

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

INDEX

OBJECT LOCATED
OBJET LOCALISÉ

UNCERTAINTY
FACTEUR D'INCERTITUDE

Mining Division Division minière	Lillooet	District District	Lillooet
County Comté		Township or Parish Canton ou paroisse	
Lot Lot		Concession or Range Concession ou rang	
Sec Sect.	Tp. Ct.		R. R.

Lat. 50°32' Long. 122°00'30"

OWNER OR OPERATOR/PROPRIÉTAIRE OU EXPLOITANT
Texas Creek Mines Ltd.,
1407 - 409 Granville St.,
Vancouver, B.C.

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

The Index group is about 60% covered by granitic talus and 40% covered by granitic outcrop. The host rock of the molybdenite mineralization is a fine to medium-grained granite stock that is roughly elliptical in plan. The long axis of the ellipse runs in a westerly direction and is approximately 1 $\frac{3}{4}$ miles long. The maximum width of the stock at the surface is 3,000 feet. The Index claim has been located to cover the most promising mineralization and is at the western end of the stock, near its contact with metamorphosed sediments. The granite is traversed by several systems of joints, the strongest of which has a N70°E strike and steep to vertical dip. A large slightly rusty zone that in places attains a width of 200 feet roughly parallels the strongest joint system. Seven assays of this zone all gave less than 0.1% molybdenum. The molybdenum occurs in lenses in and close to the joints in the granite, the best exposed lens being 16 feet long with a maximum width of 2 feet. The rock adjacent to the lenses consists essentially of quartz, partly kaolinized feldspar and, in places, a minor amount of sericite. Minor amounts of pyrite and radioactive material are present.

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

The Index group consists of 13 Crown-granted claims straddling the summit between the north fork of Texas Creek and Phair Creek at an elevation of about 8,000 feet. An additional 18 located claims are held joining the Index group on the north and west.

The property was originally staked by J.B. Perkins in July 1915 and sold in September of that year to A.F. Hautier who in turn sold to N.W. Emmens. During 1916 a shipment of hand-cobbed ore was made from open cuts. The Index Mining and Milling Co. took over the property in 1918, drove a 30 foot crosscut tunnel and put in a number of trenches and pits.

The Index claim (Lot 1306) and five others were Crown-granted to the Index Molybdenite Mining Co. Ltd. in 1921; it is not known what, if any, development work was done by the company. A prospectus of the Cumberland Mining Co. states that in the 1930's a tramline was cleared three miles to Texas creek, and an adit tunnel was driven for 80 feet but the plans for production were not finalized; it is not known who owned the property at this time.

The property was owned by H. Reynolds for a number of years and sold by him to Texas Creek Mines Ltd. which was incorporated in January 1964. An agreement was made with Cumberland Mining Co. Ltd. in September 1964 whereby Cumberland would acquire a 60% interest in the property provided \$10,000 were spent in 1964 and \$130,000 in 1965 on development work. During 1964 a road was built to the property and a diamond drilling program begun.

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HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

In 1916, 16,300 pounds of handcobbed ore were shipped to the International Molybdenum Co. of Renfrew, Ontario. From this ore 2,448 pounds of molybdenite were recovered.

REFERENCES/BIBLIOGRAPHIE

Drysdale, C.W.; Index Molybdenite Mine, Lillooet Mining Division; Summary Report 1916, pp. 54-56, Geol. Surv. of Canada.

Bacon, W.R.; Texas Creek; Annual Report, Dept. of Mines, B.C.; 1949, pp. 113-114.

Mineral Policy Sector; Corporation Files: "Index Molybdenite Mining Co."; "Cumberland Mining Co. Ltd."

Duffell, S. and McTaggart, K.C.; Ashcroft Map-Area, B.C.; Memoir 262, p. 106, Geol. Surv. of Canada, 1952.

Annual Reports, Dept. of Mines, B.C.: 1916, p. 272.

Stevenson, J.S.; Uranium Mineralization in British Columbia; Economic Geology, Vol. 46, 1951, pp. 353-366.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 92 J, Pemberton, B.C., (Topo.), Sc. 1:250,000.

Map 92 I, Ashcroft, B.C., (Topo.), Sc. 1:250,000.

Map 1010 A, Ashcroft, B.C., (Geol.), Sc. 1":4 miles - accomp. Mem. 262.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par	DMacR						
Date Date	05-65						

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