

84-#723 + 12840

9/85



GRANGES
EXPLORATION LTD.

1110-625 HOWE STREET
VANCOUVER, B.C. V6C 2T6
TELEPHONE: (604) 687-2831
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GEOCHEMICAL AND GEOPHYSICAL REPORT

ON

"S" CLAIM (2116)

OMINECA MINING DIVISION

FAWNIE NOSE MOUNTAIN AREA

Latitude 53 degrees 16 minutes
Longitude 125 degrees 11 minutes

N. T. S. 93 F/6E

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

Held By

12,840

PART 1 OF 2

GRANGES EXPLORATION AKTIEBOLAG

1110-625 Howe Street

Vancouver, B. C.

V6C 2T6

August 21, 1984

G. W. Zbitnoff P. Eng

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ENCLOSURES

1 Plan showing sample locations Grid S-1

Scale 1:2500 /

3 Plans showing sample locations Grid S-2

Scale 1:2500 /

INTRODUCTION

The "S" claim is located in Central British Columbia approximately 470 Km N.N.W. of Vancouver, B. C. and lies approximately 115 Km S.W. of Vanderhoof, B. C. The claim is located in the Omineca Mining Division having a latitude of 53 degrees 16 min and a longitude of 125 degrees 11 min.

The claim is accessible by road using the Plateau Mill Kluskus-Ootsa road from Vanderhoof for a distance of 150 Km where it is joined by the Capoose Lake road which is passable to 4 wheel drive vehicles and tracked equipment.

The claim lies on the west flank of the Fawnie Range, with a large portion lying near the timberline which is quite stunted.

GEOLOGY

According to G.S.C. Memoir 324, Nechako River Map Area, British Columbia, the "S" claim is underlain by the Ootsa Group. The Ootsa group consists of basalt, andesite and related tuffs and breccias. Its age is shown as Cretaceous and (?) Tertiary.

Much of the area is overlain in the lowlands by swampy meadows, and the side slopes are covered by talus, glacial till and gravels. However, there are locations along the eastern slopes of the claim where andesite outcrops.

SURVEY GRID

The control baselines lie in an east-west direction. The 00 baseline lies along the S boundary at the "S" claim with a baseline of 11+00 N running through the middle of the "S" claim and a tie line at 20+00N near the N boundary of the S claim. Crosslines are run at 100 meter intervals W from 34E, with some fill in lines at 50 meter intervals.

GEOCHEMICAL SURVEY

A total of 643 samples were collected in 2 surveys, S1 and S2. 409 samples were collected on lines 100 meters apart and a further 174 samples were collected on fill in lines, to give 50 m line spacings in anomalous areas. These samples were assayed for Ag, Mo, Cu, Pb, Zn, As, Au, Bi, Sb and Cd.

Soil samples at the Upper "B" horizon were obtained at an average depth of .3 meters with the use of augers. These samples were taken at 25m intervals along picket lines. The samples were then placed in Kraft soil envelopes and delivered to Acme Analytical Laboratories Ltd. 825 Hastings St. Vancouver, B. C. The samples are dried for approx. 16 hours at 75 degrees C. and pulverized to -100 mesh. A 0.5 gram sample is digested with diluted aqua regia at 95 degrees C per one hour and diluted with demineralized water. Analysis is by I.C.P. For gold a 10 gram sample is used and analysis is by atomic absorption.

In addition 2 trenches were dug, T1 on line 25E and T2 on line 27E and reached depths of 125 and 82 cm respectfully. The trenches were sampled, and in addition rock samples were collected from the surface.

DISCUSSION OF RESULTS

A coincident silver, lead, arsenic and gold anomaly was disclosed by the survey on grid S1. Aside from one anomalous gold zone between lines 16E 10+75N & 19E 12+50N the gold high tend to be rather erratic.

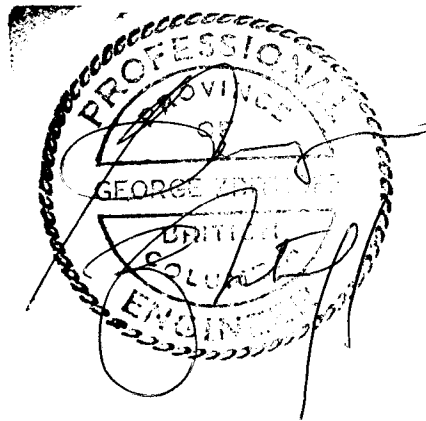
The grid S2 survey disclosed a number of high gold values. 2 gold anomalies were trenched. Trench T1 on line 25E confirmed high gold values in gossans near bedrock but trench T2 on line 27E did not find any significant values.

