

PRODUCT CHROMIUM  
PRODUIT

PROVINCE OR PROVINCE OU British Columbia  
TERRITORY TERRITOIRE

N.T.S. AREA 93 N/5  
RÉGION DU S.N.R.C.

REF. CR 1  
RÉF.

NAME OF PROPERTY  
NOM DE LA PROPRIÉTÉ

MITCHELL RANGE

OBJECT LOCATED  
OBJET LOCALISÉ

UNCERTAINTY  
FACTEUR D'INCERTITUDE

Lat. 55°23'15" Long. 125°35'  
Lat. Long.

Mining Division **Omineca**  
Division minière

District **Cassiar**  
District

County  
Comté

Township or Parish  
Canton ou paroisse

Lot  
Lot

Concession or Range  
Concession ou rang

Sec. Tp. R.  
Sect. Ct. R.

OWNER OR OPERATOR/PROPRIÉTAIRE OU EXPLOITANT

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

Mitchell Range ultramafic rocks, of Permian age, consist of serpentized harzburgite and minor dunite. Disseminated chromite forms an accessory phase in the ultramafic rocks with local heavier disseminations forming layers and nodules. Layers range from 2 cm to 75 cm thick. The mineralization shows variable degrees of deformation, as indicated by isoclinal folds and segmented planar layers. The only occurrence of chromite in dunite is at locality 5. Analyses by electron microprobe of two chromatite (more than 75% chromite) samples gave Cr/Fe ratios of 3.80 for a chromatite nodule and 1.70 for a chromatite layer.

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

A chromite occurrence is shown on Map 844 A at this location. Whittaker, 1981, has plotted five occurrences in 93 N/5 (Nos. 4 to 8 on Fig. 37.1).

Whittaker, P.J.; Chromite occurrences in ultramafic rocks in the Mitchell Range, Central British Columbia; Paper 82-1 A, pp. 239-245, Geol. Surv. of Canada, 1982.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 844 A, Takla, (Geol.), Sc. 1":4 miles (1946).

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

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

Geology of the Mitchell Range ultramafic allochthon, Sc. 1.85 cm:1 km, Fig. 37.1, Report by Whittaker, 1982.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par	DMacR						
Date Date	12-85						