

4420

ASSESSMENT REPORT

ON THE

AL CLAIMS

SIMILKAMEEN M.D.

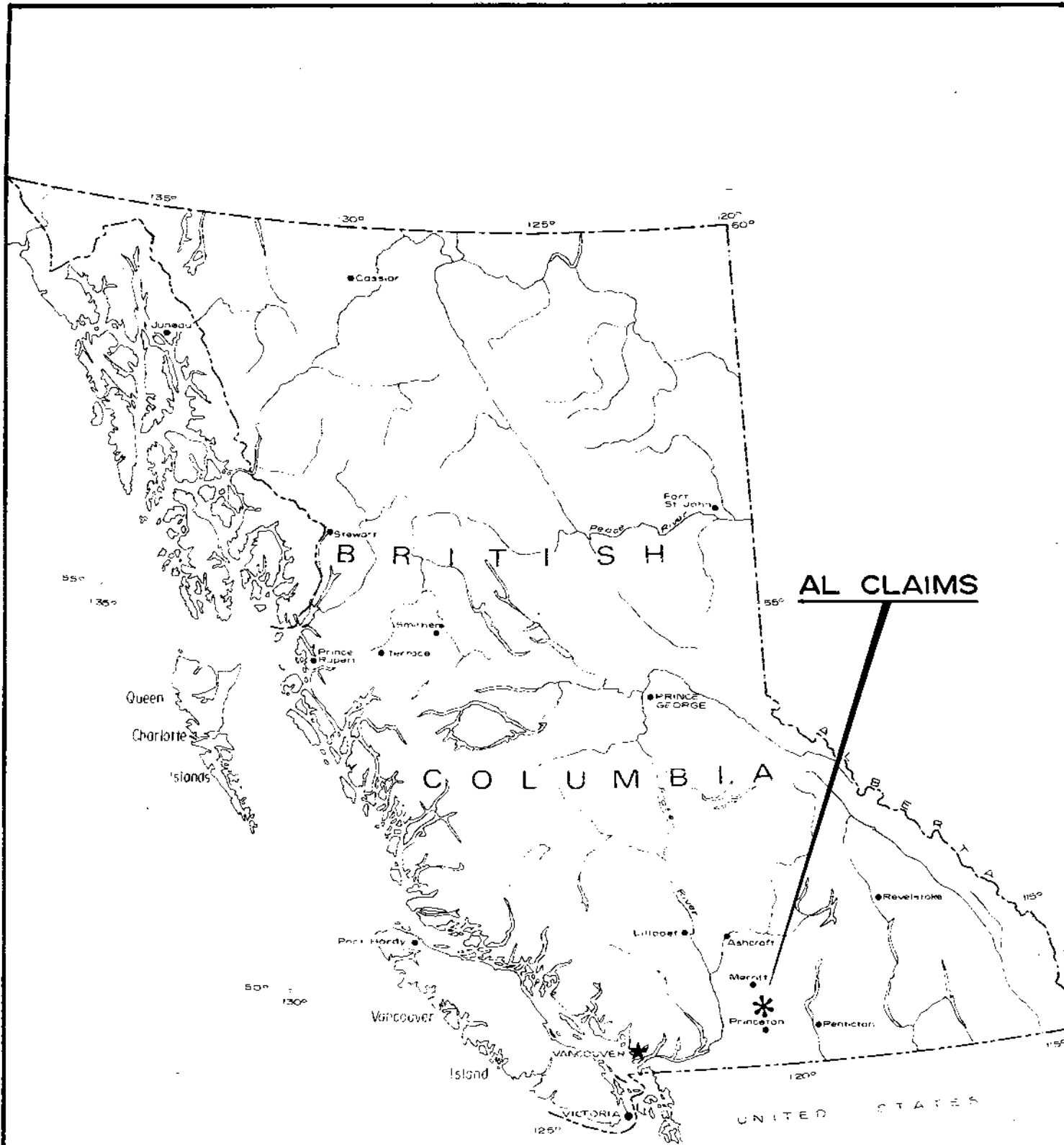
by

John R. Poloni, B. Sc., P. Eng.

