

NAME OF PROPERTY

ROSE

LOCATION—Center of Lot 1871.

Uncertainty in metres 100.

Lat. 52°17'35" Long. 131°08'55"

Mining Division

Skeena

District

Queen Charlotte

County

Township or Parish

Lot 1871

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.

The Rose is situated on the eastern end of a domal anticline adjacent to the Collison Bay Stock. The Karmutsen greenstones are cut by a sequence of small diabase and diorite intrusions. Post-ore intrusives include small andesite and felsite dykes. The bedding strikes North 35° East and dips 20-30° Northwest. Faulting seems limited to small steep faults parallel to the strike.

The mineralized bodies consist of three parallel skarn bands covering an area 550 by 400 feet and up to 35 feet deep. Replacement is mainly in greenstone and consists of magnetite, garnet, chlorite and epidote. The grade and sulphide content varies widely but copper values are generally quite low. The average grade of magnetite iron is probably over 40% and the sulphur content about

p.t.o.

Associated minerals or products of value

HISTORY OF EXPLORATION AND DEVELOPMENT

The Rose claim, located on the southeast coast of Moresby Island, is on the ridge between Ikeda Cove and Collison Bay between 400 and 650 feet above sea level. The Crown-granted claim (Lot 1871) covers 33.64 acres. The showings extend from near the ridge-top down the northwestern slope and just over the boundary onto the adjacent claims, Elva Nos. 3 and 4 and Maple. All claims are part of a large block held by Falconbridge Nickel Mines Limited. (See Lily, 103 B/6, Cu 1).

The showings were discovered by A. Ikeda and associates during the period 1901-1906 while prospecting in the vicinity of their Lily claim showings. Some stripping and prospecting ensued but the magnetite showings, being copper-poor, were of little interest at that time. The Rose claim was part of the Chrysanthemum Group of eight claims Crown-granted in 1913 (Lots 97, 100, 1868, 1869, and 1871 to 1874).

St. Eugene Mining Corporation, Limited, acquired the Lily and other claims in the mid 40's and drilled 2 holes for 80 feet in 1957 on the Rose claim. Silver Standard Mines Limited carried out a magnetometer survey in 1959. The Granby Mining Company Limited mapped the showings in detail in 1962 and Jedway Iron Ore Limited drilled 37 short holes totalling 4,610 feet in 1965. Jedway started mining the property in 1966 on a royalty basis.

HISTORY OF PRODUCTION

Jedway Iron Ore Limited started mining this property on a royalty basis in 1966. Production figures are included in the essie production (see 103 B/6, Fe 1).

MAP REFERENCES

- Fig. 5, Geology of the Queen Charlotte Islands, (Geol. and Topo.), Sc. 1:125,000; Accomp. Bulletin 54.
- Fig. 34, (#39), Mineral Resources Map, (Geol.), Sc. 1": 8 miles; Accomp. Bulletin 54.
- Map 103 B-C (MI), (#29), 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.

DESCRIPTION OF DEPOSIT (continued)

%. Drilling by Falconbridge in 1956 indicated about 561,000 tons with a low stripping ratio. Total reserves of twice this amount may be recoverable at a much higher ratio.

REFERENCES

- Brown, A.S.; Geology of the Queen Charlotte Islands; Bulletin 54, pp. 199, 203, 206, 207-208, British Columbia Dept. of Mines, 1968.
- Reports of Minister of Mines, British Columbia; 1907, pp. 64-65; 1913, p. 423; 1958, p. 72; 1961, pp. 13, 15; 1962, pp. A-47, 11-12; 1963, pp. A-47, 16; 1964, pp. A-53, 46, 330; 1965, p. 69; 1966, pp. 53-54; 1967, p. 57; 1968, pp. 70-71.
- Young, G.A., and Uglow, W.L.; The Iron Ores of Canada, Vol. 1: British Columbia and Yukon; Economic Geology Series No. 3, pp. 48-51; Geol. Surv. of Canada, 1926.
- Mineral Resources Branch; Metals Committee File: M.C.-167-C3-2-10.
- Mineral Resources Branch; Corporation Files: "Ikeda Mines, Limited"; "St. Eugene Mining Corporation, Limited"; "Silver Standard Mines Limited"; "Jedway Iron Ore Limited"; "The Granby Mining Company Limited".
- Mineral Deposit Inventory, Property No. 288, British Columbia Dept. of Mines.
- Mines Branch, Ottawa; Summary Report, 1918, Investigations in Ore Dressing and Metallurgy, Rept. No. 509, pp. 113-114 (No. 78).