

ASSESSMENT REPORT
GEOLOGICAL REPORT
ON THE
LIVERPOOL CLAIM
(REVERTED CROWN GRANT)

LAWLESS CREEK AREA
SIMILKAMEEN MINING DIVISION

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

by

10,942

MICHAEL A. STAMMERS
AND
MOHAN R. VULIMIRI

LOCATION: N.T.S. 92H/10W
49°34' N Latitude
120°54' W Longitude

OWNER: LARRY SOSTAD

OPERATOR: SEREM LTD.

DATES WORK PERFORMED: August 10-14, 1982

DATE OF REPORT: September 1982

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INTRODUCTION

The Liverpool mineral claim (reverted crown grant) is located 30.6 kilometers west-northwest of Princeton, British Columbia, at latitude $49^{\circ}34'$ north and longitude $120^{\circ}54'$ west in the Hope map sheet area, N.T.S. 92H/10W, Similkameen Mining Division (Figures 1 and 2).

Access to the property during the 1982 evaluation was provided by truck from Vancouver to Princeton on provincial highways No. 1 and No. 3 and then by secondary and logging roads 47 kilometres to the claim.

Relief on the property is gentle with elevations ranging from 1310 metres to 1430 metres above sea level. The claim has been recently logged for fir, spruce and hemlock. Outcrop is poor (less than 5%) and is generally restricted to bulldozer cuts made during logging and previous exploration operations.

The registered owner of the Liverpool property is L. Sostad of North Vancouver, B.C. The claim is considered part of the Law's Camp Venture area managed by Goldwest Resources Limited of Vancouver and Serem Ltd. of Vancouver, B.C. is the current operator.

Adjoining crown grants include the St. Lawrence to the north and the Chicago to the south. The Murphy located mineral claim (12 units) encompasses the Liverpool and other crown grants.

Evidence of past work on the property includes cat trenching and emplacement of a short exploration adit. No other work has been reported upon.