May 20, 1973.

92 H / 10E AI

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 4420 MAP.....



Department of
 Mines and Petroleum Resources
 ASSESSMENT REPORT
 NO. **4420** MAP **#1**

PROPERTY LOCATION MAP
 AL CLAIMS

JOHN R. POLONI B. Sc., P. Eng.

SCALE: 1" = 136 miles MAY 20, 1973

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(Maps): 13

#1 Property. Location map

#2 Claim " "

#3 Soil Geochemistry

#4 Reconnaissance Geology

SUMMARY AND CONCLUSIONS

Geochemical and geological reconnaissance surveys were undertaken on the A1 (1-6) mineral claims near Allison Lake during 1972.

The claims cover Jurassic Coast Intrusive Granodiorites and Granite and Triassic Nicola Group volcanic and sedimentary rocks. The Allison Lake fault zone crosses the western part of the claim block.

Minor copper mineralization, in narrow shear zones, is found along a road cut on the claims.

Further preliminary exploration is warranted.

INTRODUCTION

The A1 (1-6) mineral claims are located $\frac{1}{2}$ mile north of Allison Lake, immediately east of Highway #5, approximately 16 miles north of Princeton, British Columbia. The claims were located by the author on May 6, 1972 and recorded at Princeton on May 9, 1972. During the first part of June, 1972 the author conducted a preliminary geochemical and geological survey on the property. This report summarizes the results of those surveys.

LOCATION MAP

Fig. #1



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ASSESSMENT REPORT
NO. **4420** MAP **#2**

AL (1-6) CLAIMS

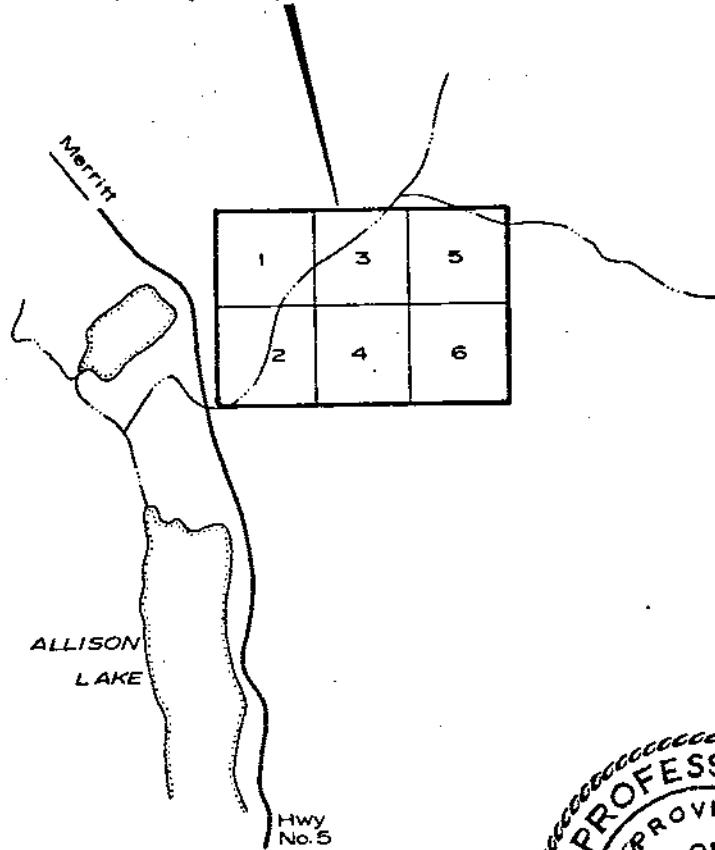


FIG. 1.

