

NAME OF PROPERTY MAMMOTH, HOMESTAKE

OBJECT LOCATED - Mammoth claim (Lot 7249).

UNCERTAINTY IN METRES 100. Lat. 54°50'25" Long. 127°21'15"

Mining Division Omineca District Range 5 Coast

County Township or Parish

Lot Concession or Range

Sec Tp. R.

OWNER OR OPERATOR AND ADDRESS

HISTORY OF EXPLORATION AND DEVELOPMENT

The property is located at elevations of 4,600 to 5,300 feet on the west side of Schufer Lake at the head of Toboggan Creek, on Hudson Bay Mountain, 8 miles northwest of Smithers.

A number of adjacent claims in the Silver Creek group were held by Peter Schufer and associates from about 1907, however, the Mammoth and Homestake claims were apparently staked by Schufer at a later date. The Homestake claim was included in ground optioned to R.W. Wilson and Sons in about 1930. The Mammoth (Lot 7249), Butte (Lot 7250), and Homestake (Lot 7253) claims were Crown-granted to Peter Schufer in 1933. The claims were among those acquired by Sil-Van Consolidated Mining and Milling Company, Ltd., in 1950. The company name was changed to Sil-Van Mines Limited in 1957 and to Dorita Silver Mines Ltd. in 1969. No work other than open cutting has been reported.

DESCRIPTION OF DEPOSIT

In the base of Toboggan Creek valley between Schufer Lake and the divide there are a number of small, flat-lying bedding plane replacement deposits containing pyrite, sphalerite, and other minerals. They dip south on the south side and north on the north side and occur along certain horizons marked by a change in the formation and rusty rock. To the west with the rise in the valley they converge toward its centre and appear to represent an anticlinal structure. On the Mammoth claim a vein has been traced in volcanic rocks for 300 feet by four open-cuts. The vein strikes west and dips steeply south. At the most easterly cut the vein averages a foot in width and consists of pyrrhotite, arsenopyrite, and sphalerite, with a little galena. In the more westerly cuts the vein narrows to 4 inches and consists largely of quartz with considerable pyrite and a little chalcopyrite.

Associated minerals or products of value - Copper, lead.

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HISTORY OF PRODUCTION

REFERENCES

Kerr, F.A.; Mineral Resources along the Canadian National Railway between Prince Rupert and Prince George, British Columbia; Paper 36-20, p. 98, Geol. Surv. of Canada.

Kindle, E.D.; Mineral Resources, Hazelton and Smithers Areas, Cassiar and Coast Districts, British Columbia; Memoir 223 (Revised Edition), p. 117, Geol. Surv. of Canada, 1954.

Reports of Minister of Mines, British Columbia: 1931, p. 73; 1950, p. 100.

MAP REFERENCES

Map 69-1, Smithers, Hazelton, and Terrace Areas, (Geological compilation), Sc. 1":4 miles, British Columbia Dept. of Mines.

Preliminary Map 44-23, Smithers, (Geol.), Sc. 1":2 miles, Paper 44-23, Geol. Surv. of Canada.

Sketch Map of the Silver Lake Section, Sc. 1":2,000 ft. (approx.), Report of Minister of Mines, British Columbia, 1928, p. 165.

Sketch Map of Hudson Bay Mountain, (Geol. and Mineral prospects), Sc. 1":1 mile, Fig. 1, Paper 36-20.

Map 5319 G, Smithers, (Aeromag.), Sc. 1":1 mile.

Map 93 L/14 W, Smithers, (Topo.), Sc. 1:50,000.

REMARKS

Comp./Rev. By	DMacR						
Date	12-75						