

PRODUCT GOLD
PRODUIT

PROVINCE OR PROVINCE OU
TERRITORY TERRITOIRE

British Columbia

N.T.S. AREA 92 K/11
RÉGION DU S.N.R.C.

REF. AU 1
RÉF.

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

DORATHA MORTON

OBJECT LOCATED - Workings on Lot 253.
OBJET LOCALISÉ

UNCERTAINTY 300 m
FACTEUR D'INCERTITUDE

Lat. 50°30'40"
Lat.

Long. 125°24'30"
Long.

Mining Division Nanaimo
Division minière

District
District

Range 1 Coast

County
Comté

Township or Parish
Canton ou paroisse

Lot
Lot

Concession or Range
Concession ou rang

Sec
Sect.

Tp.
Ct.

R.
R.

OWNER OR OPERATOR/PROPRIÉTAIRE OU EXPLOITANT

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

A north-northwest striking shear zone 100' wide occurs in argillaceous schists at the contact with granitic rocks of the Coast Range batholith. Pyrite occurs throughout the shear zone but the gold-silver values are found in banded quartz-pyrite lenses from 1' to 5' wide, close to the hanging wall.

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

The property is located at 2,000' elevation in Phillips Arm, west of Bute Inlet, some 130 miles northwest of Vancouver.

The Doratha Morton claim (Lot 253) was Crown-granted to P.J. Chick and C. Moody in 1897. Fairfield Exploration Syndicate, Limited acquired the property and installed a cyanide plant, the first such installation in Canada, which operated for about a year, closing in October 1899. Three adits were driven; Nos. 1 and 3 totalled about 1,380' of drifts and crosscuts. Most of the ore was stoped above No. 1 adit, the orebody extending only a few feet below the adit level. The operation yielded \$90,000 in gold and silver bullion. Additional claims, including the Eva (Lot 254), Banker (Lot 291), Comox Fraction (Lot 297), Percy (Lot 299), Dorothy Morton Fr. (Lot 300), Chimmang (Lot 319) and Maggie May (Lot 322) were Crown-granted to the company in 1899.

Glasair Mining Corporation, Limited acquired the property in 1924. The R. Crowe-Swords interests incorporated Glasord Mining Corporation, Limited in 1925 to option the property. Work during the year included driving a 50' adit some 400' east of the old workings. Glasair sold its interest in the property to Morton Wolseley Consolidated Mining, Limited; the property was retained until the end of 1932. The workings at that time included 5 adits totalling 2,100'.

Hercules Consolidated Mining, Smelting and Power Corporation, Limited held the property in 1933-34 and opened 3 new adits totalling 250'. Santiago Mines, Limited carried out work under a lease agreement in 1935. Pembroke Mining Corporation, of Seattle, held the property in the late 1930's.

Black Pearl Petroleum Ltd optioned a 60% interest in the property from Stephen Green, of Burnaby, in March 1983. The Company name was changed August/83 to Signet Resources Inc. Work in 1984 included trenching and 2,000' of diamond drilling. This work indicated a probable 8,500 tons at greater than 0.4 oz/t Au in the No. 1 adit east drift (George Cross News Letter 12/09/84). Work in 1985-86 included trenching and 1 088 m of diamond drilling in 15 holes.

con't card 2

120589

Associated minerals or products - Silver,
Minéraux ou produits associés

© Mineral Policy Sector, Department of Energy, Mines and Resources, Ottawa
© Secteur de la politique minière, ministère de l'Énergie, des Mines et des Ressources, Ottawa

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

Between 1898 and 1925, 10,255 tons of ore were milled at this property. From this ore 4,596 ounces of gold, 10,633 ounces of silver and 2,402 pounds of copper were recovered.

REFERENCES/BIBLIOGRAPHIE

Lode-Gold Deposits of British Columbia, compiled by J.D. Galloway; Bulletin No. 1, 1932, p. 139; British Columbia Dept. of Mines.

Reports of Minister of Mines, British Columbia: 1897, pp. 564, 575; 1898, p. 1138; 1899, pp. 608, 798, 806, 816, 851; 1912, p. 327; 1917, p. 256; 1922, p. 242; 1923, p. 254; 1925, p. 361; 1926, p. 310; 1927, p. 354; 1928, p. 381; 1932, p. 207; 1934, p. F 8; 1936, p. F 22.

Mineral Policy Sector; Corporation Files: "Glasair Mining Corporation, Limited"; "Glasord Mining Corporation, Limited"; "Morton-Woolsey Consolidated Mines, Limited"; "Hercules Consolidated Mining, Smelting and Power Corporation, Limited"; "Santiago Mines, Limited".

Bancroft, J.A.; Geology of the Coast and Islands between the Strait of Georgia and Queen Charlotte Sound; Memoir 23, p. 136, Geol. Surv. of Canada, 1913.

Stevenson, J.S.; Lode-Gold Deposits, South-western British Columbia; Bulletin 20, Pt. IV, p. 13, B.C. Dept. of Mines, 1944.

George Cross News Letters: 27/07/84; 12/09/84; 1985, No. 200; 1986, Nos. 5, 34; 1987 No. 2, 135, 176, 225.

International Prospectors & Developers, May/June 1985, p. 7.

Dutrizac, J.E. and O'Reilly, J.B.; Further Observations on Canada's first cyanide leaching plant; CIM Bulletin, August 1985, p. 70.

Exploration in British Columbia; BCDM: 1985, p. 228; 1986, p. A32.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Bute Inlet, (Geol.), Sc. 1:250,000, Geol. Surv. of Canada Open File 480, (1977).

#Plan of claims held by Glasord Mining, Sc. 1":3,000', Report of Minister of Mines, B.C., 1925, p. 276.

*Map 92 K/11, Phillips River, (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par	DMacR	DMacR	DMacR				
Date Date	04-85	05-86	06-88				

PRODUCT PRODUIT	GOLD	PROVINCE OR TERRITORY	PROVINCE OU TERRITOIRE	British Columbia	N.T.S. AREA 92 K/11 RÉGION DU S.N.R.C.	REF Au 1 RÉF.
--------------------	------	--------------------------	---------------------------	------------------	---	------------------

NAME OF PROPERTY NOM DE LA PROPRIÉTÉ	DORATHA MORTON
---	----------------

HISTORY OF EXPLORATION AND DEVELOPMENT (con't)
HISTORIQUE DE L'EXPLORATION ET DE LA MISE EN VALEUR

Summary: Work included a VLF electromagnetic survey in 1983, 596 m of diamond drilling in 5 BQ holes on surface in 1984, 387 m of underground diamond drilling in 5 AQ holes in 1985 with no significant results, and 701 m of diamond drilling in 10 surface holes in 1986. A geochemical soil survey in the Camp Area gave values in 6 of 87 samples. Reserves are reported as 10,000 tons at 0.42 oz/t Au (George Cross News Letter, 1987, No. 2).

The company name was changed in March 1987 to New Signet Resources Inc. In 1987 trenching and sampling was carried out along strike on a number of gold-bearing parallel quartz veins within the shear zone.