WESTWIND MINES LTD. (N.P.L.)	
AL CLAIMS CLAIM LOCATION MAP SIMILKAMEEN M.D., B.C.	
JOHN R. POLONI B.Sc., P. Eng.	
SCALE: 1" = 3000	DATE: May 3, 1973

PROPERTY

The property consists of six contiguous claims located immediately north-east of the north end of Allison Lake and east of Highway #5. Claim data is as follows:

<u>Name</u>	<u>Record Numbers</u>	<u>Expiry Date</u>
A1 (1-6)	35543 - 48	May 9, 1974

There appears to be no possible contraventions of the Minerals Act of British Columbia.

LOCATION AND ACCESS

The claim block is located 16 miles north of Princeton, British Columbia east of Highway #5. A logging road crosses the block, diagonally, from south-west to north-east. A natural gas pipe line crosses the block in a north-south direction, and a hydro-electric power line is located near the eastern boundary.

PHYSIOGRAPHY

The A1 claims lie within the Interior Plateau region of Central British Columbia, where stream dissection and glaciation have, to a great extent, obscured the level surfaces.

The Allison Lake shear zone, a regional feature striking north-south, crosses the claims. This feature is easily observed in a road cut along the shore of Allison Lake near its southern

end, where it is seen to be over 100 feet in width.

Fir is generously distributed on the slopes near Allison Lake. Only sparse underbrush is found on the claims. Logging has been done on the most moderate slopes.

GLACIATION

The continental ice sheet covered the whole Allison Lake map area during Pleistocene time. Moving ice deeply scoured the north-south trending valleys resulting in such features as the Allison-Borgeson Lakes valley.

CLIMATE

Moderate winters and precipitation, long arid summers characterize the Allison Lake region of south Central British Columbia. Strong winds are frequently experienced near Allison Lake during summer months. Snowfall is generally light, ranging between 3 to 6 feet, but can be much heavier during severe winters.

HISTORY

No exploration work, prior to the preliminary programs reported here, appears to have been undertaken on the ground covered by the claims. Evidence of a short test pit, sunk on a copper bearing quartz stringer was found on the bank

of the westerly flowing creek crossing the claims.

The Princeton and Aspen Grove areas in general have had a long and successful history of exploration dating to the early 1860's when placer gold deposits were discovered on the Tulameen and Similkameen Rivers and tributary creeks. Copper mining near Princeton is presently being undertaken by Similkameen mining where an open pit operation is underway.

GEOLOGY

Rice, H.M.A. 1960 in G.S.C. Memoir 243 describes coarse-grained, reddish altered siliceous granite and granodiorite of Jurassic Coast Intrusion, contacting Triassic Nicola Group volcanic and sedimentary rocks; cut by a north-south fault zone as underlying the claims.

Copper mineralization as chalcopyrite and malachite is found in three fracture zones along a road cut immediately north of the westerly flowing creek crossing the claims. These zones are generally narrow. Fig. #3

GEOCHEMICAL PROGRAM

A limited geochemical soil program consisting of thirty samples taken along a chained grid with lines 200 feet apart and stations 200 feet apart was undertaken. Fig. #2

B - horizon material was collected in kraft sample bags and assayed using the following parameters:

Mesh Size	-80
Analytical Method	atomic absorption
Digestion Method	$\text{HClO}_4 + \text{HNO}_3$

GEOLOGICAL RECONNAISSANCE

Geological reconnaissance was completed on the grid. Generally sufficient talus and outcrop are visible to enable definition of the rock units.

Fig. #3

RECOMMENDATIONS

As a limited program was completed only part of the claims were covered. Geochemical and geological surveys are necessary to examine the remainder of the ground.

A grid at 200 foot sample and line spacing is recommended for further geochemical and geological examination.

APPENDIX A

REFERENCES

REFERENCES

1. Cockfield, W.E. 1961, G.S.C. Memoir 249,
Geology and Mineral Deposits of the Nicola
Map Area, British Columbia.
2. Rice, H.M.A. 1960, G.S.C. Memoir 243,
Geology and Mineral Deposits of the
Princeton Map Area, British Columbia.
3. Private Reports by the Author for Northwind
Mines and Blue Gulch Explorations Ltd.

