

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO 3177 MAP

GEOCHEMICAL SURVEY

93x/3E OF THE

ROB AND FRAN CLAIM GROUPS

ENDAKO, B.C.

3177

Willard D. Tompson
Consulting Geologist

August 11, 1971

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GEOCHEMICAL SURVEY
OF THE
ROB AND FRAN CLAIM GROUPS
ENDAKO, B. C.

PROPERTY AND LOCATION

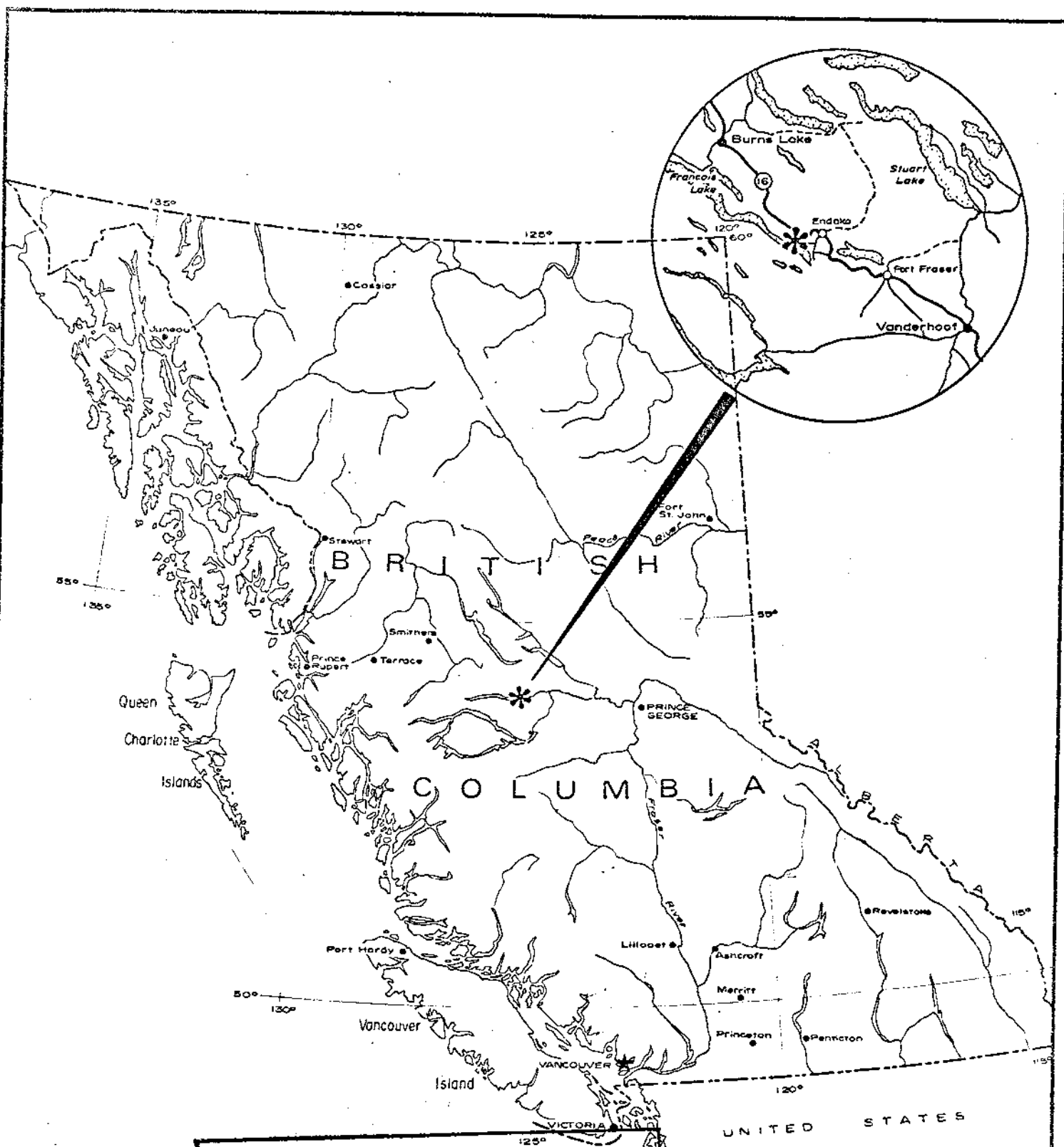
The Rob and Fran claim groups lie about one mile southwest of the Endako Mines Ltd open pit and are about seven miles southwest of the town of Endako, B. C. (Figures 1 and 2).

