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PRELIMINARY GEOLOGICAL REPORT  
A-1 to 16 inclusive, B-1 to 16  
inclusive, C-1 to 6 inclusive  
and O-1 to 4 inclusive Mineral  
Claims, Kamloops M.D., B.C.

Toru Kikuchi,

Oct. 9/70 Report 96-1 PH.D., P. Eng.

PRELIMINARY GEOLOGICAL REPORT  
A-1 to 16 inclusive, B-1 to 16  
inclusive, C-1 to 6 inclusive  
and O-1 to 4 inclusive Mineral  
Claims, KAMLOOPS M.D., B.C.

Location: 50°, 121°, NW

Owners: Mr. Frank Bull  
Mr. John Holzer

For

Cyprus Exploration Corporation Ltd.

Toru Kikuchi, P. Eng.

Consulting Geological Engineer

October 9th, 1970.

Report No. 96-1

Vancouver, B.C.

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PRELIMINARY GEOLOGICAL REPORT  
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I. INTRODUCTION AND GENERAL SITUATION

At the request of Mr. Paul Sawyer, Cyprus Exploration Corporation Ltd., the writer was on the property, in the company of Mr. Frank Bull, 45385 Westview Ave., Chilliwack, B.C., one of the claim owners, on September 29th, 1970, to make a preliminary investigation as to its further consideration. This report, therefore, is being written for Cyprus Exploration Corporation Ltd., and not for the claim owner.

The showings have been known from olden times, and some mineral claims were staked intermittently until recent years. Mr. Frank Bull, Chilliwack, B.C. and Mr. John Holzer, Lytton, B.C. -- both are 50% - 50% owners -- located and recorded the claims set forth herein in 1969 and 1970. The claims are situated as in Table 96-1-1 on the following page as of the date of this report according to the claim owners.



Table 96-1-1 Claim Situation

Claim Name	Record No.	Claim Name	Record No.	Claim Name	Record No.
A- 1	81352G	B- 1	81368G	C- 1	663261
A- 2	81353G	B- 2	81369G	C- 2	553262
A- 3	81354G	B- 3	81370G	C- 3	553263
A- 4	81355G	B- 4	81371G	C- 4	553264
A- 5	81356G	B- 5	81372G	C- 5	553265
A- 6	81357G	B- 6	81373G	C- 6	553266
A- 7	81358G	B- 7	81374G		
A- 8	81359G	B- 8	81376G		
A- 9	81360G	B- 9	81376G	O- 1	553243
A-10	81361G	B-10	81377G	O- 2	553244
A-11	81362G	B-11	81378G	O- 3	553245
A-12	81363G	B-12	81379G	O- 4	553246
A-13	81364G	B-13	81380G		
A-14	81365G	B-14	81381G		
A-15	81366G	B-15	81382G		
A-16	81367G	B-16	81383G		

Total 42 claims

All these 42 claims are adjacent as shown in Fig. 96-1-4.

The property is located at approximately 50° 30' - 31' N (latitude) and 121° 39' - 40' W (longitude), about 20 airmiles NNW of Lytton, B.C. between 2,000' and 5,500' elevation. The property is covered by vegetation. There is a steep hill at the eastern part of the property. The climate of the area is mild and semi-dry, having not much snow in the winter.

An access road of approximately 2.5 miles, too narrow to accomodate a big truck, has been completed by the owners from the highway No. 12 junction which is 20 road miles north of Lytton along the highway. No other road has been made on the property, and it takes about 3 - 4 hours climb (about 2 miles trail distance and 2,500 feet difference in elevation) to see the showings at the high elevation.

No prior work has been done and no report is available.

## II. GEOLOGY AND COPPER MINERALIZATION

The sole geological report of this region is Memoir No. 262 (1951) of Geological Survey of Canada and its map, 1010A, made by S. Duffell and K.C. Taggart.

According to the above mentioned Memoir and the writer's investigation, some Palaeozoic limestone, only at the southwestern corner, as the underlying formation, some volcanics, mainly green andesite, of the Lillooet Group, Mesozoic, and some granitic intrusive of Mesozoic, mainly in the northeastern part, appear in the property area.