The silver anomalies tend to be areally extensive east of line 31E. High silver values do tend to have coincident high gold values for example on line 32E where 125 ppb gold is coincident with 5.7 ppm silver and just south of 13.1 ppm silver.

Some geophysics was carried out over the anomalous areas and the geochemical anomalies mentioned were substantiated. The geophysical report prepared by Glen E. White of Vancouver, consultant for Granges Exploration, is attached.

RECOMMENDATIONS

Trench T2 should be deepened and further sampled and the other anomalies should be looked at in detail and trenched.



EXPENDITURES

Assays

643 Soil samples @ \$10.25	\$ 6,590.75
6 Rock samples @ \$ 2.75	\$ 16.50

Acme Analytical Labs
852 East Hastings St.,
Vancouver, B. C.

Food & Board

Total cost	\$ 1,535.04
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Supplies

Vanderhoof, B. C.	\$ 974.50
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Transport & Communication

Helicopter Costs 1.7 hours @ \$430.	\$ 858.16
Gas Costs	\$ 1,097.66
	<u>\$ 1,955.82</u>

Supervision

Mr. E. W. G. Fluskey - 16 days @ \$92.50	\$ 1,480.00
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Personnel

Mr. K. Taylor - 3 days @\$65.00	\$ 195.00
Mr. D. Beach -12 days @\$55.00	\$ 440.50

Reports & Drafting

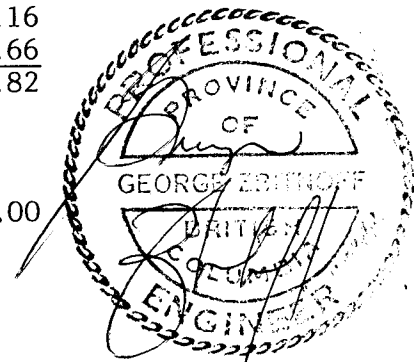
Drafting & Enclosures

Mr. C. Ulanday - 8 days @ \$83.33	\$ 666.64
Ms. J. Owens - 5 days @ \$88.10	\$ 440.50

Report Writing

Ms. J. Owens - 3 days @\$88.10	<u>\$ 204.30</u>
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<u>TOTAL COSTS</u>	<u>\$14,779.05</u>
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Granges Exploration Aktiebolag

STATEMENT OF QUALIFICATIONS

Name: Zbitnoff, George Wm.

Profession: Geologist

Professional Associations:

Member of the Association of Professional Engineers of the Province of Manitoba since 1969.

Member of the Association of Professional Engineers of the Province of British Columbia since 1973.

Member of the Canadian Institute of Mining and Metallurgy.

Experience:

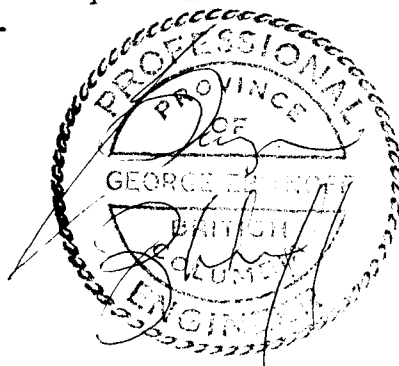
Pre graduation experience in geology with the Department of Mineral Resources of Saskatchewan.

