

NAME OF PROPERTY COPPER QUEEN

OBJECT LOCATED - Lot 77.

UNCERTAINTY IN METRES 100. Lat. 52°16'44" Long. 131°13'17"

 Mining Division Skeena District Queen Charlotte

 County Township or Parish

 Lot Concession or Range

 Sec Tp. R.

OWNER OR OPERATOR

DESCRIPTION OF DEPOSIT

The Copper Queen is a copper-rich pyrometasomatic deposit in the top of the Triassic Karmutsen Formation at the contact of the Jedway stock. The Karmutsen is metamorphosed to a partially amphibolitized greenstone. It appears to strike north 50° east and dip about 30° northward. The Jedway stock, of late Cretaceous, early Tertiary age, is locally a mafic-rich quartz diorite.

The showings are minor lenses of magnetite with chalcopyrite at the contact, and a more important bedded horizon of lenses some 50 feet above the contact. The main lens exposed is in the west bank of the creek and is continuous for about 40 feet on dip and 25 feet along strike in the adits, and up to 10 feet thick. The margin of this lens appears to be exposed in the east bank. The bedded horizon occurs as lenses of massive magnetite with much chalcopyrite as streaks, blebs and discrete veinlets cutting the magnetite. It locally averages from 1 to 4% copper. Pyrite, garnet and actinolite are locally important, p.t.o.

Associated minerals or products - Iron.

HISTORY OF EXPLORATION AND DEVELOPMENT

The Copper Queen claim (Lot 77) is located nearly one mile south of Harriet Harbour, on either side of a small steep creek at about 950 feet elevation, on the southeast coast of Moresby Island.

The Copper Queen is the key claim of a large block between Harriet Harbour and Huston Inlet originally held by J.S. McMillan. This block covers over 875 acres on Lots 77, 85, 87, 88, 92, 331, 2597 to 2604, 2607, 2608. These include Modoc (103 B/6, Cu 4), Reco (103 B/6, Cu 5), Moresby Island (103 B/6, Cu 6), Eagle Tree (103 B/6, Cu 7), Blue Belle (103 B/6, Fe 7) and Magnet (103 B/6, Cu 12). Some of the claims have remained in the McMillan family while others have been held by Jedway Iron Ore Limited and The Granby Mining Company Limited (see Jessie, 103 B/6, Fe 1).

The Copper Queen showings were discovered around 1906 and the lot was Crown-granted to McMillan in 1909. In 1907 and 1908 some stripping was done, three short adits and one long adit were started and a tramline was cut to the beach. By 1909 the long adit reached its target but results were disappointing. The combined length of the four adits was about 450 feet. Very little further activity was reported until 1954 when R.E. Legg carried out diamond drilling in several short holes.

Silver Standard Mines Limited optioned 21 Crown-granted claims in this vicinity in 1956. Diamond drilling on the Copper Queen totalled 1,222 feet in 9 holes. Tonnage and grade have been estimated at 10,000 tons of 1.5 to 2% copper (BCI 103 B-C - 35).

The property has remained in the McMillan family and in 1968 was held by Paul McMillan.

DESCRIPTION OF DEPOSIT (continued)

and malachite is present. At the fringe of the lens, vuggy quartz-pyrite-magnetite veinlets occur. The showings are cut by unaltered green pyritic andesite dykes trending north-south.

REFERENCES

+ Brown, A.S.; Geology of the Queen Charlotte Islands; Bulletin 54, pp. 209-210, British Columbia Dept. of Mines, 1968.

Reports of Minister of Mines, British Columbia: 1907, p. 66; 1908, pp. 59-60; 1909, pp. 71, 275; 1910, p. 84; 1911, p. 76; 1912, p. 110; 1913, p. 104; 1914, p. 162; 1919, p. 40; 1920, p. 44; 1923, p. 44; 1925, p. 65; 1926, p. 67; 1928, p. 64; 1929, p. 60.

Young, G.A., and Uglow, W.L.; The Iron Ores of Canada, Vol. I: British Columbia and Yukon; Economic Geology Series No. 3, p. 51, Geol. Surv. of Canada, 1926.

McConnell, R.G.; Texada Island and Moresby Island, British Columbia; Summary Report, 1909, p. 77, Geol. Surv. of Canada.

Mineral Policy Sector; Corporation Files: "Silver Standard Mines Limited".

MAP REFERENCES

Fig. 5, Geology of the Queen Charlotte Islands, (Geol. and Topo.), Sc. 1:125,000 - accomp. Bulletin 54.

Fig. 34, (#45), Mineral Resources Map, (Geol.), Sc. 1": 8 miles - accomp. Bulletin 54.

Map 103 B-C (MI), (#35), 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

Comp./Rev. By	DMacR						
Date	1-79						