

3108

GEOCHEMICAL REPORT
CU & RL CLAIMS, PRINCETON, B. C.,
49° 120°

92H/106

FOR
NORTHAIR MINES LTD. (N.P.L.)
BY

J. W. HOGAN, B.A.Sc., P.Eng.
May 25-June 10, 1971

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 3108 MAP

L. J. Manning & Associates Ltd.
610 - 890 West Pender Street,
Vancouver 1, B. C.

June 29, 1971

TABLE OF CONTENTS

	<u>Page</u>
Introduction	1
General Geology & Topography	1
Sampled Soil Horizon	1
Sampling Procedure	1
Sample Preparation and Laboratory analysis	1
Summary and Conclusions	2

- XI* Drawing No. 1 - Location of Lines with respect
to Claim Boundaries - Scale 1" = 1,000
feet In Pocket
- XV* Drawing No. 2 - Geochemical Plan - Scale 1" = 600
feet In Pocket

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INTRODUCTION

The following report is on a geochemical soil survey over the CU and RL claims, Princeton Area, B. C.

GENERAL GEOLOGY AND TOPOGRAPHY

The claims are underlain by Nicola volcanics and sediments. A major mapped northwest fault trends through the property.

Topography consists of gentle to moderate slopes.

SAMPLED SOIL HORIZON

Soils were taken from the "B" Horizon at depths of from 4" - 8" below surface.

SAMPLING PROCEDURE

Samples were taken on a line grid basis. This grid was at a 400' line interval on 200' stations. A shovel was used to reach the "B" Horizon where a 30-40 gram sample was placed in standard 4" x 9" soil sample envelopes. Samples were not taken where swampy ground was located, arising in excessive depth of the "B" Horizon.

Samples were partially air-dried and then shipped to Crest Laboratories, Vancouver.

SAMPLE PREPARATION AND LABORATORY ANALYSIS

Crest Laboratories treated the samples in the following manner:

- Drying
- Sieve to -80 mesh fraction
- Hot extraction by $\text{HClO}_4 + \text{HNO}_3$
- Atomic absorption analysis for copper and Molybdenum parts per million.

SUMMARY AND CONCLUSIONS

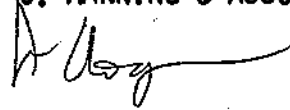
Background for copper was determined to be 19 p.p.m. with threshold taken as 2 x B.G. or 38 p.p.m.

Significant copper geochemical anomalies are not indicated. Air photos indicate northwest-southeast glacial features which probably explain the parallel alignment of some anomalous samples.

Only two values returned greater than 2 p.p.m. molybdenum; so that molybdenum is not determined to occur over the area in significant amounts.