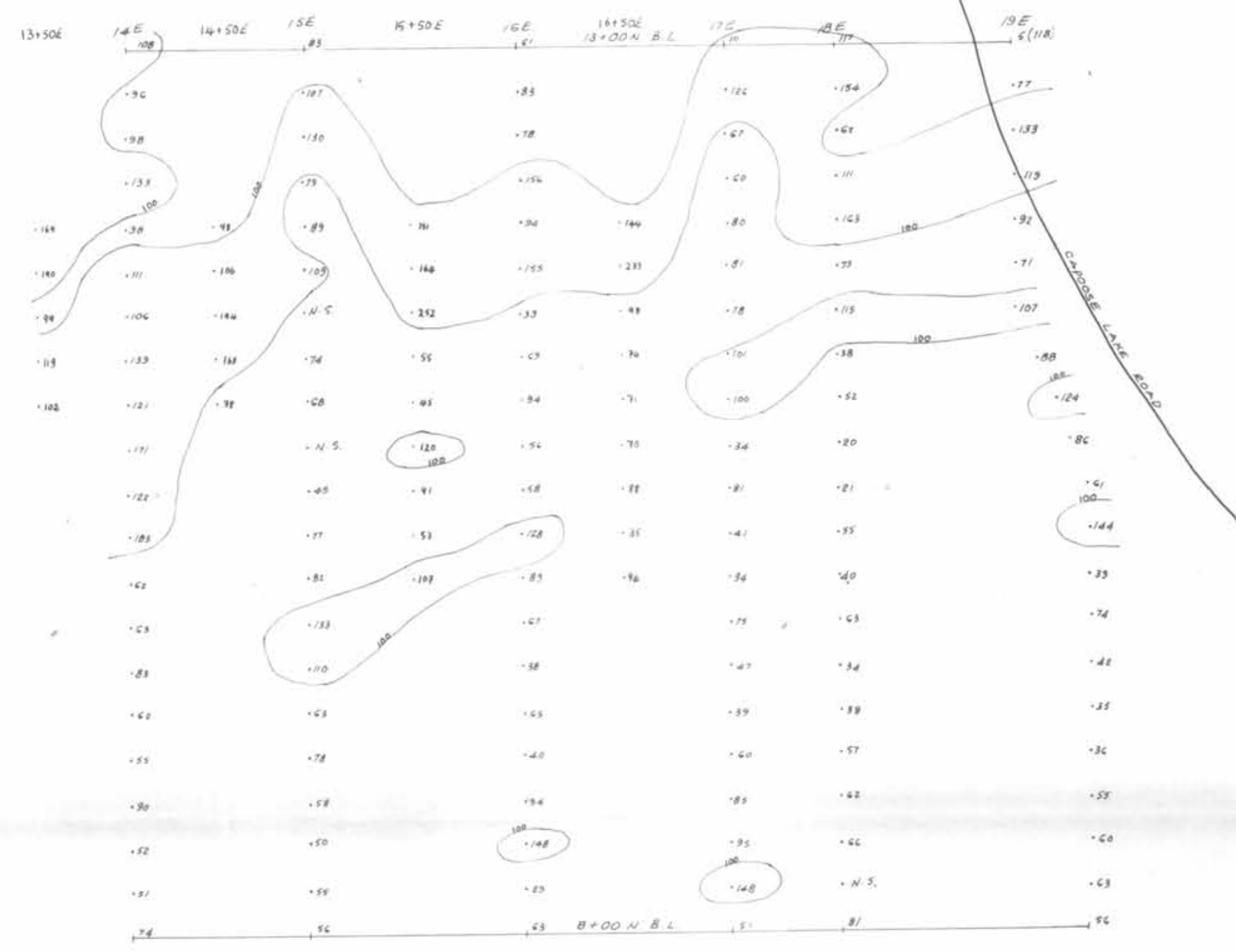
Two and one half years, field geologist with Hudson Bay Exploration and Development, Central Canada.

Six years, field and resident geologist with Noranda