APPENDIX B

WRITER'S CERTIFICATE

CERTIFICATE

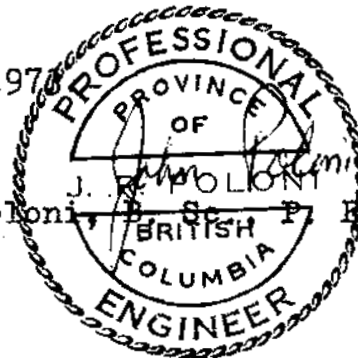
I, John R. Poloni, of 5502 - 8B Avenue, in Delta,
in the Province of British Columbia

DO HEREBY CERTIFY THAT:

1. I am a Consulting Geologist.
2. I am a graduate of McGill University of Montreal, Quebec, where I obtained a B. Sc. degree in Geology in 1964.
3. I am a registered Professional Engineer in the Geological Section of the Association of Professional Engineers of the Province of British Columbia.
4. I have practiced my profession since 1964.
5. I am a Fellow of the Geological Association of Canada and a member of the Canadian Institute of Mining and Metallurgy.
6. I am a member of the Association of Geologists of Quebec.
7. I have conducted the programs as reported on the A1 claims.

Dated this 20th day of May 1978

John R. Poloni, B. Sc. Eng.



APPENDIX C

ASSAY DATA

MAPS

CREST LABORATORIES (B.C.) LTD.B.C. REGISTERED ASSAYERS
GEOCHEMISTS1068 HOMER STREET,
VANCOUVER 3, B.C.

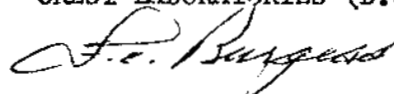
June 22, 1972

Mr. J. Poloni,
5502 8B Avenue,
DELTA, B.C.Lab 830GGeochemical analysis for copperMesh Size: - 80
Analytical Method: Atomic Absorption
Digestion Method: $\text{HClO}_4 + \text{HNO}_3$

Sample Marked:	Copper ppm	Sample Marked:	Copper ppm	Sample Marked:	Copper ppm
E 1	22	E 11	30	E 21	20
2	22	12	18	22	22
3	28	13	22	23	18
4	18	14	50	24	22
5	34	15	28	25	20
6	10	16	28	26	22
7	8	17	20	27	26
8	96	18	26	28	22
9	22	19	24	29	18
E 10	34	E 20	20	E 30	30

Yours truly,

CREST LABORATORIES (B.C.) LTD.

