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PROPERTY FILE

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REPORT ON THE J (1-14)
MINERAL CLAIMS

ALLISON LAKE AREA
SIMILKAMEEN MINING DIVISION

FOR

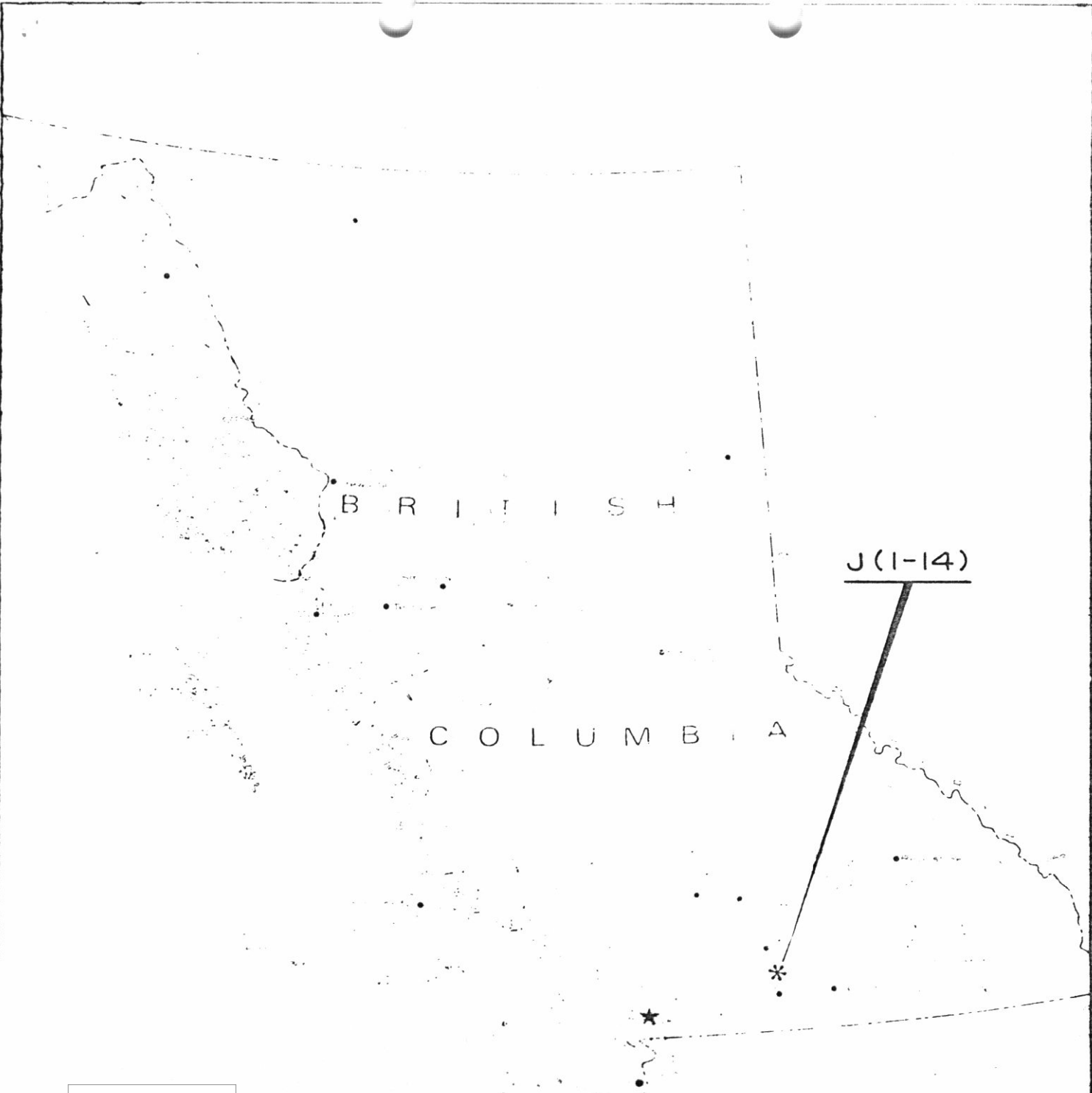
NORTHWIND MINES LTD.

