# 6317

ASSESSMENT GEOLOGICAL REPORT
ON

HAVE MINERAL CLAIM

LAT. 51° 33'N, LONG. 119° 48'W

KAMLOOPS MINING DIVISION

JUNE 20, 1977

OWNER: JOSEPH T. MILLER

JOHN H. KRUZICK, B.Sc.

COQUITLAM, B.C.

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT

NO.\_\_\_\_

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### INTRODUCTION

### GENERAL:

During June 5th to June 16th, 1977 the writer working with an assistant conducted a geological mapping and prospecting program on the Have Mineral Claim. The survey and report was done at the request of Joseph T. Miller of Calgary, Alberta and all costs incurred were paid by Mr. Miller. A total of \$2322.50 was expended on the program.

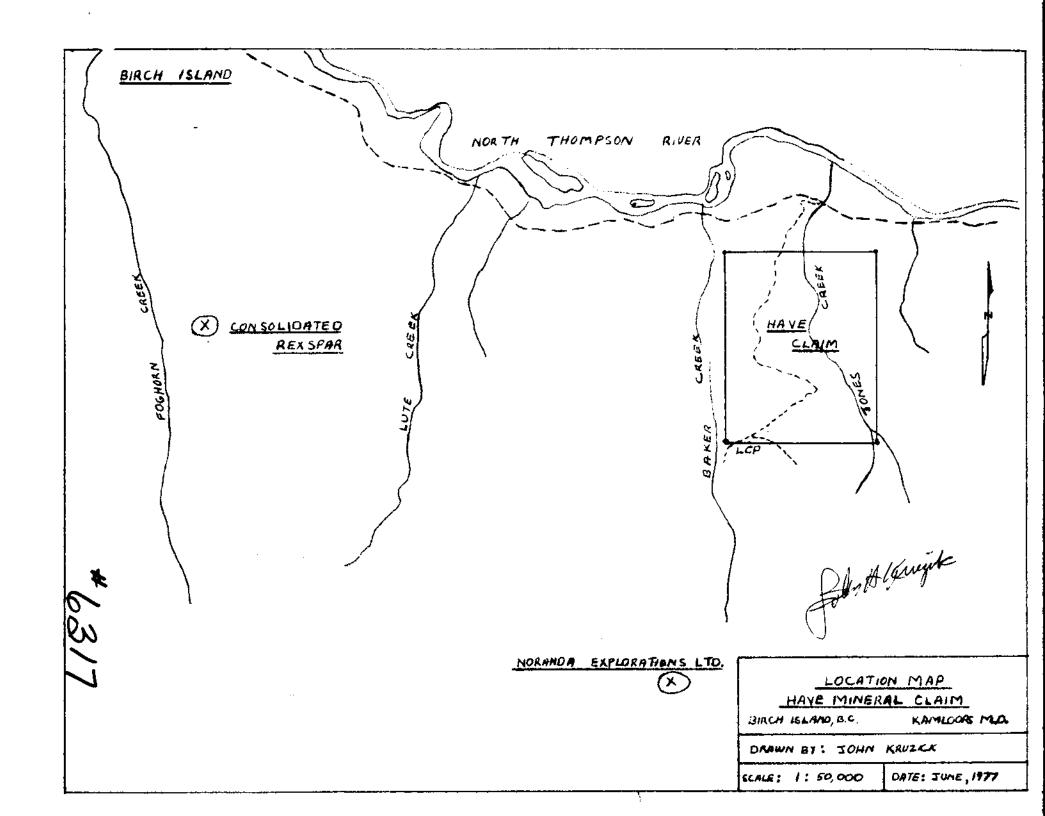
### PROPERTY: Refer to Location Map

The Have Mineral Claim, consisting of 20 metric units, was staked under the Modified Grid System on June 3rd & 4th, 1976 and recorded on June 29th, 1976, for Joseph T. Miller. The Legal Corner Post carries the Metal Tag Number 11319, and the Record Number assigned is 431(6). The claim configuration is 5 unit length north and 4 unit length east.

### LOCATION AND ACCESS:

Mountains, approximately 6 miles southeast of the Birch Island townsite. The claim lies between Baker Creek and Jones Creek with it's northern boundary approximately 1 mile south of the North Thompson River. The elevations range from 1750 ft. to 3600 ft. above sea level, on a north slopping moderate to steep topography, covered by dense vegetation and extensive overburden. Outcrop is limited to two percent of the claim area.

Access to the property from Birch Island is by way of a all weather gravelled road which parallels the south bank of the North Thompson River. At Jones Creek this road intersects a logging road which travels south up the hillside to the Have Claim.



