

PRODUCT PRODUIT	GOLD	PROVINCE OR TERRITORY	PROVINCE OU TERRITOIRE	British Columbia	N.T.S. AREA 92 H/8 RÉGION DU S.N.R.C.	REF. AU 7 RÉF.
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NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ GOLD MOUNTAIN MINES (POLLOCK) (MAPLE LEAF)

OBJECT LOCATED - Pine Knot vein.
OBJET LOCALISÉ

UNCERTAINTY 300 m
FACTEUR D'INCERTITUDE

Lat. 49°21'20"	Long. 120°07'30"
Lat.	Long.

Mining Division Division minière	Osoyoos	District District	Similkameen
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County Comté	Township or Parish Canton ou paroisse
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Lot Lot	Concession or Range Concession ou rang
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Sec Sect.	Tp. Ct.	R. R.
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OWNER OR OPERATOR/PROPRIÉTAIRE OU EXPLOITANT

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

Upper Triassic sedimentary rocks of the Nicola Group, mainly argillites with some cherty members and a few thin beds of calcareous argillites, strike in general northeasterly and dip steeply southeast. These rocks are intruded by an irregular stock-like body of diorite of the Coast intrusions and by occasional small andesite dykes.

Four shear zones are known on the property, the principal one being on the Maple Leaf claim. This is an irregular, branching zone striking north and dipping 60 degrees to the west, with ore shoots developed at intervals along it. The zone itself is as much as 30 feet wide, but the greatest width of quartz is 12 feet.

The ore minerals occur in the quartz, but are not evenly disseminated. The shear meets the diorite at an acute angle, and is best mineralized in the metamorphic rocks near the contact, but is barren in the diorite. A vein length of about 240 feet was partially explored in early work on the property.

The Pine Knot vein strikes N25 to 30°E and dips NW at 50 to 65°. It varies from a foot or so to 12 feet in width, the greater width when following an andesite dyke. At the north-

see Card 2

Associated minerals or products - Silver, zinc, copper, lead.
Minéraux ou produits associés

HISTORY OF EXPLORATION AND DEVELOPMENT
HISTORIQUE DE L'EXPLORATION ET DE LA MISE EN VALEUR

The property is located at the 2,500 foot elevation on the west side of Henri Creek, ½ mile south of the Similkameen River and 2 miles west of Hedley.

The showings were discovered and staked by H.C. Pollock in 1900. Exploration work began in open cuts and short crosscut adits to the Pine Knot vein. The property was subsequently acquired by John Gladden, E. Studd, and C.E. Oliver, who obtained Crown-grants for the Maple Leaf, Daisy, Martin, Pine Knot, and Minnehaha claims (Lots 43 S-47 S respectively) in 1906; the owners had apparently incorporated The Pollock Mines Co., Limited in June 1905. Underground work to and during 1908 totalled some 500 feet of short crosscuts and drifts on the Pine Knot vein. Pollock Mines, Limited was incorporated in June 1910 and limited exploration work was reported during the year.

In 1927 the property was acquired under lease and bond by H. Guernsey and Victor Locke, of Penticton. The old workings were rehabilitated and trenching and sampling carried out.

Gold Mountain Mines, Limited was incorporated in June 1933 to acquire the property under option from Guernsey and Locke, with the exception of the Minnehaha claim which was acquired under lease from the Crown. Underground development began on the Pine Knot and Maple Leaf veins. The Consolidated Mining and Smelting Company of Canada Limited held an option on the property for a period in 1935 and carried out 750 feet of diamond drilling in 5 holes in the lower adit. The Maple Leaf vein workings to 1936 included about 560 ft. of crosscuts and drifts and a 110 ft. winze in the No. 1 adit, and a No. 2 adit, 250 ft. below No. 1, which was driven as a crosscut for 970 ft. with a raise to connect with the winze from No. 1 adit. Two short sublevels were driven into the vein from the raise. A 50 ton-per-day mill and tramline to the Maple Leaf vein workings were installed in 1936 and operated from January to May 1937 when the mine closed. The mill was sold in 1939 and the company charter surrendered that same year.

Banbury Gold Mines Ltd. in November 1978 acquired from Daphne Guernsey, of West Vancouver, six Crown-grants, the Daisy, Maple Leaf, Pine Knot, Martin, Daisy No. 2 (Lot 3356) and Maple Leaf No. 2 (Lot 3351), and 4 located claims, Pine Knot 11-14. The company staked the Pine Knot 601 and 602

see Card 2

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

In 1937, 6,500 tons of ore were milled at this property. From this ore 946 ounces of gold, 430 ounces of silver, 1,865 pounds of copper, and 1,965 pounds of lead were recovered.

REFERENCES/BIBLIOGRAPHIE

Reports of Minister of Mines, British Columbia:
 1900, p. 898; 1901, p. 1166; 1906, p. 255;
 1908, pp. 118, 136; 1909, p. 136; 1910,
 p. 125; 1927, p. 240; 1928, p. 258; 1931,
 p. 134; 1932, p. 138; 1933, p. 172; 1934, p. D 19;
 1935, p. D 12; 1936, pp. D5-D9+; 1937, p. D 31.