The Endako Mine is a major molybdenite mine with a production rate of over 25,000 tons per day.

The Rob Group consists of 22 claims; Rob 1 to Rob 22, record numbers 14180 to 14201.

There are six claims in the Fran Group;

<u>Claim</u>	<u>Record Number</u>
Fran 34	14140
Fran 36	14142
Fran 38	14144
Fran 40	14146
Fran 42	14148
Fran 44	14150

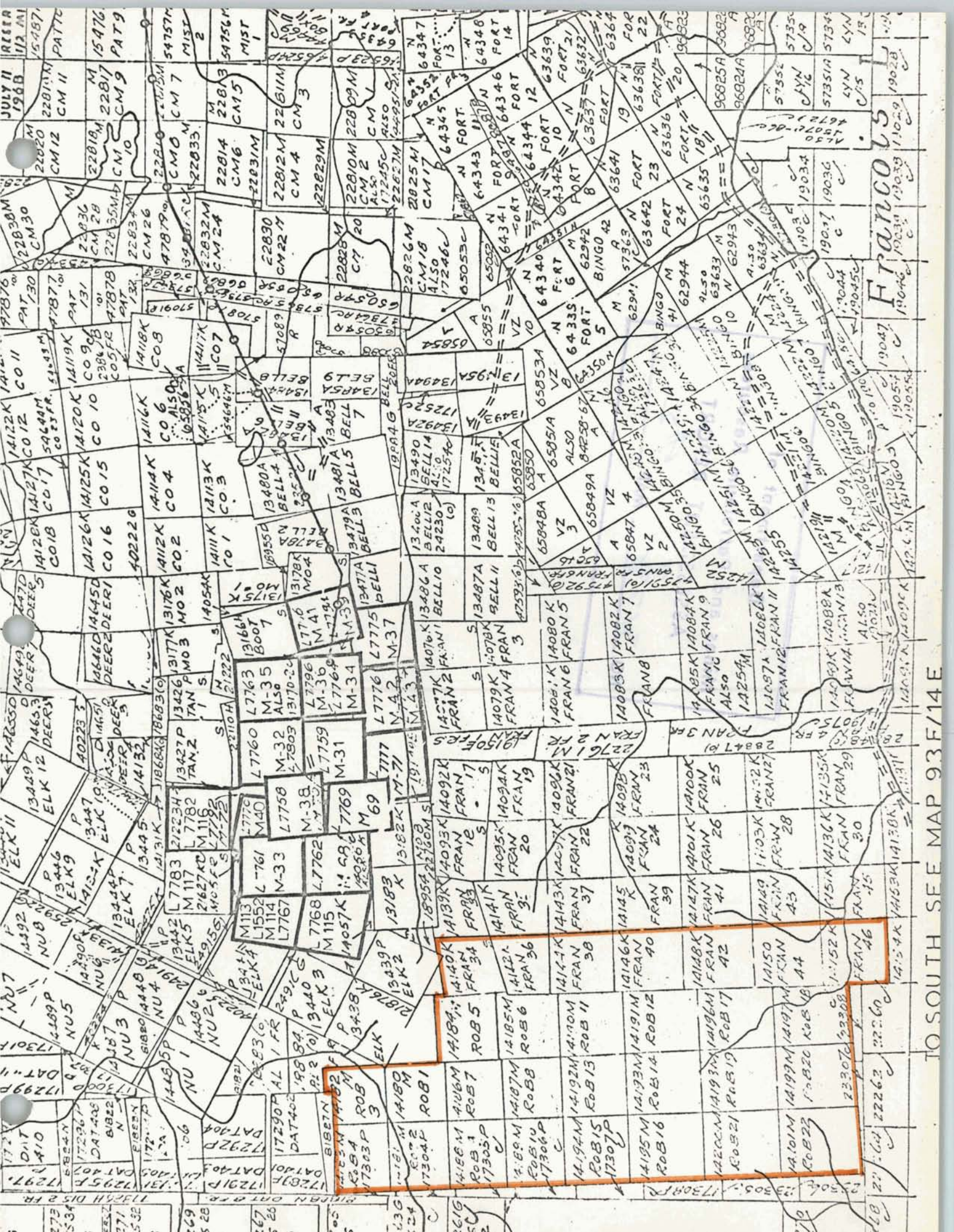


Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
 NO. 317 MAP #1

UTICA MINES LTD.
ROB & FRAN CLAIM GROUPS
LOCATION MAP

ENDAKO, B.C.

SCALE
 1" = 137 MILES



JULY 11 1968

FRANCO

TO SOUTH SEE MAP 93 F/14 E

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OWNERSHIP

Utica Mines Ltd, a Vancouver based company with offices at 2002-1177 West Hastings Street, Vancouver, B. C. owns the Rob and Fran claim groups.

GEOLOGY

The area is covered by glacial and glaciofluvial deposits which were observed to depths of 8 feet and which may be up to 30 feet thick. The material consists of poorly sorted boulders, gravel and silt. Clay and sand do not occur in significant amounts.

Bedrock was observed in a few places, but rock outcrops occur in only one or two percent of the area. Granite and aplite are the only rock types observed in outcrop or in old (1963) bulldozer trenches.

The granite and aplite are similar to the rocks which occur at the Endako mine. These rocks are part of the series of Topley intrusive rocks and are early Jurassic in age.

