

NAME OF PROPERTY ADONIS

LOCATION—Center of Lot 1865.
 Uncertainty in metres 100. Lat. 52°17'38" Long. 131°11'11"
 Mining Division Skeena District Queen Charlotte
 County Township or Parish
 Lot 1865 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 Adonis deposit is a pyrometamorphic magnetite deposit that occurs at the lower contact of limestone and Karmutsen greenstone. It is not known whether this limestone is that of the Kunga Formation or a lens in the Karmutsen. There is also a sill-like body of diorite porphyry and minor diorite at this contact. Post-mineralization andesite sills are common.

The showings are contained in a small block bounded by steep faults about 180 feet apart and trending north 65° east. These faults occurred prior to mineralization. Mineralization consists of fairly massive magnetite, pyrite, chalcopyrite and skarn minerals, largely replacing the greenstone but definitely also some limestone and possibly the diorite porphyry. The latter is in part altered to skarn.

The estimated potential of the deposit is 136,733 tons with 35% magnetic iron.

HISTORY OF EXPLORATION AND DEVELOPMENT

These showings, on the southeast coast of Moresby Island, are between Harriet Harbour and Ikeda Cove from about 500 to 600 feet elevation on the Ikeda side of the ridge. The deposit is on the Adonis claim, Lot 1865, and extends onto the Sweet Pea claim, Lot 68 (part of the Lily Group, 103 B/6, Cu1). The Adonis claim is held by mineral lease by Jedway Iron Ore Limited but the Sweet Pea is held by Falconbridge Nickel Mines Limited and any ore mined on it will be on a royalty basis to that company.

The Adonis showing was probably discovered between 1906 and 1908 although there is little record of the early history. In 1912 the claim was Crown-granted to Messrs. P. Drummond, R.A. Trethaway and J.O. Trethaway.

Silver Standard Mines Limited carried out the first extensive prospecting by reconnaissance magnetometer survey and then drilled 13 EX holes totalling 1,081 feet in 1959 and 1960. Late Jedway Iron Ore Limited mapped it in detail in 1964 and drilled 9 AX holes totalling 1,668 feet. This work proved the presence of a small orebody. A mile of road was built to connect with the Jessie Mine (see 103 B/6, Fe 1) and a pit prepared for production which began in September 1964. In 1965 additional drilling that totalled 1,094 feet in five AX holes in a line extending into the Sweet Pea claim proved an additional 137,000 tons of ore that has a reasonable stripping ratio.

HISTORY OF PRODUCTION

In 1964, 106,674 tons of ore grading 35% iron were mined.

MAP REFERENCES

- Fig. 5, Geology of the Queen Charlotte Islands, (Geol. and Topo.), Sc. 1:125,000; Accomp. Bulletin 54.
- Fig. 34 (#37), Mineral Resources Map, (Geol.), Sc. 1": 8 miles; Accomp. Bulletin 54.
- #Map 103 B-C (MI), (#27), 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; Bull. 54, pp. 198, 199, 202-203; British Columbia Dept. of Mines, 1968.
- Reports of Minister of Mines, British Columbia: 1912, p. 325; 1960, pp. 11-12; 1961, pp. 13-15; 1962, pp. A-47, 11-12; 1963, pp. A-47, 16; 1964, pp. A-53, 46, 330; 1965, pp. A-53, 69; 1966, pp. 53-54, 69; 1966, pp. 63-64; 1967, p. 57; 1968, pp. 70-71.
- Jeffery, W.G.; Moresby Island; Annual Report, 1959, pp. 12, 14, British Columbia Dept. of Mines.
- Young, G.A., and Unglow, W.L.; The Iron Ores of Canada, Vol. I; British Columbia and Yukon; Economic Geology Series No. 3, p. 48, Geol. Surv. of Canada, 1926.
- Mineral Development Sector, Corporation Files: "Silver Standard Mines Limited"; "Jedway Iron Ore Limited".
- Mineral Deposit Inventory, Property No. 279, British Columbia Dept. of Mines.
- Gilleland, H.B.; Early Production Anticipated by Silver Standard; Western Miner and Oil Review, Vol. 32, October 1959, pp. 110, 112, 113.
- 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.
- Geology, Exploration and Mining; British Columbia Dept. of Mines: 1972, p. 494.