BY

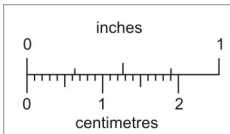
John R. Poloni B.Sc., P.Eng.
March 22, 1972

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J(1-14)



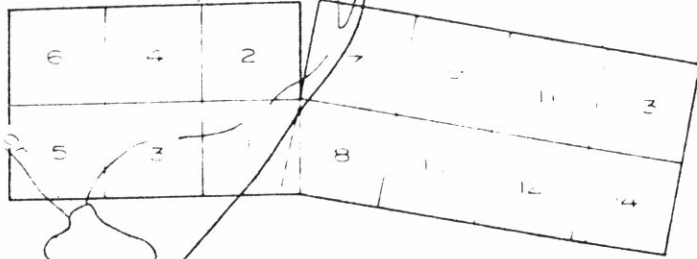
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NORTH WIND MINES LTD.
 PROPERTY LOCATION MAP
 SIMILKAMEEN M.D.
 JOHN R. POLONI B. Sc., F. Eng.
 SCALE 1" = 30 Miles MARCH 21, 1972



J (1-14)



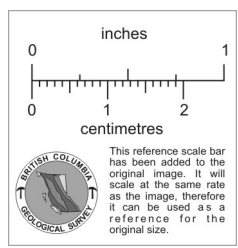
Russellson

Borges Lake

Princeton 44 miles
Highway 5



FIG



NORTH WIND MINES LTD.

CLAIM LOCATION MAP

SIM LKAMEEN MD

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

SCALE 1" = 3000'

MARCH 22, 1972

REPORT ON THE J (1-14)
MINERAL CLAIMS
ALLISON LAKE AREA
SIMILKAMEEN MINING DIVISION

FOR
NORTHWIND MINES LTD.

BY

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

March 22, 1972

INTRODUCTION

The 14 mineral claims in the J (1-14) group are located approximately 14 miles north of Princeton, B.C. near Borgeson and Allison Lakes, to the west and east of Highway No. 5. The claims were located by Mr. D. Gallen on March 20, 1972, and were visited by the author on that day. This report is based on field observations made in the area during August 1971, on published Government reports, and on unpublished reports. The purpose of the report is to evaluate the economic potential of the claims.

Preliminary exploration work is recommended.

PROPERTY

The property consists of 14 mineral claims located between Borgeson and Allison Lakes, at Latitude 49°41'N and Longitude 120°37'W. Claims data is as follows:

<u>Name</u>	<u>Tag No's</u>	<u>Staking Date</u>	<u>Record Date</u>
J (1-14)	298167-80 M	Mar. 20, 1972	

The claim posts for claims J 1,2, (7-14), were examined, and the claims are staked in accordance with the regulations of the British Columbia Department of Mines and Petroleum Resources. There appears to be no possible contraventions.

LOCATION AND ACCESS

Located 14 miles north of Princeton, B.C. and straddling Highway # 5, the property is ideally situated at 195 miles by road from Vancouver. Access is provided by logging roads branching from Highway # 5, both to the east and west.

Railway facilities, natural gas and hydro electric power are readily available in the Princeton area. Both a hydro electric power line and natural gas pipe line, are located within 2 miles of the eastern boundary of the claims.

PHYSIOGRAPHY

The claims lie within the Interior Plateau of central British Columbia, where stream dissection has to a great extent obscured the level surfaces found further north. Upper Otter Creek, Allison Lake, and Allison Creek, occupy a comparatively straight valley, following a north-south trending fault zone which has been deeply scoured by moving ice.

Elevation differences on the claims range from approximately 3,000 feet above mean sea level along Highway # 5 to a maximum of 4,500 feet to the east.

Fir, alder and poplar are generously distributed over the claims. The valley of the westerly flowing stream crossing the claims east of Highway # 5, is occupied by alder, as moderately dense underbrush. Fir, the most abundant tree is small and would appear to have little present commercial value.

