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PRELIMINARY GEOLOGICAL REPORT

"OMINECA" SHOW (Copper)

OMINECA MINING DIVISION, B.C.

For

Mr. R.M. Tait

Toru Kikuchi, Ph.D., P. Eng.

Consulting Geological Engineer

October 3rd, 1969.

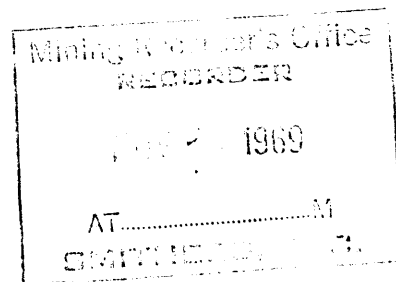
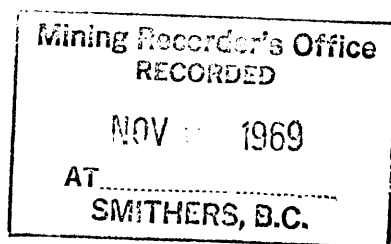
Vancouver, B.C.

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With one illustration.



PRELIMINARY GEOLOGICAL REPORT
"OMINECA" SHOW (Copper)
OMINECA MINING DIVISION, B.C.

I. INTRODUCTION AND GENERAL STATEMENT

At the request of Mr. R.M. Tait, North Vancouver, B.C., the writer was at the property on September 11th, 1969, in the company of Mr. Tait for preliminary geological investigation.

The following geological reference is used:-

J.E. Armstrong: FORT ST. JAMES MAP-AREA
CASSIAR AND COAST DISTRICTS
BRITISH COLUMBIA
G.S.C. Memoir 252, 1965

The property is located at approximately $55^{\circ} 43' N$ and $125^{\circ} 15' W$, about 105 air miles northwest of Fort St. James, B.C., between 4,500' - 6,000' elevation, at the northeast (steep) slope of the ridge. Highway No. 27 divides two ways at a point about 107 road miles from Fort St. James and reaches the showing on both the north and south sides of it. The closest points are about 8 miles away from the showing and about 30 road miles from the division point. (See the attached map.)

These disseminated copper showings were originally discovered and staked by R.M. Tait in 1965. He restaked them in 1968.

The mineral claims which cover the showings and are investigated at this time are:-

CHEM 1 - 6 inclusive

CIRQUE 1 - 6 inclusive

GAV 1 - 9 inclusive

SLOPE 1 and 2

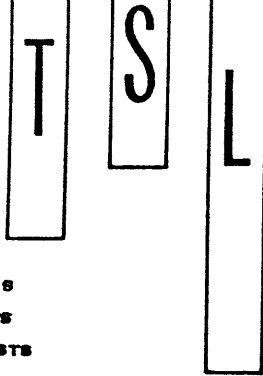
(23 claims in total)

II. GEOLOGY, MINERALIZATION AND ORE DEPOSIT

The so-called "Takla Group" of Upper Triassic and Jurassic as the underlying formation, and the so-called "Omineca Intrusions" of Upper Jurassic or Lower Cretaceous, and the contact (hybrid) zone of both rocks appear in the area.

Takla Group of the area mainly consists of andesite and Omineca Intrusions mainly consist of granite, diorite and monzonite. The contact zone of both above mentioned rocks runs through the property, striking generally N 30° E with a width about some hundred feet. The zone, which is the host rock of disseminated copper mineralization of the property, consists of hybrid rocks between the two groups above mentioned, that is, physically and/or chemically mixed rocks of andesitic rock and granitic rock.

The disseminated copper showings appear everywhere on the steep slope of the mountain the claims as shown on the attached map. Three chip samples were taken by the writer from the area almost at the center of the claim group. These represent some cut of the disseminated copper showings. Their assay result and the cut-length are shown on the next page.



Laboratories Limited

325 HOWE STREET - VANCOUVER 1, B.C.

TELEPHONE 688-3504

ASSAYERS
CHEMISTS
GEOCHEMISTS

CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM DR. TORU KIKUCHI

REPORT NO.
V-6738

SAMPLE(S) OF ROCK

Sample No.	Copper (Cu)%	Cut-length
0S-1	0.84	10'
0S-2	0.36	12'
0S-3	1.56	7'

Toru Kikuchi

DATE September 19, 1969.

SIGNED *R.B. Ditcher*

PULP AND REJECTS DISCARDED AFTER 3 MONTHS

DIVISION OF TECHNICAL SERVICE LABORATORIES

The ore-forming mineral is mainly chalcopyrite, with some bornite. Not much magnetite and/or pyrite were found by the writer. As gangues, calcite, quartz, K-spar, chlorite and skarn-minerals are seen beside much of the hybrid rocks.

III. CONCLUSION AND RECOMMENDATION

Some kind of disseminated copper deposit, that means low grade and huge tonnage, has been found in the property. Many disseminated copper showings are known already. These showings which seem to be located inside a mineralized hybrid zone, indicate and suggest a large potentiality for an economical copper deposit. The relationship and combination of these showings should be clarified to find out the copper concentrated part among them.

The following is recommended for this purpose:-

FIRST STAGE PROGRAM

- | | |
|---|-----------------|
| 1. Prepare Topographic Map (1" = 500') using the Government's air photos (Contract in Vancouver) | \$ 1,500.00 |
| 2. Contract geological mapping, rock sampling by a geologist and a helper for three weeks (including transportation and supplies) | 3,000.00 |
| 3. Assay fees (rock and soil) for the above | <u>2,000.00</u> |
| Total | \$ 6,500.00 |

SECOND STAGE PROGRAM

The second stage program should be carried out after consideration of the results of the first stage program.

