

PRODUCT MOLYBDENUM
PRODUIT

PROVINCE OR PROVINCE OU
TERRITORY TERRITOIRE British Columbia

N.T.S. AREA 103 P/13
RÉGION DU S.N.R.C.

REF. MO 1
RÉF.

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ MOLLY B.

OBJECT LOCATED
OBJET LOCALISÉ

UNCERTAINTY
FACTEUR D'INCERTITUDE

Lat. 55°56'10" Long. 129°58'15"
Lat. Long.

Mining Division Skeena
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

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

A band of lime silicate rock strikes S60°E and dips 65 to 75° southwest in sheared volcanic rocks near the contact with the Coast Range batholith. Width of the band is about 8 feet at the lowest exposure, at elevation 10 feet, and decreases to 2 feet at an elevation of 50 feet. At the uppermost cut, at elevation 105 feet, the band abruptly narrows from 4 feet to less than 1 inch. The band has been metamorphosed to a mixture of diopside, garnet, and epidote and mineralized with molybdenite, scheelite and pyrite. Scheelite is present throughout the exposures, with somewhat lower grade in the constricted parts of the bed than elsewhere. The molybdenite appears to be concentrated in the lower exposures. A 360 pound sample of hand sorted material from the lowest open cut assayed: molybdenum, 4.2%; tungstic oxide (WO₃) at 1.5%.

HISTORY OF EXPLORATION AND DEVELOPMENT

HISTORIQUE DE L'EXPLORATION ET DE LA MISE EN VALEUR

The Molly B. claim is located at the east edge of the Bear River directly across from the town of Stewart. Part of the property and the lower end of the mineralized showings are on Indian Reserve No. 19. The Oral M. property lies to the east and adjoining.

The molybdenum showings were first prospected in 1906 and annual assessment work was done thereafter for many years. The property was held by D.J. Rainey in 1915. Four claims, the Molly B., Somme Fraction, Molly Fraction and Gulch Fraction, were owned by W.J. Stewart & associates of Victoria, in 1917. In 1930, the Molly B. Crown-granted claim was owned by W. Davidson & associates, of Stewart.

Premier Gold Mining Company, Limited carried out exploration work on the Molly B. group in 1935 and 1936; the company staked the Oral M. claim group to cover the possible extension of the molybdenum showings. Subsequent work by the company was confined mainly to a newly discovered copper-gold showing on the Oral M. group. The company dropped the option on the Molly B. group in 1938.

Stewart Canal Gold Mines, Limited, John Haahti, President, apparently acquired the Molly B. group in 1938, at the same time the company acquired the Oral M. property. According to Stevenson (1943) the Molly B. group consisted of 10 claims, the Molly B., Gold Axe 1-4, Big Bell 1-4, and Big Bell Fraction. Little further work was reported on the Molly B. group other than sampling. The showings have been explored by numerous open cuts and a short adit near river level. The lowest adit driven by Stewart Canal Gold Mines is 45 feet long. This adit, including a 10 foot long crosscut near the face, is in skarn mineralized with scheelite and molybdenite. This adit is apparently on the Molly B. claim, or on the extension of the Molly B. showing into the Oral M. property.

Stevenson, John S.; Tungsten Deposits of British Columbia; Bulletin 10 (Revised), p. 54, British Columbia Department of Mines, 1943.

Reports of Minister of Mines, British Columbia: 1915, p. 73; 1917, p. 85; 1918, p. 76; 1930, p. 104; 1937, p. B 4; 1946, p. 79.

Eardley-Wilmot, V.L.; Molybdenum Metallurgy and Uses and the Occurrence Mining and Concentration of its Ores; Report No. 592, p. 43, Mines Branch, Ottawa, 1925.

Hanson, George; Portland Canal Area, British Columbia; Memoir 175, p. 132, G.S.C. 1935.

Grove, Edward W.; Geology and Mineral Deposits of the Stewart Area; Bulletin No. 58, p. 137, British Columbia Department of Mines, 1971.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 215 A, Stewart Sheet, B.C., (Geol.), Sc. 1":1 mile - accomp. Memoir 159.

Geological Map of the Stewart Area, Sc. 1": $\frac{1}{2}$ mile, Fig. 3, Sheet A - accomp. Bulletin No. 58.

Stewart Area, Crown-grant claim map, Fig. 15 A - accomp. Bulletin No. 58.

Map 193 A, Stewart Sheet, B.C., (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

See Oral M., Area 103 P/13, Ref. CU 3.

Comp./Rev. By Comp./rév. par							
Date Date	12-67	11-74					