

NAME OF PROPERTY CLIFF, CONSOLIDATED ST. ELMO

LOCATION- Center of Cliff claim.

Uncertainty - 300 metres. Lat. 49°05'20" Long. 117°48'20"

Mining Division Trail Creek District Kootenay

County Township or Parish

Lot Concession or Range

Sec. Tp. R.

OWNER OR OPERATOR AND ADDRESS

DESCRIPTION OF DEPOSIT

The country rock is mainly Lower Jurassic augite porphyry of the Rossland Formation. The vein on the Consolidated St. Elmo dips 60-70° north and can be traced almost the full length of the claim. Vein width varies from 3 to 4 feet. The mineralization includes pyrite, pyrrhotite, and some scattered chalcopyrite. Locally, coarse-grained pyrrhotite occurs over widths of as much as 21 feet, and assays a few dollars per ton in gold.

HISTORY OF EXPLORATION AND DEVELOPMENT

The Cliff claim is located on the lower east slope of Red Mountain, about a mile north of Rossland. The Consolidated St. Elmo adjoins to the west.

The Cliff claim (Lot 921) was staked in September 1890 by Gay Ruder and the Consolidated St. Elmo (Lot 924) in October of that same year by Will Springer. Both claims were Crown-granted in 1896 to J.R. Cook and associates of Spokane. The Cliff Gold and Copper Mining Company, Limited, was incorporated in 1899. Some further work was reported in 1904. The Granby Consolidate Mining, Smelting and Power Company, Limited, acquired the property in 1910 and some development work was carried out.

Exploration and development work to that date had been done in a 48 foot shaft and 60 foot adit on the Consolidated St. Elmo claim and about 1,000 feet of drifts and crosscuts in 3 adits on the Cliff claim.

The claims were subsequently acquired by a Rossland syndicate headed by L.A. Campbell. Lessees shipped small tonnages of ore during the period 1933-1936.

Scheelite was discovered in the old workings in 1942 and The Consolidated Mining and Smelting Company of Canada (Limited) examined the property under an option agreement; diamond drilling totalling 221 feet was done on the Cliff claim.

The claims were held in 1968 by Continental McKinney Mines Limited under a lease agreement with an expiry date of July 1972.

HISTORY OF PRODUCTION

From 1898 to 1936, 2,044 tons of ore were shipped from this property. From this ore 475 ounces of gold, 2,992 ounces of silver, and 49,941 pounds of copper were recovered.

REFERENCES

- Drysdale, C.W.; Geology & Ore Deposits of Rossland; Memoir 77, p. 132, Geol. Surv. of Canada, 1915.
- Reports of Minister of Mines, British Columbia; 1893, p. 1042; 1896, pp. 25, 557; 1899, p. 599; 1904, p. 207; 1910, p. 116; 1936, p. E-48; 1942, p. 81; 1968, p. 237.
- Stevenson, J.S.; Tungsten Deposits of B.C.; Bulletin No. 10 (Revised), p. 154, B.C. Dept. of Mines, 1943.

MAP REFERENCES

- Map 941, Rossland and Vicinity, (Geol. and Claim Map), Sc. 1":1,600 ft., Geol. Surv. of Canada, 1906.
- Map 1090 A, Nelson, (Geol.), Sc. 1":4 miles - Accomp. Memoir 308.
- Map 82 F/4 W, Rossland-Trail, (Topo.), Sc. 1:50,000.

REMARKS