

NAME OF PROPERTY

HOPE

OBJECT LOCATED - Map 103 B-C (MI) - #54.

UNCERTAINTY IN METRES 300.

Lat. 52°15'48"

Long. 131°11'25"

Mining Division Skeena

District

Queen Charlotte

County

Township or Parish

Lot

Concession or Range

Sec

Tp.

R.

OWNER OR OPERATOR

DESCRIPTION OF DEPOSIT

The showings consist of a dyke-like metasomatic deposit of sulphide-rich skarn, of interest primarily for its copper content. It occurs near the contact of quartz monzonite of the Carpenter Pluton and the Triassic Karmutsen Formation. There are two similar showings on the property composed of massive magnetite with chalcopyrite, pyrite, pyrrhotite, ilmenite and garnetite. The first showing is exposed for about eighty feet and is up to 20 feet wide although the copper-rich portion is narrower. Grade in the order of 2.7% copper with traces of silver and gold across 10 feet are reported. It strikes north 60° west and dips steeply east. The second showing occurs several hundred feet to the south along strike. It is smaller and has lower copper values than the first showing.

Associated minerals or products - Iron.

HISTORY OF EXPLORATION AND DEVELOPMENT

The Hope Group, consisting of the Hope and Hope Fraction, is situated one mile east of the southeast end of Huston Inlet on the southeast coast of Moresby Island. The showings are found between 250 and 300 feet above sea level.

The group was staked around 1910 by Hugh McEachern who held it until the late 1920's. Work on the property consisted of a short adit, open-cuts and some stripping. In 1929, the group was owned by A.J. Wild and partners.

Silver Standard Mines Limited drilled a 60-foot packsack hole in February 1960, which intersected 20 feet of magnetite with 5 feet containing 0.85% copper.

The Granby Mining Company Limited held the property in the 1960's as part of a large group of located claims.

The property has an estimated potential of 10,000-20,000 tons (BCI 103 B-C - 54); assay of 2.7% copper across 10 ft. (MMAR 1926, p. 67).

HISTORY OF PRODUCTION

REFERENCES

⁺Brown, A.S.; Geology of the Queen Charlotte Islands; Bulletin 54, p. 214, British Columbia Dept. of Mines, 1968.

Reports of Minister of Mines, British Columbia: 1913, p. 101; 1914, p. 162; 1918, pp. 39-40, 104; 1922, p. 42; 1923, p. 44; 1925, p. 66; 1926, p. 67; 1928, p. 65; 1929, p. 61 ⁺⁺ .

Young, G.A., and Uglow, W.L.; The Iron Ores of Canada, Vol. 1: British Columbia and Yukon; Economic Geology Series No. 3, p. 51, Geol. Surv. of Canada, 1926.

MAP REFERENCES

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

Fig. 34, (#64), Mineral Resources Map, (Geol.), Sc. 1": 8 miles - accomp. Bulletin 54.

#Map 103 B-C (MI), (#54), 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						