

PRODUCT

MOLYBDENUM

PROVINCE OR  
TERRITORY

British Columbia

N.T.S. AREA 103 P/3

REF. MO 4

NAME OF PROPERTY

LUCKY

OBJECT LOCATED -from Geology, Exploration, and Mining, 1971.

UNCERTAINTY IN METERS

Lat. 55°03'

Long. 129°02'

Mining Division Skeena

District

Cassiar

County

Township or Parish

Lot

Concession or Range

Sec

Tp.

R.

OWNER OR OPERATOR AND ADDRESS

## DESCRIPTION OF DEPOSIT

Molybdenum-copper mineralization is associated with dykes and sills of granodiorite porphyry which intrude siltstones and shales on the steep slope north of Alder Creek. The area of the principal showings is marked by a prominent gossan. The contact between granitic rocks of the Coast Plutonic Complex and Bowser-type sedimentary rocks is located half a mile south of the showings, where it parallels the south side of Alder Creek.

The main showings are exposed in several open cuts in the steep canyon of a southwest flowing tributary of Alder Creek, between elevations of 1,600 and 1,700 feet. A northwest striking dyke-like body of granodiorite porphyry intrudes dark grey siltstones which have been largely converted to biotite hornfels. Original hornblende and biotite are almost completely altered to chlorite, and pyrite is disseminated throughout the rock. Intensely brecciated varieties of the intrusive were noted in which mafic minerals are bleached, rendering the rock a uniform grey color. Abundant quartz has flooded the matrix and stringers of granulated rock envelop non-brecciated fragments of porphyry.

Molybdenite with some chalcopyrite and rare bornite occurs in coarse-grained drusy quartz veins, on hairline fractures with  
Associated minerals or products of value - Copper. p.t.o. ....

## HISTORY OF EXPLORATION AND DEVELOPMENT

The property is located at the 1,700 foot elevation on a south flowing tributary of Alder Creek, 1 mile west of Lava Lake and approximately 40 miles northwest of Terrace.

The Lucky group (26 claims) was owned in 1971 by Bill McKay, of Terrace, and Cliff Mollison, of Kitimat. Trenching and soil sampling were reported.

Mineral Resources Branch, Department of Energy, Mines and Resources, Ottawa

513687 \*

HISTORY OF PRODUCTION

REFERENCES

Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1971, p. 119.

MAP REFERENCES

Map 103 P/3, Tseax River, (Topo.), Sc. 1:50,000.

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DESCRIPTION OF DEPOSIT (continued)

quartz, and in gouge zones representative of post-mineral faulting. The best mineralization is within the intrusive rocks near their contact with hornfelsed sedimentary rocks. Pyrite is widely disseminated both in the intrusive rocks and hornfels, giving rise to the gossan zone.

REMARKS

Comp./Rev. By	DMacR						
Date	11-74						