Topographic relief over the claim area is gentle with elevations ranging from about 3400 feet to 3600 feet. Locally, flat lying areas occur, and these are swampy.

GEOCHEMICAL SURVEY

Grid lines were cut over the claim area at a spacing of 400 feet, and marked pickets were placed on the grid lines at 100 foot intervals (Figure 2).

Sampling cuts were made with a garden mattock and soil samples were collected from the top of the "B" soil horizon. Samples were placed in manilla sample envelopes for shipment to the laboratory. Analyses were done by Crest Laboratories (B. C.) Ltd.,

Mesh size of sample	-80
Analytical Method	Atomic absorption plus colorimetric
Digestion Method	$\text{HClO}_4 + \text{HNO}_3$

Geochemical assay values range from less than 2 ppm to 30 ppm molybdenum. Assay values were plotted on a map (Figure 2) at scale, one inch equals 50 feet, and values were contoured.

COSTS

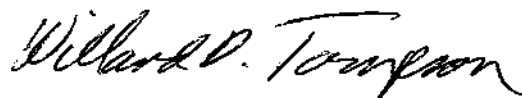
The sampling programme was conducted during the months of July and August, 1971.

Men employed in the soil sampling were: Willard Tompson, Alen Strachan, Jeffery Franklin and Kenneth Merrill.

Distribution of costs of the programme are as follows:

Labour	\$ 1,785.00
Board and room	1,248.00
Transportation	560.00
Assays	1,420.00
Geological & Engineering	975.00
Administration	300.00
Communications	200.00
	<hr/>
	\$ 6,488.00
	<hr/> <hr/>

Respectfully submitted,



Willard D. Tompson
Consulting Geologist

August 11, 1971

CERTIFICATE

I, Willard D. Tompson of West Vancouver, British Columbia, do hereby certify:

