

NAME OF PROPERTY

WOLF

OBJECT LOCATED (Wolf Crown-grant (Lot 3795).

UNCERTAINTY IN METRES 300. Lat. 55°42'30" Long. 129°31'00"

Mining Division Skeena District

County Township or Parish

Lot Concession or Range

Sec Tp. R.

OWNER OR OPERATOR

DESCRIPTION OF DEPOSIT

Rocks on the property are mainly Jurassic Hazelton group massive fragmental volcanics overlying shales and argillites. Narrow fine-grained dykes of andesitic composition intrude both the volcanic rocks and the replacement deposits. They range in width from 6 inches to 5 feet and follow the dominant north-northeast fracture pattern. Northwesterly striking shear zones cut the No. 2 replacement deposit in the 1,200 level drift; near the end of the drift this deposit has been cut off by a north-east striking southerly dipping fault. Three quartz-barite-jasper, pyrite replacement deposits, vein-like in form, follow large fractures and shear zones in tuffs and agglomerates. These deposits are 10 to 90 feet wide, trend north-northeast, and dip steeply to the east and west. The replacements exhibit a brecciated appearance, with subrounded fragments of quartz in a matrix of fine-grained quartz, barite, jasper and carbonate. Pyrite is the most widespread metallic mineral, and varying amounts of galena, sphalerite, magnetite, hematite, and silver-see Card 2

Associated minerals or products - Lead, zinc, barite.

HISTORY OF EXPLORATION AND DEVELOPMENT

The Wolf mineralized zones are located on the east side of the Kitsault River, 1/2 mile south of the lower end of Silverwolf Creek, and about 15 3/4 miles north of the community of Alice Arm. The Silver Horde property lies to the north and adjoining.

The Wolf showings were discovered and staked in 1915 by D.W. Cameron and optioned later in the year to R.B. McGinnis & associates, owners of the Dolly Varden property 2 miles to the south. Dolly Varden Mines Company, of Chicago, was formed to carry on exploration and development work. On the Wolf group during 1915 and 1916 some 3,000 feet of diamond drilling was done and a drift adit was driven 35 feet with a crosscut for 60 feet across the vein. The Wolf group of 4 claims, comprising the Wolf No. 2, Wolf, Wolf No. 3, and Wolverine (Lots 3794-3797 respectively), was Crown-granted to D.W. Cameron in 1917.

The company entered into an agreement with the Taylor Engineering Company for the construction of a 19 mile long railway from Alice Arm, with the proposed terminus at the Wolf property. Construction began in 1917 but the cost so exceeded the estimate that the holdings of the Dolly Varden Mines Company passed into the hands of the Taylor Engineering Company. The railway was subsequently completed to the Dolly Varden property and the Taylor Mining Company, Limited was formed in May 1919 to carry on the mining operations. The Dolly Varden mine was operated for several years but nothing further was done on the Wolf property.

Early in 1922 the Wolf and Dolly Varden properties were acquired on the foreclosure of a mortgage by the George Wingfield interests. Mr. Wingfield, with other creditors, formed the Northern Mining Properties, Limited in April 1922, however, no work was reported by the company. Mr. V. Spencer & associates of Vancouver, optioned the Wolf and Dolly Varden groups early in 1928 and subsequently acquired title to the Wolf property. The Britannia Mining and Smelting Co., Limited, operator of the nearby Toric mine, optioned the Wolf and Dolly Varden properties in November 1929. On the Wolf property 2,320 feet of diamond drilling was done to check the results of the former drilling; both options were dropped early in 1930.

The Wolf property lay idle from 1930 until 1960 when it was optioned from the Victor Spencer estate by Dolly Varden see Card 2

Mineral Policy Sector, Department of Energy, Mines and Resources, Ottawa

509404

HISTORY OF PRODUCTION

REFERENCES

Reports of Minister of Mines, British Columbia:
 1915, p. 70; 1916, pp. 52, 77; 1917, pp. 46, 451; 1918, pp. 57, 61; 1919, pp. 53, 55; 1920, p. 48; 1921, pp. 50, 272; 1922, p. 59; 1928, p. 85; 1929, p. 85; 1930, p. 93; 1951, pp. 76-83 +, 97; 1960, p. 8; 1961, p. 10; 1962, p. 9; 1963, p. 12; 1964, pp. 41-43 ++; 1967, p. 41; 1968, p. 59.

Hanson, George; Portland Area, British Columbia; Memoir 175, p. 87, Geol. Surv. of Canada, 1935.