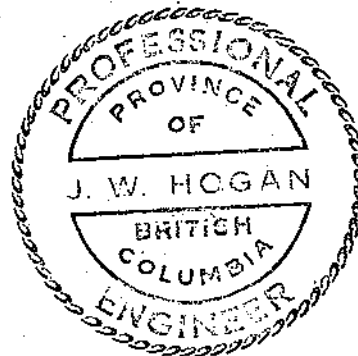
Respectfully submitted,

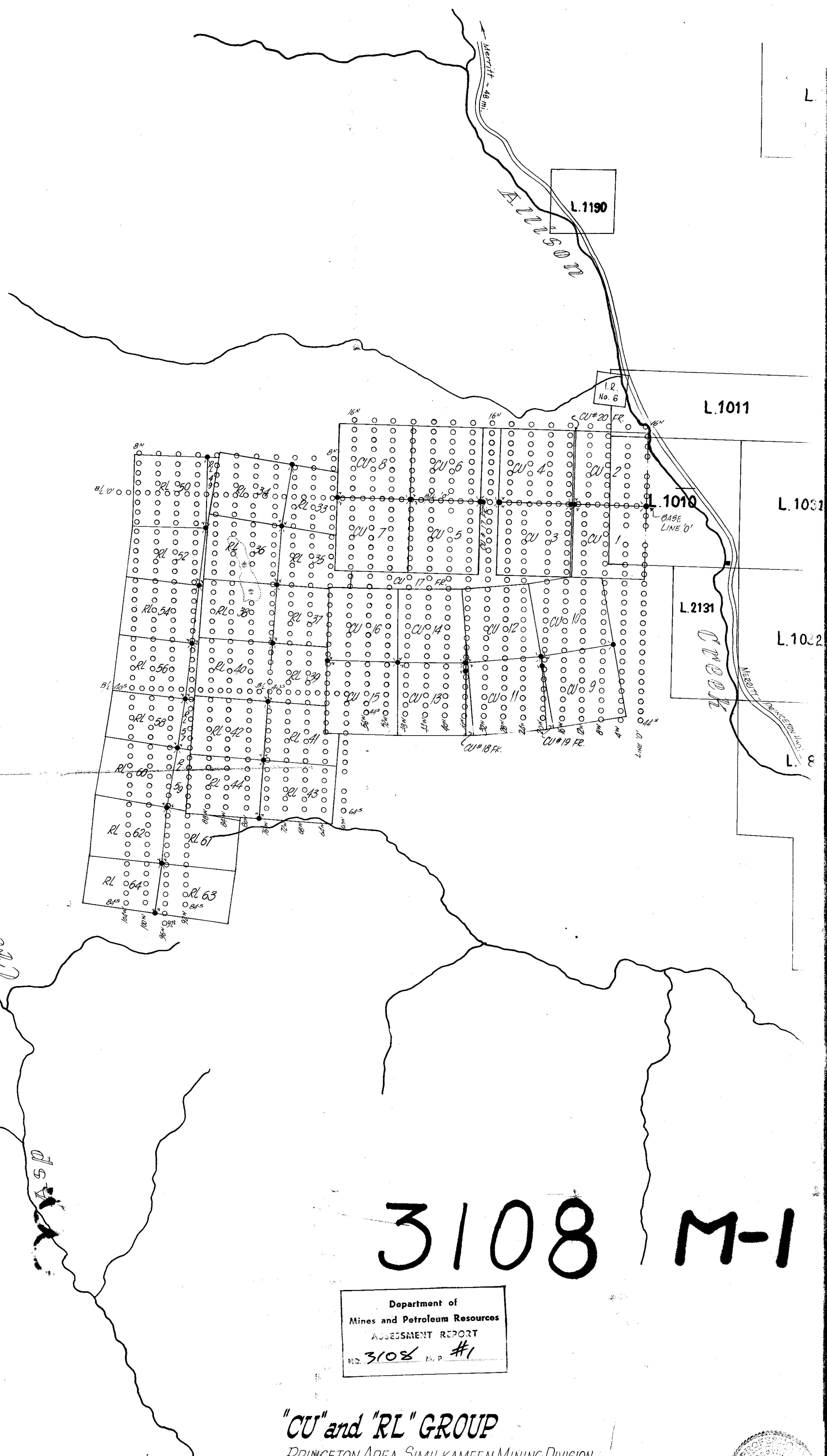
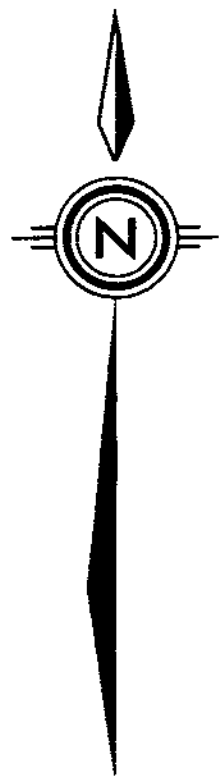
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J. W. Hogan, P.Eng.