GLACIATION

During Pleistocene time, the continental icesheet entirely covered the area. The ice movement was generally from north to south resulting in deep scouring of the north-south trending valleys. Noticeably, the effect of the glacial period has been to cover the area with a mantle of detritus ranging from 2 to 10 feet.

CLIMATE

The claims area lies within the Interior Plateau of Central British Columbia, which is characterized by little precipitation, moderate winters, and long arid summers. Snow covers the ground to a depth of 2-5 feet for only a few winter months.

Sufficient precipitation occurs annually to provide both Borgeson and Allison Creeks with moderate water flow even through the dry summer months.

HISTORY

The ground covered by the claims does not appear to have been subjected to any exploration programs of significance.

The Princeton area in general has a long history of exploration and production dating to the early 1860's, with the discovery of placer gold deposits on Tulammen and Similkameen Rivers and tributary creeks. Lode mining for gold, and copper has had a long and successful history in the area, to the present day. Discovery of the Ingerbelle Mine (Similkameen Mining Co.) presently in production; the Axe property of Amax Explorations Inc.; and the Holmes Mountain property of Joy Mining Ltd. has maintained a strong exploration interest.

Blue Gulch Explorations Ltd. have examined by geochemistry, geology, trenching, and diamond drilling low grade copper-pyrite mineralization immediately north of the J claims on the east side of Allison Lake. The samples of three bulldozer trenches in fractured and altered monzonite gave 0.20% Cu. for 160'; 0.19% Cu. for 140' and 0.37% Cu. for 150'. Subsequent diamond drilling failed to intersect economic grade mineralization, but further work is planned.

Laura Mines Ltd. conducted a geochemical soil survey on the D.D. group of mineral claims north of the J (1-8) claims, during the summer of 1971. Further follow-up work is planned.

GEOLOGY

Memoir 243, G.S.C. by H.M.A. Rice, 1946 describes coarse-grained, reddish, altered, siliceous granite and granodiorite of Jurassic Coast Intrusions, contacting Triassic Nicola Group volcanic and sedimentary rocks, as occurring to the south of Allison Lake. The J (1-14) claims is underlain by these units.

The Nicola Group is a heterogeneous one consisting of a considerable thickness of successions of lavas, interbedded irregularly with lenses of tuffaceous and argillaceous rocks and infrequent beds of limestone. Commonly the volcanic is massive andesite porphyry, blue grey to dark green in colour. Phenocrysts of pyroxene or plagioclase are present. Magnetite, pyrite and occasionally specks of chalcopyrite are common.

Jurassic intrusive rocks in the area consist of red granodiorite ranging in composition from quartz diorite to granite. Potash feldspar and quartz contents are high. Amphibole, magnetite, apatite, titanite, and zircon are common accessory minerals. The Allison Lake intrusive body is extremely altered near the regional fault zone immediately east of Allison Lake.

Mineral occurrences have been found along the Nicola Group Intrusive contact as at Brenda Mines located approximately 35 miles north east of the J claims, and on the Blue Gulch claims immediately north. Map 888 A G.S.C. shows many similar occurrences.

STRUCTURE

A regional fault zone consisting of an en echelon arrangement of closely related faults occurs east of Allison Lake. This fault, trending northerly, from the Copper Mountain Intrusive, is a major structure over 100 feet wide, where exposed in a rock cut near the south end of Allison Lake. The rocks in the zone have been extremely crushed, broken, leached and silicified presenting a weathered gossan-like appearance. This zone crosses claims J (9-12).

A similar shear zone occurs 3000 feet west of Borgeson Lake.

SUMMARY AND CONCLUSIONS

The J (1-14) mineral claims are located 14 miles north of Princeton, B.C. near the south end of Allison Lake.

This area is underlain with Triassic Nicola volcanic and sedimentary rocks in contact with Jurassic Coast Intrusive granodiorites.

Regional shearing with a general northerly strike, in the form of en echelon faults, crosses the claims.

Copper mineralization is known to occur disseminated with pyrite, in monzonite, near contacts with Nicola Group volcanics on the Blue Gulch claims, immediately to the north of the J claims. This contact zone has proven to be an excellent exploration target for the discovery of economic copper mineralization.

