

NAME OF PROPERTY

SILVER CUP

OBJECT LOCATED

UNCERTAINTY IN METRES

Lat. 55°21'

Long. 127°31'

Mining Division Omineca

District Cassiar

County

Township or Parish

Lot

Concession or Range

Sec

Tp.

R.

OWNER OR OPERATOR

DESCRIPTION OF DEPOSIT

The formation is chiefly thick bedded sandstone with interbedded finely laminated argillites. The western end of a granodiorite stock, that underlies the Sunrise and Lead King properties, lies about 1,000 feet to the east of the workings. A quartz vein is located on a fault along the crest of an anticlinal fold in the sedimentary rocks. A number of granodiorite dykes exposed in the workings are faulted along the vein. The vein strikes N30°E and dips 75° southeast. Vein width ranges from 4 inches to 2 feet. In some places two or more parallel fractures from 1 to 3 feet apart have increased the width of the vein, the enclosed breccia rock being replaced by a little quartz with sulphides. The vein quartz carries abundant sphalerite, galena, jamesonite, tetrahedrite, and pyrite. A 4 inch channel sample assayed: Gold, 0.02 oz per ton; silver, 27.1 oz per ton; lead, 3.37%; zinc, 3.58%; antimony, 2.13%. A second vein, about 1,000 feet south of the main vein, ranges in width from 3 to 8 inches and consists of quartz and carbonate gangue mineralized with jamesonite and sphalerite.

Associated minerals or products - Gold, lead, zinc, antimony.

HISTORY OF EXPLORATION AND DEVELOPMENT

The Silver Cup property is located between elevations of 4,600 and 5,000 feet on the west side of the most westerly cirque on the north side of Nine Mile Mountain, 9 miles northeast of Hazelton. The Silver Cup (Lot 366), Silver Dollar, Duke, and Duchess claims were located on the showings in 1909, by Messrs. Harris and Trainer. The Silver Cup Mines, Limited was formed in 1910 and development work was carried on into 1911. The four claims were leased to the Clothier Bros. in 1914 and further development work was carried on into 1916.

Work was resumed on the property in 1925 by the owners W.S. Harris and associates. In 1927 the Duke Mining Company, Limited was formed to operate the mine; the company name was changed in 1928 to Silver Cup (Hazelton) Mining Company, Limited. A 50-ton per day concentrator was built and operated from May 4th until December 7th, 1929, when ore reserves were depleted.

The Omineca Mining & Milling Company, Limited was formed in March 1930 to acquire the property but there is no indication that the mine was reopened.

The main vein was explored by a 200 foot adit at the 4,800 foot level, a 560 foot long adit at the 4,700 foot level, 730 feet of crosscut and drift in an adit at the 4,575 foot level, and connecting raises. Two adits, each about 45 feet long, were driven on the Duchess claim. On the Duke claim two adits were driven, one 20 feet, and the other 150 feet.

In 1950 the Silver Cup Crown-granted claim was owned by L.W. Patmore. Four adjoining claims were leased from the Crown by K.A. Wilson.

HISTORY OF PRODUCTION

From 1914-1937, 6,243 tons of ore were shipped from this property. From this ore 18 ounces of gold, 112,877 ounces of silver, 498,219 pounds of lead, and 269,475 pounds of zinc were recovered.

REFERENCES

- Kindle, E.D.; Mineral Resources, Hazelton and Smithers Areas, Cassiar and Coast Districts, British Columbia; Memoir 223, pp. 8-11, Geol. Surv. of Canada, 1940.
- O'Neill, J.J.; Preliminary Report on the Economic Geology of Hazelton District, British Columbia; Memoir 110, p. 34, Geol. Surv. of Canada, 1919.
- Annual Reports, Dept. of Mines, B.C.: 1909, p. 84; 1910, p. 86; 1911, pp. 97, 105; 1914, p. 201; 1918, p. 117; 1925, p. 134; 1927, p. 130; 1928, pp. 152-155; 1929, pp. 156-158.
- Mineral Policy Sector; Corporation Files: "Silver Cup (Hazelton) Mining Company, Limited"; "Omineca Mining & Milling Co. Ltd."
- Leech, W.W.; The Skeena River Districts; Summary Reports, 1909, p. 65; 1910, p. 97; Geol. Surv. of Canada.

MAP REFERENCES

- Map 971 A, Smithers-Fort St. James, (Geol.), Sc. 1":8 miles.
- Preliminary Map 44-24, Hazelton, (Geol.), Sc. 1":2 miles.
- Map 93 M/5 E, Hazelton, (Topo.), Sc. 1:50,000.

1957, 4.83 1:50,000 map

REMARKS

Comp./Rev. By								
Date	11-66							