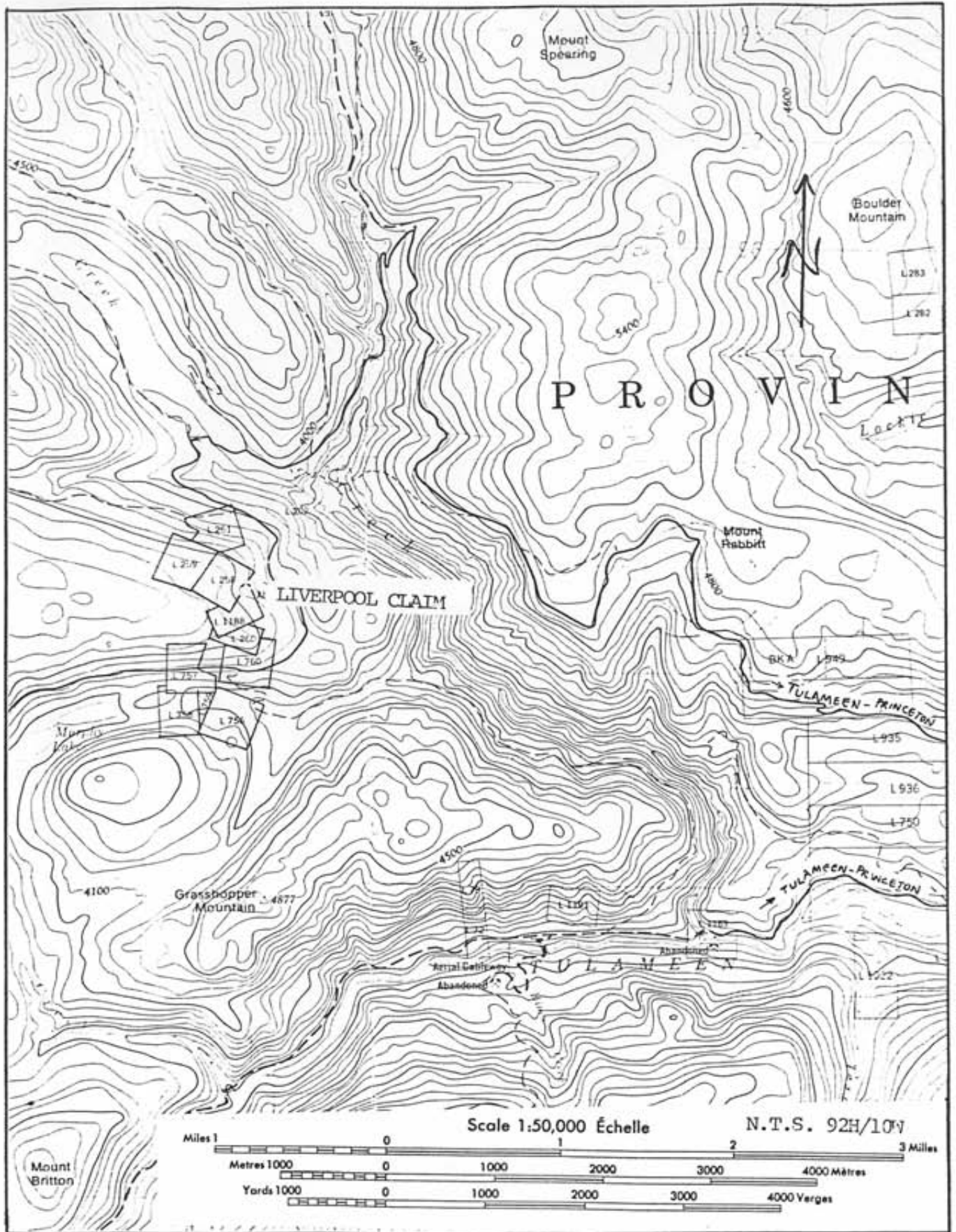


Figure 1. Location Map.
LIVERPOOL (L1188) REVERTED CROWN GRANT.

