

PRODUCT PRODUIT	MOLYBDENUM	PROVINCE OR TERRITORY	PROVINCE OU TERRITOIRE	British Columbia	N.T.S. AREA 103 I/9 RÉGION DU S.N.R.C.	REF. MO 2 RÉF.
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NAME OF PROPERTY  
NOM DE LA PROPRIÉTÉ

KOKANEE (NICHOLSON CREEK) (PHOENIX)

OBJECT LOCATED - showings on Molybdenum and Calhoun Creeks.  
OBJET LOCALISÉ

UNCERTAINTY 300 m FACTEUR D'INCERTITUDE	Lat. 54°40'35"	Long. 128°26'
Mining Division Omineca Division minière	District District	Range 5 Coast
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

Metamorphosed Triassic (?) sedimentary and volcanic rocks are intruded by granodiorite of the Coast Range batholith. In a granodiorite tongue near its contact with the bedded rocks several sheared, fractured, and silicified zones are visible on the surface, one as much as 20 feet wide. These zones contain quartz veins that are commonly less than 2 feet wide but may widen to as much as 4 feet. These veins and shear zones carry pyrite and molybdenite with negligible values in gold and silver. A long crosscut adit intersected dozens of minor faults and shear zones and some narrow quartz veins bearing pyrite and molybdenite but nothing comparable with the surface showings. Many of the sheared zones are filled with dark green dykes that strike N25°W and dip 65°NE.

On ground apparently adjoining to the south, which was held in the early 1970's as the Kokanee group, molybdenum occurs erratically over a large area in quartz veins and as disseminations in aplitic intrusive phases.

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

The original showings are located at 2,100' elevation on Molybdenum Creek, a north flowing tributary of Shannon (Nicholson) Creek, some 13 miles northeast of Terrace.

The ground was held in 1928 as the Phoenix group by J. Bethurem and associates but work appears to have been limited to prospecting.

Nicholson Creek Mining Corporation, of Seattle, acquired the property in 1934. A crosscut adit begun on the east side of Molybdenum creek at 1,533' elevation was driven in a S38°W direction for over 1,700 feet. Other workings off the adit amounted to about 525 feet of drifting and crosscutting. Intermittent work continued until 1948 when the machinery and buildings were moved to an adjacent copper property.

The property was drilled by Kokanee Moly Mines Ltd in 1967 with subcommercial molybdenum grades indicated. The Kokanee, J, O, K and L groups totalling some 104 claims, owned by L. Remillong, were under option to New Gold Star Mines Ltd in the early 1970's. A geochemical survey was carried out over 6 line-miles in 1971.

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Reports of Minister of Mines, British Columbia: 1928, p. 145; 1934, p. C 5; 1935, p. C 7<sup>+</sup>; 1936, p. C 7.

Geology Exploration and Mining; British Columbia Dept. of Mines: 1973, p. 487<sup>++</sup>.

Kindle, E.A.; Mineral Resources of the Terrace Area, Coast District, British Columbia; Memoir 205, p. 53, Geol. Surv. of Canada, 1937.

Duffell, S. and Souther, J.G.; Geology of Terrace Map Area, British Columbia; Memoir 329, p. 86, Geol. Surv. of Canada, 1964.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 1136 A, Terrace, (Geol.), Sc. 1":4 miles, accomp. Memoir 329.

#Plan showing veins on property of Nicholson Creek Mining Company, Sc. 1":150', Fig. 13, Memoir 205.

\*Map 103 I/9, Usk, (Topo.), Sc. 1:50,000.

Geological Sketch Map, Terrace Area, Sc. 1":4 miles, accomp. Paper 36-17, Geol. Surv. of Canada.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par	DMacR						
Date Date	02-84						