

NAME OF PROPERTY

DEER TRAIL CLAIM, MORRIS

LOCATION

Deposit

Lat. 50°08'00" Long. 127°18'00"

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 Deer Trail claim covers a surface area of

p.t.o.

Associated minerals or products of value

HISTORY OF EXPLORATION AND DEVELOPMENT

The Deer Trail claim is located at the northwest end of a small peninsula between Kashutl and Easy Inlets, on Vancouver Island, about 200 miles northwest of Victoria. The Deer Trail claim along with the adjoining Morris and Snowstorm claims were staked about 1908 by The San Juan Mining and Manufacturing Company, Limited.

In 1911 some material was mined from the claim and used in the manufacture of polishing powders, soaps and cleansers. About 1925 the possibilities of using material from the deposit for ceramic products was investigated, but no development resulted. In 1937 it was reported that an effort was being made to work the deposits in the area as a source of ground pyrophyllite for use in the manufacture of paper, but again no development apparently resulted. 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."

The name of The San Juan Mining and Manufacturing Company Limited was changed October 25, 1923, to Alunite Chemical Corporation Limited. The charter of the company was cancelled January 20, 1938.

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, were carried out.

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HISTORY OF PRODUCTION

REFERENCES

- 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.
- 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, 60, 67, 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.
- Map 4-1974, Alert Bay-Cape Scott, (Geol.), Sc. 1:250,000 - accomp. Paper 74-8, Geol. Surv. of Canada, 1974.
- #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.

DESCRIPTION OF DEPOSIT (continued)

about 3 acres, and is estimated by Clapp (1913, p. 123) to contain about 400,000 tons of quartz-pyrophyllite above sea-level.