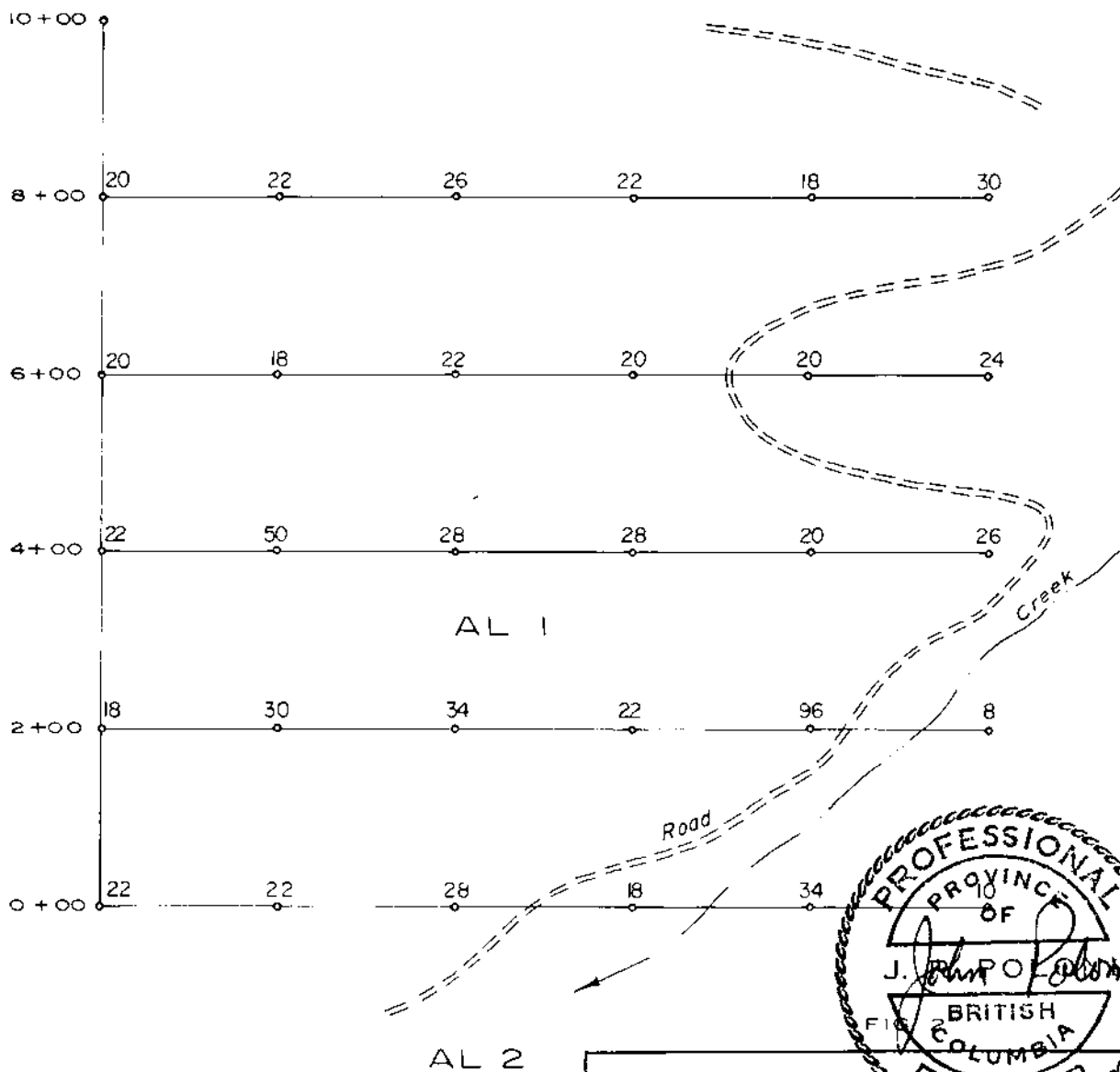


F. C. Burgess

Chief Assayer

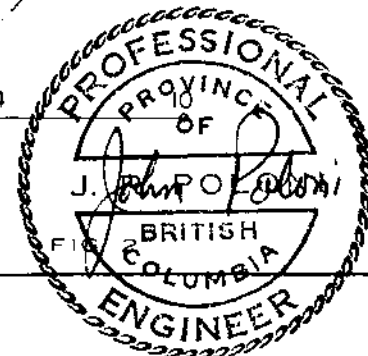


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LEGEND

◦ STA-LINE
22 PPM Cu



SOIL GEOCHEMISTRY
AL CLAIMS

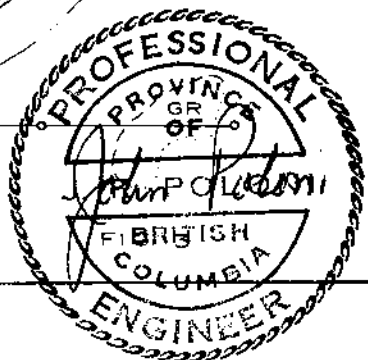
