

PRODUCT GOLD
PRODUIT

PROVINCE OR TERRITORY PROVINCE OU TERRITOIRE

British Columbia

N.T.S. AREA 93 E/6
RÉGION DU S.N.R.C.

REF. AU 1
RÉF.

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

HARRISON (DEER HORN)

OBJECT LOCATED - Vein.
OBJET LOCALISÉ

UNCERTAINTY 300 m
FACTEUR D'INCERTITUDE

Lat. 53°21'45"
Lat.

Long. 127°17'20"
Long.

Mining Division Omineca
Division minière

District
District

Range 4 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 northwesterly trending contact between the main mass of the Coast Intrusions and Jurassic Hazelton volcanic passes through the area. The claims lie astride the south edge of a prominent embayment in the batholith contact. Granitic rocks underlie the southern part of the property. Near the contact the rock is a medium-grained quartz diorite. The Hazelton group in this vicinity comprise slates, greywackes, argillite and tuff. Close to the contact the slates have been converted to andalusite schists. The layered rocks strike east-west and dip 50 to 75 degrees southward, approximately parallel to the northern margin of the quartz diorite. The contact zone is marked by intense shearing and alteration. Silicification occurs in varying degree, mainly in the layered rocks, across widths as great as 400 feet.

Exploration has been concentrated on two showings: gold-silver-bearing quartz veins in the quartz diorite which are probably faulted segments or branches of a single vein structure that are referred to collectively as the Main Vein; and gold-silver-bearing quartz stringers and veins in the

see Card 2

Associated minerals or products - Silver.
Minéraux ou produits associés

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

The property is located at about 4,500 foot elevation on the south side of Lindquist Peak, at the west end of Whitesail Lake, some 95 miles south of Smithers. The claims lie within the northwest corner of Tweedsmuir Provincial Park.

In 1943 scheelite was discovered in a talus slide (see 93 E/6, W.1) by the Harrison brothers, of Wistaria, and in 1944 Franc Joubin discovered gold-bearing quartz veins about 1,000 feet to the east. The Harrison 1-10 claims were staked in the fall of 1943 and optioned to Pioneer Gold Mines of B.C., Limited. Additional staking was done in 1944 to a total of 30 claims, including the Harrison 1-18, 21-30, Telluride 1-8, Wedge Fr. and AE Fr. (Lots 2998-3026 inclusive). Premier Gold Mining Company, Limited by a December 1944 agreement acquired a 20% interest in the Pioneer option agreement. Work on the Main and Contact Zone veins included extensive trenching and approximately 13,000 feet of diamond drilling. The option was dropped in the fall of 1946. Drilling on the Main vein indicated 538 tons/slope ft. The depth extension terminates at the Contact Zone vein, limiting slope depth to between 130 and 250 feet. Drilling on the Contact Zone vein indicated 505 tons/slope ft. The maximum slope depth tested was 175 feet. (P.E. Young 12/03/54 in Prospectus 21/04/54 Deer Horn Mines Limited).

The claims were sold by the Harrison's and Joubin in July 1950 to J.H. Hirshhorn and subsequently transferred to Deer Horn Mines Limited which was incorporated in December 1950 by Joubin and associates of Toronto. Work by the company during 1952-55 included 2,997 feet of surface diamond drilling, and 1,822 feet of drifting, 113 feet of raising, and 3,705 feet of diamond drilling in an adit driven at the 4,260' elevation on the Contact Zone. Work ceased in November 1955. W.F. Brown, consultant, estimated the Main Vein contains an indicated 165,000 tons at 0.27 oz/t Au and 7.32 ozs/t Ag, and the Contact Zone vein 88,000 tons at 0.407 oz/t Au and 12.25 ozs/t Ag (NM 18/08/66).

Mentor Exploration and Development Co., Limited leased the property from Deer Horn Mines in July 1966. During 1967 bulldozer trenching, and sampling on surface and underground was carried out. The lease was terminated in March 1968.

see Card 2

Reports of Minister of Mines, British Columbia:
 1944, pp. 175-177; 1945, p. 71; 1946, p. 89;
 1952, p. 98; 1953, p. 94; 1954, p. 95; 1955,
 pp. 25-27⁺; 1958, p. 73; 1967, p. 114.

⁺⁺Duffell, S.; Whitesail Lake Map-Area, British Columbia;
 Memoir 299, pp. 93-95, Geol. Surv. of Canada, 1959.

Warren, H.V.; A new type of Gold Deposit in British
 Columbia; from the Transactions of the Royal Society
 of Canada, Third Series, Section IV, Volume 41, 1947.

Young, Paul E.; Report on Property of Deer Horn Mines
 Limited, 12/03/54 - in Deer Horn Mines Limited Prospectus,
 21/04/54.

Buckles, H.R.; The Deer Horn Property; Western Miner and
 Oil Review, November 1954, pp. 82-85.

Mineral Policy Sector; Corporation Files: "Pioneer Gold
 Mines of B.C., Limited"; "Premier Gold Mining Company,
 Limited"; "Deer Horn Mines Limited"; "Mentor
 Exploration and Development Co., Limited".

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 1064 A, Whitesail Lake, (Geol.), Sc. 1":4 miles - accomp.
 Memoir 299.

#Surface plan showing geology, Sc. 1":500', Fig. 6 - accomp.
 Memoir 299.

Deer Horn Mines - principal showings, Sc. 1":1,000', Report of
 Minister of Mines, B.C., 1955, p. 27.

* Map 93 E/6, Chikamin Mountain, (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

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| Comp./Rev. By Comp./rév. par | DMacR | | | | | | |
| Date Date | 4-80 | | | | | | |