No examination of significance has been undertaken on the ground covered by the claims.

In the writer's opinion the J(1-14) mineral claims warrant detailed, geological, geochemical, and geophysical programs to evaluate the possibility of the occurrence of large disseminated type copper deposits.

RECOMMENDATIONS

The following preliminary work program is recommended: —

Phase I

- 1) Geochemical soil sampling at 100 foot intervals along control lines spaced 200 feet apart.
- 2) Geological mapping and prospecting.
- 3) A Magnetometer survey along the established grid.
- 4) Induced Polarization survey of selected anomalous areas obtained in initial surveys.
- 5) Trenching and sampling of coincident geochemical and geophysical anomalies.

Phase II

- 1) Drilling — This is a success contingent program depending on the results of Phase I surveys.

APPENDIX A

ESTIMATED COST OF THE RECOMMENDED EXPLORATION PROGRAM

Phase I

Time	—	1 month	
Personnel	—	Geologist	
	—	2 man Field Crew	
Contact	—	Induced Polarization Field Crew for one week.	
1) Line Grid			
28 miles @ 50.00			\$1400.00
2) Geochemical Soil Survey			
28 line miles @ 75.00			2100.00
Assays and Geochemical analysis			2000.00
3) Geological mapping and Prospecting			1000.00
4) Magnetometer Survey			
28 line miles @ 75.00			2100.00
5) Induced Polarization			
(Selected Areas) 6 line miles @ 45.00			2700.00
6) Trenching			1000.00
7) Camp Costs			500.00
8) Transportation, Drafting, Secretarial, and printing			500.00
9) Engineering and Supervision			500.00
Total			<u>13800.00</u>
Contingencies 10%			1380.00
Total (Phase I)		c/f	<u>\$15180.00</u>

Phase II

- 1) Drilling – This phase is contingent on the findings of Phase I Surveys.

2000' in 4 holes @ 18.00	b/f	36000.00
Contingencies 10%		3600.00
Total (Phase II)		<u>39600.00</u>
Total (Phase I and Phase II)		<u><u>\$54780.00</u></u>

Respectfully Submitted

“J.R. POLONI”

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

**APPENDIX B
REFERENCES**

- 1) Rice, H.M.A. (1960) G.S.C. Memoir 243 Geology and Mineral Deposits of the Princeton Map-Area. British Columbia
- 2) Jury, R.G. Two reports for Blue Gulch Explorations Ltd., March 2, 1971 and December 12, 1969.
- 3) Poloni, J.R. Report on the D.D. Group of Mineral claims, Allison Lake Area, for Laura Mines Ltd., April 25, 1971.

**APPENDIX C
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 visited the J 1,2 (7-14) mineral claims, and they are staked in accordance with the regulations of the British Columbia Department of Mines and Petroleum Resources.
- 8) I have no direct interest in any of the properties or Securities of Northwind Mines Ltd. nor do I expect to receive or acquire any.

Dated this 22nd day of March, 1972.

“J.R. POLONI”

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



Allison Lake

COAST INTRUSIVES

Borgeson Lake

NICOLA SERIES

ALLISON LAKE FAULT

J(1-14)

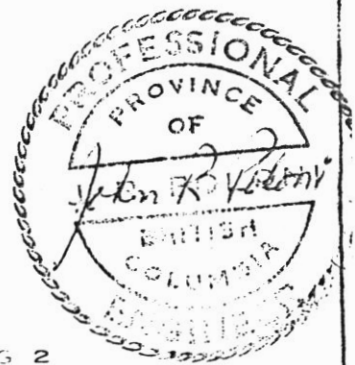
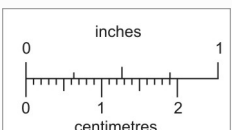


FIG 2



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REF G.S.C. MAP 888 A

25

NORTH WIND MINES LTD.

GEOLOGICAL MAP

SIMILKAMEEN MD

JOHN R. P. D. No. 1011 Sc, P Eng

SCALE 1:50,000 MARCH 22, 1970