

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

DOME MOUNTAIN

OBJECT LOCATED - Forks Vein.
OBJET LOCALISÉ

UNCERTAINTY 300 m
FACTEUR D'INCERTITUDE

Lat. 54°44'25"
Lat.

Long. 126°37'
Long.

Mining Division **Omineca**
Division minière

District
District

Range 5 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

The property is underlain by Jurassic volcanic and sedimentary rocks of the Hazelton Group, locally intruded by small diorite plugs or dykes of probable Jurassic age (Topley Intrusions). Early work explored a number of quartz veins from a few centimetres up to 3 metres in width, irregularly mineralized with sulphides carrying gold-silver values. These included the Forks, Cabin, Jane, Hoopes, Hawk, Raven, Gem, Eagle and Ptarmigan veins. Work in the mid 1980's identified strata-bound sulphides in a tuff horizon at the Forks showing and in a new discovery, the Boulder Creek zone.

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

Dome Mountain is located 20 miles east-southeast of Smithers. The Crown-granted claims of this property lie in two groups, the Pioneer-Ptarmigan group (Lots 2891-2897) on the upper north slope of the Mountain, and the Snowdrop, Bullion, and Homestead groups (Lots 2900-2922) lying on the southeasterly slope of the Mountain; the Free Gold property (93 L/15, AU 1) is located about 1 500 metres to the northeast.

A number of claims were staked prior to 1915 and yearly assessment work carried out. Three groups, the Bullion, Pioneer, and Homestead, comprising 14 claims, were owned by G. Hazelton, J. Probenite, J. Bourgone, and T.J. Thorpe. Work to 1918 was done in open cuts and 3 short adits. The adjoining Edith claim, owned by Chisholm and Young, was developed by a 30 foot shaft (Chisholm shaft).

In subsequent years many of the above claims were allowed to lapse and were restaked under new names. During the winter of 1921-22 options were acquired on all the important claims by T.E. Jefferson for a New York syndicate. Work during 1922 included stripping, trenching, and sampling of the many showings. Early in 1923 the combined property was purchased by another New York syndicate, this one financed by Guggenheim capital, and management of the property was placed under the Federal Mining and Smelting Company, which was owned by the Guggenheim interests. Dome Mountain Gold Mining Company, Limited was incorporated in March 1923 to develop the property. Work was carried on until June 1924 when all equipment was removed and the mine closed. On the Forks showing a shaft was sunk to 107 feet, a crosscut was driven to the vein on the 100 foot level, and several hundred feet of drifting carried out. On the Cabin showing a crosscut was driven 352 feet to the vein. A drift adit was driven for 246 feet on the Snowdrop claim. On the Ptarmigan claim an adit was driven 400 feet.

Thirty-four claims (Lots 2888-2897 and 2899-2922) were Crown-granted to the company in 1925. No further work was reported and the company charter was surrendered in 1948.

The claims were transferred to Karl J. Springer in December 1950. In 1973 D.W. Coates optioned the Crown-
see Card 2

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HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

A shipment of 14 tons of sorted ore from the "Chisholm shaft", reported in 1918, gave a return of \$50 per ton, mainly in gold (M.M.A.R. 1918, p. 124).

REFERENCES/BIBLIOGRAPHIE

Reports of Minister of Mines, British Columbia: 1915, p. 77; 1916, pp. 130-133; 1918, pp. 122-124; 1922, p. 100-104; 1923, pp. 111-113 ; 1924, p. 96; 1925, p. 448.

Kerr, F.A.; Preliminary Report, Mineral Resources Along the Canadian National Railway, Between Prince Rupert and Prince George, British Columbia; Paper 36-20, p. 110, Geol. Surv. of Canada.

Mineral Policy Sector; Corporation Files: "Federal Mining and Smelting Company"; "Dome Mountain Gold Mining, Limited"; "Panther Mines Ltd."; "Reako Explorations Ltd."; "Canadian United Minerals Inc"; "Teeshin Resources Ltd"; "Total Erickson Resources Ltd."

Price, Barry; Geological Report, Dome Mountain claims, 25/02/80, in Panther Mines Ltd., Statement of Material Facts, 03/10/80.

Geological Fieldwork; British Columbia Dept. of Mines: 1984, p. 193+; 1986, pp. 207-213.