Camsell, Charles; Geology and Ore Deposits of Hedley Mining District; Memoir 2, pp. 207-209, Geol. Surv. of Canada, 1914.

++Rice, H.M.A.; Geology and Mineral Deposits of the Princeton Map-Area, British Columbia; Memoir 243, p. 76, Geol. Surv. of Canada, 1947.

Stevenson, W.G.; Addendum (28/09/79) to Geological Report dated 09/04/79 for Branbury Gold Mines Ltd. - in Statement of Material Facts 22/11/79.
 Policy

Mineral / Sector; Corporation Files: "Gold Mountain Mines, Limited"; "Banbury Gold Mines Ltd."

George Cross News Letters: 1983, Nos. 96, 137, 203; 1984, No. 157; 1985, Nos. 165, 208; 1986, No. 113, 123, 183, 218; 1987, No. 106.

Exploration in British Columbia, BCDM: 1979, p. 145; 1980, p. 197; 1986, pp. A28, A65; 1987, pp. A25, A66.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 888 A, Princeton, (Geol.), Sc. 1":4 miles - accomp. Memoir 243, Geol. Surv. of Canada.

#Map 3 A, Mineral claims on Henry Creek, Sc. 1":800 ft. - accomp. Memoir 2.

Property Map, Banbury Gold Mines, Sc. 1cm:100 m, Appendix A, Report by Stevenson, 1979.

*Map 92 H/8, Hedley, (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par	DMacR	JL	DMacR	DMacR			
Date Date	12-80	09-82	03-86	06-88			

PRODUCT GOLD
PRODUIT

PROVINCE OR PROVINCE OU British Columbia
TERRITORY TERRITOIRE

N.T.S. AREA 92 H/8
RÉGION DU S.N.R.C.

REF. AU 7
RÉF.

NAME OF PROPERTY GOLD MOUNTAIN MINES (POLLOCK) (MAPLE LEAF)
NOM DE LA PROPRIÉTÉ

~~DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT~~ (continued)

east end, in diorite, the vein pinches. Mineralization of the quartz is not heavy.

The most common minerals associated with the quartz are arsenopyrite, pyrite, sphalerite, and, more rarely, chalcopyrite and galena. As at the Nickel Plate mine, gold is associated with the arsenopyrite, and has been seen with the naked eye in exceptional specimens.

Drilling in 1986-87 encountered mineralization in quartz vein material, in a skarn and sediment structure, and as visible gold in carbonaceous stringers in altered quartz diorite.

HISTORY OF EXPLORATION AND DEVELOPMENT (continued)
HISTORIQUE DE L'EXPLORATION ET DE LA MISE EN VALEUR

claims. Work during 1979-80 included trenching, sampling, and diamond drilling in 9 holes on the Maple Leaf vein and 16 holes on the Pine Knot vein. Based on this work indicated reserves were reported at 88,418 tons grading 0.46 ozs/t gold plus a further 18,600 tons at 0.15 oz/t gold (Northern Miner, 11/12/80). Further drilling outlined 166,200 at 0.32 ozs/ton Au in the Pine Knot vein and 19,500 tons at 0.15 ozs Au/ton in the Maple Leaf. (N.M. Jan. 21, 1982). Most of the reserves in the Pine Knot occur within 300 vertical feet of the surface. From the Maple Leaf vein stoping were stockpiled about 1,300 tons averaging 0.102 ozs Au/ton. During 1981-82, other work included drilling and tunnel rehabilitation.

The underground workings were rehabilitated and diamond drilling carried out in 1981-82. Reserves were then estimated at 185,700 tons averaging 0.3 oz/t Au, comprised of 166,200 tons at 0.32 oz/t in the Pine Knot vein and 19,500 tons at 0.15 oz/t in the Maple Leaf vein (Northern Miner, 21/01/82). Underground development work in 1983-84 was done on the Pine Knot vein in 2 new crosscut adits, the No. 3 at 2,290' elevation and No. 4 at 2,470' elevation; 3,080' of crosscuts and drifts and 40 drill holes were completed. A pilot heap leaching operation of 400 ton-per-month capacity was installed; the first gold bar from this operation was produced in October 1984. A bulk sample of the higher grade material was shipped to the Dankoe mill at Keremeos. Reserves were reported at about 241,800 tons grading 0.276 oz/t Au (George Cross News Letter, 15/08/84).

In 1985 the company was negotiating to option a 51% interest in the property to Noranda Exploration Company Limited. Work in 1985 included magnetometer and induced potential surveys, and geochemical soil surveys; several anomalies were indicated. Diamond drilling in 1986 was done in 11 holes, the deepest being 2036 feet. Work in 1987 included a geochemical survey and 1676 m of diamond drilling in 8 holes. Reserves were reported in three zones:

Mine zone, proven, probable, possible 176,369 tons at 0.32 oz/t Au.

86 zone, 1,700,000 tons at 0.06 oz/t Au

87 zone, 2,300,000 tons at 0.04 oz/t Au (Northern Miner 04/04/88, p. 21).