Hanson, George; Upper Kitsault Valley, British Columbia; Summary Report 1921, Pt. A, p. 18, Geol. Surv. of Canada.

Eardley-Wilmot, V.L.; Silver Producing Mines in British Columbia, p. 148, Mineral Policy Sector, File MR-AG-301.00, British Columbia.

Mineral Policy Sector; Corporation Files: "Dolly Varden Resources Limited"; "Bralorne Can-Fer Resources Limited".

Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1969, p. 60.

Exploration in British Columbia; BCDM: 1978, p. 238; 1980, p. 409.

Dawson, G.L. and Alldrick, D.J.; Geology and Mineral Deposits of the Kitsault Valley; Geological Fieldwork 1985, p. 219, BCDM.

Devlin, B.D. and Godwin, C.I.; Geology of the Dolly Varden Camp-Alice Arm Area; Geological Fieldwork 1985, p. 327, BCDM.

MAP REFERENCES

Geology of Upper Kitsault Valley Area, Sc. 1":2,250 feet, Fig. 1 - accomp. Report of Minister of Mines, B.C. 1951, p. 79.
 Map 307 A, Portland Canal Area, (Geol.), Sc. 1":4 miles - accomp. Memoir 175.
 #Map 103 P/12, Hastings Arm, (Topo.), Sc. 1:50,000.
 Map 1901, Upper Kitsault Valley, (Geol.), Sc. 1":3,000 ft. - accomp. Summary Report 1921, Pt. A.
 Geology of the Dolly Varden property, Fig. 50-1, Geological Fieldwork 1985, p. 328.

REMARKS

Comp./Rev. By	DMacR	JL	DMacR				
Date	3-79	09-82	08-86				

NAME OF PROPERTY

WOLF

DESCRIPTION OF DEPOSIT (continued)

bearing minerals occur in small fractures in zones of fine-grained crushed quartz interstitial to the larger quartz fragments. The silver-bearing minerals include pyrrargyrite, tetrahedrite, and native silver; they occur in varying amounts throughout the deposits, and the richer shoots bear little relation to known structures. Galena also occurs in small irregular quartz veins within the replacements.

HISTORY OF EXPLORATION AND DEVELOPMENT (continued)

Mines Ltd. During the year 1,400 feet of diamond drilling was done in 8 holes; a further 2,322 feet of diamond drilling was done on the Wolf showings in 1962. Underground work on the Wolf group in 1963 totalled 627 feet of drifting and 164 feet of crosscutting in 3 new adits.

Sunshine Mining Company, of Spokane optioned the holdings of Dolly Varden Mines in January 1964. During the year 1,020 feet of drifting and crosscutting was done on the 1,200 adit level of the Wolf property and 10,295 feet of diamond drilling was done on both surface and underground. No further work was done by Sunshine and Dolly Varden regained title to the properties in September 1965.

Newmont Mining Corporation of Canada Limited optioned the Dolly Varden properties, totalling 23 claims, in February 1967. Work during the year included geological mapping and an airborne magnetic survey over the main claims; the option was dropped at the end of the year.

Dolly Varden resumed work on the Wolf group in 1968. Drilling in 8 percussion holes totalling 320 feet was carried out and an adit on Wolf No. 2 claim was driven 100 feet. During 1969 work included 700 feet of drifting, 125 feet of raising, and 12,000 feet of percussion drilling for sampling purposes. The underground work was done in extending the 1,300 and 1,500 levels on No. 2 vein and in raising and driving a sublevel on No. 1 vein. Bralorne Can-Fer Resources Limited optioned the property in October 1969 and carried out 5,320 feet of surface drilling and 2,170 feet of underground drilling. The option expired on April 30, 1970.

Dolly Varden Mines in 1971 reported the proven, probable, and possible reserves at 534,969 tons averaging 9.79 ozs silver per ton, 0.59% lead, and 0.12% zinc (Dolly Varden Ms L, 1971 AR).

Dolly Varden Mines Ltd. underwent name changes in November 1975 to Silver Dolly Resources Ltd., in October 1976 to Dolly Resources Ltd., and in April 1977 to Dolly Varden Resources Limited, which was 95% owned by Yorkshire Resources Limited. A geochemical soil survey was carried out over the property in 1978.

HISTORY OF EXPLORATION AND DEVELOPMENT (continued)

In December 1979 Dolly Varden Resources amalgamated with Yorkshire Resources under the name Dolly Varden Minerals Inc. Work in 1980 by Torbrit Silver Resources Ltd included 284 m of underground drilling.