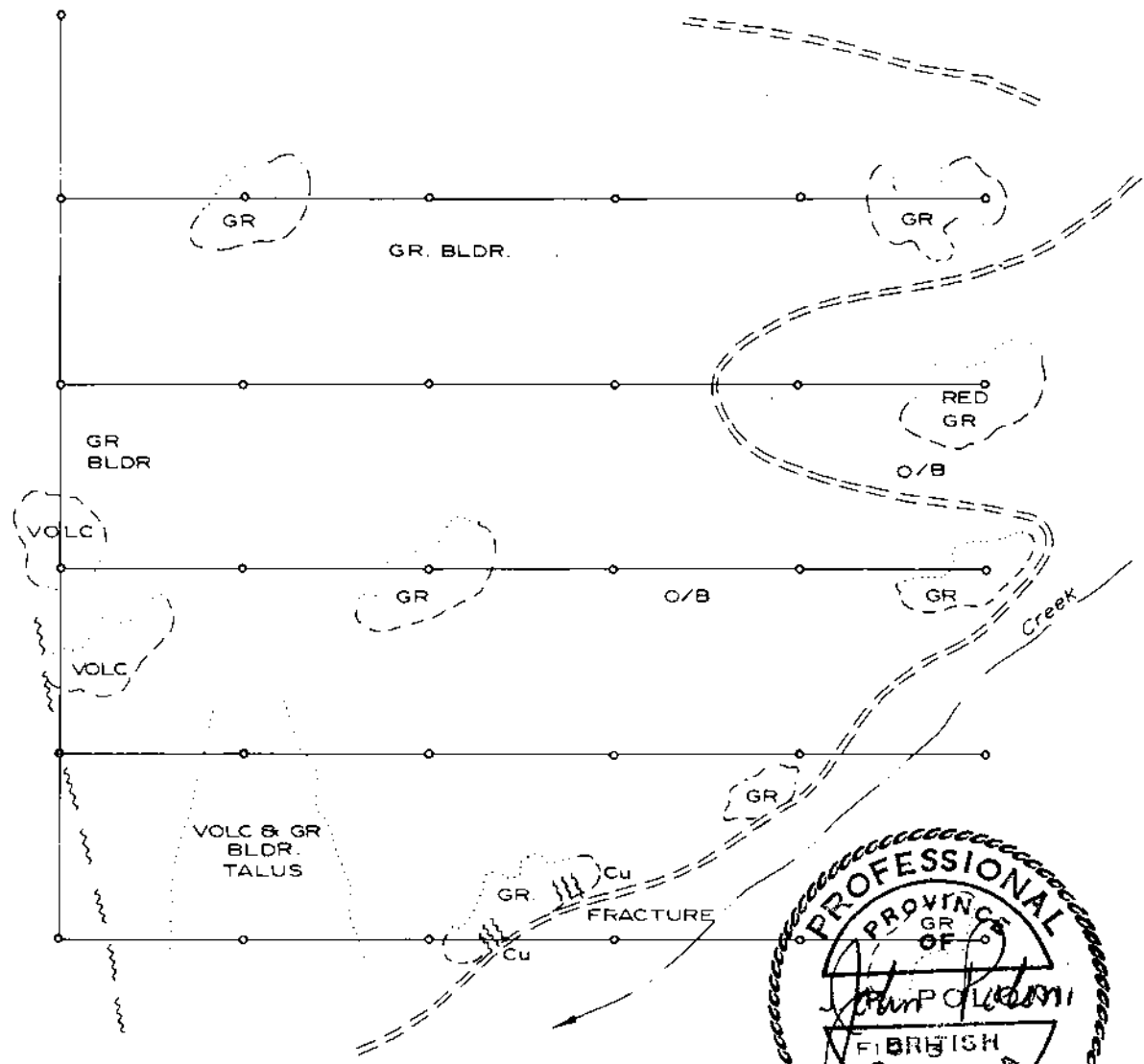
JOHN R. POLCNI B.Sc., P. Eng.

SCALE: 1" = 200'

DATE: MAY 20 1973



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LEGEND
GR GRANITE
VOLC VOLCANIC

**RECONNAISSANCE GEOLOGY
AL CLAIMS**

JOHN R. POLONI B.Sc., P. Eng

SCALE: 1" = 200'
DATE: MAY 20 1973