

GEOLOGICAL REPORT

ON THE

BLUE CREEK MINERAL CLAIMS

(51°, 122° S.W.)

YALAKOM RIVER AREA

LILLOOET MINING DIVISION, B.C.

BY

W.R. Bacon, Ph.D., P. Eng.

Vancouver, B.C.

July 16, 1969



# TABLE OF CONTENTS

	page
INTRODUCTION	1
ACCESS	1
GEOLOGY	1
CONCLUSIONS	2
FINANCIAL STATEMENT	3

MAPS

Property Location Map

Geologic Map of the Blue Creek Mineral Claims Frontispiece

In Pocket at Back of Report

### INTRODUCTION

This report concerns six mineral claims, Blue Creek Nos. 1 - 6, that have been grouped as the Blue Creek claim group.

The claims are near the headwaters of the Yalakom River in the Lillooet Mining Division. More precisely, they cover an area traversed by an unnamed tributary of Blue Creek, which in turn empties into the Yalakom River.

The claims are in the area of G.S.C. map sheet No. 29 -1963 - in the unmapped southeastern part of this map.

Nephrite jade occurs in place and as boulders in the Blue Creek area as well as in the adjoining Yalakom and Bridge River areas. The purpose of the geological work was to ascertain if possible whether commercial amounts of this material appeared to be present on the mineral claims under consideration.

## ACCESS

The claim group may be reached by 45 miles of road from Lillooet. The 23 miles of dirt road from Moha, at the junction of the Bridge and Yalakom Rivers, is normally passable by two-wheel drive vehicles.

## GEOLOGY

Traverses were run along an unnamed creek on Blue Creek No. 3 claim and up a steep mountain ridge on Blue Creek No. 4 and No. 5 claims. Two distinct rock types were observed and mapped. One is a light coloured, medium-grained granite, the other a dark greenishblack, serpentinized ultrabasic rock which closely resembles a peridotite. This rock is more abundant than the granite.

In one locality, high up on the East bank of the unnamed creek, a small pod of nephrite jade was found in the serpentine environment. It is also in close proximity to granitic outcrops. The nephrite found here exhibits a nodular structure, is translucent, and generally mottled greenish in appearance.

Further downstream, in the bed of the creek, a 3,000 pound boulder of jade was observed. It did not appear to be of exceptional quality.

No sulphides were observed in any of the outcrops. Magnetite, however, occurs in most of the ultrabasic rock outcrops; its presence is readily detectable with a pocket magnet.

### CONCLUSIONS

The association of nephrite with serpentinized ultrabasic rocks is as well established as any relationship in geology. There is evidence of this situation on the Blue Creek mineral claims.

On the other hand only a small pod of apparently substandard quality nephrite was observed during the course of this examination. It is going to be necessary, therefore, to prospect the area thoroughly in order to ascertain whether economic amounts of good quality nephrite are present. Additional geological mapping is also advisable.

- 2 -

- 3 -	SCO MIMING RECORDER
FINANCIAL STATEMENT	JUI 17 1969 M.R. <u># 3.1766 &amp;</u> Vancouver, B. C.
Camp Supplies, Food for 2 Men	\$ 15.00
Rental 4 Wheel Drive Vehicle 3 days @ \$18.00/day	54.00
Mileage, 416 miles @12¢/mile	50.00
Gas Consumption	13.00
Sub Total	132.00
W.R. Bacon, Ph.D., P. Eng. One day's professional services	150.00
G.D. Delane, B.Sc. Four days (June 30 - July 2 inc.)	400.00 June 30 July 1 550.00 July 2
Sub Total	550.00 July 2

TOTAL

\$682.00

W.R. Bacon, P. Eng.

Declared before me at the City WRB/gp Vancouvel , in the of 100

Province of British Columbia, this 77

day of July, 1969

, A.D.

A Commissioner for taking Affidavits within British Columbia or A Notary Public in and for the Province of British Columbia, Sub-mining Recorder

atte

