

PRODUCT COPPER

PROVINCE OR TERRITORY British Columbia

N.T.S. AREA 104 G/2

REF. CU 2

NAME OF PROPERTY BAM (ARCTIC LAKE)

OBJECT LOCATED - #5 on Map 11-1971.

UNCERTAINTY IN METRES 1,000. Lat. 57°11'20" Long. 130°52'20"

Mining Division Liard District Cassiar

County Township or Parish

Lot Concession or Range

Sec Tp. R.

OWNER OR OPERATOR AND ADDRESS

DESCRIPTION OF DEPOSIT

This property is near the southern end of a long, iron-stained, alteration zone that outcrops intermittently for 15 miles along the eastern side of upper Mess Creek. The zone is almost certainly related to a system of north-south faults that cut late Cretaceous and older strata. The claims are underlain by Lower Jurassic sandstones that rest unconformably on dolomitized Permian limestone. Tetrahedrite and minor chalcopyrite, pyrite, malachite and azurite are found in the fractured Permian dolomitized limestones, chert breccias, and overlying sandstones.

HISTORY OF EXPLORATION AND DEVELOPMENT

The property is located at approximately the 5,000 foot elevation on the east side of Mess Creek, 3 miles southwest of Arctic Lake and 50 miles south-southeast of Telegraph Creek.

The Bam group of 21 recorded claims was staked in September 1963 by the Hudson Bay Exploration and Development Company Limited, a subsidiary of the Hudson Bay Mining and Smelting Co., Limited. During 1964 diamond drilling was done in 3 holes totalling 736 feet.

The Shawinigan Mining and Smelting Company, Limited optioned the property in 1966 and with additional staking expanded the ground held to 103 claims in the Bam, Ann, and Arctic groups. Diamond drilling during 1967 totalled 11,589 feet in 31 holes. This work is reported to have outlined a mineralized zone 500 feet long by 150 feet wide, with a maximum thickness of 195 feet. Reserves were estimated at slightly under 300,000 tons averaging 0.76% copper (Northern Miner, Nov. 16, 1967). The mineralized zone was located on the southwest part of the property on one of two claims said to have been retained by Shawinigan; the remaining claims were dropped.

Phelps Dodge Corporation of Canada, Limited held the GP 1-30 claims, apparently a restaking of the above ground, in 1972. A reconnaissance geochemical soil and silt survey (110 samples) was carried out.

The Jan claims, located in this vicinity, was reportedly prospected in 1984 by Nairobi Industries Ltd. Work on the Bam claims in 1985 by Homestake Mineral Development Company included geological mapping, and a geochemical silt and rock chip survey.

Associated minerals or products of value - Silver.

Mineral Development Sector, Department of Energy, Mines and Resources, Ottawa.
504172 *

HISTORY OF PRODUCTION

REFERENCES

- +Souther, J.G.; Telegraph Creek Map-Area, British Columbia; Paper 71-44, p. 25, Geol. Surv. of Canada.
- Reports of Minister of Mines, British Columbia: 1964, p. 18; 1966, p. 31; 1967, p. 30.
- Mineral Policy Sector; Corporation Files: "The Shawinigan Mining and Smelting Company, Limited".
- ++Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1972, p. 519.
- Exploration in British Columbia; BCDM: 1983, p. 530; 1984, p. 389.

MAP REFERENCES

- #Map 11-1971, Telegraph Creek, (Geol.), Sc. 1:250,000 - accomp. Paper 71-44.
- *Map 104 G/2, More Creek, (Topo.), Sc. 1:50,000.

REMARKS

Comp./Rev. By	DMacR	DMacR					
Date	4-76	09-86					