

PRODUCT
PRODUIT MOLYBDENUM

PROVINCE OR
TERRITORY PROVINCE OU
TERRITOIRE

British Columbia

N.T.S. AREA
RÉGION DU S.N.R.C. 82 L/5

REF. MO 1
RÉF.

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ KENALLAN (BRENDA) (KEY)

OBJECT LOCATED
OBJET LOCALISÉ

UNCERTAINTY
FACTEUR D'INCERTITUDE

Lat. 50°27' Long. 119°49'
Lat. Long.

Mining Division
Division minière Kamloops

District
District Kamloops

County
Comté Township or Parish
Canton ou paroisse

Lot
Lot Concession or Range
Concession ou rang

Sec. Tp.
Sect. Ct. R.

OWNER OR OPERATOR/PROPRIÉTAIRE OU EXPLOITANT

Northwest Ventures Ltd.,
360 Bay St.,
Toronto, Ontario.

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

The claims are underlain by basalts of the Kamloops volcanics, and by a window of Cache Creek sediments measuring about one-half mile wide in an east-west direction by about three-quarters of a mile north-south. The Cache Creek rocks are in contact with and intruded by diorite or quartz diorite of the Coast Intrusions. The intrusive rocks form a northern rim of the window.

The Cache Creek sediments are crystalline limestone and grey to greenish fine-grained siliceous hornfels. The latter is locally metamorphosed to a lime-silicate skarn which also, though to a much lesser extent, occurs in the intrusive rocks. The crystalline limestone occurs in one principal band, which exposures indicate may be more than 150 feet thick but which appears to have a relatively limited strike length. The sediments strike a few degrees east and west of north and dip about 40 degrees westward.

Tongues of diorite up to 200 feet wide occupy the northerly end of the area of exposures. They are conformable with the bedding, or nearly so.

p.t.o.

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

This property is located on the northwest side of the Salmon River about 3 miles southwest of Westwold and some 27 miles southeast of Kamloops. The showings are apparently the same as those described as being "at the rear of the settlement", and staked by the F.C. Jones Mining Company in 1896. The property, then known as the Grand Prairie Group, consisted of the Key, Forest Queen, Henrietta, and Alice Hay claims. Exploration work, consisting of open cuts, two short adits, and two inclined shafts about 40 feet deep, was carried on by the company from 1896 to 1901. The property was subsequently abandoned.

In about 1915 the showings were restaked by Messrs. Mackay, Bodie, and Mitchell who located the Kennallan, Bonaccord, and Silver Wedding claims. Some trenching was apparently done before the claims were allowed to lapse.

Seven claims, the Numbers 1 to 6, and the Oak Fractional, were staked on the showings in August 1939 by Messrs. R. & F.L. Fitzmaurice, O. Sandberg, and F. Groves. No work was reported done on the showings at this time.

Northwest Ventures Limited staked the Brenda group of 36 recorded claims covering the showings. During 1964 two diamond drill holes were put down.

Denar Mines Ltd - SMF 18/06/80 (Rept.).

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

Mineralization consists of erratic concentrations of molybdenite in the skarn, with minor chalcopyrite and pyrite. It is almost wholly confined to the altered sediments. There are two principal exposures of molybdenite. The first, on the west side of the working area, is exposed in old rock trenches and is in skarn at and near contacts with crystalline limestone. The second is 1,200 feet distant to the northeast and is exposed in two old rock trenches about 150 feet apart. It is in skarn in hornfels at and near contacts with diorite. In both occurrences the molybdenite is spotty and statements of width have no meaning. (McKechnie, 1964).

REFERENCES/BIBLIOGRAPHIE

- McKenzie, N.D.; Brenda; Report of Minister of Mines & Petroleum Resources, British Columbia, 1964, p. 104.
- Stevenson, J.S.; Molybdenum Deposits of British Columbia; Bulletin No. 9, pp. 28-33, Dept. of Mines, B.C., 1940.
- Annual Reports, Dept. of Mines, B.C.; 1896, p. 568; 1898, p. 1107; 1915, pp. 217-219.
- Brendo Project Mining in Canada, April 1969, p. 61.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 1059 A, Vernon, B.C., (Geol.), Sc. 1":4 miles - Accomp. Mem. 296.

Map 82 L/5, Westwold, B.C., (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

BCI 82L/5W-43

Comp./Rev. By Comp./rév. par							
Date Date	01/63						