Exploration Ltd., Central Canada.

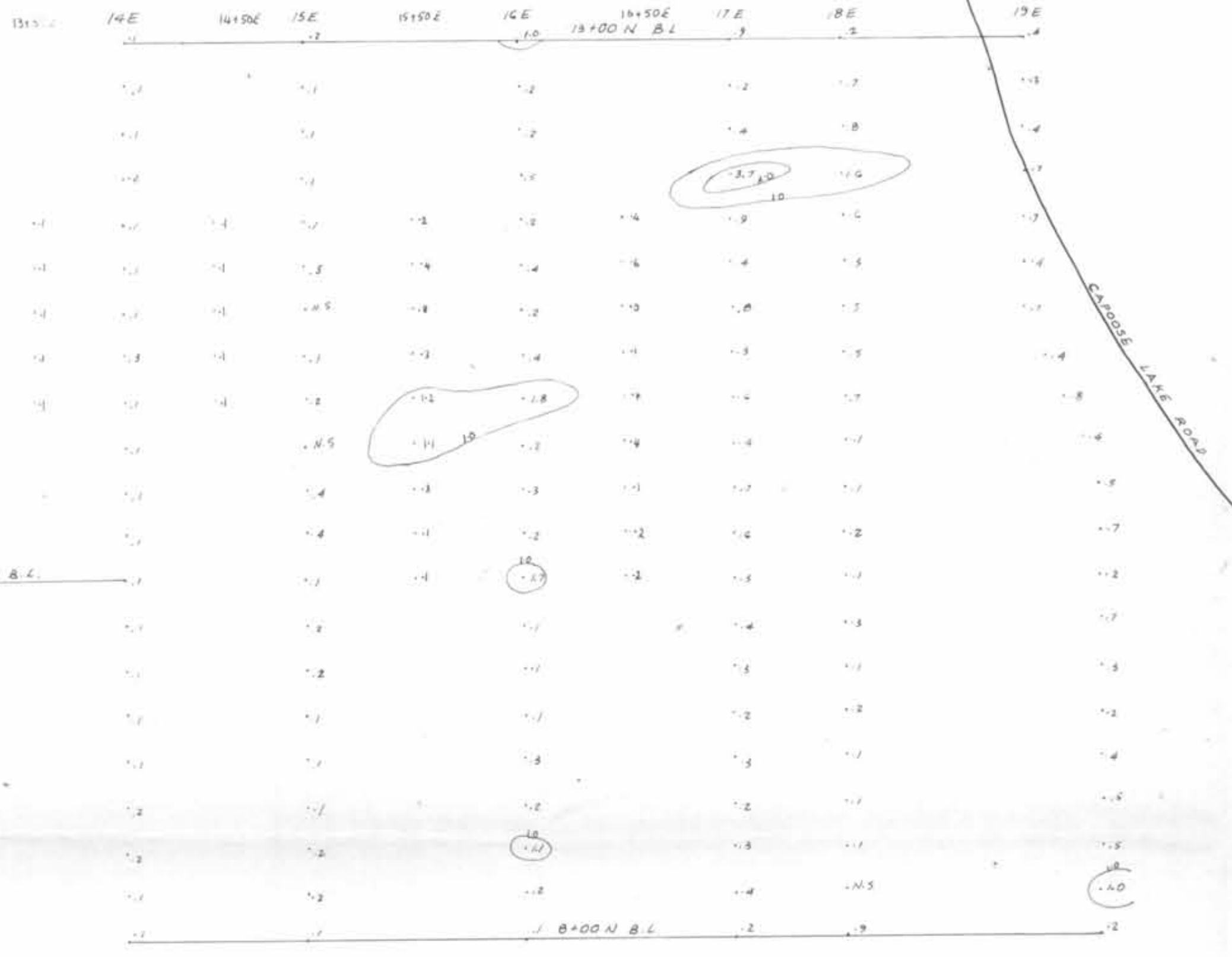
Thirteen years geologist and Assistant Manager at Granges Exploration Aktiebolag, Canadian Division, Vancouver, B. C.

