

PRODUCT  
PRODUIT BENTONITE

PROVINCE OR  
TERRITORY PROVINCE OU  
TERRITOIRE British Columbia

N.T.S. AREA 92 I/1  
RÉGION DU S.N.R.C.

REF. Bnt 1  
RÉF.

NAME OF PROPERTY  
NOM DE LA PROPRIÉTÉ QUILCHENA CREEK

OBJECT LOCATED outcrop - Fig. 4-1-3  
OBJET LOCALISÉ

UNCERTAINTY 300 m  
FACTEUR D'INCERTITUDE Lat. 50°08'10" Long. 120°29'30"  
Lat. Long.

Mining Division Nicola District Kamloops  
Division minière District

County Township or Parish  
Comté Canton ou paroisse

Lot Concession or Range  
Lot Concession ou rang

Sec Tp. R.  
Sect. Ct. R.

OWNER OR OPERATOR/PROPRIÉTAIRE OU EXPLOITANT

#### DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

At this location Tertiary Coldwater beds include an 8-foot bed of bentonite conformably overlying a 5-foot bed of shaly lignite coal. The bentonite is a buff-coloured, fine-grained rock with conchoidal fracture.

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

Quilchena Creek flows northerly into Nicola Lake, some 20 km east of Merritt. Bentonite outcrops in a gully at 2 400 feet elevation just above the Quilchena creek road some 3.5 km from Nicola lake.

In 1950, the mineral rights were held by Guichon Cattle Company Limited.

Ries, H. and Keele, J.; Report on the Clay and Shale Deposits of the Western Provinces; Memoir 25, p. 73, Geol. Surv. of Canada, 1913.

Cockfield, W.E.; Geology and Mineral Deposits of Nicola Map-Area, British Columbia; Memoir 249, p. 149, Geol. Surv. of Canada, 1948.

Cummings, J.M. and McCammon, J.W.; Clay and Shale Deposits of British Columbia; Bulletin No. 30, p. 34, British Columbia Dept. of Mines, 1952.

Geological Fieldwork; British Columbia Dept. of Mines: 1986, p. 250.

Spence, H.S.; Bentonite; Mines Branch, Ottawa, No. 626, 1924, pp. 7-8.

Chemical and physical characters of Bentonite; Summary Report, 1921, p. 73, Mines Branch, Ottawa.

The Canadian Mineral Industry in 1950 (No. 835), Mines Branch, Ottawa.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 886 A, Nicola, (Geol.), Sc. 1" = 4 miles -accomp. Memoir 249, Geol. Surv. of Canada, 1948.

Simplified geological map of the Merritt-Guichon Creek-Quilchena Creek area; Sc. 1 cm = 2.5 km, Geological Fieldwork, 1986, p. 251, BCDM.

Map 92 I/1, Douglas Lake, (Topo.), Sc. 1: 50 000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par	DMacR						
Date Date	09-87						