The Palaeozoic limestone is seen at the bed of McGillivray Creek between Highway No. 12 and Claim A-1. (See Fig. 96-1-4.)

The major rock, green andesite of the Lillooet Group of Mesozoic, is seen all through the claim area. The boundary of the limestone and the andesite is not seen along the access road. (See Fig. 96-1-4.). The andesite is very hard and compact, having some joint systems.

Much float of granitic rock is seen along McGillivray Creek, indicating some granite outcrop should be present upstream, which the writer did not see this time.

A fault system, NNE direction, was considered by the writer in the eastern part of the property area (see Fig. 96-1-4), having a relation with the zone of copper showings described below.

Very fine magnetite and/or pyrite dissemination, including some massive magnetite and/or pyrite also sometimes, is seen all through the andesite, not only along cracks but also inside the andesite itself, not being associated with highly altered material. None of them seems to be economically important.

A small amount of chalcopyrite with green copper is seen along a zone of the showing, NNE direction, in the claims C-2, C-4 and C-6, associated with pyrite, calcite and quartz. This zone seems to be the same zone of fault in the andesite area (See Fig. 96-1-4). That is, the copper mineralization should have occurred along the fault. Chalcopyrite is seen usually just along a small crack and is not impregnated inside andesite. The copper shows are very small, from an inch to a few feet in size, with no connection between them. This means the copper mineralization is not strong enough.

The writer was told that some aluminum-rich rock was found at the northern part of the claim area, but as he did not see it is unable to give an opinion on it.

### III. CONCLUSION AND RECOMMENDATION

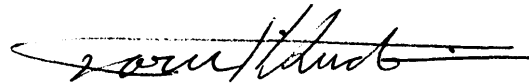
Some kind of copper mineralization was seen at the property, that is some chalcopyrite is seen along cracks of andesite, inside its fault zone. However, it seems to the writer to be not large enough to be of interest to Cyprus Exploration Corporation Ltd.

No particular recommendation for Cyprus Exploration Corporation Ltd. will be made at the moment, except to suggest that they pass on to the claim owners the following suggestions:

- 2) There is very much pyrite and magnetite dissemination all through the andesite, and so they must be careful to use magnetic and I.P. survey for any further exploration.
- b) A road from the bottom of the creek up to the showings is the first essential.

- c) Not much money should be spent before careful geological mapping covering the whole property.

Respectfully submitted,

A handwritten signature in cursive script, appearing to read 'Toru Kikuchi', written over a horizontal line.

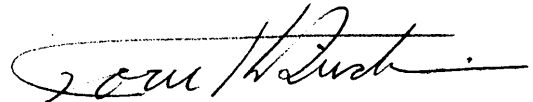
Toru Kikuchi, P. Eng.

Vancouver, B.C.  
October 9, 1970.