Active geological experience in all provinces of Canada and parts of the United States and Mexico.

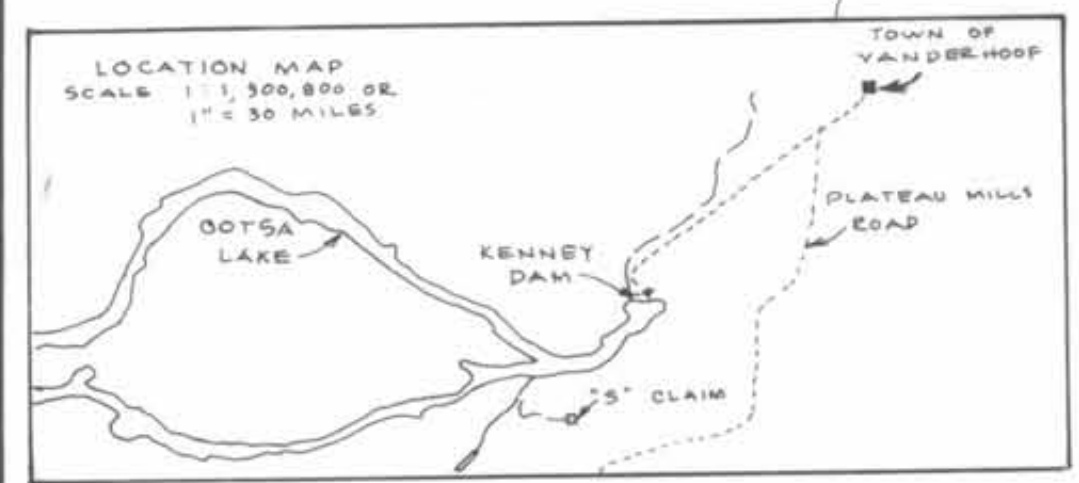
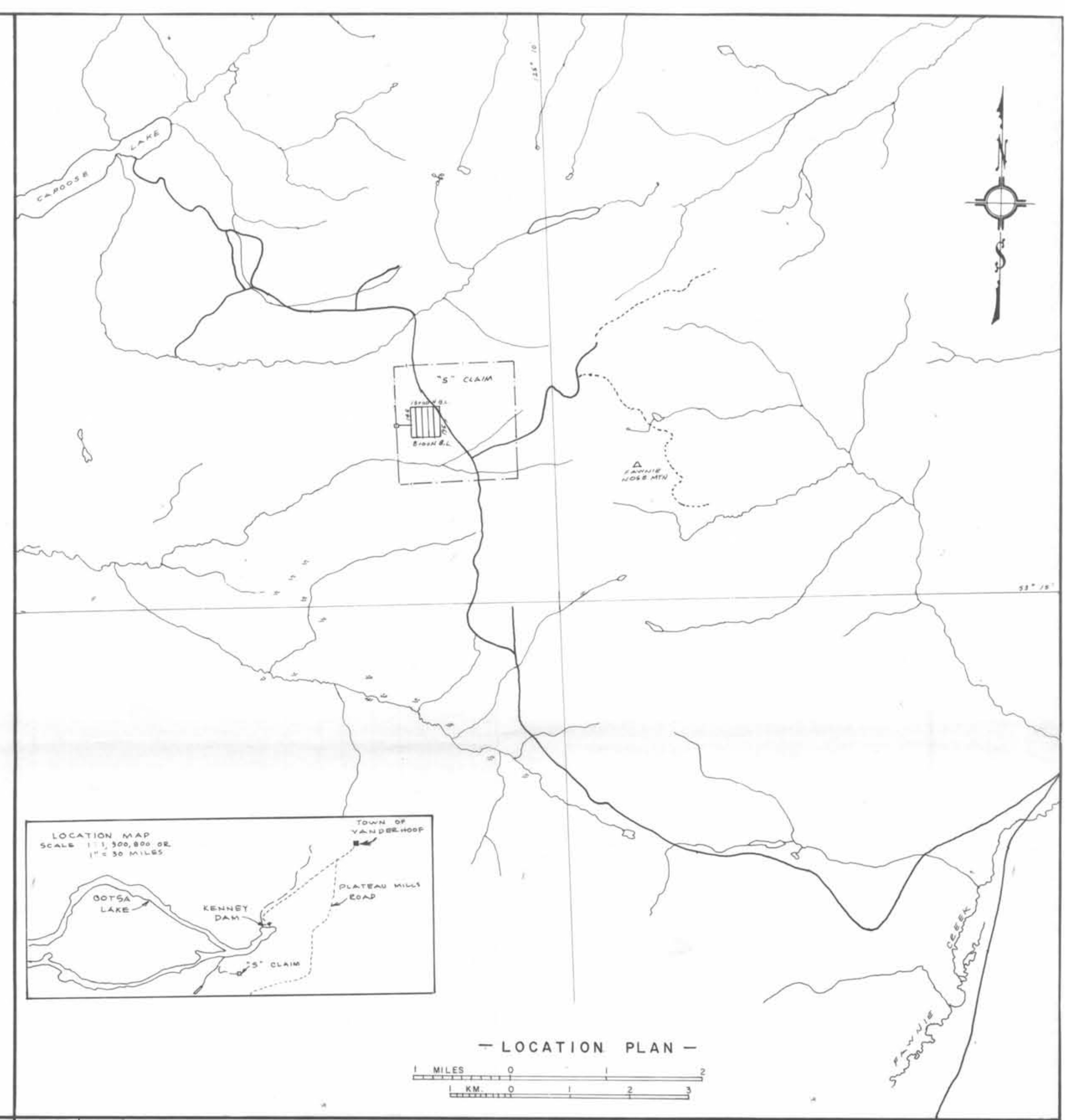




