

NAME OF PROPERTY

LOU

OBJECT LOCATED - #144, Map 69-1.

UNCERTAINTY IN METRES 1,000. Lat. 54°51'25" Long. 127°42'

Mining Division Omineca District Range, 5 Coast

County Township or Parish

Lot Concession or Range

Sec Tp. R.

OWNER OR OPERATOR AND ADDRESS

HISTORY OF EXPLORATION AND DEVELOPMENT

The property is located just west of Louise Lake, 21 miles west-northwest of Smithers.

The Lou 1-48 claims were apparently owned by Mastodon-Highland Bell Mines Limited. Leitch Mines Limited on January 1, 1969, purchased the assets of Mastodon-Highland Bell. Work on the Lou group by Leitch during 1969 included geological mapping, induced potential and magnetometer surveys, and bulldozer trenching.

Canadian Superior Exploration Limited optioned the property in October 1969 and during 1970-71 carried out geological mapping, induced potential surveys over 26.7 line-miles, a geochemical soil survey (673 samples), and 6,632 feet of diamond drilling in 17 holes. Leitch Mines Limited merged with Teck Corporation Limited in March 1971.

DESCRIPTION OF DEPOSIT

A complex of acid pyroclastic volcanic rocks and intrusive feldspar porphyry is highly altered to a sericite-kaolin rock. West of Louise Lake, where the alteration is most intense, a quartz and pyrite stockwork is mineralized with tennantite, chalcopyrite, and molybdenite along quartz-filled and dry fractures, and as disseminations in the rock matrix.

Associated minerals or products of value - Molybdenum.

120439

Mineral Development Sector, Department of Energy, Mines and Resources, Ottawa.

HISTORY OF PRODUCTION

REFERENCES

Geology, Exploration, and Mining: British Columbia Dept. of Mines: 1969, p. 80; 1970, p. 161; 1971, p. 176.
Mineral Policy Sector; Corporation Files: "Leitch Mines Limited".

MAP REFERENCES

#Map 69-1, Smithers, Hazelton, and Terrace Areas, (Geological compilation), Sc. 1":4 miles, British Columbia Dept. of Mines.
Preliminary Map 44-23, Smithers, (Geol.), Sc. 1":2 miles, Paper 44-23, Geol. Surv. of Canada.
*Map 93 L/13, McDonell Lake, (Topo.), Sc. 1:50,000.
Map 5300 G, Lamprey Creek, (Aeromag.), Sc. 1":1 mile.

REMARKS

Comp./Rev. By	DMacR						
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