

NAME OF PROPERTY TEDI (CALLAGHAN) (ASTRA)

OBJECT LOCATED - Callaghan claim.

UNCERTAINTY IN METRES 200. Lat. 50°05' Long. 123°08'30"

Mining Division Vancouver District New Westminster

County Township or Parish

Lot Concession or Range

Sec Tp. R.

OWNER OR OPERATOR AND ADDRESS

DESCRIPTION OF DEPOSIT

The underlying rocks are mainly roof pendant rocks of late Palaeozoic or early Mesozoic age. They include interbedded limestones and fine grained, limy greenstones, diorite, dacite, quartz diorite and minor rhyolite, which have been intruded by granodiorite and quartz diorite of the Jurassic age Coast Range batholith. Extensive aphanitic felsite dykes trending north-south and dipping vertically to steeply east or west intrude the above rocks. The dykes are found in zones of strong foliation, probably fault zones, which trend north-south. Widespread low-grade disseminations of pyrite, chalcopyrite, sphalerite, and galena occur, with some streaks or lenses of higher grade concentrations, in the altered sedimentary and volcanic rocks.

Associated minerals or products of value - Gold, lead, zinc, copper.

HISTORY OF EXPLORATION AND DEVELOPMENT

The property is located at the 3,500 foot elevation on the south side of Dority Creek, a tributary of Callaghan Creek, about $3\frac{1}{2}$ miles north-northwest of Brandywine Falls.

The Astra group of 6 claims was staked by Frank Price, B.A. Falkner, and associates, of Vancouver, in 1925. Annual assessment work, mainly stripping and trenching, was carried out for a number of years. In 1934 the property comprised 14 claims, including the Astra and Cambria. By 1936 an adit at the 3,200 foot elevation had been driven about 100 feet. The Venus group of 7 claims, adjoining to the north, was owned during this period by Dan McKinnon, of Vancouver.

The Callaghan and Tarn 1-11 claims, acquired by Barkley Valley Mines Ltd. in November 1966, were a restaking of the showings. Work by the company during the period 1967-1970, inclusive, included magnetometer and electromagnetic surveys, trenching, stripping, diamond drilling totalling 1,462 feet in 16 holes, and percussion drilling in 46 holes totalling 4,700 feet. A small amount of ore from surface exposures was shipped to Britannia in 1970.

Noranda Exploration Company, Limited, optioned the property in 1971 and carried out geological mapping, a geochemical soil survey, an electromagnetic survey over 3.2 line-miles, and 805 feet of diamond drilling in 3 holes, all on the Callaghan claim.

Tedi Resources Ltd., incorporated December 1972, restaked the Callaghan claim as the Tedi #1 claim. Additional staking was done in the Bob 1-34, Sun 1-6, and Lux 1-4 claims. Exploration work began in 1973 and continued until April 1974. Work included geological mapping, diamond drilling in 14 holes totalling 2,979 feet on the Tedi claim, and 2 holes totalling 884 feet on Bob 25 claim. Under an agreement of January 1974 Van Silver Explorations provided 70 per cent of the cost of this drilling; the two companies were related through a common group of insiders. Based on this work, probable reserves were estimated at 137,000 tons averaging 3.68 ounces of silver and 0.01 ounce of gold per ton, 0.22% copper, 2.07% lead, and 2.04% zinc (Northern Miner, October 24, 1974).

An agreement of October 1974 as to Van Silver (70%) and Tedi Resources (30%) provided for the joint venture development of the Tedi showing and the Sunny Cave property (92 J/3, AG 1). Stripping of the Tedi zone began in 1976 in preparation for open pit mining.

Mineral Development Sector, Department of Energy, Mines and Resources, Ottawa.

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HISTORY OF PRODUCTION

In 1970, 90 tons of ore were shipped from this property. From this ore 5 ounces of gold, 373 ounces of silver, 3,645 pounds of copper, and 17,780 pounds of lead were recovered.

REFERENCES

Reports of Minister of Mines, British Columbia: 1925, p. 301; 1926, p. 332; 1929, p. 398; 1930, p. 312; 1932, p. 210; 1934, p. F14; 1936, pp. F53-F56; 1937, p. 61; 1968, p. 75.

Geology, Exploration and Mining; British Columbia Dept. of Mines: 1969, p. 191; 1970, p. 230; 1971, p. 307; 1974, p. 199.

Mineral Policy Sector; Corporation Files: "Barkley Valley Mines Ltd."; "Van Silver Explorations Ltd."; "Van Silver Mines Ltd."

Marton, A.S.; Bedrock Geology of the Tedi Pit Lead-Zinc-Copper-Silver Showing, Van Silver Property, Southwest British Columbia; B.Sc. Thesis, U. British Columbia, 1978. (Abstract in CIM Bull., Nov. 1980, p. 30).

+Geology in British Columbia; BCDM: 1977-81, p. 98,

Exploration in British Columbia; BCDM: 1979, p. 183; 1983, p. 300.

Geological Fieldwork, BCDM: 1977, p. 98.

MAP REFERENCES

#Claim and Location Map, Brandywine Creek Area - in Van Silver Explorations Ltd. Statement of Material Facts, Feb. 1, 1974.

Map 92 J/3, Brandywine, (Topo.), Sc. 1:50,000.

#Geology of the Callaghan Creek Area, Figure 32, Geology in British Columbia 1977-1981, BCDM.

HISTORY OF EXPLORATION AND DEVELOPMENT (continued)

Van Silver Mines Ltd. was formed in November 1976 by the amalgamation of Van Silver Explorations and Tedi Resources (30%). A 150 ton per day mill was completed in July 1977 on the Sunny Cave property, 1.25 miles from the open pit. The mill operated on an intermittent basis between September 7 and December 22, milling 8,067 tonnes ore. The company was placed in receivership on December 23, 1977. The company name (Van Silver Mines) was changed in April 1979 to Silver Tusk Mines Ltd. For subsequent history see 92 J/3, Ag 1.

REMARKS

Comp./Rev. By	DMacR	DMacR	DMacR				
Date	12-77	8-79	06-88				