STATEMENT OF QUALIFICATIONS

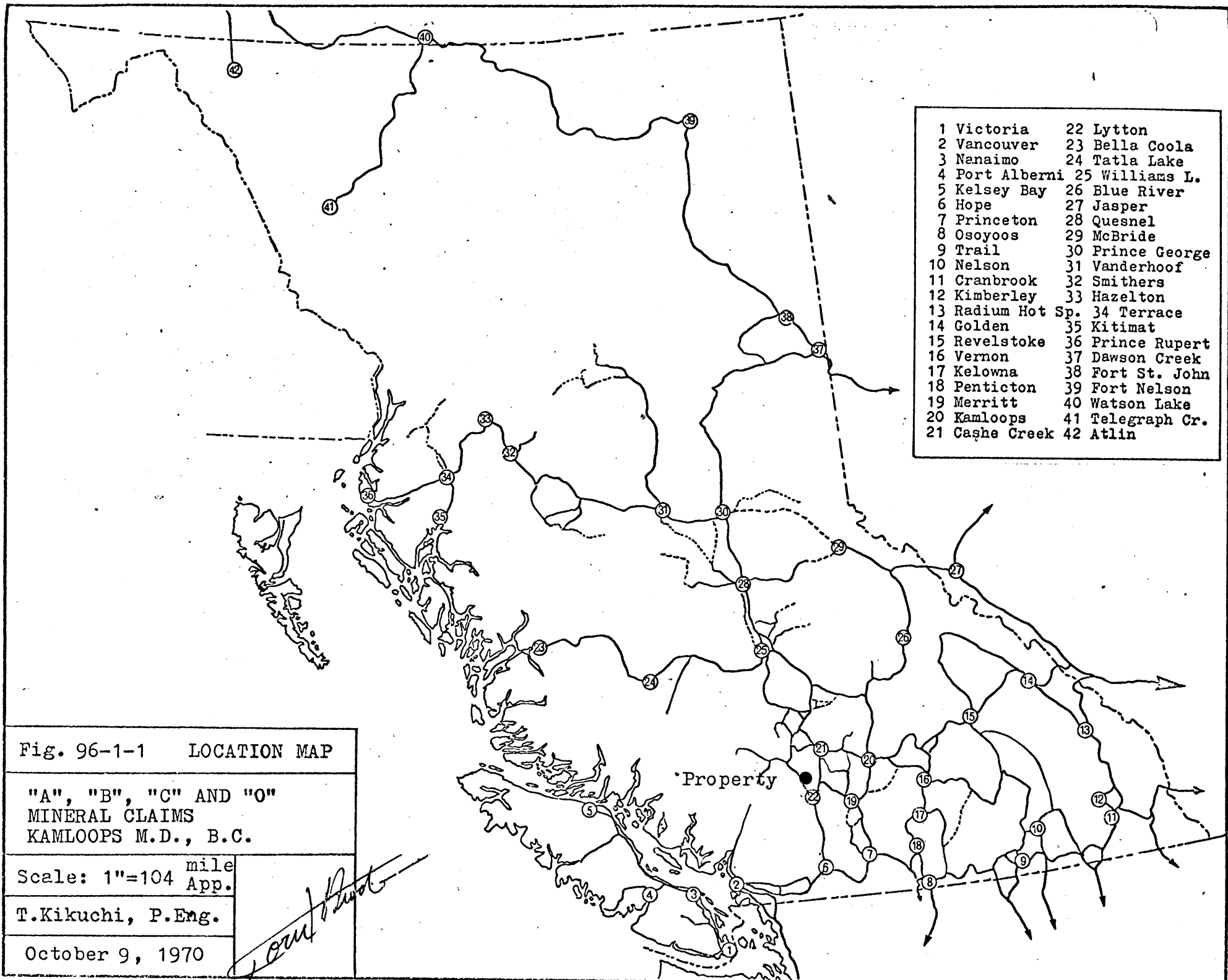
I, Toru Kikuchi of the City of Vancouver, B.C., hereby certify that:-

1. I am a graduate of the Hokkaido University, Japan (B.Sc., Geology and Mineralogy, 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.
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 1374 Park Drive, Vancouver 14, 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 29th, 1970.



Toru Kikuchi, P. Eng.

Vancouver, B.C.  
October 9th, 1970.



- |                   |                  |
|-------------------|------------------|
| 1 Victoria        | 22 Lytton        |
| 2 Vancouver       | 23 Bella Coola   |
| 3 Nanaimo         | 24 Tatla Lake    |
| 4 Port Alberni    | 25 Williams L.   |
| 5 Kelsey Bay      | 26 Blue River    |
| 6 Hope            | 27 Jasper        |
| 7 Princeton       | 28 Quesnel       |
| 8 Osoyoos         | 29 McBride       |
| 9 Trail           | 30 Prince George |
| 10 Nelson         | 31 Vanderhoof    |
| 11 Cranbrook      | 32 Smithers      |
| 12 Kimberley      | 33 Hazelton      |
| 13 Radium Hot Sp. | 34 Terrace       |
| 14 Golden         | 35 Kitimat       |
| 15 Revelstoke     | 36 Prince Rupert |
| 16 Vernon         | 37 Dawson Creek  |
| 17 Kelowna        | 38 Fort St. John |
| 18 Penticton      | 39 Fort Nelson   |
| 19 Merritt        | 40 Watson Lake   |
| 20 Kamloops       | 41 Telegraph Cr. |
| 21 Cache Creek    | 42 Atlin         |

Fig. 96-1-1 LOCATION MAP

"A", "B", "C" AND "O"  
MINERAL CLAIMS  
KAMLOOPS M.D., B.C.