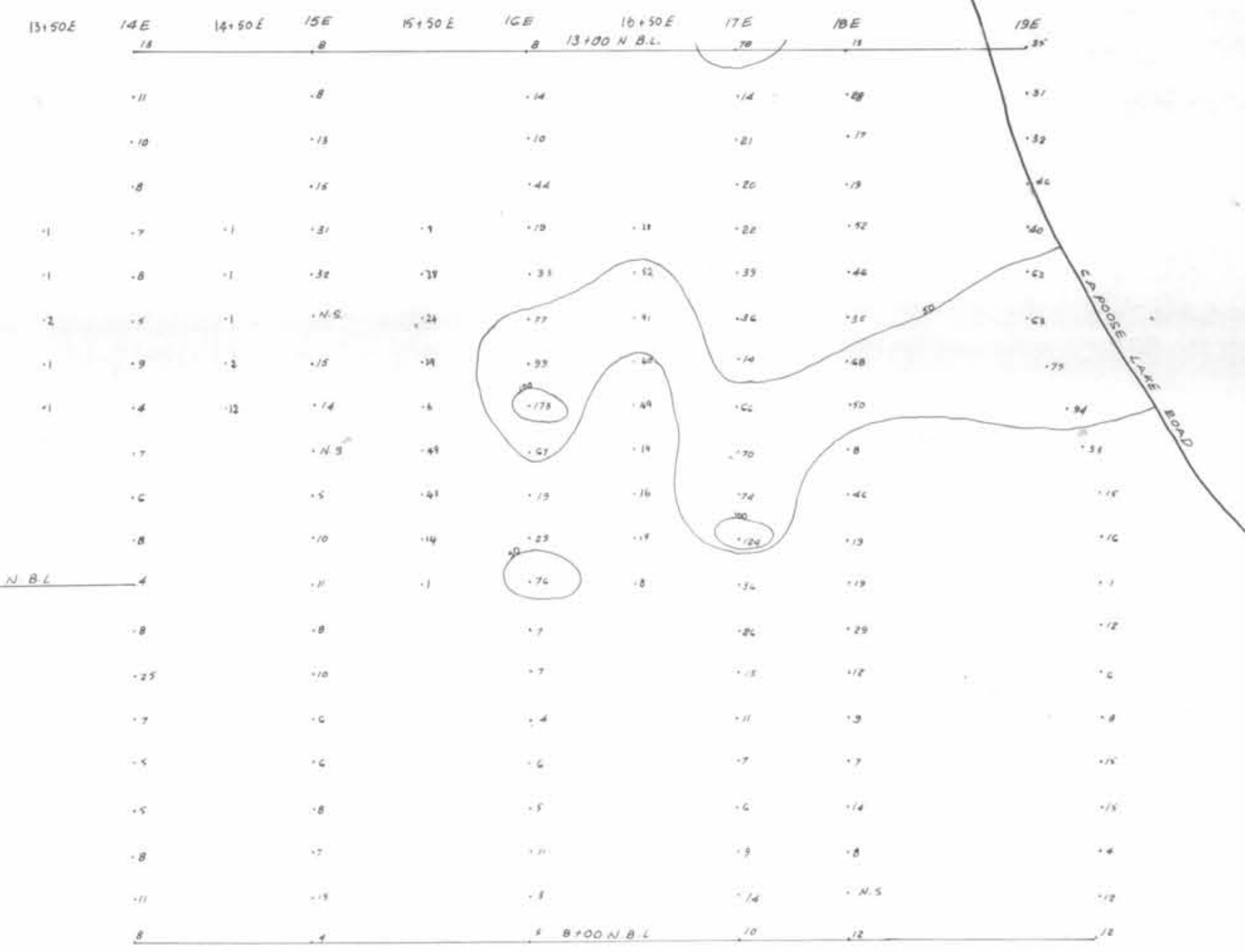
ZINC PPM



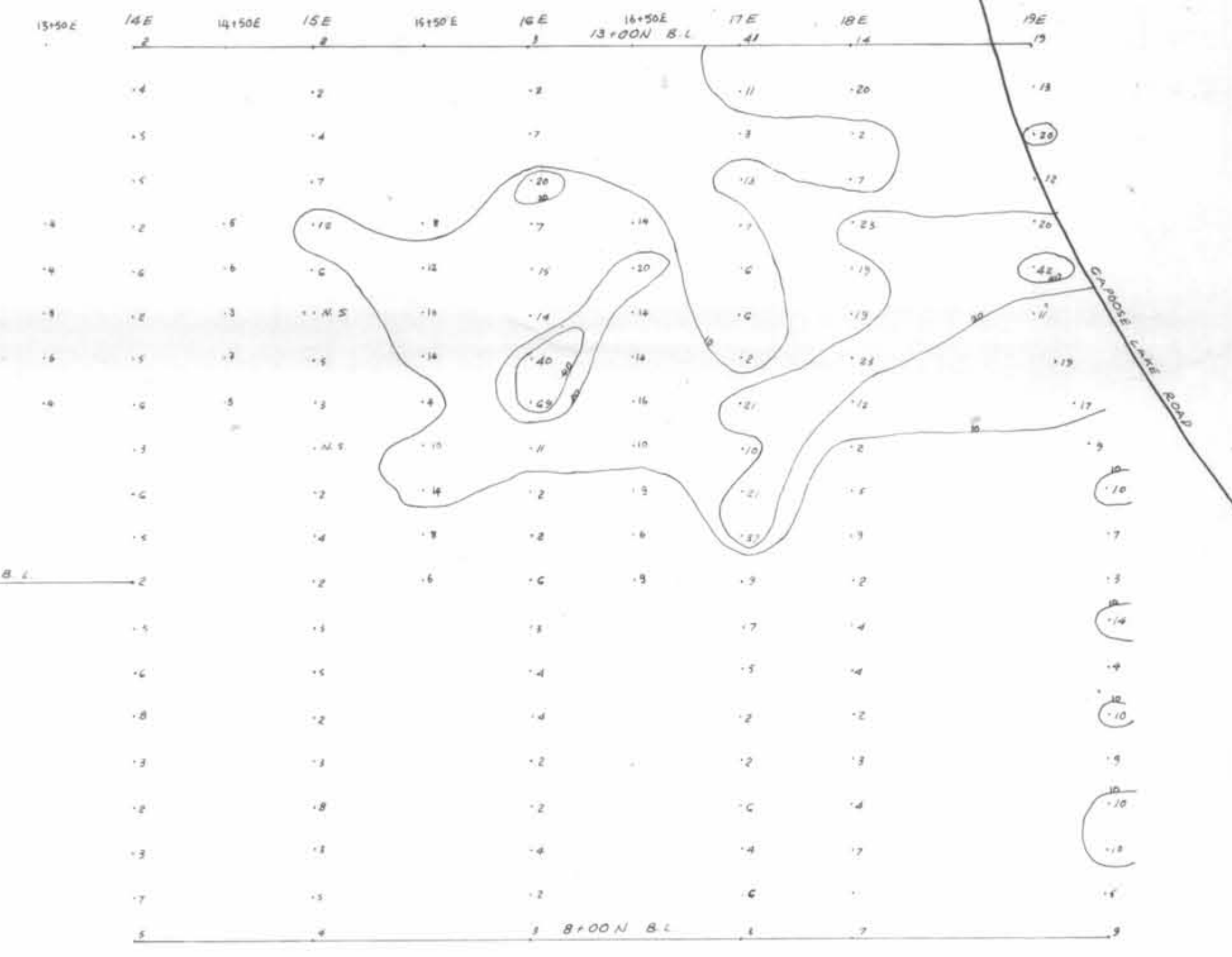
