

PRODUCT LEAD
PRODUIT

PROVINCE OR TERRITORY PROVINCE OU TERRITOIRE British Columbia

N.T.S. AREA 93 M/5
RÉGION DU S.N.R.C.

REF. PB 1
RÉF.

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

COMET (CENTRE STAR)

OBJECT LOCATED
OBJET LOCALISÉ

UNCERTAINTY
FACTEUR D'INCERTITUDE

Lat. 55°16'10"
Lat.

Long. 127°32'40"
Long.

Mining Division Omineca
Division minière

District Cassiar
District

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

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

The Comet showings are located at the 1,200 foot elevation on the southeast side of Four Mile Mountain, about $4\frac{3}{4}$ miles east-northeast of Hazelton.

The Centre Star claim, owned by J.S. Martin & associates in 1916, apparently was located on these showings. The Comet claims, owned by T. Stevenson and J. Dyer from about 1920, were apparently a restaking of the showings. Intermittent exploration work was done in open cuts and shallow shafts. The Comet (Lot 3578) and Iron Mask (Lot 3577) claims were Crown-granted to J. Dyer in 1925. The Mohawk Mining Company, Limited, is reported to have held the Comet group under bond in 1928. Bulkley Mines, Limited, did some work on the property in 1929.

The workings include 3 adits; the main crosscut adit, at elevation 1,200 feet, totals some 340 feet of crosscuts and drifts; No. 2 adit, at elevation 1,275 feet, follows a quartz vein for 52 feet; the third adit is 10 feet long.

The Comet claim was held under lease by A.D. Boirnes in 1950; no work was reported at that time.

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

Massive, coarsely crystalline, grey granodiorite is exposed in the main workings. A 10-foot adit 35 feet northeast of No. 2 adit is on the contact of the granodiorite with a body of quartzite and greywacke that extends to the East. The underlying rocks are largely concealed by drift. The granodiorite is traversed by numerous intersecting fault planes and shear zones that strike chiefly from northwest to northeast and dip from 15 to 60 degrees. Quartz veins occur along some of the fault fissures and sheared zones and contain various amounts of jamesonite, sphalerite, galena, and pyrite. Jamesonite is the most abundant mineral present. Some of the veins contain much siderite gangue, and those veins in and close to the body of quartzite and greywacke consist almost entirely of siderite holding jamesonite and sphalerite. The main crosscut adit is driven for most of its length along fault fissures of small displacement containing quartz vein lenses from 1 to 3 inches in width. At 65 feet from the portal a drift follows a vein ranging from 6 to 9 inches in width. A 6-inch channel sample taken across the vein at the face of the drift assayed: gold, 0.015 ounce a ton; silver, 1.46 ounces a ton; lead, 5.36% antimony, 2.41%. At the granodiorite-quartzite contact the

Associated minerals or products - Antimony, silver, zinc. p.t.o.
Minéraux ou produits associés

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT (continued)

vein ranges from 4 to 10 inches in width where exposed for 20 feet in the granodiorite, but pinches to 1 inch in a few feet on entering the quartzite.

REFERENCES/BIBLIOGRAPHIE

Kindle, E.D.; Mineral Resources, Hazelton and Smithers Areas, Cassiar and Coast Districts, British Columbia; Memoir 223, Revised Edition, pp. 37-39, Geol. Surv. of Canada, 1954.

Reports of Minister of Mines, British Columbia:
1916, p. 119; 1920, p. 87; 1928, p. 158; 1929, p. 159; 1950, pp. 83, 98.

Mineral Policy Sector; Corporation Files: "Mohawk Mining Company, Limited".

Eardley-Wilmot, V.L.; Silver Producing Mines in British Columbia; p. 173, Mineral Policy Sector; Commodity File MR-AG-301.00, British Columbia.

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
Paper 44-24, Geol. Surv. of Canada.

Plan of part of Comet group, (Geol.), Sc. 1":800 feet, Fig. 3,
Memoir 223, Revised Edition, p. 38.

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

REMARKS/REMARQUES

Comp./Rev. By
Comp./rév. par

Date
Date

07-68