

PRODUCT SILVER

PROVINCE OR TERRITORY BRITISH COLUMBIA

N.T.S. AREA 103 P/12

REF. Ag 10

NAME OF PROPERTY Tiger

LOCATION

Lat. 55°41'30" Long. 129°30'10"

Mining Division Skeena District Cassiar
 County Township or Parish
 Lot Concession or Range
 Sec. Tp. R.

OWNER OR OPERATOR AND ADDRESS

DESCRIPTION OF DEPOSIT - The claims are underlain by dense volcanic tuffs and felsite, cut by several narrow lamprophyre dykes. The mineral deposit is a quartz vein or replacement deposit 4 to 18 feet wide that has been traced on the surface for 300 feet in a northerly direction. A transverse fault 60 feet from the north end of the vein offsets the vein 30 feet. Another parallel fault 20 feet farther north has apparently offset the vein 40 feet. The strike changes from block to block and all dip steeply. The vein contains calcite as well as quartz and is mineralized with pyrite, sphalerite, galena, ruby silver, and native silver. No. 2 adit crosscuts a replacement deposit about 15 feet wide striking north and dipping steeply eastward. The deposit contains considerable pyrite, some hematite, and small specks of a silver mineral, probably argentite. Three samples that together represent the full width of the zone assayed from 2.2 to 3.8 ounces a ton in silver. No. 3 adit crosscuts a vein striking N15°E and dipping steeply eastward. It is about 7 feet wide in a branch of the crosscut and a few inches wide at the crosscut 40 feet to the south. The vein consists of silicified agglomerate with abundant quartz veinlets, hematite, pyrite, and a minor amount of sphalerite. Two samples across a vein width of about 40 inches assayed 4.2 and 4.3 ounces a ton in silver. Spectrographic analysis of 5 samples taken from the property indicated the presence of as much as 5% manganese.

Associated minerals or products of value Lead, zinc

HISTORY OF EXPLORATION AND DEVELOPMENT

The Tiger showings lie between elevations of 1,500 and 2,300 feet on the east side of the Kitsault River 14½ miles north of the community of Alice Arm. The Toric property lies to the south and adjoining.

The Tiger property consists of 2 claims and a fraction (Lots 3613-3615). The showings were discovered and the Tiger and Lion claims staked by Ed Pickett of Alice Arm, in 1916; the Del Norte Fraction claim was staked by Mr. Pickett in 1926. Exploration work was begun by the owner in 1916 in tracing the vein by open cutting. During 1919 and 1920 the claims were under bond to H.B. Price, of Victoria, who drove about 185 feet of tunnel, and completed about 1,500 feet of diamond drilling in 9 holes, which explore the vein for a length of 300 feet; the option was subsequently dropped. No further work was reported by the owner until 1927 when 2 short crosscuts were driven into two of the faulted sections of the vein.

Utility Mines (Number One), Limited, which was formed in November 1928, optioned the Tiger and several other groups of claims on the Kitsault River. Development work on the Tiger group in 1928 and 1929 was done in 2 crosscut adits; operations were suspended in August 1929; the company completed purchase of the property in October 1930. The company charter was surrendered in 1933.

Exploration work had been done in 3 main adits; the upper adit at about the 2000 foot elevation, was driven about 185 feet southeastward under the faulted section of the vein; No. 2 tunnel, about 115 feet lower and 300 feet to the southwest, was driven east 96 feet; No. 3 adit, about 150' below and 175 feet southwest of No. 2, was driven 360 feet eastward, with a branch 230 feet from the portal driven 140 feet northeast.

The claims were subsequently acquired by the Britannia Mining and Smelting Co., Limited, who held the adjoining Toric property. No further work was reported until 1958 when Torbrit Silver Mines Limited optioned the Tiger claim. Some trenching was done in tracing the extension of a vein outcrop found on the north bank of Tiger Creek and 667 feet of diamond drilling intersected the vein at several points; results were disappointing in width and grade and the option was terminated in November 1958.

The Anaconda Company (Canada) Ltd. purchased the assets of Britannia Mining and Smelting Co. in 1963. Silver Butte Mines Ltd. optioned the property in 1968 and sampled the old workings. During 1969 one diamond drill hole was drilled horizontally for 393 feet to test for the extension of mineralization exposed in the upper two adits; an 18 foot section, between 294 and 313 feet, assayed 6.2 ounces silver per ton. p.t.o.

HISTORY OF PRODUCTION

Shipping point	Distance from mine
Material shipped	Carrier
Destination	

MAP REFERENCES

Geology of Upper Kitsault Valley Area, Sc. 1" : 2,250 feet - accomp.
Report of Minister of Mines, British Columbia, 1951, p. 79.
Map 307A, Portland Canal Area, B.C. (Geol.) Sc. 1" : 4 miles -
accomp. Memoir 175.
Map 103P, Nass River, B.C., (Topo.) Sc. 1 : 250,000.

REMARKS

REFERENCES

- Hanson, George; Portland Canal Area, British Columbia; Memoir 175, p. 82, Geol. Surv. of Canada, 1935.
- Black, J.M.; Tiger; Report of Minister of Mines, British Columbia, 1951, p. 101.
- Reports of Minister of Mines, British Columbia; 1916, p. 80; 1918, p. 59; 1919, p. 54; 1920, p. 47; 1922, p. 60; 1926, p. 84; 1927, p. 76; 1928, p. 87; 1929, pp. 86, 431; 1930, p. 96; 1958, p. 7; 1968, p. 59
- Hanson, George; Mineral Deposits of Alice Arm District, British Columbia; Summary Report 1928, Pt. A, p. 46, Geol. Surv. of Canada.
- Mineral Development Sector; Corporation Files: Utility Mines (Number One), Limited; "Torbrit Silver Mines, Limited" - annual Report 1958, p. 5; "Silver Butte Mines Ltd."
- Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1969, pp. 60-62; 1970, p. 86.

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HISTORY OF EXPLORATION AND DEVELOPMENT (continued)

In 1971 blasting and trenching was done in an area 400 feet south of the highest adit. The company name was changed in 1972 to Consolidated Silver Butte Mines Ltd.

FORM	1968
OCT	1971
NOV	1974