Scale: 1"=104 mile  
App.

T.Kikuchi, P.Eng.

October 9, 1970

*Tom Rust*



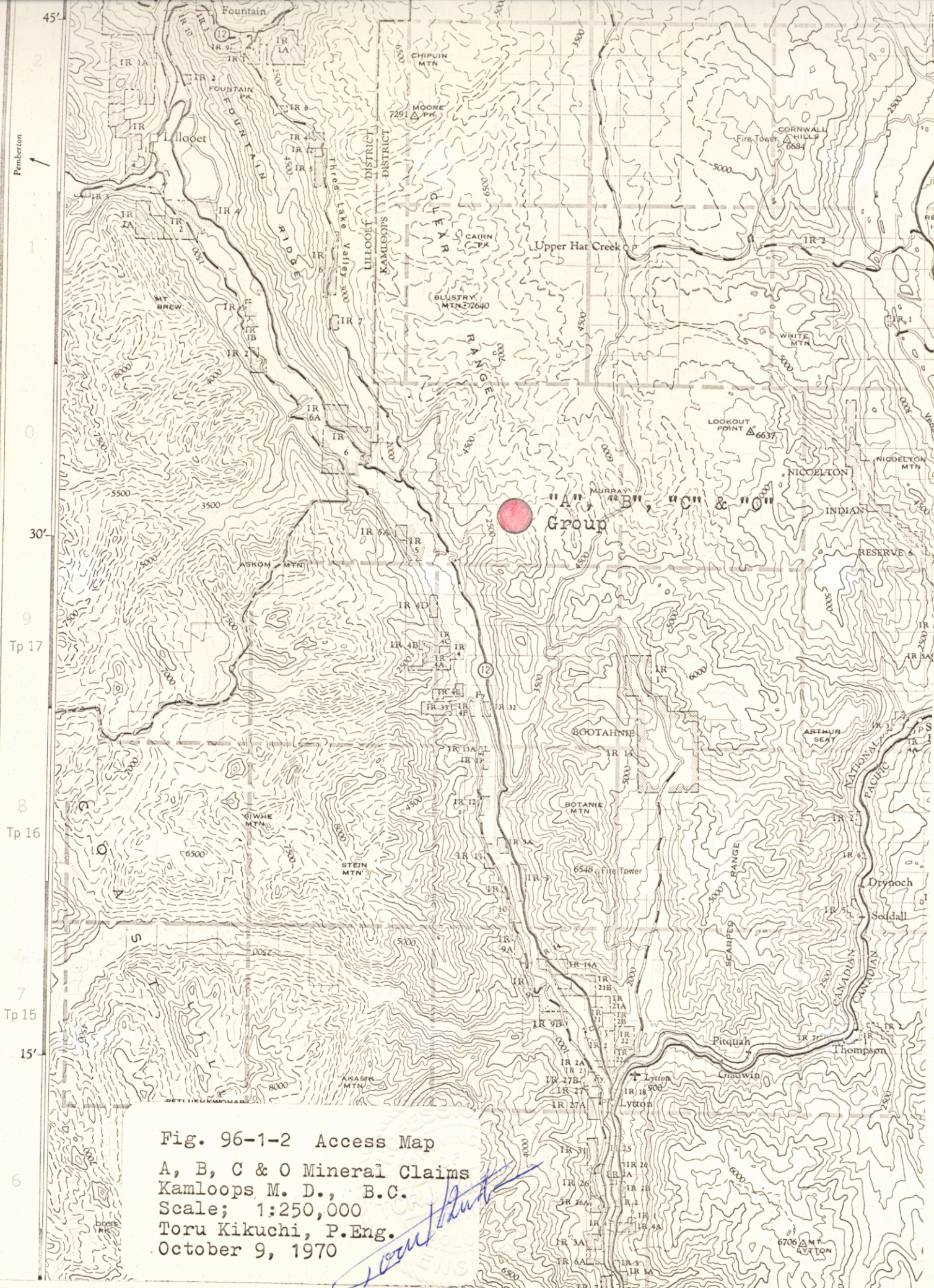


Fig. 96-1-2 Access Map  
 A, B, C & O Mineral Claims  
 Kamloops M. D., B.C.  
 Scale; 1:250,000  
 Toru Kikuchi, P.Eng.  
 October 9, 1970