Exploration in British Columbia; BCDM: 1979, p. 230; 1980, p. 345; 1984, p. 329; 1985, pp. A25, A53, C315; 1986, pp. A13, A21, C356; 1987, pp. A14, A40.

Exploration Review, BCDM: 1985, pp. 19, 22.

George Cross News Letters: 1982, No. 185; 1985, Nos. 126, 135, 146, 178, 179, 225, 239, 240; 1986, Nos. 9, 14, 15, 19, 27, 31, 130, 154, 176, 192, 204, 207, 231; 1987, No. 8, 48, 73, 76, 94, 124, 163, 169, 174, 204; 1988, No. 65, 115.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

#Preliminary geology of the Dome Mountain gold camp, Sc. 1 cm: 350 m, Fig. 65, Geological Fieldwork, 1984, p. 194.

General geology, West Central B.C., Sc. 1":5 miles, Fig. 8, Bulletin 64, BCDM, 1981.

Sketch Map of Dome Mountain claims, Sc. 1":1,750ft, Report of Minister of Mines, British Columbia, 1922, p. 101.

Map 93 L/10, Quick, (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par	DMacR	DMacR					
Date	07-86	07-88					

PRODUCT PRODUIT	GOLD	PROVINCE OR TERRITORY	PROVINCE OU TERRITOIRE	British Columbia	N.T.S. AREA 93 L/10, 15 RÉGION DU S.N.R.C.	REF. AU 1 RÉF.
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NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

DOME MOUNTAIN

HISTORY OF EXPLORATION AND DEVELOPMENT (con't from right)

Total Erickson Resources Ltd. in October 1986 acquired an option on Noranda's 50% back-in option and an option to earn a 64% interest in Canadian-United Minerals Inc. In 1987, some 1683 feet of drifting and 752 feet of raising was done in an adit at 4495 feet elevation on the Boulder Creek zone; diamond drilling was reported in the adit and on other zones on the property. Mineable reserves in the Boulder Creek zone were reported as 319,280 tons with an average diluted grade of 0.37 oz/t Au, 2.0 oz/t Ag (Total Erickson Resources Ltd., 1987 Annual Report).

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

grants from Springer. During the year limited geophysical and geochemical surveys (156 soil samples) were carried out. In 1979 the No. 6 (Lot 2905) and No. 2 (Lot 2909) claims were owned by W.F. McGowan and A. L'Orsa; geological mapping was reported.

Panther Mines Ltd and Reako Explorations Ltd by a January 1980 agreement optioned a 50% interest each in 12 claims from Lorne B. Warren, of Smithers. Included were 6 reverted Crown-grants, the Hawk (Lot 2888), Snowdrop (2904), No. 1 (2908), No. 4 (2914), Wallace (2911), and Wallace Fr (2920), and the Dome 1-6 located claims (Record No. 1623-1628); trenching was reported on the Hawk claim (Lot 2888).

Noranda Exploration Company, Limited in 1984 consolidated all the original properties on Dome Mountain, except the Free Gold property, by way of a May 1984 option agreement with Panther and Reako for an 80% interest in 44 claims, in two groups, formerly held by Silver Standard Mines and McIntyre Mines, and a July 1984 agreement with L'Orsa et al on 16 claims. Work by Noranda in 1984 included a geochemical soil survey. Noranda in December 1984 gave an option on its interest in the property to Canadian-United Minerals Inc. Work in 1985, with Noranda as operator, included trenching, and 1 564 m of diamond drilling in 33 holes on the Forks showing; this work indicated 100,000 tons at 0.56 oz/t Au (George Cross News Letter, 1985, No. 240). The option agreement was re-negotiated in November 1985 to allow Canadian-United to earn a 50% interest in Noranda's option and to become operator.

In December 1985 Canadian-United optioned a 75% interest in its agreement with Noranda to Teeshin Resources Ltd; property ownership at that point was Reako & Panther 10% each, Noranda 40%, Canadian-United 10% and Teeshin 30%. Drilling of a geochemical soil anomaly in 1986 led to the discovery of the Boulder Creek zone (Lat. 54°44'50"; Long. 126°27'15") some 350 m north of the Forks showing. Drilling to June 1986 indicated 500,000 tons at 0.473 oz/t Au in the Boulder Creek zone (Teeshin Resources, Corporate Up-date, 15/07/86).

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