### DESCRIPTION OF WORK DONE

The geological survey and prospecting carried out on the Have Claim consisted of geological mapping, prospecting with a spectrometer and geochemical sampling. Geological mapping was conducted over all rock exposures using a topographic map, claim posts and a chain and compass for control. The entire claim area was traversed, and all rock outcrops encountered were mapped and tested for radioactivity, using a McPhar TV-1A Reconnaissance Spectrometer.

Prospecting with the Spectrometer was carried out in areas not traversed during geological mapping, and along East-West claim grid lines.

Geochemical sampling was conducted on all drainages encountered during the prospecting and geological mapping.

Both stream silt samples and stream water samples were taken and analyzed for uranium content.

### GEOLOGY AND SULPHIDE MINERALIZATION

### Refer to Property Geology Map

The Have Claim is underlain predominantly by

Permian Metamorphic rocks, and older Shuswap Metamorphics.

The Permian Metamorphics consist mainly of Quartz Sericite

Schist, Quartz Chlorite Schist and Quartz Muscovite Schist

with graphitic lenses. The Shuswap Metamorphic rocks

encountered in two areas on the property are well foliated

Gneissic Granites with feldspar phenocyrsts. Rock outcrop

on the property is limited to two percent of the claim area,

and the best exposures encountered were along the creeks

and road cuts.

The Permian Schists are well foliated with a general East-West strike, having a shallow to moderate northerly dip. The Shuswap Metamorphic rocks were noted to have an East-West strike with a very shallow dip to the north. No contact between the two rock units was observed in the field.

The only Sulphide Mineralization noted in the outcrops mapped was minor disseminations of Pyrite with limonite pits and staining in the Permian Schists. In one location on a road cut, malachite was noted along foliation planes in a Quartz Sericite Schist. No sulphide mineralization was encountered in the Shuswap rocks.

### RADICMETRIC SURVEY AND GEOCHEMICAL RESULTS

## Refer to Property Geology Map

Continuous radiometric readings were taken during the geological mapping and the prospecting traverses. A base station reading was taken off the property, and used to tie in. The background reading for the area was 50 - 60 counts per minute. Minor fluctuations during the traverses were noted but no anomolous areas were encountered.

The location and values of the geochemical silt samples and water samples, taken along drainages on the property, are plotted on the Geology Map. No significant geochemical expression was obtained from these samples.

### CCNCLUSIONS

Geological mapping has outlined two rock units on the property, namely the Permian Schist and the Shuswap Metamorphic Complex. Some minor copper mineralization was noted in a Quartz Sericite Schist, which is known to host a large low grade copper deposit in the area. Lack of outcrop renders geological mapping very difficult.

The radiometric survey and the geochemical sampling did not give any anomolous values on the property. The extensive deep overburden poses problems for obtaining valid geochemical and radiometric expression from the underlying rock.

Respectfully submitted,

Felan Hayun

John H. Kruzick, B.Sc.

June 20, 1977

### CERTIFICATE

I, John H. Kruzick, of 2000 Arbury Ave., Coquitlam, B.C., do hereby certify that:

- I am a graduate geologist of the University of British Columbia, (B.Sc., 1969).
- I am a member of the Geological Association of Canada.
- I have been actively engaged in mineral exploration since my graduation.
- I have been self-employed as a geologist in the mineral exploration field since January, 1972.

Respectfully submitted,

John H. Kruzick, B.Sc.

Jolen H Cruzulo

June 20, 1977

# COST STATEMENT

(1)	Crew Wages:	
	One Geologist @ \$190/day - 10 days One Assistant @ 60/day - 7 days	\$1,000.00 420.00
(2)	Transportation - Truck Rental (4x4)	200.00
(3)	Travel, Accommodations and Meals	240.00
(4)	Equipment Rental:	
	McPhar TV-1A Spectrometer Power Saw	100.00
(5)	Geochemical Analyses	72.50
(6)	Preparation of Geological Report and Maps	250.00
	TOTAL	\$2,322.50



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# Certificate of Geochemical Analyses

-IN ACCOUNT WITH-

Mr. John Kruzick 2000 Arbury Ave.

Coquitian, B.C. V3J 3KI

Attention:

Report No: Samples Arrived: 77 01 009

Page **1** of **1** 

June 15, 1977

Report Completed: June 17, 1977

For Project:

Analyst:

S.C.

Invoice# 4180

Job# 77 054

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REMARKS: water samples in ppb, soil samples in ppm.

Signed:

ind = none detected

