

PRODUCT MOLYBDENUM
PRODUIT

PROVINCE OR TERRITORY PROVINCE OU TERRITOIRE

British Columbia

N.T.S. AREA 93 K/3
RÉGION DU S.N.R.C.

REF. MO 2
RÉF.

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

K, S (OWL LAKE)

OBJECT LOCATED
OBJET LOCALISÉ

UNCERTAINTY
FACTEUR D'INCERTITUDE

Lat. 54°09'40"
Lat.

Long. 125°08'
Long.

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

The showings consist of narrow quartz and molybdenite veins in quartz monzonite of the Mesozoic Topley intrusives. The quartz monzonite is cut by aplite dykes and is variously altered, being partly chloritized and partly containing fresh biotite and orthoclase. Drill cores reveal numerous quartz veins, rarely as much as $\frac{1}{4}$ inch wide, some of which contain molybdenite which is mostly very finely disseminated. Fractures, which are mostly chloritic, are in some cases smeared with molybdenite. Pyrite is sparsely disseminated and also occurs on fractures. Diamond drilling at 1,200 foot intervals over a length of 1 mile indicated fairly consistent mineralization but no ore grade sections were encountered. For example, hole A 23 cut values ranging from 0.01 to 0.10% MoS₂ throughout a core length of 410 feet.

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

This property is located at Owl Lake, 6 miles northwest of Endako.

Considerable prospecting was done in this area after the completion of the railroad in 1913, but it is not known when the original showing was found. The S 1-21 claims were purchased by United Buffadison Mines Limited from Samoan Mines Ltd. in 1964. In 1965 the company acquired an additional 41 claims adjoining on the north and northeast from Lyle Smith, of Vancouver. Work during the year included trenching, soil sampling, and 6,000 feet of wire-line diamond drilling in 12 holes. Endako Mines Ltd. acquired a working option on the property on November 1, 1965; the option was terminated at the end of the month. Further drilling was reported by United Buffadison in 1966; work was suspended in June of that year.

The 1966 work included geological mapping, geophysical and geochemical surveys, 10,000 feet of trenching, and 5,991 feet of diamond drilling in 13 holes. In 1967 diamond drilling was done in 5 holes totalling 1,106 feet on the Poop and End groups (19 claims).

The assets of United Buffadison were acquired by Western-Buff Mines & Oils Ltd., which was incorporated in January 1969.

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

REFERENCES/BIBLIOGRAPHIE

Reports of Minister of Mines, British Columbia:
1965, pp. 134, 135; 1966, p. 118; 1967, p. 115.

Mineral Policy Sector; Corporation File: "United
Buffadison Mines Limited".

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Geology of the Endako Area, Sc. 1":1 mile, Fig. 22, Report of
Minister of Mines, British Columbia, 1965.

Map 631 A, Fort Fraser, (Geol.), Sc. 1":4 miles. (1941).

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

Map 93 K/3 E, Endako, (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

Comp./Rev. By
Comp./rév. par

Date
