

NAME OF PROPERTY

SNOWSHOE

LOCATION -of mine symbol on Map 82 E/2.

Lat. 49°05'35" Long. 118°34'55"

Radius of uncertainty - 50 metres.

Mining Division Greenwood

District Similkameen

County

Township or Parish

Lot

Concession or Range

Sec.

Tp.

R.

OWNER OR OPERATOR AND ADDRESS

The Granby Mining Company Limited.

DESCRIPTION OF DEPOSIT

For the geological setting, see: Phoenix, 82 E/2, Ref. Cu 2.

On the surface there were two ore bodies (South and North) separated by upward rolls in the (jasperoid) footwall rocks. The south orebody is a continuation of the one developed in the Curlew, Rawhide, and Gold Drop mines. The footwall rocks are jasperoids, tuffs, argillites, and local patches of crystalline limestone. The hanging wall consists of garnet and epidote of the mineralized zone into which the ore fades or from which it is separated by a fissure. The orebody was about 580 feet long (north-south), 270 feet wide, and varied in thickness from 26 to 35 feet. The orebody throughout was cut by numerous fissures which locally had a strong influence on the character of the ore. The ore is of the usual type, chalcopyrite and pyrite, with hematite, in a gangue of garnet, epidote, quartz, and calcite. The North orebody had a north-south length of about 370 feet, a width of 110 to 150 feet, and a thickness of from 8 to 55 feet. The footwall dip varies from 18 to 56 degrees to the east.

Associated minerals or products of value

HISTORY OF EXPLORATION AND DEVELOPMENT

The property is located at Phoenix, 4 miles east of Greenwood.

The Snowshoe claim (Lot 891) was staked in 1891 by J. Taylor and S. Mangott. Considerable assessment work was done but not recorded and the claim lapsed. The claim was restaked in 1893 by R. Denzler and Wm. Gibbs and bonded in 1897 to P. Clarke and associates, of Spokane. The claim was Crown-granted in 1898. The following year it became the property of The British Columbia (Rossland and Slocan) Syndicate (Limited), of England. An operating subsidiary, Snowshoe Gold & Copper Mines, Limited was incorporated in 1901. The mine produced from 1900 to 1904 the ore being shipped partly to the B.C. Copper Company, Limited, smelter at Greenwood and partly to the Dominion Copper Company, Limited, smelter at Boundary Falls, 3 miles south of Greenwood.

The Consolidated Mining and Smelting Company of Canada (Limited) leased the property comprising the Snowshoe, Pheasant Fairplay Fraction, and Alma Fraction claims, in 1906. The mine operated until April 1911 when it became unprofitable. The workings to that date included 3 adits and 2 shafts totalling about 10,000 lineal feet. The property was purchased by The Granby Consolidated Mining, Smelting and Power Company, Limited in 1913 but the mine was not reopened prior to Granby closing out its Phoenix operations in 1919.

The property was acquired by Mr. W.E. McArthur, of Greenwood, in about the 1930's. Attwood Copper Mines Limited optioned the Snowshoe and adjacent properties in 1951. Exploration work, including geophysical and geochemical surveys and diamond drilling, was carried out over 3 field seasons before the option was given up. Granby optioned the property in 1955 and 2,267 feet of diamond drilling was done in 26 holes. In 1957 the removal of overburden from the Snowshoe area was begun in preparation for open pit mining. Mining operations in the Snowshoe pit were carried on from April to December 1959 and during the period 1962-1964, inclusive. The company name was changed in 1959 to The Granby Mining Company Limited.

Mineral Resources Branch, Department of Energy, Mines and Resources, Ottawa.

B.C. Ref 82 E/SE -25

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HISTORY OF PRODUCTION

Recorded production for the period 1900-1911 totals 100,904 tons. From this ore 41,282 ounces of gold, 159,147 ounces of silver, and 13,937,892 pounds of copper were recovered. Production by Granby from the Snowshoe open pit has not been recorded separately. (See: Phoenix, 82 E/2, Ref. Cu 2)

MAP REFERENCES

Map 6-1957, Kettle River, (Geol.), Sc. 1":4 miles.

Preliminary Map 45-20 A, Greenwood-Phoenix, (Geol.), Sc. 1":800 feet - Accomp. Paper 45-20, Geol. Surv. of Canada.

*Map 82 E/2, Greenwood, (Topo.), Sc. 1:50,000.

REMARKS

REFERENCES

LeRoy, O.E.; The Geology and Ore Deposits of Phoenix, Boundary District, B.C.; Memoir 21, pp. 87-89, Geol. Surv. of Canada, 1912.

Reports of Minister of Mines, British Columbia: 1897, p. 593; 1898, pp. 1123, 1196; 1899, p. 763; 1900, pp. 873, 880; 1901, p. 1051; 1902, p. 182; 1903, p. 173; 1904, p. 222; 1905, p. 183; 1906, p. 161; 1908, p. 116; 1955, p. 46; 1956, p. 75; 1957, p. 38; 1958, p. 36; 1959, p. 58; 1962, p. 69; 1963, p. 68; 1964, p. 111.

Mineral Resources Branch; Corporation Files: "Cominco Ltd."; "The Granby Mining Company Limited"; "Attwood Copper Mines Limited".

APR 1973