

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ LONNIE

OBJECT LOCATED
OBJET LOCALISÉ

INCERTAINTY
FACTEUR D'INCERTITUDE

Mining Division <i>Division minière</i>	Omineca	District <i>District</i>	Township or Parish <i>Canton ou paroisse</i>	Concession or Range <i>Concession ou rang</i>	
County <i>Comté</i>					
Lot					
Lot					
Sec <i>Sect.</i>	Tp. <i>Ct.</i>				R. <i>R.</i>

OWNER OR OPERATOR/PROPRIÉTAIRE OU EXPLOITANT

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

Syenite, monzonite and carbonatite occur in single, northwest-trending, sill-like horizons within uppermost Precambrian metasedimentary rocks of the Wolverine Complex. Within each intrusive zone the various rock units are distributed in interfingering lenses. The carbonate is up to 50 m in thickness and traceable for nearly 500 m; it contains apatite and pyrochlore. The monzonites and syenites contain minor amounts of zircon, columbite and ilmenorutile; niobium is present in the latter. The highest assay of 0.79% niobium pentoxide was from a selected sample of white syenite. The niobium content of the carbonatite is low. An electro-magnetic separation of a number of samples resulted in two concentrates, the first of which assayed 44.4% niobium, 2.4% titanium, 14.5% iron, and less than 0.3% vanadium; the second concentrate assayed 10.9% niobium, 43.0% titanium, 4.2% iron, and 0.9% vanadium.

Titanium, vanadium, zirconium

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

The showing is located on the south side of Granite Creek, some 1½ miles from the Fort St. James-Manson Creek road and 4 miles east of the Manson Creek settlement.

The Lonnie group of 8 claims was located in June 1954 by E.A. Floyd, of Manson Creek, and associates. The claims were bought by Northwestern Explorations, Limited, in December 1954. A program of bulldozer trenching, hydraulic stripping, and sampling was carried out in 1955.

The Ken 1-8 claims, located on these showings, were acquired by Manson Lake Mines Limited, which was incorporated in 1969. During the 1970 field season 605 feet of trenching was done on Ken 4 and 6. In 1978, Moly Mite Mines Inc. acquired these claims from R.J. Orr of Prince George. Work in 1979 included a radiometric survey and 401 feet of diamond drilling in 3 holes, possibly in part on the nearby Pitch claim. This work indicated possible reserves of 300 000 tons grading 0.204% Cb_2O_5 and 0.448% $ZrSiO_4$. (George Cross News Letter, 1982, No. 131).

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Reports of Minister of Mines, British Columbia: 1954, p. 96;
1955, p. 29.

Rowe, Robert B.; Niobium (Columbium) Deposits of Canada;
Economic Geology Series No. 18, p. 29, Geol. Surv. of
Canada, 1958.

Geology, Exploration, and Mining; British Columbia Dept. of
Mines: 1970, p. 181.

Mineral Policy Sector; Corporation Files: "Moly Mite Mines
Inc."; "Golden Slipper Resources Inc."

George Cross News Letter, No. 131, p. 3, July 9, 1982.

Geological Fieldwork, BC EMPR, 1984, p. 87.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 876 A, Manson Creek, (Geol.), Sc. 1": 4 miles (1946).

Map 907 A, Fort St. James, (Geol.), Sc. 1": 6 miles -
accomp. Memoir 252.

Map 1586 G, Manson Lakes, (Aeromag.) Sc. 1": 1 mile.

Map 93 N/9, Manson Lakes, (Topo.), Sc. 1: 50 000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par	DMacR						
Date Date	10-88						