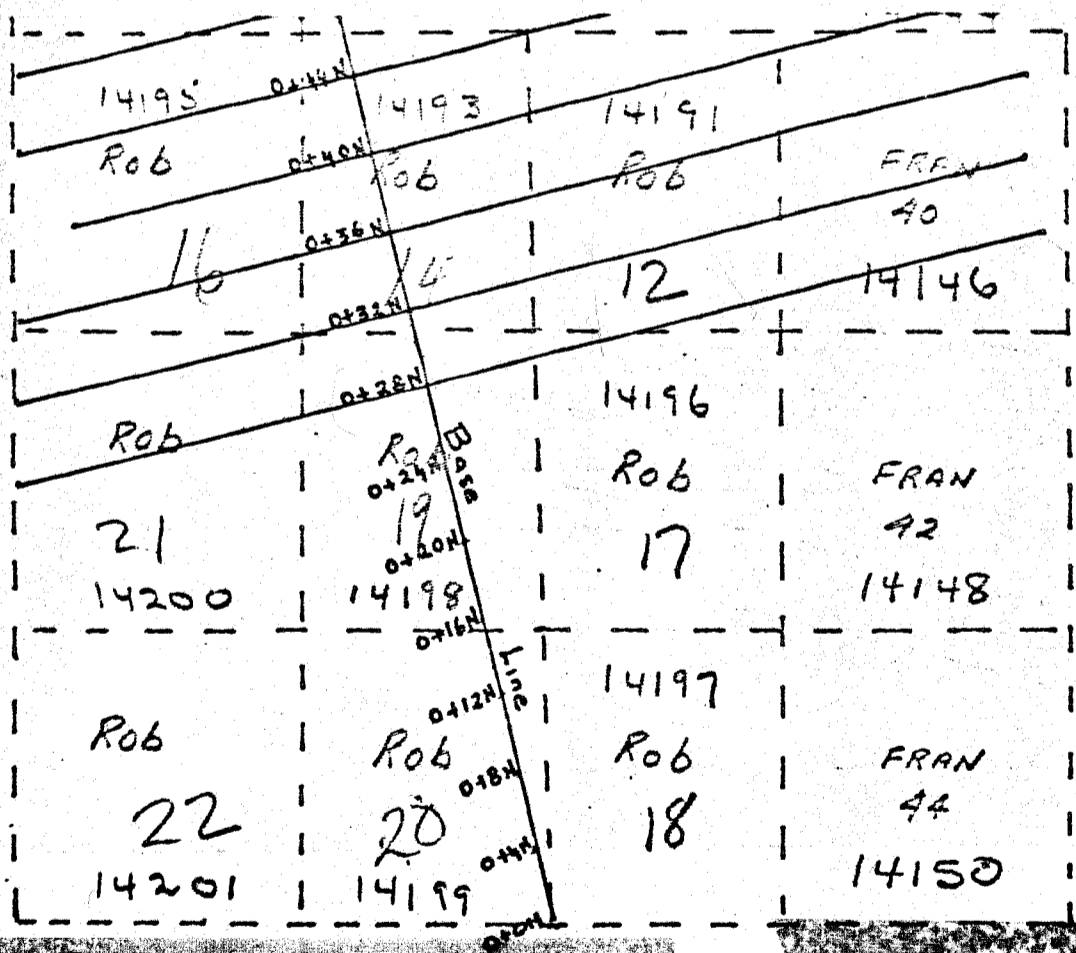
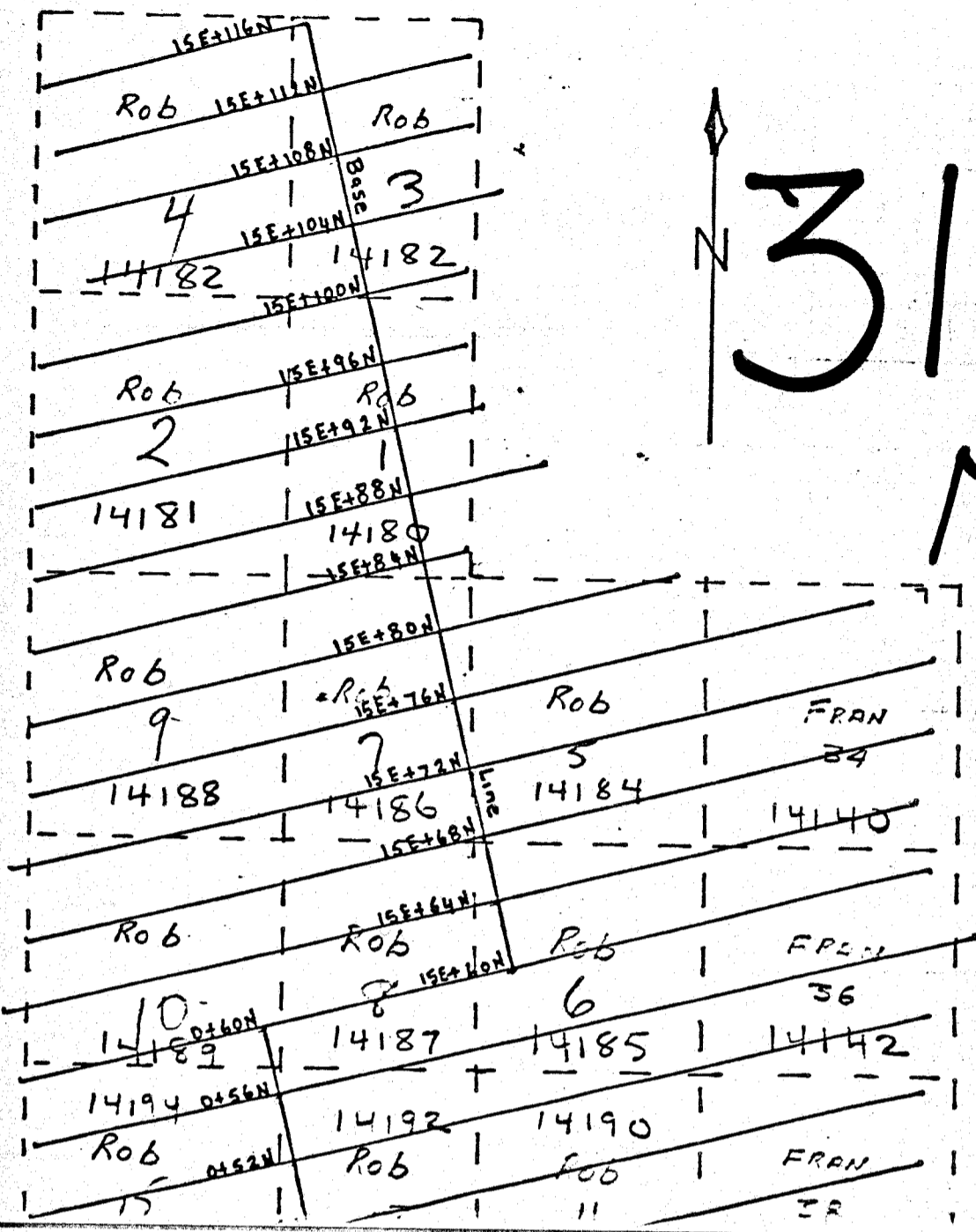
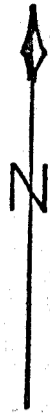
1. That I am a consulting geologist, residing at 3950 Bayridge Court, West Vancouver, B. C.
2. That I have practiced my profession for eleven years and am familiar with geochemical survey methods.
3. That I supervised the geochemical survey of the Rob and Fran Groups herein described.
4. That I have no monetary interest in the claims or Utica Mines Ltd., nor do I expect to receive any.