*Toru Kikuchi*



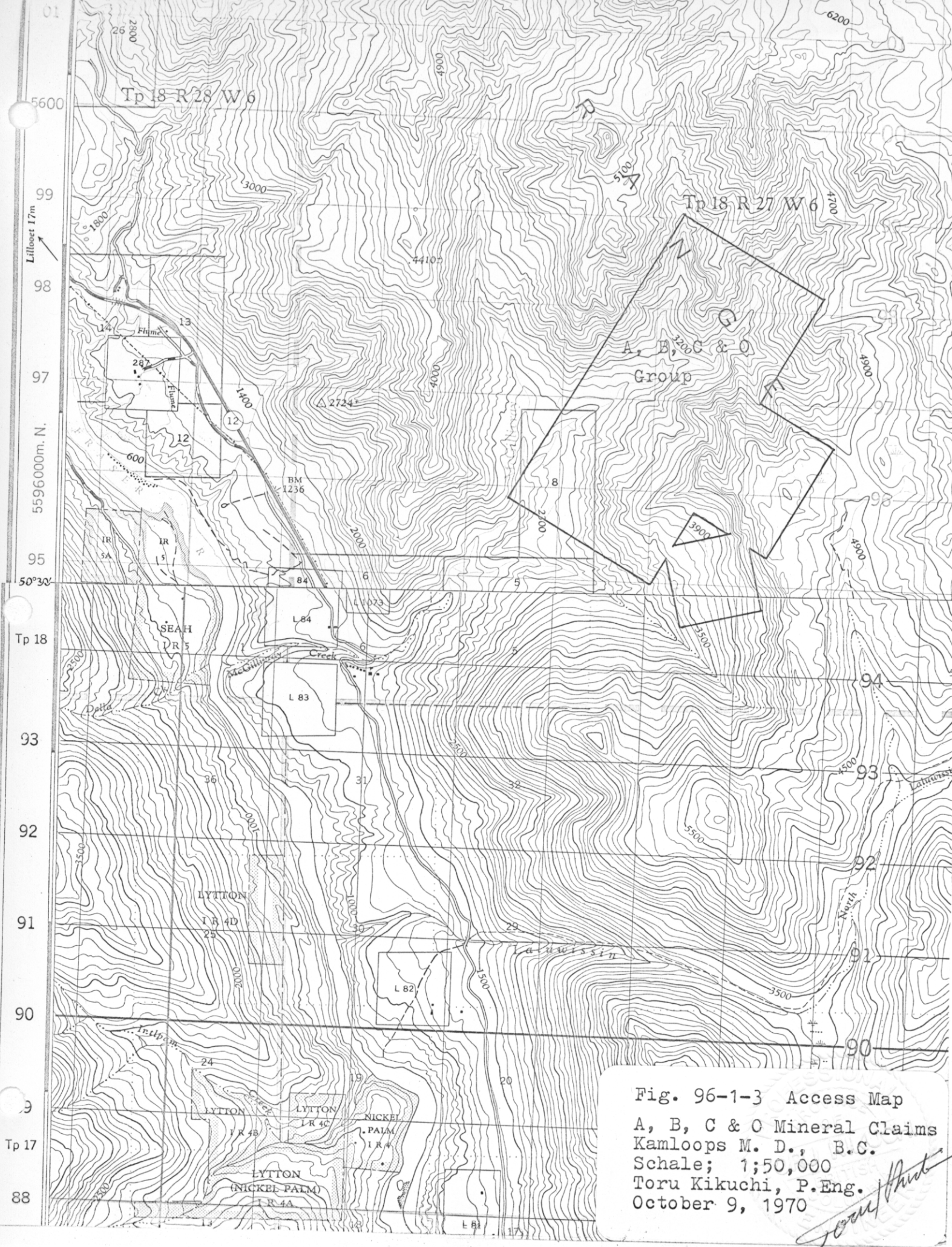




Fig. 96-1-3 Access Map  
 A, B, C & O Mineral Claims  
 Kamloops M. D., B.C.  
 Schale; 1:50,000  
 Toru Kikuchi, P.Eng.  
 October 9, 1970