1. Cat road building from the highway to the property
2. Setting up exploration camp.
3. Cat trenching.
4. Some diamond drill holes

	Total	<u>\$30,000.00</u>
	Grand Total	<u><u>\$36,500.00</u></u>

Respectfully submitted,



Toru Kikuchi, Ph.D., P. Eng.
Consulting Geological Engineer.

Vancouver, B.C.

October 3rd, 1969.

STATEMENT OF QUALIFICATIONS

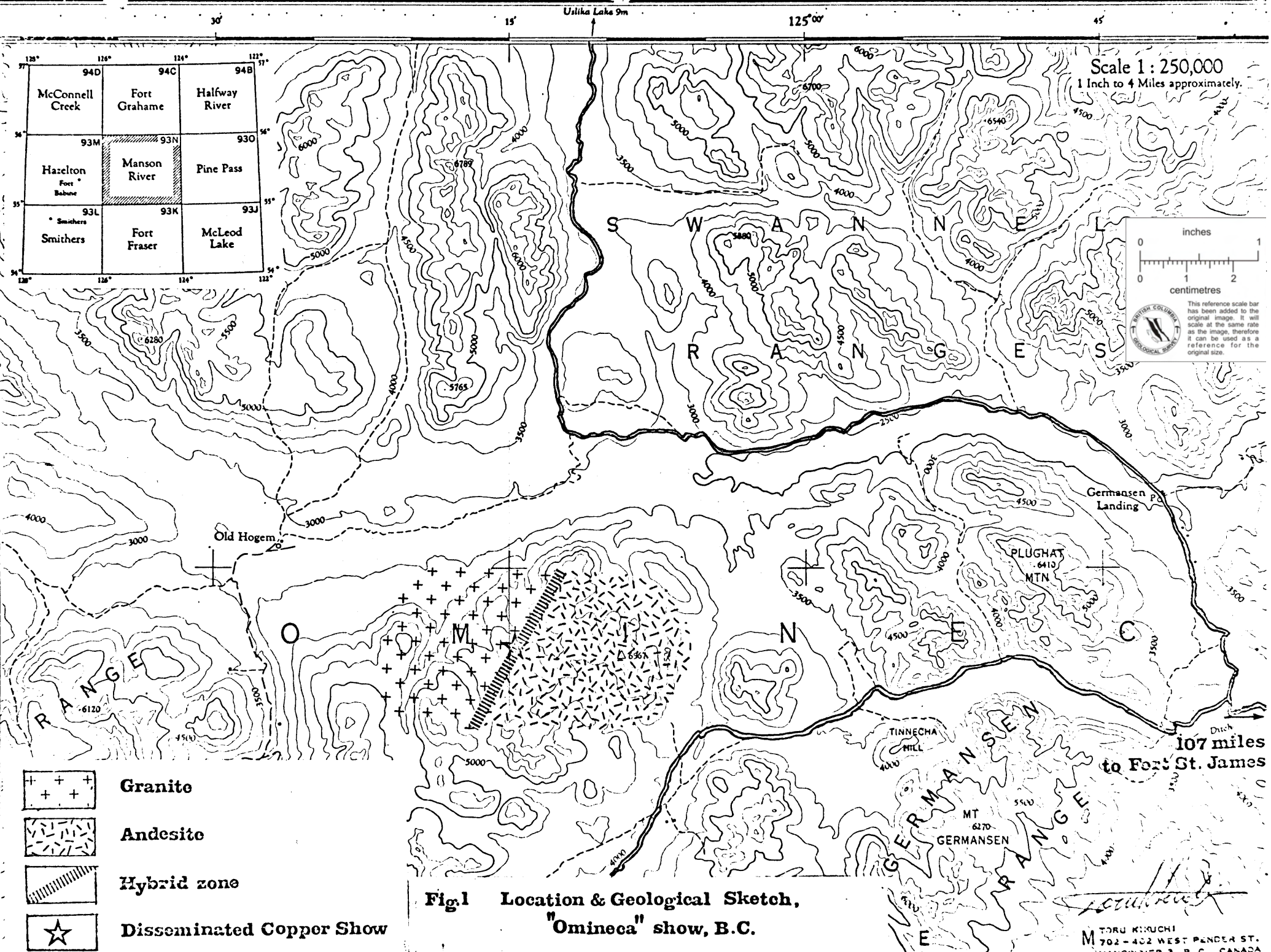
I, Toru Kikuchi of the City of Vancouver, B.C. hereby certify that:-

1. I am a graduate of the Hokkaido University, Japan (B.Sc., Geology and Minerology, 1946) and of the Tohoku University, Japan (Ph.D., Economic Geology, 1963).
2. I am a "GIJUTSUSHI" (a qualification for a consulting engineer authorized by the Japanese Government) and a member in good standing of the Association of Professional Engineers of the Province of British Columbia and of the Yukon Territory.
3. I am a member of The Society of Mining Geologists of Japan, and of the Canadian Institute of Mining and Metallurgy and of the Engineering Institute of Canada.
4. I have been practising my profession continuously for the past twenty-three years, and am an independent Consulting Geological Engineer with my office at Room 702 - 402 West Pender Street, Vancouver 3, B.C.
5. I have no direct or indirect interest in the property, nor do I anticipate receiving any such interest.
6. This report is based on my personal study and work at the property on September 11th, 1969.



Toru Kikuchi, P. Eng.

Vancouver, B.C.
October 3rd, 1969.



Scale 1 : 250,000
1 Inch to 4 Miles approximately.

inches
0 1

centimetres
0 1 2

This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.

Fig. 1 Location & Geological Sketch,
"Omineca" show, B.C.

TORU KIKUCHI
M 702-402 WEST PENDER ST.
VANCOUVER 3, B.C. CANADA