 5, Geology of the Queen Charlotte Islands, (Geol. and Topo.), Sc. 1:125,000; Accomp. Bulletin 54.
- Fig. 34, (#50), Mineral Resources Map, (Geol.), Sc. 1": 8 miles; Accomp. Bulletin 54.
- Map 103 B-C (MI), (#40), Moresby Island, Sc. 1:250,000; B.C. Dept. of Mines and Petroleum Resources, 1969.
- *Map 103 B/6 E, Jedway, (Topo.), Sc. 1:50,000.

REMARKS

BC 103B-C-40

JULY 1973