Willard D. Tompson
Consulting Geologist

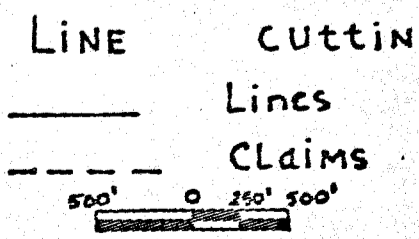
3178

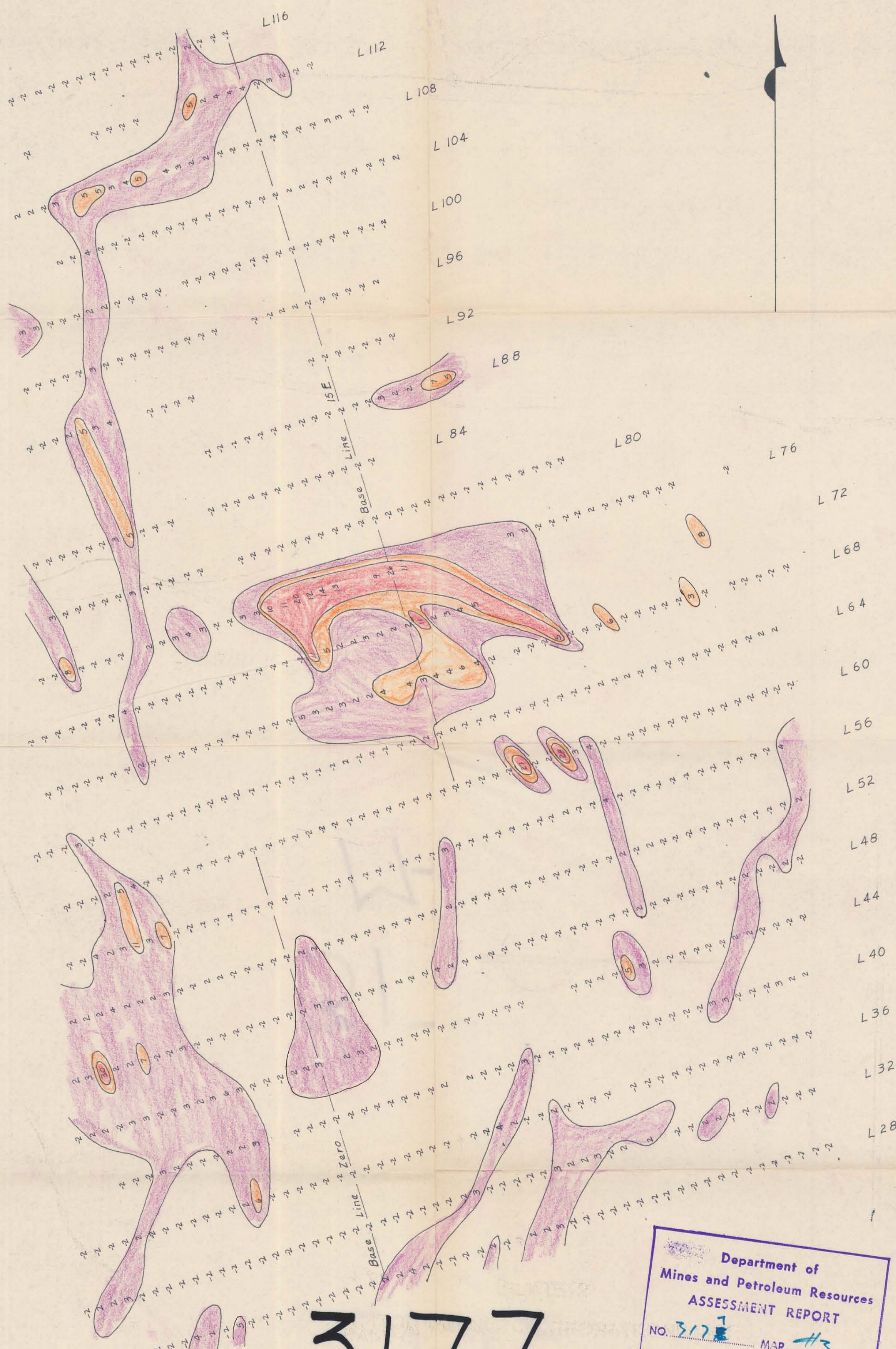
M-1



Department of
Mines and Petroleum Resources
ASSESSMENT REPORT

NO. 3178 MAP #1





EXPLANATION

	> 8 ppm molybdenum
	4-8 ppm
	2-4 ppm
	< 2 ppm
-2	Less than 2 ppm

3177

M-3

Department of
 Mines and Petroleum Resources
 ASSESSMENT REPORT
 NO. 3177 MAP #3

Utica Mines Ltd.
 Map Showing Molybdenum Content of Soil
 Rob and Fran Groups, Endako, B.C.
 Analyses by Crest Lab. (B.C.) Ltd.
 Mesh Size: -80
 Anal. Method: AA + Colorimetric
 Digestion: HClO₄ + HNO₃
 Willard D. Tompson August, 1971
 Scale
 0 500 1000 1500 3000 feet