

NAME OF PROPERTY MIDNIGHT (SNOWSHOE)

OBJECT LOCATED - Mine symbol, Map 93 L/14 W.  
 UNCERTAINTY IN METRES 200. Lat. 54°47'07" Long. 127°15'15"  
 Mining Division Omineca District Range 5 Coast  
 County Township or Parish  
 Lot Concession or Range  
 Sec Tp. R.

OWNER OR OPERATOR AND ADDRESS

DESCRIPTION OF DEPOSIT

The claims are underlain mainly by relatively unaltered, massive, purple, red, and grey Jurassic volcanic rocks of the Hazelton Group. The showing is a complex, massive sulphide-sulphosalt shear zone with variable amounts of quartz and carbonate gangue. On the surface this shear zone strikes south to southeast and dips 60 to 80 degrees southwest. Drilling has indicated the dip is considerably less at depth. The shear zone has been traced for 700 feet between elevations of 4,475 and 4,500 feet. The andesitic wall-rocks have been hydrothermally altered and bleached, and in places are silicified and impregnated with a little pyrite. Quartz and sulphide veins occur along the shear zone, but are generally less than 6 inches wide. The sulphide content consists mainly of galena, sphalerite, arsenopyrite, pyrite, chalcopyrite, and tetrahedrite. A massive sulphide vein, ranging from 6 to 12 inches wide, exposed in trenches near the old workings, assayed: Gold, 0.21 ounce and silver 152.7 ounces per ton; lead, 43.94%; zinc, 9.71%; copper, 0.70%. A 9-inch massive sulphide vein exposed in a trench about 300 feet north of the old workings assayed: Gold, 0.11 ounce and silver 84.3 ounces per ton; lead, 46.3%; zinc, 8.22%; copper, 1.35%. In the trenches between these two areas the vein consists primarily of relatively barren quartz that apparently post-dates much of the sulphide mineralization.

Associated minerals or products of value - Gold, lead, zinc, copper.

HISTORY OF EXPLORATION AND DEVELOPMENT

The property is located at the 4,500 foot elevation on the east side of Hudson Bay Mountain, 1/3 mile south of Simpson Creek and 3 miles west of Smithers. The Snowshoe group of 8 claims was staked in 1928 by G. Raymond, P. Berg, and H.C. Wade. Exploration work to 1931 was done in open cuts and short adits. R.C. Mutch, A. Sjolín, and H. Stork held an option on the property in 1937. The workings at that time included 8 open cuts, and 3 short adits, the longest being 60 feet. A small amount of ore was shipped in 1938. The owners, Raymond and Berg, carried out further prospecting in 1938 and shipped a small amount of ore to the Dept. of Mines Sampling Plant at Prince Rupert.

Sunset Empire Mining Company Limited, incorporated November 1951, acquired the Snowshoe, and nearby Empire property. No work was reported on the Snowshoe group. The company charter was surrendered in 1956.

The Snowshoe property, which had been restaked as the Midnight 1-8 claims, was acquired by Buval Mines Ltd. in 1966. During the year geological mapping, geochemical and geophysical surveys, and trenching were carried out. In 1968, 2,130 feet of diamond drilling in 15 holes was done on the Snowshoe showings. The company name was changed in 1969 to Buval Executive Mining Industries Ltd. By an agreement of June 1970 Buval optioned the property to Anmmar Mining Ltd. Trenching was reported. The company name (Anmmar) was changed in 1972 to Abaca Mining Ltd. The claims were subsequently allowed to lapse.

HISTORY OF PRODUCTION

In 1938, 3 tons of ore were shipped from this property. From this ore 1 ounce of gold, 174 ounces of silver, 519 pounds of lead, and 676 pounds of zinc were recovered.

A shipment of 2.524 tons of ore was made to the Dept. of Mines Sampling Plant at Prince Rupert. This ore assayed: Gold, 0.2 ounce per ton; silver, 69.0 ounces per ton; copper, 0.1%; lead, 10.3%; zinc, 13.4% (Ref. Rept. of Minister of Mines, British Columbia, 1938, p. B 36).

REFERENCES

Kirkham, R.V.; Midnight, etc.; Reports of Minister of Mines, British Columbia, 1966, p. 90; 1968, p. 120.  
Kindle, E.D.; Mineral Resources, Hazelton and Smithers Areas, Cassiar and Coast Districts, British Columbia; Memoir 223 (Revised Edition), p. 125, Geol. Surv. of Canada, 1954.  
Reports of Minister of Mines, British Columbia: 1928, p. 162; 1929, p. 163; 1931, p. 73; 1937, p. C 19; 1938, pp. B 36, C 49; 1952, p. 94.  
Mineral Policy Sector; Corporation Files: "Buval Executive Mining Industries Ltd."; "Abaca Resource Industries Inc."  
Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1971, p. 177.

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 Hudson Bay Mountain (Geol. and Mineral Deposits), Sc. 1":1 mile - accomp. Paper 36-20, Geol. Surv. of Canada.  
Map 5319 G, Smithers, (Aeromag.), Sc. 1":1 mile.  
#Map 93 L/14 W, Smithers, (Topo.), Sc. 1:50,000.  
Claim Map, Hudson Bay Mountain, British Columbia Dept. of Mines.

REMARKS

|               |       |  |  |  |  |  |  |
|---------------|-------|--|--|--|--|--|--|
| Comp./Rev. By | DMacR |  |  |  |  |  |  |
| Date          | 12-75 |  |  |  |  |  |  |