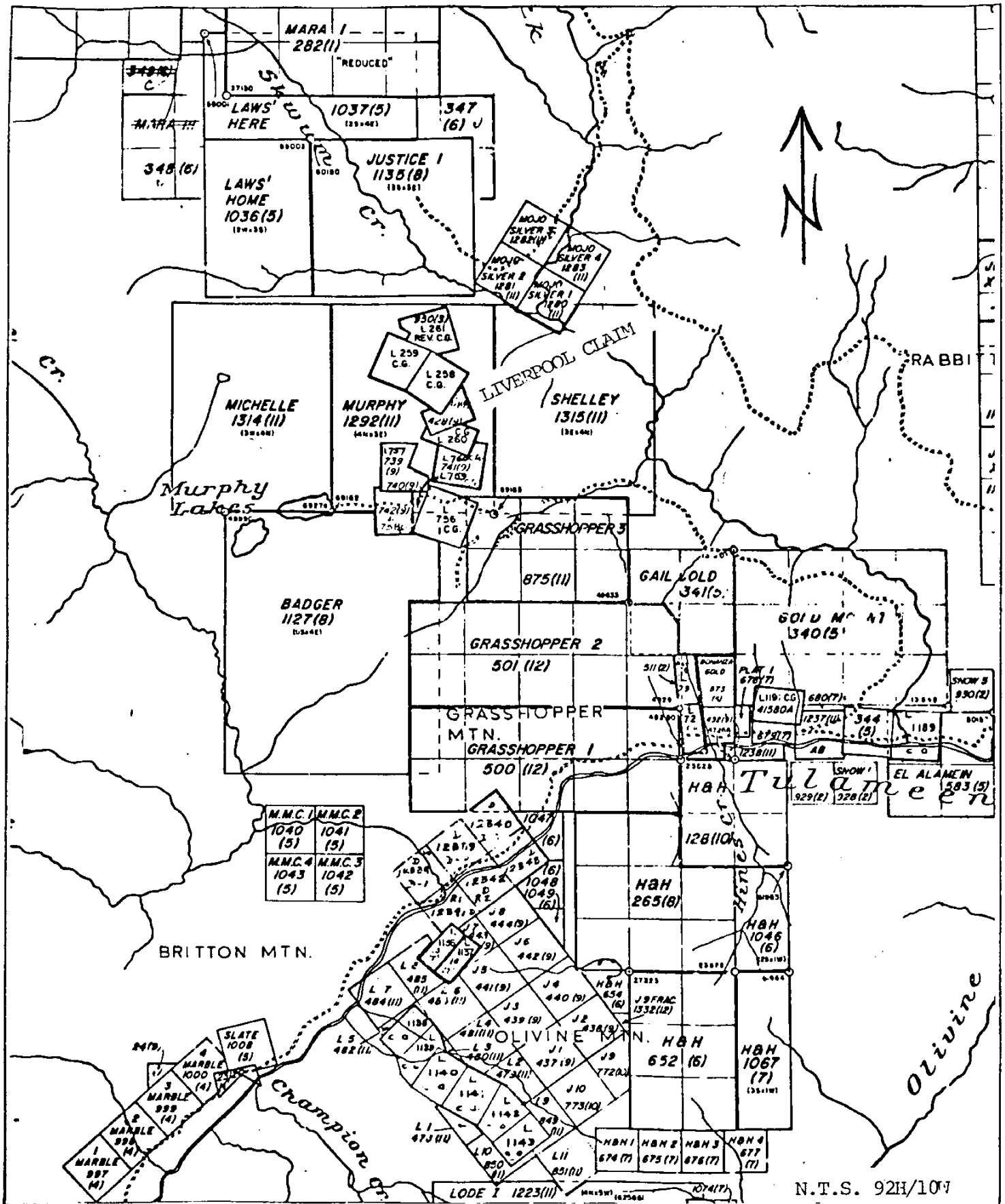


Figure 2. Claims Map.
 LIVERPOOL REVERTED CROWN GRANT (Rec. No. 428)

