

## NAME OF PROPERTY

**MONTEITH**

## LOCATION

## Deposit

Lat. **50°07'38"** Long. **127°16'55"**Uncertainty: **250 metres.**

Mining Division

**Alberni**

District

**Rupert**

County

Township or Parish

Lot

Concession or Range

Sec.

Tp.

R.

## OWNER OR OPERATOR AND ADDRESS

## DESCRIPTION OF DEPOSIT

Rocks in the area of the deposit are chiefly volcanics of Triassic and Lower Jurassic age consisting of porphyritic and fragmental andesites and dacites. These have been intruded by quartz diorite, dykes of quartz diorite porphyry, and by numerous dykes of andesite. The volcanics along their contacts with the intrusive diorite and andesite have been altered and replaced resulting in well-defined masses of quartz sericite; quartz alunite and quartz pyrophyllite. Quartz makes up from 20 to 50% of the quartz-pyrophyllite rock, with sericite up to 8%, some pyrite (weathering to limonite) and kaolin. Irregular streaks and thin beds of quartz-sericite rock occur in the pyrophyllite zones; and the rock has been more or less sheared producing in places zones filled with soft gouge composed largely of quartz, pyrophyllite, and kaolin, and in other places fault breccia consisting of fragments of quartz pyrophyllite, kaolin, and iron oxides. The pyrophyllite is in the form of very fine microscopic flakes and is of the compact, massive type. The deposit on the Monteith claim

p.t.o. ....

Associated minerals or products of value

## HISTORY OF EXPLORATION AND DEVELOPMENT

The Monteith claim is located on the south side of Monteith Bay, about 200 miles northwest of Victoria. The property was staked about 1908, and in 1910 a small amount of pyrophyllite rock was mined and shipped to the plant of The British Columbia Pottery Company (Limited Liability) in Victoria. The material, of a very refractory nature, was mixed with surface clays obtained near the plant, and Cretaceous shales from the vicinity of Comox and used in the manufacture of sewer pipe and a fire-proofing material. Most of the material is reported to have come from a 6'x6' adit, 15 feet long. Ries and Keele (1912, pp. 148-150) stated of the results of tests carried out on a sample taken from the stockpile at the plant that "It burns steel hard at cone 1 and shows good refractiveness; in fact, there are few more refractory clays thus far known in the western provinces."

In March 1919, The Alunite Mining and Products Company, Limited, acquired the A.T. Monteith, Sockeye and Percy F. Curti claims, along with several others in the Easy Inlet area.

In 1937 it was reported that an effort was being made to work the deposits in the areas as a source of ground pyrophyllite for paper manufacture, but no development apparently resulted. Subsequently the Mines Ministers Report for 1947, p. 223, states that during the war (World War 2) "... the deposits were investigated as a possible source of paper filler Quartz pyrophyllite also proved to be a highly satisfactory ingredient of whiteware batches for both slip-cast and dry-process tiles, electrical insulators and tableware."

In 1973, claims in the area were held by Kennco Explorations, (Western) Limited, including the Kashu 1 to 4, 11 to 48, 50, 55 to 80 and 83 to 94. During 1972 and 1973 reconnaissance geological mapping, and a geochemical rock-chip survey of 23 samples taken at varying intervals along the shoreline, was carried out.

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- Clapp, C.H.; The Geology of the Alunite and Pyrophyllite Rocks of Kyuquot Sound, Vancouver Island; Summary Report 1913, pp. 109-126, Geological Survey of Canada.
- Spence, H.S.; Talc, Steatite, and Soapstone; Pyrophyllite; Rept. 803, pp. 131-135, Mines Branch, Ottawa, 1940.
- Annual Reports: 1920, p. 198; 1947, p. 223, Minister of Mines, British Columbia.
- Ries H., and Keele, J.; Clay and Shale Deposits of the Western Provinces; Mem. 24, pp. 148-150, Geol. Surv. of Canada, 1912.
- Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1973, p. 256.
- Muller, Northcote, and Carlisle; Geology and Mineral Deposits of Alert-Cape Scott Map-area; Paper 74-8, pp. 57, 61, Geol. Surv. of Canada, 1974.

## MAP REFERENCES

- Map 1763 G, Kyuquot, (Aeromag.), Sc. 1":1 mile.
- \*Map 92 L/3, Kyuquot, (Topo.), Sc. 1:50,000.
- #Mines and Mineral Occurrences of Alert Bay-Cape Scott area, Sc. 1:250,000, Fig. 15 - accomp. Paper 74-8, Geol. Surv. of Canada, 1974.
- Map 4-1974, Alert Bay-Cape Scott, (Geol.), Sc. 1:250,000 - accomp. Paper 74-8, Geol. Surv. of Canada, 1974.

## DESCRIPTION OF DEPOSIT (continued)

covers a surface area of 1 acre, and was estimated by Clapp (1913, p. 123) to contain about 100,000 tons of quartz-pyrophyllite above sea-level.

JAN 1972  
OCT 1975