

PRODUCT TUNGSTEN
PRODUIT

PROVINCE OR PROVINCE OU
TERRITORY TERRITOIRE

British Columbia

N.T.S. AREA 104 0/7
RÉGION DU S.N.R.C.

REF. W 1
RÉF.

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

ASH MOUNTAIN

OBJECT LOCATED
OBJET LOCALISÉ

UNCERTAINTY
FACTEUR D'INCERTITUDE

Lat. 59°17'30" Long. 130°31'
Lat. Long.

Mining Division **Atlin**
Division minière

District **Cassiar**
District

County
Comté

Township or Parish
Canton ou paroisse

Lot
Lot

Concession or Range
Concession ou rang

Sec. Tp. R.
Sect. Ct. R.

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

This occurrence is located in the pass about 1 mile north of Ash Mountain.

OWNER OR OPERATOR/PROPRIÉTAIRE OU EXPLOITANT

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

Lenticular beds of limestone occur within quartzite. In several places the limestone has been silicified or converted into various types of skarn. In a few places minute grains of scheelite with bluish white fluorescence were detected in the skarns. At one point several scheelite-bearing veinlets of white quartz intersect fine-grained green skarn. Selected samples of this material were found to contain up to 2.2 of oxide of tungsten (WO_3). Spectrographic analysis of several specimens of skarn from this locality showed that two samples consisting mainly of pyroxene and garnet contained 0.3 and 0.5 per cent of tin respectively. Other samples of similar material collected nearby were found to be barren or nearly so. The skarns are characterized both by the presence of tin and by the presence of an extremely iron-rich silicate assemblage. Most of the tin is associated with minerals rich in ferric iron, that is, andradite and epidote. The skarn consists essentially of garnet, pyroxene, vesuvianite, and calcite. The vesuvianite contains as much as 0.012% beryllium (G.S.C. spectrographic laboratory).

Associated minerals or products - Tin, beryllium.
Minéraux ou produits associés

Mineral Policy Sector, Department of Energy, Mines and Resources, Ottawa
Secteur de la politique minérale, ministère de l'Énergie, des Mines et des Ressources, Ottawa

510366 *

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

REFERENCES/BIBLIOGRAPHIE

- Watson, K. DeP. and Mathews, W.H.; The Tuya-Teslin Area, Northern British Columbia; Bulletin No. 19, p. 43, B.C. Dept. of Mines, 1944.
- Mulligan, R. and Jambor, J.L.; Tin-Bearing Silicates From Skarn in the Cassiar District, Northern British Columbia; The Canadian Mineralogist, Vol. 9, Part 3, pp. 358-370, 1968.
- Mulligan, R.; Geology of Canadian Beryllium Deposits; Economic Geology Report No. 23, p. 56, Geol. Surv. of Canada, 1968.
- Gabrielse, H.; Geology of Jennings River Map-Area, British Columbia; Paper 68-55, p. 35, Geol. Surv. of Canada, 1969.
- Mulligan, R.; Metallogeny of the Region Adjacent to the Northern Part of the Cassiar Batholith, Yukon Territory and British Columbia; Paper 68-70, pp. 9, 11, Geol. Surv. of Canada, 1969.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

- Tuya-Teslin Area, (Geol.), Sc. 1":4 miles - accomp. B.C. Dept. of Mines Bulletin No. 19.
- Map 18-1968, Jennings River, (Geol.), Sc. 1:250,000 - accomp. Paper 68-55, Geol. Surv. of Canada, 1969.
- Map 104 0, Jennings River, B.C., (Topo.), Sc. 1:250,000.

REMARKS/REMARQUES

Comp./Rev. By
Comp./rév. par

Date
Date

10-66	02-69	09-70					
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