JWH:mjb





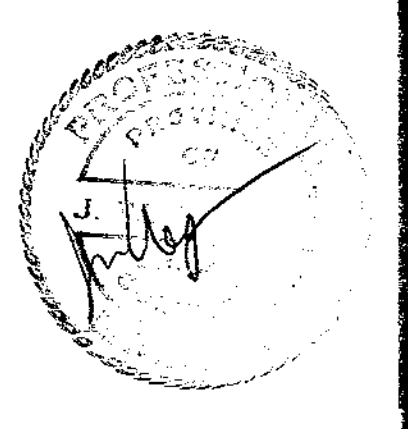
3108 M-1

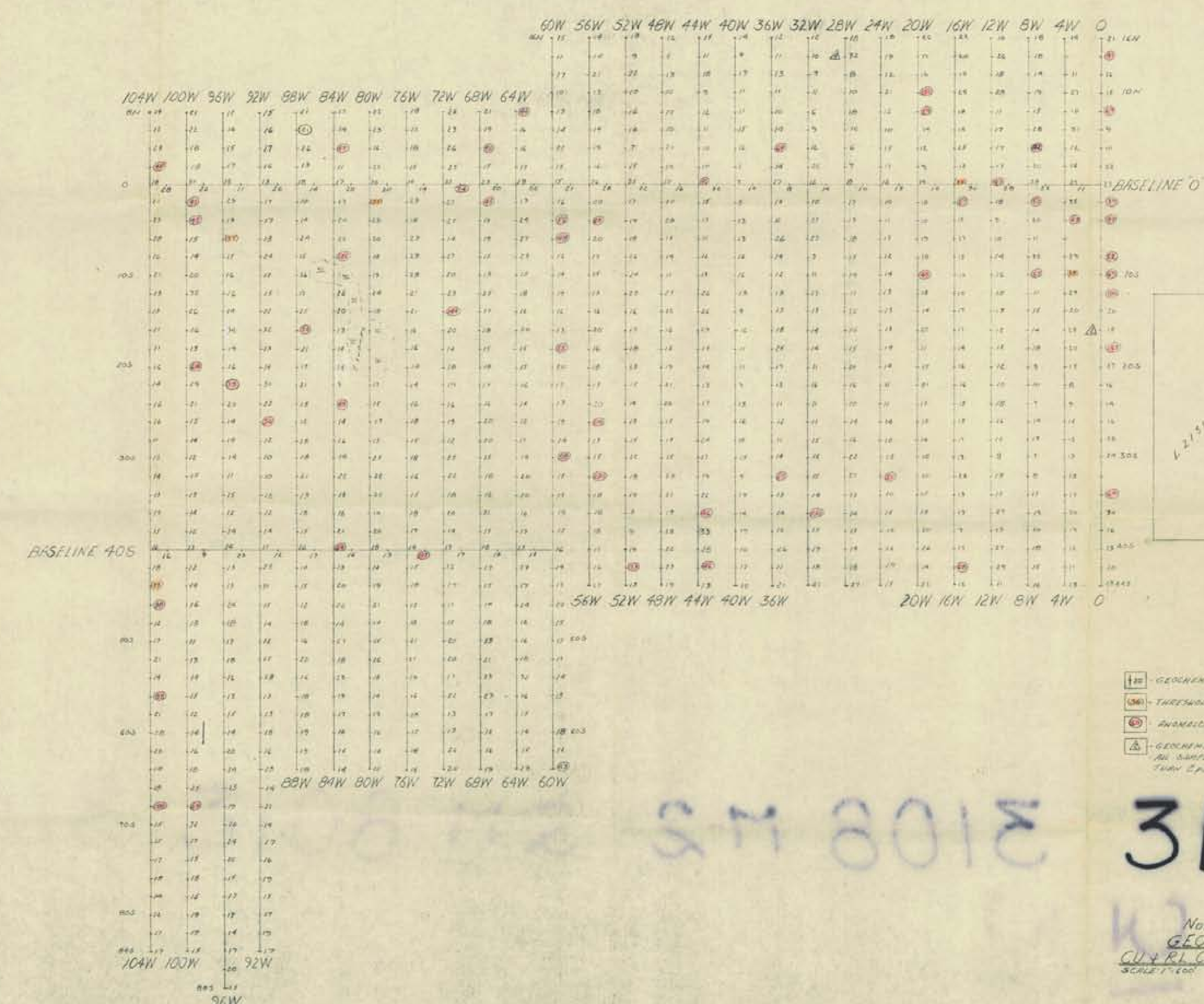
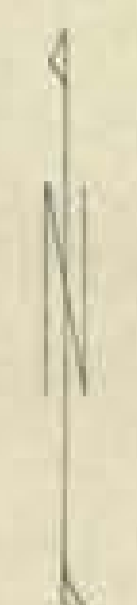
Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 3108 No. P. #1

"CU" and "RL" GROUP
PRINCETON AREA, SIMILKAMEEN MINING DIVISION
Scale: 1" = 1000'

LJ Manning & Associates - Consultants.

TO ACCOMPANY GEOCHEMICAL REPORT
BY J.W. HOGAN, P. ENG. ON THE CU/RL
CLAIMS, PRINCETON B.C., SIMILKAMEEN M.D.
DATED JUNE 29/71





Department of
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- SYMBOLS
- ⊕ - GEOCHEMICAL SOIL SAMPLE - COPPER - PARTS PER MILLION
 - ⊙ - THRESHOLD - BACKGROUND + 3σ ppm RANGE 35-50 ppm COPPER
 - ⊗ - ANOMALY - + 50 ppm COPPER
 - △ - GEOCHEMICAL SOIL SAMPLE - MOLYBDENUM PARTS PER MILLION
ALL SAMPLE POINTS ASSAYED FOR MOLYBDENUM ALL VALUES LESS THAN 0.2 ppm EXCEPT △ AS SHOWN

3108 M-2

3108 M-2

NORTHAM MINE LTD
GEOCHEMICAL PLAN
CU & MO CLAIMS - PRINCETON - B.C.
SCALE 1" = 100' JUNE 71
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TO ACCOMPANY GEOCHEMICAL REPORT BY INMOBIL PIND
ON THE CU & MO CLAIMS PRINCETON B.C.
SMITHMEEN ME. DATED JUNE 1971