*Toru Kikuchi*



Legend

-  Fault, possible
-  Zone of Cu shows
- x Cut

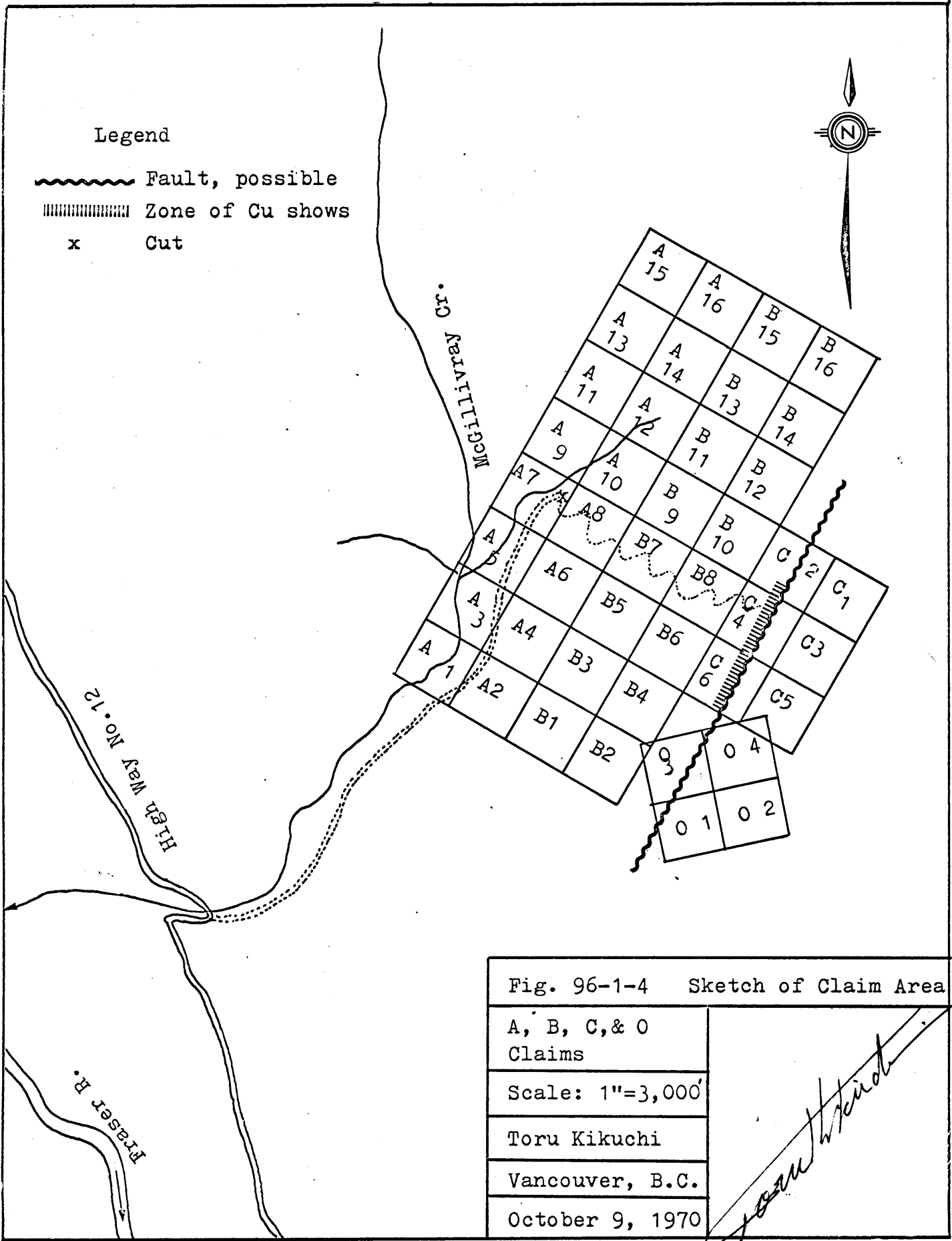


Fig. 96-1-4 Sketch of Claim Area

A, B, C, & O  
Claims

Scale: 1"=3,000'

Toru Kikuchi

Vancouver, B.C.

October 9, 1970

*Toru Kikuchi*