

PRODUCT GOLD
PRODUIT

PROVINCE OR TERRITORY PROVINCE OU TERRITOIRE British Columbia

N.T.S. AREA 104 P/4
RÉGION DU S.N.R.C.

REF. AU 1
RÉF.

NAME OF PROPERTY VOLLAUG (HURRICANE, RED HILL)
NOM DE LA PROPRIÉTÉ (TABLE MOUNTAIN)

OBJECT LOCATED - Main showing, Hurricane group.
OBJET LOCALISÉ

UNCERTAINTY 500 m Lat. 59°12'40" Long. 129°39'
FACTEUR D'INCERTITUDE Lat. Long.

Mining Division Liard
Division minière

District
District

Cassiar

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

Map 1110 A indicates the area is underlain by Upper Devonian and Lower Mississippian sedimentary rocks of the Sylvester Group.

The Vollaug vein has now been traced on the surface for over 900 metres and may well extend over a strike length of 2 200 metres. Gold in free form as well as that with tetrahedrite and/or chalcopyrite occurs in a quartz structure which occurs along the contact, dipping approximately 15 degrees to the north, between andesite (footwall) and argillite (hanging-wall). Local steepening of the dip to 40 degrees does occur. The width of the quartz structure varies from 0.5 metre to 3 metres. At least four north-northeasterly trending faults have dislocated the vein so that the west side has moved relatively north. The quartz contains pyrite and minor galena.

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

The property is located on the crest of what is locally known as Table Mountain, 2 miles south of McDame Lake and 8 miles southeast of Cassiar.

The showings were discovered and staked in the fall of 1935 by John Vollaug and Hans Erickson, of McDame Creek. Seven claims and fractions, the Martin, Bertha, Rowena, Viking, Blue Ribbon, Alice, and Mary were staked respectively from west to east along the strike of the vein. Adjoining claims to the north and east included the Blue Moose group and Candy claim owned by P. Hamlin, and to the south the Red Hill Fraction claim. In 1936 the claims were optioned to the Cassiar Syndicate, composed of Victoria, B.C. interests, who in October 1936 transferred the option to the Consolidated Mining and Smelting Company of Canada Limited. Work by the company during 1937 on this, and other optioned properties in the area, totalled some 25,000 feet of open cuts and 11,684 feet of diamond drilling; the options were abandoned later in the year when drill results indicated values lower than those obtained on surface. The owners resumed prospecting of the claims in 1938.

The original Vollaug claims lapsed and were re-staked in part by Mr. Vollaug as the Hurricane 1-4 claims. Some work was reported on these claims by R. Wilms in 1948. Table Mountain Mines Limited, a private company, was incorporated in February 1953 to acquire the Hurricane and Red Hill groups and adjacent claims. The Red Hill 1 and 2 claims (Lots 6531 and 6532) were Crown-granted to the company in November 1954. The Hurricane 1-4 claims (Lots 6527-6530) were Crown-granted to the John Vollaug Estate in December 1954.

Silver Standard Mines Limited in 1952 acquired an interest in Table Mountain Mines and this was increased to 51.5% in 1957. The property then comprised in addition to the 6 Crown-grants, 12 claims held by location; in 1958 Crown-grants were obtained on 6 of these claims, the Red Hill 3 and 4 (Lots 6533 and 6536), and the West Fraction, East Fraction, Adit 2, and Adit 1 claims (Lots 6537-6540, respectively). Assessment work was reported on the property in 1958-1959 and in 1962. Bull-dozer trenching totalling 3,200 feet was carried out in 1970; the property at that time included the Jennie Extension 1-4 claims.

see Card 2

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

Published production statistics are unavailable.

Reports of Minister of Mines, British Columbia:
1936, p. B-58; 1937, pp. B-24-34⁺; 1938,
p. B-24; 1948, p. 61; 1963, p. 6.

Geology, Exploration, and Mining; British Columbia Dept.
of Mines: 1970, p. 36; 1973, p. 517; 1974, p. 353.

Gabrielse, H.; McDame Map-Area, Cassiar District, British
Columbia; Memoir 319, p. 116, Geol. Surv. of Canada,
1963.

Mineral Policy Sector; Corporation Files: "Table Mountain
Mines Limited"; "Cominco Ltd."; "Silver Standard Mines
Limited"; "Erickson Gold Mines Ltd"; "Total Erickson
Resources Ltd."; "Total Energold Corporation".

Mines Branch, Ottawa; Investigations in Ore Dressing and
Metallurgy: Investigation Report IR 64-18.

Geological Fieldwork; British Columbia Dept. of Mines:
1979, p. 128 (Paper 1980-1)⁺⁺.

George Cross News Letter: 22/07/83; 27/09/83.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 1110 A, McDame, (Geol.), Sc. 1":4 miles - accomp.
Memoir 319.

Vollaug Group, (Geology & claim map), Sc. 1":1,000 ft. -
Report of Minister of Mines, British Columbia, 1937,
p. B-25.

Map 104 P/4, Needlepoint Mountain, (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par	DMacR	JL	DMacR	JL			
Date Date	08-81	09-82	12-83	10-90			

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

Asamera Oil Corporation Ltd. optioned the property in 1973 and drove a 248 foot decline on Hurricane 1 to test the downward persistence of one of the surface ore shoots to a depth of 80 feet. On Hurricane 1 and 2, a 500-foot crosscut adit and 1,726 feet of drift were driven to test the vein 300 feet vertically below the surface showing. Most drifting was to the west of the crosscut as the vein pinched out to the east, but no ore shoots were found. Work by Asamera in 1974 included geological mapping, surface diamond drilling totalling 374 feet in 2 holes on Hurricane 2, and 231 feet of underground diamond drilling in 1 hole on Hurricane 1; the option was given up.

Table Mountain Mines Limited (owned 19.5% by Silver Standard Mines Limited) resumed work on the property in 1979. A drift adit at the 5,280' elevation was driven 923'. From the adit the "107" raise was driven through the "A" zone to the old surface decline and 220' of subdrift driven. The "124" raise was driven from the decline to surface and 214' of subdrift driven to explore the "B" zone, with disappointing results. About 2,000' east of the face of the 5,280 adit surface diamond drilling was done in 13 holes totalling 3,170'. Drill indicated reserves in 4 zones were estimated at 100,000 tons at 0.39 oz/t Au. In the "A" zone proven and probable reserves were estimated at 28,000 tons at 0.5 oz/t Au and 0.34 oz/t Ag (Northern Miner, April 24, 1980).

Plaza Mining Corporation, owner of ground adjacent to the east, purchased 100,000 shares of Table Mountain Mines in 1980. In 1981, there were diamond drilled 8 holes totalling 2,184 feet. The drilling tested the A, G and H zones. During 1983 Erickson Gold Mines Ltd, operator of the adjacent Jenny mine, purchased a 94.7% interest in Table Mountain Mines, including the 44.1% interest held by United Hearne Resources Ltd and the 20% held by Silver Standard Mines. Late in 1983 a crosscut adit was begun to intersect the Vol্লাug vein at a depth of about 500'. In 1983, the assets of bankrupt Plaza Mining were acquired by Erickson and in 1986, their name was changed to Total Erickson Resources Ltd. Mining operations were suspended in 1988 and Total Erickson amalgamated with Getty Resources Limited to form Getty Resources Limited. The latter became Total Energold Corporation.