

PRODUCT

COPPER

PROVINCE OR
TERRITORY

British Columbia

N.T.S. AREA 92 L/11

REF. CU 3

NAME OF PROPERTY

LITTLE JOE

OBJECT LOCATED - showing.

UNCERTAINTY IN METRES 500.

Lat. 50°38'20" Long. 127°29'40"

Mining Division

Nanaimo

District

Rupert

County

Township or Parish

Lot

Concession or Range

Sec

Tp.

R.

OWNER OR OPERATOR AND ADDRESS

DESCRIPTION OF DEPOSIT

Chalcopyrite, magnetite and minor sphalerite occur in coarsely crystalline marble and skarn formed in thin east-west trending limestone beds near the top of the Karmutsen Formation. The rocks are intruded by quartz diorite.

The skarn is composed of epidote, garnet, ilvaite, and hedenbergite, and appears to be erratically developed within the limestone and along limestone-volcanic rock contacts.

HISTORY OF EXPLORATION AND DEVELOPMENT

The property is located six miles south of Port Hardy and three miles north of Rupert Inlet, at elevations of 200 to 500 feet.

In 1963 Port Hardy Copper Mines Ltd. held 78 recorded claims on the property. From July to December, the Company carried out surface stripping and diamond drilling of 3,000 feet in 17 holes.

In 1968 Silver City Petroleums Ltd. spent three months geologic mapping and making magnetometer and geochemical soil surveys on the Little Joe, Ann, and Alice group of 22 claims.

Yellowknife Bear Mines Limited (60%) and Ram Petroleums (40%) optioned the Little Joe 1 to 10, 13 to 18, 34, Alice 1 to 4 claims and Ann 1 Fraction. Work done in 1970 included surface geological mapping, magnetometer, induced polarization and geochemical soil surveys, and diamond drilling 10 holes totalling 5,728 feet.

120301

Mineral Development Sector, Department of Energy, Mines and Resources, Ottawa.

Associated minerals or products of value - Iron, zinc, silver.

HISTORY OF PRODUCTION

REFERENCES

Reports of Minister of Mines, British Columbia: 1963, p. 99;
1968, p. 90, Fig. 14.

Geology, Exploration, and Mining; British Columbia Dept. of
Mines: 1970, pp. 266-267.

Muller, Northcote, and Carlisle; Geology and Mineral Deposits
of Alert-Cape Scott Map-Area; Paper 74-8, p. 62, Geol.
Surv. of Canada, 1974.

Mineral Development Sector; Corporation Files: "Yellowknife
Bear Mines Limited".

MAP REFERENCES

Map 4-1974, Alert Bay-Cape Scott, (Geol.), Sc. 1:250,000 -
accomp. Paper 74-8, Geol. Surv. of Canada, 1974.

#Mines and Mineral Occurrences of Alert Bay-Cape Scott area,
Sc. 1:250,000, Fig. 15 - accomp. Paper 74-8, Geol.
Surv. of Canada, 1974.

*Map 92 L/11 W, Port McNeill, (Topo.), Sc. 1:50,000.

Map 1738 G, Port McNeill, (Aeromag.), Sc. 1":1 mile.

REMARKS

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Comp./Rev. By	LJ						
Date	10-75						