

## NAME OF PROPERTY

BAL, HI

## LOCATION

Lat. 55°12.5' Long. 125°06.5'

Mining Division **Omineca** District **Cassiar**

County Township or Parish

Lot Concession or Range

Sec. Tp. R.

## OWNER OR OPERATOR AND ADDRESS

Nation Lake Mines Ltd.,  
1595 - 5th Ave.,  
Prince George, B.C.

## DESCRIPTION OF DEPOSIT

The claims lie at the southwestern edge of a mass of dioritic rock of the Omineca Intrusions, presumably of Upper Jurassic or Lower Cretaceous age. The rock is a medium-grained monzonite or diorite containing abundant hornblende, plagioclase, and potash feldspar. Locally, plagioclase has been replaced extensively by sericite and/or calcite, and biotite has been chloritized. Mineralization is localized almost exclusively in 2 or 3 joint sets which have variable strike. Pyrite and quartz with lesser amounts of molybdenite and chalcopyrite occur in the joints. The resulting veinlets generally range in width from thin smears to about  $\frac{1}{4}$  inch. Molybdenite is most abundant along vein margins. Chalcopyrite occurs as rare, small, anhedral grains interstitial to quartz and pyrite.

Associated minerals or products of value - Copper.

## HISTORY OF EXPLORATION AND DEVELOPMENT

This property is located on the north side of Tchentlo Lake about 40 miles southwest of Manson Creek.

Surface exploration is known to have been carried out in the area of the Bal group from 1940 to 1944 but there is no record of work done. The Bal 1-16 and PJ 1-20 claims were located by Messrs. Rigler, Bressette, and O'Dell, who in July 1969 incorporated Tchentlo Lake Mines Ltd. to acquire the property. Work during the year included a geochemical soil survey and trenching. The adjacent HI claim group (HI 1-30) was staked in 1969 for the N.B.C. Syndicate. Geological mapping, soil geochemical ground electromagnetic and magnetometer surveys were carried out during 1969 and 1970. Tchentlo Lake Mines acquired the HI group from the N.B.C. Syndicate, the TC group from A.K. Anderson, and the J group from R.W. Jackson in November 1970 for a total of 6 claims and 7 fractions. Work during 1970 included a geochemical soil survey, trenching and stripping. An area anomalous in molybdenum and copper values was indicated on the Bal 4 claim and extending into the HI 27 fraction.

The company name, Tchentlo Lake, was changed in 1971 to Nation Lake Mines Limited. In August 1971 the property was optioned to Lomita Mining Corporation, of Nevada, an exploration subsidiary of Cyprus Mines Corporation, of Los Angeles. Exploration work under this agreement was carried out in late 1971 at a cost of \$90,000. The agreement terminated in August 1972.

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HISTORY OF PRODUCTION

REFERENCES

Geology, Exploration and Mining; British Columbia Dept.  
of Mines: 1969, p. 107; 1970, p. 179.

Mineral Development Sector; Corporation Files: "Nation Lake  
Mines Limited".

MAP REFERENCES

Map 844 A, Takla, (Geol.), Sc. 1":4 miles.

Map 93 N, Manson River, (Topo.), Sc. 1:250,000.

REMARKS

OCT 1971  
AUG 1974