SILVER PPM



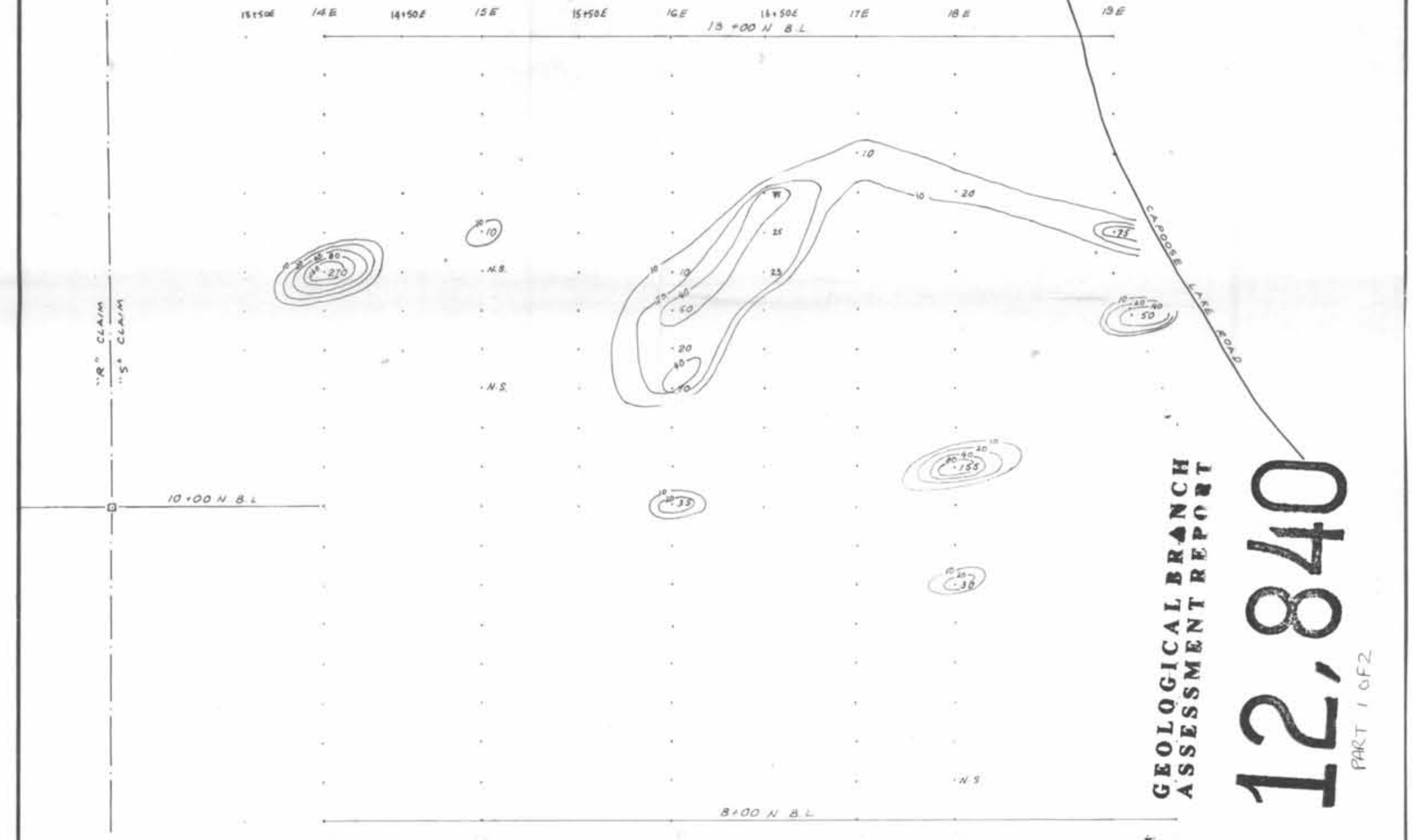
LOCATION PLAN



