

PRODUCT RARE EARTHS  
PRODUIT

PROVINCE OR TERRITORY PROVINCE OU TERRITOIRE

British Columbia

N.T.S. AREA 82 M/7  
RÉGION DU S.N.R.C.

REF. Ree 2  
RÉF.

NAME OF PROPERTY  
NOM DE LA PROPRIÉTÉ

REN

OBJECT LOCATED  
OBJET LOCALISÉ

UNCERTAINTY  
FACTEUR D'INCERTITUDE

Lat. 51°21'30" Long. 118°44'30"  
Lat. Long.

Mining Division Kamloops  
Division minière

District  
District

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 country rocks belong to the Shuswap Metamorphic Complex. The showings are within the Monashee Complex, a succession of interbedded pelitic gneiss, calc-silicate gneiss, marble and quartzite. The host rock is a concordant carbonatite unit at least 3 km in length and 20-200 m in width in the core of the Mount Grace syncline. The carbonatite averages 60-80 percent calcite, 10-30 percent apatite with accessory biotite, amphibole, and sphene. Trace amounts to low values have been reported for copper, molybdenum, tungsten and zinc. The carbonatite contains anomalous values in light rare earth.

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

The property is located on the south side of Ratchford Creek some 55 km northwest of Revelstoke.

Duval International Corporation held the Ren claim group. Work in 1983 included geological mapping, and a geochemical survey comprising 469 soil, 15 silt, and 72 rock samples; these were assayed for columbium, cerium and lanthanum.

Claims in this vicinity were held in 1985 by Active Mineral Explorations Ltd.; no work reported.

Associated minerals or products  
Minéraux ou produits associés

Copper, molybdenum, zinc

121762

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Energy, Mines and Petroleum Resources, B.C.; Geological Fieldwork: 1981, p. 199; 1985, p. 79.

Exploration in British Columbia; EMPR: 1983, p. 161.

McMillan, W.J. and Moore, J.M.; Gneissic Alkalic Rocks and Carbonatites in the Frenchman's Cap Gneiss Dome, Shuswap Complex, British Columbia; Canadian Journal of Earth Sciences, Vol. 11, pp. 304-318, 1974.

Hoy, T. and Kwong, Y.T.J.; The Mount Grace Carbonatite; Economic Geology, Vol. 81, 1986, pp. 1374-1386.

## MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 12-1964, Big Bend, (Geol.), Sc. 1": 4 miles, accomp. Paper 64-32, Geol. Surv. of Canada.

Geological compilation map, Geological Fieldwork, 1981, p. 191.

Location and structural setting of the Mount Grace Carbonatite, Fig. 8-2, Geological Fieldwork, 1985, p. 71.

Map 82 M/7, Ratchford Creek, (Topo.), Sc. 1: 50 000.

## REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par	DMacR						
Date Date	04-89						

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