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Prop. File

Mr. K. B. Blakey,

DEPUTY MINISTER

July 12th

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PERIL BAY, O.C.I.

GEOLOGY:

The proposed Peril Bay Park is an area underlain by a sequence of relatively old rocks, basalt flows of the Triassic Karmutsen Formation and Triassic and Jurassic limestone and carbonaceous argillites, overlain unconformably by rhyolite ash flows of the Tertiary Masset Formation. The Triassic and Jurassic sedimentary rocks are relatively unmetamorphosed and in part are oil shales.

**MINERAL CLAIMS AND
PETROLEUM PERMITS:**

There are no valid mineral claims in the proposed Park area but it is completely covered by Petroleum Permit No. 2169.

MINERAL AND OIL POTENTIAL:

The mineral potential is very low but there is a slight oil potential. The Jurassic rocks are slightly petroliferous but there is a relatively thin section so that the potential is not great.

RECOMMENDATION:

The mineral reserve could be granted and a reserve could be imposed if Union Oil Co. of Canada Ltd., dropped its permit after the test on Port Louis.

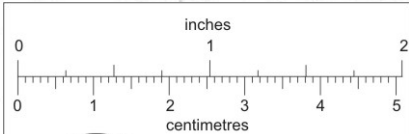
A. SUTHERLAND BROWN
Deputy Chief, Mineralogical Branch

ASB:bg

Encl: Map and legal description

PERIL BAY (GRAHAM ISLAND)

1. Frederick Island, Queen Charlotte District.
2. Commencing at a point on the high-water-mark of the western shoreline of Graham Island, said point being the northeast corner of Lot 1118, Queen Charlotte District; thence southerly along the eastern boundary of said Lot 1118 to the northwest corner of Lot 1117; thence easterly and southerly along the northerly and easterly boundaries of said Lot 1117 to the northeast corner of Lot 1114; thence southerly along the easterly boundary of said Lot 1114 to the southeast corner thereof; thence due south 40 chains; thence due west to the high-water-mark on the western shoreline of Graham Island; thence in a general north-easterly direction along the said high-water-mark to the northeast corner of Lot 1118, being the point of commencement; save and except Indian Reserve No. 17.



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C A N A D I A N

