

NAME OF PROPERTY

MAGNET (IRON MOUNTAIN)

LOCATION—Center of Lot 79.

Uncertainty in metres 100.

Lot. 52°16'54" Long. 131°13'50"

Mining Division Skeena

District Queen Charlotte

County

Township or Parish

Lot 79

Concession or Range

Sec.

Tp.

R.

OWNER OR OPERATOR AND ADDRESS

Jedway Iron Ore 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 Magnet is a pyrometasmatic magnetite body in which little skarn is developed beyond the ore. It is a lensoid body of massive magnetite with included pods of garnetite that appears to replace volcanic rock and possibly limestone at the top of the Karmutsen Formation near the Jedway stock. Fine diorite porphyry dykes are common in the Kunga flaggy limestone member. A moderately small-sized regional fault striking about north 55° west may either cut the body off down dip or, if pre-mineralization, may have been the locus of mineralization.

Sparse sulphide mineralization, concentrated along the western margin, includes pyrite, chalcopyrite and traces of sphalerite. Some of the magnetite is reported to be lodestone.

Associated minerals or products of value

HISTORY OF EXPLORATION AND DEVELOPMENT

This showing is located about $\frac{3}{4}$ mile southwest of Harriet Harbour between 1,450 and 1,600 feet elevation on the southeast coast of Moresby Island. The property consists of one Crown-granted claim, Lot 79, covering 38.03 acres. It was originally part of a large group held by J.S. McMillan (see Copper Queen, 103 B/6, Cu 3).

The outcrop was discovered around 1906 by or for McMillan and was Crown-granted to him in 1911; it was originally known as Iron Mountain. Some stripping was done and a 22-foot adit was driven about 1908. Little further work was done until Silver Standard Mines Limited optioned the property in 1956. In the fall of 1959, 22 EX holes totalling 1,531 feet were drilled. Geophysical work was also done. Reserves have been estimated at 178,000 to 500,000 tons averaging 60% magnetic iron.

The property was acquired in 1961 by Jedway Iron Ores Limited as a result of part of an agreement between The Granby Mining Company Limited and Silver Standard Mines Limited.

HISTORY OF PRODUCTION

MAP REFERENCES

- Fig. 5, Geology of the Queen Charlotte Islands, (Geol. and Topo.), Sc. 1:125,000; Accomp. Bulletin 54.
- Fig. 34, (#44), Mineral Resources Map, (Geol.), Sc. 1": 8 miles; Accomp. Bulletin 54.
- Map 103 B-C (MI), (#34), 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

REFERENCES

- Brown, A.S.; Geology of the Queen Charlotte Islands; Bulletin 54, pp. 198, 209, British Columbia Dept. of Mines, 1968.
- Reports of Minister of Mines; British Columbia; 1907, p. 67; 1911, p. 287; 1929, p. 60.
- Young, G.A., and Unglow, W.L.; The Iron Ores of Canada, Vol. I: British Columbia and Yukon; Economic Geology Series No. 3, pp. 37-39, Geol. Surv. of Canada, 1926.
- McConnell, R.G.; Texada Island and Moresby Island, British Columbia; Summary Report, 1909, p. 78, Geol. Surv. of Canada.
- Mineral Resources Branch; Corporation Files: "Silver Standard Mines Limited"; "Jedway Iron Ore Limited".
- Gilleland, H.B.; Early Production Anticipated by Silver Standard; Western Miner and Oil Review, Vol. 32, pp. 110, 112, 113, October, 1959.
- Jedway Iron Ore Project; Western Miner and Oil Review, Vol. 35, January 1962, pp. 14-17.
- Jedway Iron Ore Limited; Western Miner and Oil Review, Vol. 35, September 1962, p. 28.
- Mineral Deposit Inventory, Property No. 284, British Columbia Dept. of Mines.

JULY 1973