

PRODUCT
PRODUIT TUNGSTEN

PROVINCE OR
TERRITORY PROVINCE OU
TERRITOIRE

British Columbia

N.T.S. AREA
RÉGION DU S.N.R.C. 93 M/4

REF.
RÉF. W 3

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ BLACK PRINCE

OBJECT LOCATED
OBJET LOCALISÉ

UNCERTAINTY
FACTEUR D'INCERTITUDE

Lat. 55°10'15" Long. 127°33'30"

Mining Division
Division minière Omineca

District
District Cassiar

County
Comté Township or Parish
Canton ou paroisse

Lot
Lot Concession or Range
Concession ou rang

Sec
Sect. Tp. R.
Ct. R.

OWNER OR OPERATOR/PROPRIÉTAIRE OU EXPLOITANT

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

The showings are in porphyritic granodiorite of the Rocher Deboule stock about 2,500 feet west of the contact with sedimentary rocks of the Hazelton group. In the vicinity of the property the granodiorite is intensely jointed, with the joints parallel to the contact and the cross-joints normal to them being the most prominent. The showing consists of one main shear zone and a few smaller subparallel ones. The main shear strikes N30°W, dips 65°SW, and can be traced with some gaps for about 1,000 feet horizontally and about 700 feet vertically. Over much of its length it consists of two strands separated by 4 to 8 feet of variably sheared wallrock and with variable amount of quartz vein-filling and replacement mineralization. Minor shears splay off the main one. At 4,700 foot elevation one of the tributary shears consists of a sheeted zone containing pods of quartz with some pyrite and scheelite. At the 4,890 foot elevation the main shear consists of a sheeted zone 12 feet wide with veins in hangingwall and footwall and some mineralized wallrocks. Drusy vein matter consists of quartz crystals with some 1-inch-long tabular ferberite

p.t.o.

Associated minerals or products
Minéraux ou produits associés

Copper, molybdenum, tin, uranium.

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

This property is located at the 4,500 foot elevation at the head of Mudflat Creek, 5½ miles south-southeast of New Hazelton. The names and numbers of claims have varied and the property originally included the adjoining Blue Lake showings.

The Black Prince and Wonder claims were located in 1911 and 1912. During 1913 the claims were under bond to a syndicate of Spokane and Wallace, Idaho, interests. In 1916 the Black Prince group of 7 claims was owned by Messrs. Thompson, Halloran, and Hadden. During the 1940's and 1950's the property was owned by Mrs. B. Sargent, of New Hazelton, and was variously recorded as the Cariboo and Black Bear claims and the Erik-sen group.

Much of the exploratory work was done during the early period, the remaining work having been done in 1943 and 1951-53. The workings consist of open cuts and two adits. At the 4,300 foot elevation the east vein was drifted on for 112 feet. An adit at the 4,900 foot elevation was driven by Frank Meryth for Privateer Mines, Limited, in 1943.

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

crystals, pyrite, tourmaline, and molybdenite. An adit at the 4,925 foot elevation exposes the same mineralization plus chalcopyrite across 2 feet of sheared and mineralized wall-rocks.

A parallel vein 800 feet to the east is not more than 6 inches wide but in three places along a 112 foot drift adit there are gash veins branching into the hangingwall that contain 4 to 6 inches of solid chalcopyrite. Kindle (1954) reports that the vein contains in addition to quartz, chalcopyrite, pyrite, and scheelite, some cassiterite and uraninite; a sample across 3 inches of the vein 18 feet from the portal assayed: tungsten trioxide, 2.37%; tin, 0.8%; gold, 0.03 ounce a ton; U_3O_8 equivalent, 0.039%.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Geological Map of the Rocher Deboule Range, Sc. 1":1 mile, Fig. 2, Bulletin 43, B.C. Dept. of Mines.

Map 971 A, Smithers-Fort St. James, B.C., (Geol.), Sc. 1":8 miles.

Map 93 M/4 E, Skeena Crossing, B.C., (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

REFERENCES/BIBLIOGRAPHIE

Brown, A. Sutherland; Geology of the Rocher Deboule Range; Bulletin No. 43, p. 48, British Columbia Dept. of Mines & Petroleum Resources, 1960.

Kindle, E.D.; Mineral Resources, Hazelton and Smithers Areas, Cassiar and Coast Districts, British Columbia; Memoir 223, Revised Edition, p. 30, Geol. Surv. of Canada, 1954.

Stevenson, John S.; Tungsten Deposits of British Columbia; Bulletin No. 10 (Revised), pp. 67-71, British Columbia Dept. of Mines, 1943.

Hurst, M.E.; Tungsten Deposits Near Hazelton, British Columbia; Summary Report 1924, Pt. A, p. 45, Geol. Surv. of Canada.

Reports of Minister of Mines, British Columbia; 1913, p. 107; 1914, p. 205; 1916, pp. 117, 118; 1918, p. 113.

O'Neill, J.J.; Preliminary Report on the Economic Geology of Hazelton District, British Columbia; Memoir 110, p. 25, Geol. Surv. of Canada, 1919.

Mineral Policy Sector; Corporation Files: "New Privateer Mine Limited".

BCI 93 M - 57

Comp./Rev. By Comp./rév. par							
Date Date	07/68						