

NAME OF PROPERTY

HOME GOLD (PIPESTEM)

OBJECT LOCATED - Pipestem showings.

UNCERTAINTY IN METRES 300. Lat. 49°32' Long. 121°18'10"

Mining Division New Westminster District Yale

County Township or Parish

Lot Concession or Range

Sec Tp. R.

OWNER OR OPERATOR AND ADDRESS

DESCRIPTION OF DEPOSIT

The country rocks are Devonian (?) to Permian greenstone, chert, fine-grained clastics (pelite), and minor limestone, of the Hozameen Group to the southwest and Lower to Middle Jurassic pelite, less abundant volcanic sandstone, minor conglomerate, and local volcanic rocks of the Ladner Group to the northeast. The northwesterly trending contact between the Hozameen and Ladner groups is remarkably straight and marked by serpentinite for most of its length. The contact between the two units is shown as assumed fault on Map 12-1969.

The Pipestem mine is situated entirely within the Ladner Slate belt, but not far from the contact with rocks of the serpentinite belt. The principal formation at the mine is a rather massive dark grey to black, tuffaceous sandstone or greywacke varying from close-grained to finely conglomeratic. The sediments have an average and fairly consistent northwesterly strike and southwesterly dip, the latter steepening from about 35 degrees at the surface to 55 or 60 degrees and even higher dips underground. In addition to these sedimentary rocks a porphyry dyke about 15 feet wide is exposed about 200 yards south-south-see Card 2

Associated minerals or products of value - Silver, copper.

HISTORY OF EXPLORATION AND DEVELOPMENT

The property is located on the divide between the middle fork of Ladner Creek and the head of Siwash Creek, 12 miles northeast of Hope.

In 1920 the Pipestem property comprised 6 claims on which open cuts and a 30 foot shaft had been sunk. The Pipestem was owned in 1922 by G. Fagan and associates. The workings at that date included a 300 foot adit.

Pipe Stem Mining Co., Limited, incorporated January 1927, carried out exploration work during 1927-1928. A Ross mill with a nominal capacity of 5 to 6 tons per 8 hour shift was installed in 1927 and the upper adit driven 105 feet.

Home Gold Mining Company, Limited, incorporated June 1929, began development work in 1932; No. 3 adit was driven 182 feet in 1932; No. 4 adit was driven 410 feet in 1933. The mill operated for several months in 1934-35. Further production was reported in 1936 and 1937. Home Mines, Limited, was incorporated in 1946 to acquire all assets of Home Gold Mining.

Summit Mining Co. Ltd., incorporated in 1961, acquired the property and in 1966 carried out trenching.

Carolin Mines Ltd. in June 1973 optioned from Summit Mining the Cabin 1-14, 20-21, Home Gold 1-15, Sylvia Fraction, and Gold Star 1-4 claims covering the former Pipestem property, and adjacent ground to the south that has been included in the Aurum property (92 H/11, AU 8). Geological mapping was carried out during the year.

Early in 1975 Numac Oil & Gas Ltd. and Precambrian Shield Resources Limited optioned the Carolin Mines property. Exploration work during the year, under the management of Precambrian, included a magnetometer survey over 20 line-kilometres and a reconnaissance geochemical survey over 35 line-kilometres. The option agreement was terminated in 1976.

HISTORY OF PRODUCTION

During the period 1935-1937 a total of 1,650 tons of ore were milled or shipped from this property. From this ore 272 ounces of gold, 37 ounces of silver, and 121 pounds of copper were recovered.

REFERENCES

- Cairnes, C.E.; The Serpentine Belt of Coquihalla Region, Yale District, British Columbia; Summary Report 1929, Pt. A., p. 162, Geol. Surv. of Canada.
- Cairnes, C.E.; Coquihalla Area, British Columbia; Memoir 139, pp. 144-145, Geol. Surv. of Canada, 1924.
- Reports of Minister of Mines, British Columbia: 1922, p. 143; 1927, p. 208; 1928, p. 227; 1929, p. 238; 1932, p. 156; 1933, p. 176; 1935, p. F 58; 1936, p. F 33; 1937, p. F 35.
- Monger, J.W.H.; Hope Map-Area, West Half, British Columbia; Paper 69-47, Geol. Surv. of Canada.
- Mines Branch, Ottawa; Investigations in Ore Dressing and Metallurgy; 1933, Rept. 744, pp. 100-106 (No. 534).
- Mineral Policy Sector; Corporation Files: "Home Gold Mining Company, Limited"; "Home Mines, Limited"; "Carolin Mines Ltd."
- Cairnes, C.E.; Coquihalla Area, British Columbia; Summary Report 1920, Pt. A., p. 34.
- Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1973, p. 152; 1975, p. E 72.

MAP REFERENCES

Map 12-1969, Hope (West Half), (Geol.), Sc. 1:250,000 - accomp. Paper 69-47.

Map 737 A, Hope, (Geol.), Sc. 1":4 miles (1954).

#Map 1988, Coquihalla River Area, (Geol.), Sc. 1":1 mile - accomp. Memoir 139.

*Map 92 H/11, Spuzzum, (Topo.), Sc. 1:50,000.

REMARKS

Comp./Rev. By	DMacR	DMacR					
Date	10-74	2-78					

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DESCRIPTION OF DEPOSIT (continued)

east of the mine workings and seems to strike towards them. The initial work was done on the main showing on Pipestem No. 1 claim. Here two open-cuts had been made on a quartz vein which varied in width from 6 inches to 2 feet, but along the course of which the slate walls were so heavily mineralized and ran so high in gold values as to increase the actual width of the pay streak from 50 per cent to 100 per cent. A specimen of this country rock showing exceptionally heavy sulphide mineralization was assayed by the Mines Branch, Ottawa, and ran 3.76 ounces in gold. The quartz vein appears to be bedded with the slates, which here have a more massive habit than farther down the valley and are highly fossiliferous.

The lower adit crosscuts five strong fault fissures. All have nearly the same strike, averaging north 38 degrees west, and all but the second have either vertical or southwesterly dips. In both their strike and dip these fault fissures tend to coincide with cleavage or bedding structures of the enclosing rocks. The three intersected towards the face of the adit all carry more or less vein quartz and two of them have been drifted on for distances aggregating 125 feet. Towards the northwest face of the drift on the first of these three fissures, quite a lot of quartz was encountered across a width of nearly 3 feet, this quartz including a considerable proportion of partly replaced wall-rock. The siliceous material in the lower adit is sparingly mineralized by arsenopyrite and pyrite. A sample taken across a width of 32 inches, including the 6 inches of solid quartz, was assayed by the Mines Branch, Ottawa, and reported to contain gold at the rate of 0.10 ounces Troy to the ton.