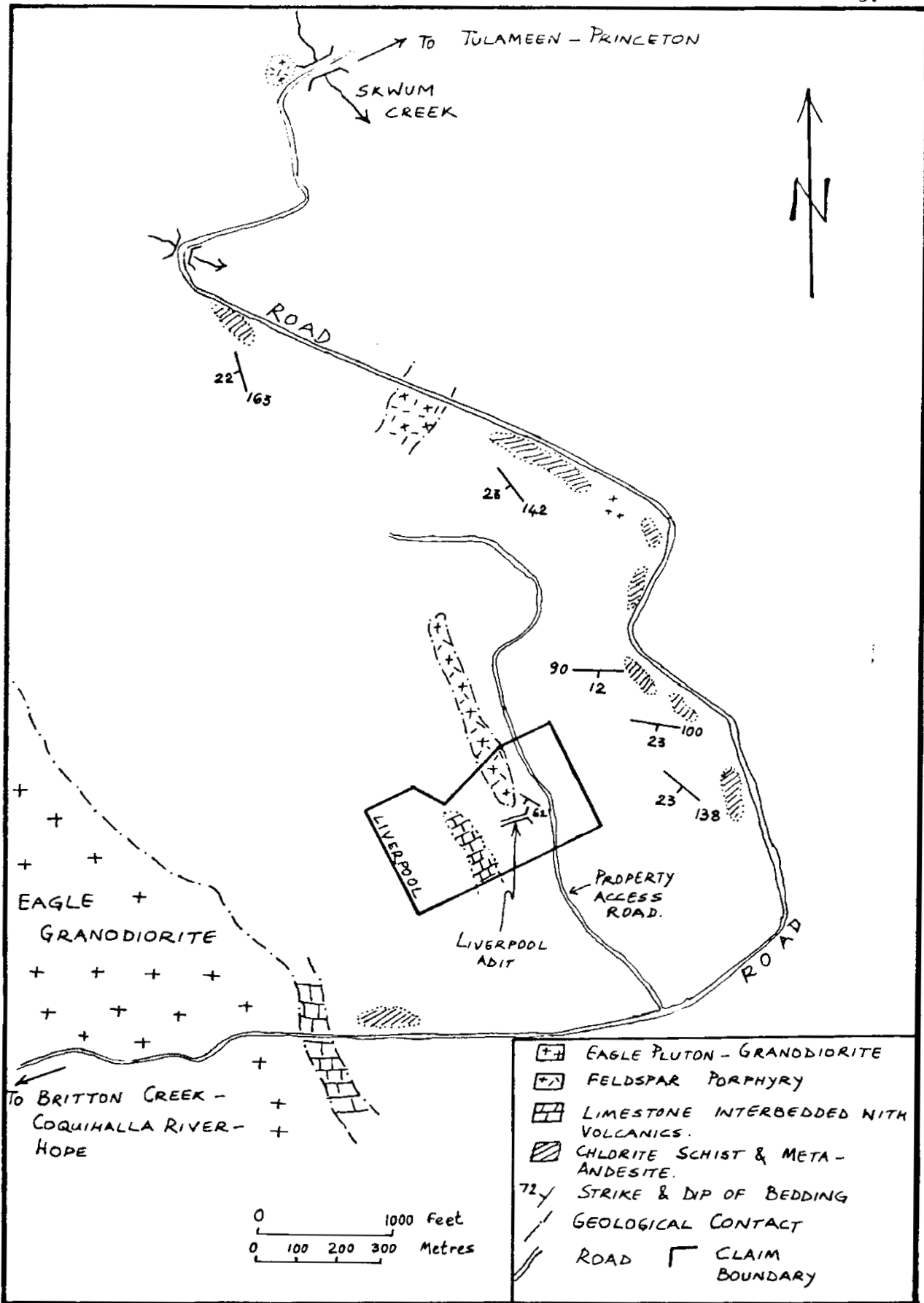


Figure 3. Geology - Liverpool Claim and Surrounding Area

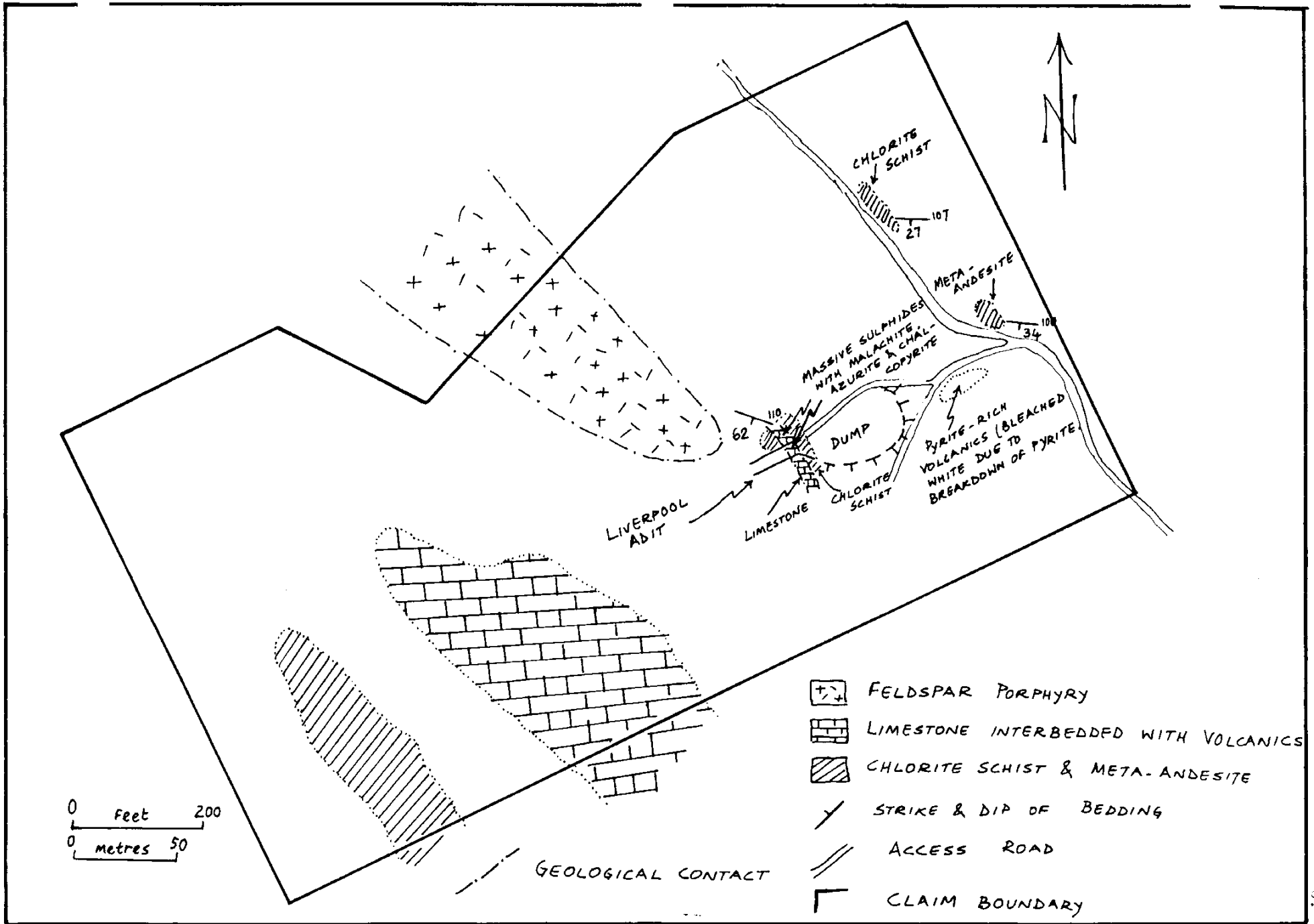


Figure 4. Detailed Geology - Liverpool Claim

Work performed in August 1982 by Serem Ltd. included geological mapping and evaluation of the mineralized showing in relation to other prospects in the claim area.

A total of \$1,650.00 was spent on direct exploration costs in assessing the Liverpool claim and its adjoining properties. An estimated \$400, or one-quarter of the total exploration expenditures, is to be applied to the Liverpool reverted crown grant.

REGIONAL AND PROPERTY GEOLOGY (Figures 3 and 4)

The Liverpool property is underlain by Upper Triassic Nicola Group volcanic and sedimentary rocks which are intruded by Jurassic and younger plutonic rocks.

