

PRODUCT MOLYBDENUM
PRODUIT

PROVINCE OR PROVINCE OU
TERRITORY TERRITOIRE

British Columbia

N.T.S. AREA 104 K/6
RÉGION DU S.N.R.C.

REF. MO 1
RÉF.

NAME OF PROPERTY MT. OGDEN (MOLY, TAKU) (PAT) (NAN).
NOM DE LA PROPRIÉTÉ

OBJECT LOCATED - Nan showing, Map 1262 A.
OBJET LOCALISÉ

UNCERTAINTY 1,000 m
FACTEUR D'INCERTITUDE

Lat. 58°26'

Long. 133°20'30"

Mining Division Atlin
Division minière

District
District

Cassiar

County
Comté

Township or Parish
Canton ou paroisse

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 area is within the Coast crystalline belt of Mesozoic to Tertiary age. In the vicinity of Mt. Ogden these rocks are mainly quartz monzonites, with numerous stocks, sills, and dykes of felsite. Sedimentary and volcanic rocks in the area are Permian to Triassic in age.

On the property a series of intrusive outcrops of fine-grained alaskite, with quartz and feldspar phenocrysts, is in contact with hornfelsed clastic sediments and intercalated volcanics. This alaskite stock is 1,500 metres wide and at least 1,600 metres along its long axis. Molybdenite occurs as fine disseminations, as cavity fillings, coatings on dry fractures, and in quartz veins up to 4 cm wide and subhorizontal quartz veins up to 10 cm wide. As exposed in the adit the fracture density varied but would be about four per metre. Near vertical fractures, generally less than 1 cm in width, are the most frequent. A prominent flat-lying joint system, at 2 metre intervals, carried higher grade mineralization. Quartz is the main fracture filling but also present are chlorite, fluorite, calcite, rhodocrosite and minor scheelite. Significant amounts of tungsten occur with the molybdenite in the Y zone. While most of the molybdenum mineralization occurs

Associated minerals or products - Tungsten.
Minéraux ou produits associés

p.t.o.

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

The showings are located in two opposing cirque headwalls on Mt. Ogden, adjacent to the Alaska border, 16 miles south-southeast of the Taku River community of Tulsequah.

Molybdenum-bearing float was found on the glacier at the head of the south fork of Sittakanay River in 1961. A geological survey was carried out in this vicinity during the year by Totem Minerals Ltd., on the Nan group of claims.

Mt. Ogden Mines Ltd. was incorporated in February 1967 to acquire the Pat group of 156 recorded claims in the same vicinity. During the year the company carried out airborne magnetometer and electromagnetic surveys, and 150 ft. of diamond drilling in 3 holes. The claims subsequently lapsed.

The Moly 1-4 (41 units), and Taku 1 and 2 (36 units), were owned by Frank Onucki, of Vancouver, in 1977. Geological mapping was carried out over the property by Marge Enterprises Ltd. Owner Onucki expanded the property to include the Border 1-4 and 6-13 claims, for a total of 200 units.

Omni Resources Inc. acquired the property from Onucki by a June 1978 option agreement. A programme of preliminary geological mapping and sampling was carried out during the year. In 1979 the company completed a 154 metre adit, and 589 metres of underground diamond drilling in 6 holes, on the N zone. One surface drill hole was put down to 380 metres on the Z zone. Drilling was done in 1980 on the Y zone, located some 3,300' southeast of the adit portal and discovered near the end of the 1979 field season. Assessment work was done in later years to maintain the claims.

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT (continued)

Within the intrusive rocks, some interesting mineralization has been found in the intruded sediments.

REFERENCES/BIBLIOGRAPHIE

Report of Minister of Mines, British Columbia, 1967, p. 25.
 Souther, J.G.; Geology and Mineral Deposits of Tulsequah Map-Area; Memoir 362, p. 56, Geol. Surv. of Canada, 1971.
 Geology, Exploration and Mining; British Columbia Dept. of Mines: 1977, p. E 236; 1978, p. E 266⁺⁺; 1979, p. 292.
 Mineral Policy Sector; Corporation Files: "Omni Resources Inc."

[†]Beley, M.J.; Glaciers, mountains probed to find Mt. Ogden moly; Canadian Mining Journal, April 1980, p. 55.
 Geological Fieldwork, British Columbia Dept. of Mines: 1978, p. 105 (Paper 1979-1).
 Geology in British Columbia; BCDM: 1977-1981, p. 180.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 1262 A, Tulsequah and Juneau, (Geol.), Sc. 1:250,000 - accomp. Memoir 362, Geol. Surv. of Canada.
 Map 931 A, Taku River, (Geol.), Sc. 1":2 miles - accomp. Memoir 248, Geol. Surv. of Canada.
 Map 104 K, Tulsequah, (Topo.), Sc. 1:250,000.
 Geological sketch map of the Moly-Taku property, Fig. 59, Geology in British Columbia 1977-1981, p. 181.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par	DMacR	DMacR	DMacR				
Date Date	05-80	01-82	09-86				