

PRODUCT
PRODUIT MICA

PROVINCE OR
TERRITORY British Columbia

PROVINCE OU
TERRITOIRE

N.T.S. AREA
RÉGION DU S.N.R.C. 94 C/10

REF.
RÉF. MIC 1

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ MICA PEAK, RAVENAL

OBJECT LOCATED
OBJET LOCALISÉ

East Mica Mountain 56°33' 124°44'
UNCERTAINTY Lat. 56°29' Long. 124°43'
FACTEUR D'INCERTITUDE Ravenol

Mining Division Omineca District
Division minière District Cassiar

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

The country rocks are Proterozoic schists, quartzites, slates, argillites, and gneisses. The mica occurs in large white pegmatite dykes, of which there are a great many in the district. In general, the pegmatites are lenticular in plan and arranged with the long axis parallel to the strike of the schists. They vary from 20 to 200 feet in width and are exposed over lengths of from 50 to 1,500 feet. The dyke explored on East Mica Mountain has been shown to have a shape somewhat resembling a greatly elongated ellipsoid with the major axis parallel to the strike of the schistosity and plunging southeast at a low angle. All the dykes have a pronounced uniformity of composition, consisting of about 65% feldspar, 25% quartz, and much smaller amounts of tourmaline, garnet, and pyrite; a crystal of bluish-green beryl was found. The mica is of the highest quality and crystals up to 13 inches in length are found, however, insufficient work has been done to indicate the spacing between the large crystals. A large pegmatite on the Birthday claims, exposed over an area 1,500 feet long and from 20 to 200 feet wide, contains virtually no mica of marketable size.

Associated minerals or products

Minéraux ou produits associés Tourmaline, beryl

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

Mica has been found at a number of places in the first range of mountains west of the Finlay River and south of Fort Grahame. Within an area 6 by 10 miles, situated in this range 5 to 10 miles southwest of Fort Grahame, eight mica-bearing pegmatites have been discovered.

The General Holding Company, Limited, of Edmonton located a total of 23 claims in 5 groups, the East Mica Mountain, West Mica Mountain, Birthday, Sunset, and Caribou groups, in about 1924. The company did some surface work on all of their deposits but devoted most of their attention to the East Mica Mountain group. Development work here consisted of trenching, a crosscut some 380 feet in length, and a raise to the surface. Work ceased in about 1927.

One deposit of this area, not owned by the above company, was held by Mr. Ravenal of Fort Grahame. His claims, staked in 1926, are located 6 miles south of the East Mica Mountain group. Some trenching was done on the property in 1926 and 1927.

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

A shipment of 700 pounds of mica was made to Edmonton in 1927.

REFERENCES/BIBLIOGRAPHIE

Dolmage, Victor; Finlay River District, British Columbia; Summary Report 1927, Pt.A, pp.31-35, Geol. Surv. of Canada.

Annual Reports, Dept. of Mines, B.C.; 1926, pp. 153-155; 1927, p. 161; 1928, p. 183.

Mineral Policy Sector; Corporation File: "General Holding Company, Limited".

Spence, H.S.; Mica; Report No. 701, pp. 78-80, Mines Branch, Ottawa, 1930.

Allan, J.A.; Second Annual Report on the Mineral Resources of Alberta; pp.76-78, Research Council of Alberta, 1920.

Hoadley, J.W.; Mica Deposits of Canada; Economic Geology, Series No. 19, pp. 83, 90, Geol. Surv. of Canada, 1960.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 1000 A, Northeastern British Columbia, (Geol.) Sc. 1":10 miles - Accomp. Memoir 259.

Map 94 C, Fort Grahame, B.C. (Topo.) Sc 1:250,000

REMARKS/REMARQUES

BCI 94 C- 34, 35, 36

Comp./Rev. By Comp./rév. par			CL				
Date Date	02/67	08/74	01/80				