The Nicola Group is described by H.M. Rice (Map 888A) as a large and varied assemblage consisting mainly of many coloured volcanic rocks ranging in composition from porphyritic and non-porphyritic dacite to basalt with interbeds of sedimentary and pyroclastic rocks.

On the property, the Nicola Group andesitic volcanics weather medium to dark grey-green and are variably metamorphosed to thin to medium-bedded chlorite schists or to medium to thick-bedded blocky meta-andesites.

Coarsely recrystallized, light grey limestone and rare skarn is interbedded with the volcanic rocks in the claim area.

The northwest trending Eagle granitic body outcrops to the west of the property and influences local structure and geology. Coarse-grained granodiorite and later stage

grey feldspar, porphyry dikes, and sills related to the Eagle pluton, outcrop on the property.

The principal strike of the limestone and volcanic strata is northwest with moderate to locally steep southwest dips. The schistosity of metamorphosed equivalents subparallels that of the bedding.

MINERALIZATION

Mineralization on the Liverpool reverted crown grant consists of malachite, azurite, and chalcopryrite. It is present in highly oxidized exposures in the cat trenches and in the area of the Liverpool adit.

Initial observations suggest mineralization is restricted to the limestone interbed within the quartz chlorite schist. It appears that the mineralization is stratabound with the host rocks.

Caving and slumping in the area of the adit and in the nearby cat trench restricts reliable sampling. The true width of the massive sulfide zone varies from 1 to 2 metres. A highly oxidized grab sample taken from the adit area assayed 0.018% copper, 0.19% lead, 0.12% zinc, 1.42 oz/ton silver, and 0.010 oz/ton gold.

CONCLUSIONS AND RECOMMENDATIONS

Interesting copper mineralization (chalcopryrite) occurs on the Liverpool reverted crown grant in Nicola Group volcanics and sediments. Current results indicate that the dimensions of the exposed showing appears limited to subeconomic widths.

Further work should focus on the volcanic members for larger volcanogenic massive sulfide potential. Any future exploration work should turn to geophysical methods and diamond drilling may follow, if results warrant it.

REFERENCE

Rice, H.M.A., G.S.C. Map 888A, Princeton, B.C.

STATEMENT OF EXPENDITURESWages:

8 man-days @ \$150/day	\$1,200
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Room and Board:

4 days @ \$50/day	200
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Transportation:

Truck rental: 4 days @ \$50/day	200
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Assays:

	<u>50</u>
Total	<u>\$1,650</u>

CERTIFICATE OF QUALIFICATIONS

I, Michael A. Stammers, of Port Coquitlam, British Columbia, certify that:

1. I am a geologist employed by Serem Ltd. of 300 - 535 Thurlow Street, Vancouver, B.C.
2. I hold a B.A. degree in geology and geography from McMaster University, Hamilton, Ontario.
3. I have worked in geology and mineral exploration for 9 years.
4. The field work described in this report was carried out under my supervision.
5. I have no financial interest in the claims covered by this report or in Serem Ltd.



Michael A. Stammers,
Geologist.

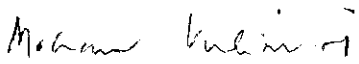
Vancouver, B.C.
September 1982

CERTIFICATE OF QUALIFICATIONS

I, Mohan R. Vulimiri, of North Vancouver, British Columbia, certify that:

1. I am a geologist, employed by Serem Ltd.
2. I am a graduate with a Master of Science degree in Economic Geology from the University of Washington.
3. I have been involved in mineral exploration in British Columbia since 1970 and have acted in responsible positions since 1974.
4. I have no financial interest, either direct or indirect, in the property or in Serem Ltd.

Vancouver, B.C.
September 1982


Mohan R. Vulimiri,
Geologist.

APPENDIX

Assay Result, Including Method of Analysis

MIN-EN Laboratories Ltd.

705 WEST 15th STREET,
NORTH VANCOUVER, B.C., CANADA V7M 1T2
TELEPHONE (604) 980-5814

ANALYTICAL REPORTProject ZA 601 Date of report Sept. 28/82.File No. 2-733 Date samples received Sept. 23/82.Samples submitted by: M. StammersCompany: Serem Ltd.Report on: Geochem samples1 Assay samples

Copies sent to:

1. Serem Ltd., Vancouver, B.C.

2. _____

3. _____

Samples: Sieved to mesh _____ Ground to mesh -100Prepared samples stored discarded rejects stored discarded Methods of analysis: Cu, Pb, Zn, Ag - Acid digestion-chemical analysis.Au-Fire Assay.

Remarks: _____

