

32879, 32880 July/90

GEOPHYSICAL REPORT ON EX AND EX NO. 1 FRACTIONAL CLAIM

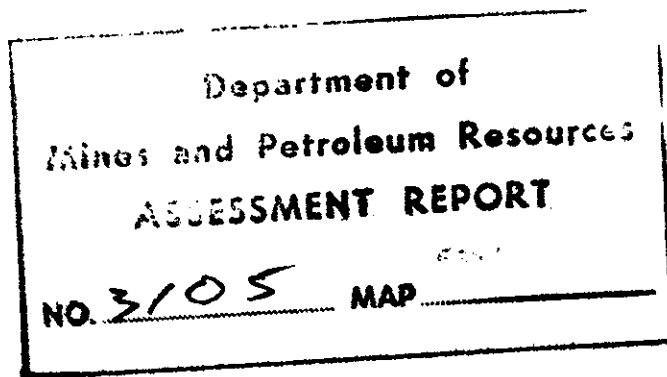
by J. M. Black, P.Eng.

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#1 Map



3105

INTRODUCTION

The claims are about $2\frac{1}{2}$ miles south of Kains Lake and are reached from a logging road by about 2 miles of rough trail.

The area is gently rolling southward. Into the surface, Wanokana Creek, which flows eastward, is slightly incised. Much of the area, especially in the south, is poorly drained and parts of it are treeless and may be described as muskeg.

A scintillometer survey was made of the claims. This ground had previously been covered by magnetic, geological, electromagnetic and geochemical surveys.

GEOPHYSICAL INSTRUMENT & METHODS

A Scintrex Gamma Ray Spectrometer G.I.S. 2 No. 807148 was used. This reads in counts per second. This instrument distinguishes between radioactivity from thorium, thorium + uranium, and these + potassium. The general level of radioactivity was low. Therefore, only the total count was read at each station. Traverses were made along blazed lines for the most part and readings were taken at all points shown on the accompanying map.

RESULTS & INTERPRETATION

As shown, the readings are generally low. No areas with markedly anomalous readings were found.

The readings are generally lower in the south where there are no outcrops and, presumably, the depth of overburden is greatest.

In the north, where the ground is higher and better drained, the readings tend to be higher. This is, presumably, because bedrock is closer to the surface. This was also noticed near Wanokana Creek, where readings are higher in the east, which is an area with outcrops.

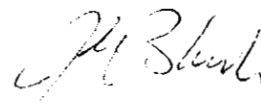
In the north, also, it was noted that readings were lower in muskeg areas where, presumably, bedrock is deeper.

Some lines of equal intensity at ten counts per second are indicated on the sketch map.

Near outcrops, the rock is not markedly radioactive. Away from the outcrops, the depth of overburden is sufficient to mask completely any areas or zones of higher radioactivity.

EMPLOYMENT

The work was done by J. M. Black, P.Eng. on the following dates: July 9, $\frac{1}{2}$ day; July 10, 1970 and July 6, 1971.



J. M. Black, P.Eng.
July 6, 1971

DOMINION OF CANADA:
PROVINCE OF BRITISH COLUMBIA:
TO WIT:

In the Matter of

525 - MINING RECORDER
RECEIVED
1971
VANCOUVER, B. C.

I, J. M. BLACK
of North Vancouver

in the Province of British Columbia, do solemnly declare that the following costs were incurred in making a geophysical survey of the Ex and Ex #1 Fractional Claims Nanaimo Mining Division

J. M. Black	2 1/2 days @ \$100	\$ 250
Rental of scintillometer	2 days @ 20	40
Rental of V-drive	2 days @ 15	30
Board	1 1/2 days @ 12	18
	<u>Total</u>	<u>\$ 338</u>

And I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath and by virtue of the "Canada Evidence Act."

Declared before me at the City of Vancouver, in the Province of British Columbia, this 7th day of July, 1971, A.D.

J. Phillips
A Commissioner for taking Affidavits within British Columbia or
A Notary Public in and for the Province of British Columbia.

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 3105 MAP #1

Scintillometer Survey
Ex and Ex Not Fractional Claim
NANAIMO MINING DIVISION
To accompany geophysical report by J.M. Black P.Eng.
Scale 1" = 200 ft July 4, 1971
C.S. = counts per second

3105

M-1

J.M. Black

