

PRODUCT SILVER
PRODUIT

PROVINCE OR PROVINCE OU British Columbia
TERRITORY TERRITOIRE

N.T.S. AREA 93 M/5, 6
RÉGION DU S.N.R.C.

REF. AG 3
RÉF.

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

BARBER BILL, BILL

OBJECT LOCATED
OBJET LOCALISÉ

UNCERTAINTY
FACTEUR D'INCERTITUDE

Lat. 55°21' Long. 127°30'

Lat.

Long.

Mining Division Omineca

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

Fine grained greywacke is intruded by the northwest end of the granodiorite stock that intrudes the sediments on the north side of the mountain. A vein strikes north, dips 18° to 30° east, and ranges in width from 4 inches to 4 feet. It lies along a fault that follows closely the bedding of the tuffs. The vein is essentially a replacement of the tuffs along both sides of the fissure by very finely crystalline jamesonite, sphalerite, galena, and arsenopyrite, and a little quartz and pyrite. A 24 inch channel sample across the vein assayed: Gold, 0.045 oz a ton; silver, 14.8 oz a ton; lead, 5.6%; zinc, 12.5%; antimony, 2.2%; arsenic, 8.1%.

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

This claim group is located on the north side of Nine Mile Mountain, 9 miles northeast of Hazelton. The showings are on the east side of Silver Cup Basin about ½ mile east of the Silver Cup property. The claims were located in 1909 or 1910 and have been prospected on numerous occasions since. Some ore was shipped from open cuts in 1915. W.S. Harris & associates owned the property in 1928. Development work to this time included open cuts, a 45 foot long adit and a shallow winze.

Crown Silver Lead Mines, Limited held an option on the Barber Bill group of 18 claims in 1951.

Frontier Exploration Limited acquired the Bill and PB groups, totalling 16 recorded claims, and mineral leases M54 and M57. The claims surround the old Silver Cup Crown grant and cover the Barber Bill showings. During 1966 the company extended the known length of the vein from 230 to 370 feet by 500 feet of trenching. Work by Frontier in 1968 and 1970 included a geochemical survey, trenching, and 300 feet of diamond drilling in one hole.

Associated minerals or products - Lead, zinc, antimony.
Minéraux ou produits associés

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

In 1915, 16 tons of ore were reportedly shipped from this property, the returns for which are not available.

REFERENCES/BIBLIOGRAPHIE

Kindle, E.D.; Mineral Resources, Hazelton and Smithers Areas, Cassiar and Coast Districts, British Columbia; Memoir 223, p. 8, Geol. Surv. of Canada, 1940.

Annual Reports, Dept. of Mines, B.C.: 1928, p. 155; 1951, p. 109; 1966, p. 81; 1968, p. 112.

Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1970, p. 175.

Mineral Policy Sector; Corporation Files: "Frontier Exploration Limited".

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

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

Preliminary Map 44-24, Hazelton, B.C., (Geol.), Sc. 1":2 miles.

Map 93 M/5 E, Hazelton, B.C., (Topo.), Sc. 1:50,000.

Map 93 M/6 W, Suskwa River, B.C., (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par							
Date	11-66	02-75					