

## NAME OF PROPERTY

MOOSE and CLIMAX

## OBJECT LOCATED

## UNCERTAINTY IN METERS

Lat. 55°43' 15" Long. 129°31'20"

Mining Division Skeena

District Cassiar

County

Township or Parish

Lot

Concession or Range

Sec

Tp.

R.

## OWNER OR OPERATOR AND ADDRESS

Silver Butte Mines Ltd.,  
14th Floor, Burrard Bldg.,  
Vancouver, B.C.

## DESCRIPTION OF DEPOSIT

The country rocks are massive fragmental volcanics of the Hazelton group. Mineralization occurs in a siliceous zone 5 to 30 feet wide which strikes west-northwest and dips steeply north; the walls are irregular and indefinite, the zone apparently having been formed by replacement and filling along a crushed and brecciated zone. The zone has been cut into several blocks by transverse and longitudinal faults of small throw. The western end of the zone, lying on the Moose group, has been exposed on the west slope of the ridge between elevations of 2,000 and 2,400 feet; this zone is nearly aligned with the Climax zone, which is exposed on the east slope of the ridge about 300 feet to the east. The deposit consists chiefly of quartz and silicified country rock containing some calcite, jasper, and barite, mineralized with pyrite, marcasite, and varying amounts of galena, sphalerite, and silver-bearing tetrahedrite. The

see Card 2 ....

Associated minerals or products of value - Lead, zinc.

## HISTORY OF EXPLORATION AND DEVELOPMENT

These showings are located on the east side of the Kitsault River 16½ miles north of Alice Arm. The claims lie at about the 2,200 foot elevation on a north trending ridge between the lower end of Silverwolf Creek and the Kitsault River. The Moose claims lie on the west side of the ridge; the Climax claims are located on the east side of the ridge and adjoining. The Silver Horde property lies to the south and adjoining.

The Moose showings were discovered and 4 claims staked by Don Cameron in 1916. Exploration and development work by Mr. Cameron and associates during the years following was done in open cuts and a 35 foot long adit. The Moose claim Nos. 1, 2, 5, 6, and Moose Fraction were bonded to Vancouver interests who formed the Moose Group Mining Company, Limited, in September 1920. Development work by the company was done in 3 adits: the No. 1 (Cameron) adit at elevation 2,350 feet was extended 60 feet to a total of 95 feet; No. 2 adit was driven a short distance; No. 3 adit at elevation 2,000 feet was driven 128 feet. Much of the work in No. 3 adit was done in barren ground to the left of a faulted segment of the vein. The company relinquished the bond early in 1921. The owners began work in No. 3 adit, picked up the vein and drifted 75 feet along the footwall; crosscuts showed the vein to be 10 to 22 feet wide, of low-grade ore showing better values on the hanging-wall and high-grade on cross fractures. Work on the property ceased in 1921.

During the period 1926-1931 the 5 claims were held and prospected by W. Strombeck and Miles Donald, of Alice Arm. In 1951 the 4 Crown-granted Moose claims (Lots 1241-1244) were owned by R.C. McCorkell and the Moose Fraction claim was owned by R.L. Clothier, of Vancouver. The Mt. Washington Copper Co. Ltd. optioned the Moose group in July 1963. Silver Butte Mines Ltd. acquired the claims in 1964 and during the year 2,040 feet of diamond drilling was done near the Climax boundary.

The Climax (Lot 941) and Climax No. 2 (Lot 942) claims were held by O. Besner and M.P. Olson from about 1918 and were Crown-granted to Mr. Besner in 1927. Yearly assessment work was done by the owners in open cutting and in a drift

see Card 2 ....

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

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HISTORY OF PRODUCTION

REFERENCES

Black, J.M.; Moose; Climax; Report of Minister of Mines, British Columbia, 1951, pp. 94, 95.

Hanson, George; Portland Canal Area, British Columbia; Memoir 175, pp. 58, 73, Geol. Surv. of Canada, 1935.

Reports of Minister of Mines, British Columbia: 1916, p. 79; 1918, p. 61; 1919, p. 55; 1920, p. 49; 1921, p. 52; 1922, p. 60; 1923, pp. 59, 60; 1925, p. 76; 1926, p. 83; 1929, p. 88; 1930, p. 96; 1931, p. 38; 1964, p. 44; 1967, p. 41.

Mineral Development Sector; Corporation Files: "Moose Group Mining Company, Limited"; "Utility Mines (Number One), Limited"; "Dolly Varden Mines Ltd."; "Silver Butte Mines Ltd."; "Bush Mines, Limited".

Hanson, George; Upper Kitsault Valley, British Columbia; Summary Report 1921, Pt. A, pp. 18, 19, Geol. Surv. of Canada.

MAP REFERENCES

Geology of Upper Kitsault Valley Area, Sc. 1":2,250 feet, Fig. 1, Report of Minister of Mines, British Columbia, 1951, p. 79.

Map 307 A, Portland Canal Area, (Geol.), Sc. 1":4 miles - accomp. Memoir 175.

Map 103 P, Nass River, (Topo.), Sc. 1:250,000.

*103 P/12*

REMARKS

Comp./Rev. By		DMacR					
Date	3-68	11-74					

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## DESCRIPTION OF DEPOSIT (continued).

sulphides are not plentiful and the whole deposit seems rather low-grade. In a crosscut from the drift adit the Climax zone is 21 feet wide. Four samples from the crosscut gave the following range of assays: Gold, trace to 0.01 ounce a ton; silver, 1.0 to 13.2 ounces a ton; lead, 0.4 to 3.3%; zinc, trace to 2.8%.

Diamond drilling in 1967 on the north part of the Climax claim established the continuity of the east-striking quartz-barite-jasper-pyrite replacement deposit between the boundary of the Moose claims and the old Climax adit 120 feet to the east. A chip sample across the 15-foot width of a trench 25 feet west of the adit portal assayed: gold, trace; silver, 6.9 ounces per ton; copper, 0.03%, lead, 4.93%; zinc, 0.27%

## HISTORY OF EXPLORATION AND DEVELOPMENT (continued)

adit which was driven 57 feet along the footwall side of the zone with a diagonal crosscut for 33 feet across the zone. O.B. Bush and associates are reported to have bonded the Climax and Silver Horde groups in 1920. No work was reported under the agreement and the bond was given up. Utility Mines (Number One), Limited, acquired the Climax group in 1929 along with the Tiger and Kitsol claim groups. No work was reported on the Climax group; the company charter was surrendered in 1933. In 1951 the Climax group was owned by T.W. Falconer and J. Larsen, of Alice Arm, and W. Fraser, of Prince Rupert. Dolly Varden Mines Ltd. purchased the Climax group in 1963.

An agreement was reached with Dolly Varden Mines in 1966 whereby Silver Butte Mines could mine ore in the Climax property from the Moose adit, on a royalty basis. Diamond drilling on the Climax claim (Lot 941) in 1967 totalled 1,658 feet in 9 holes.

The company name was changed in 1972 to Consolidated Silver Butte Mines Ltd. The Moose group at that time comprised 3 claims (Moose 1, 2, 6 - Lots 1241-1243).

*agreed 1980 by Ledvitas Energy Inc.  
agreement to purchase (March 1980)  
Silver Butte Mines Ltd.*