LEAD PPM



ARSENIC PPM



GOLD PPB

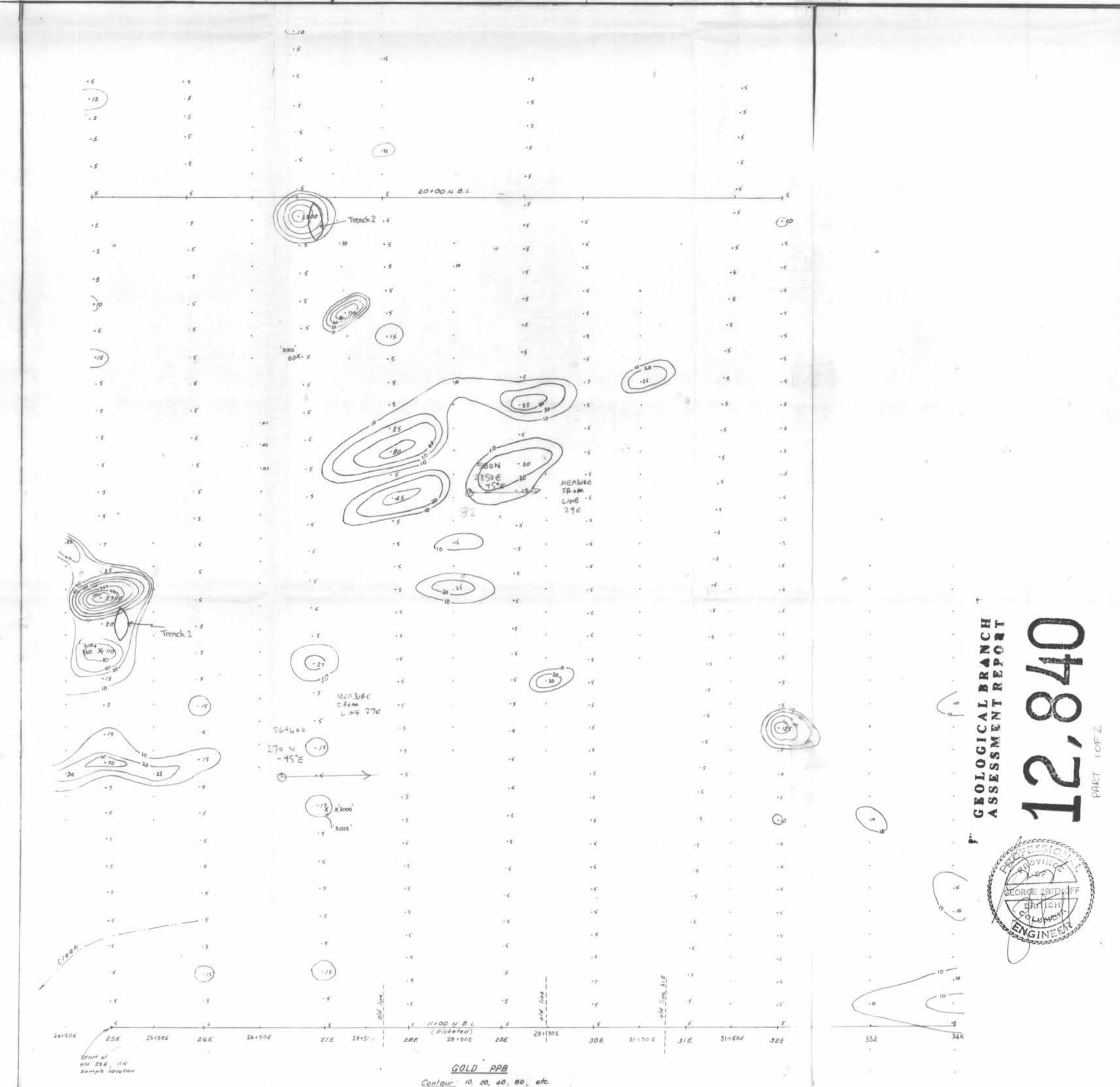
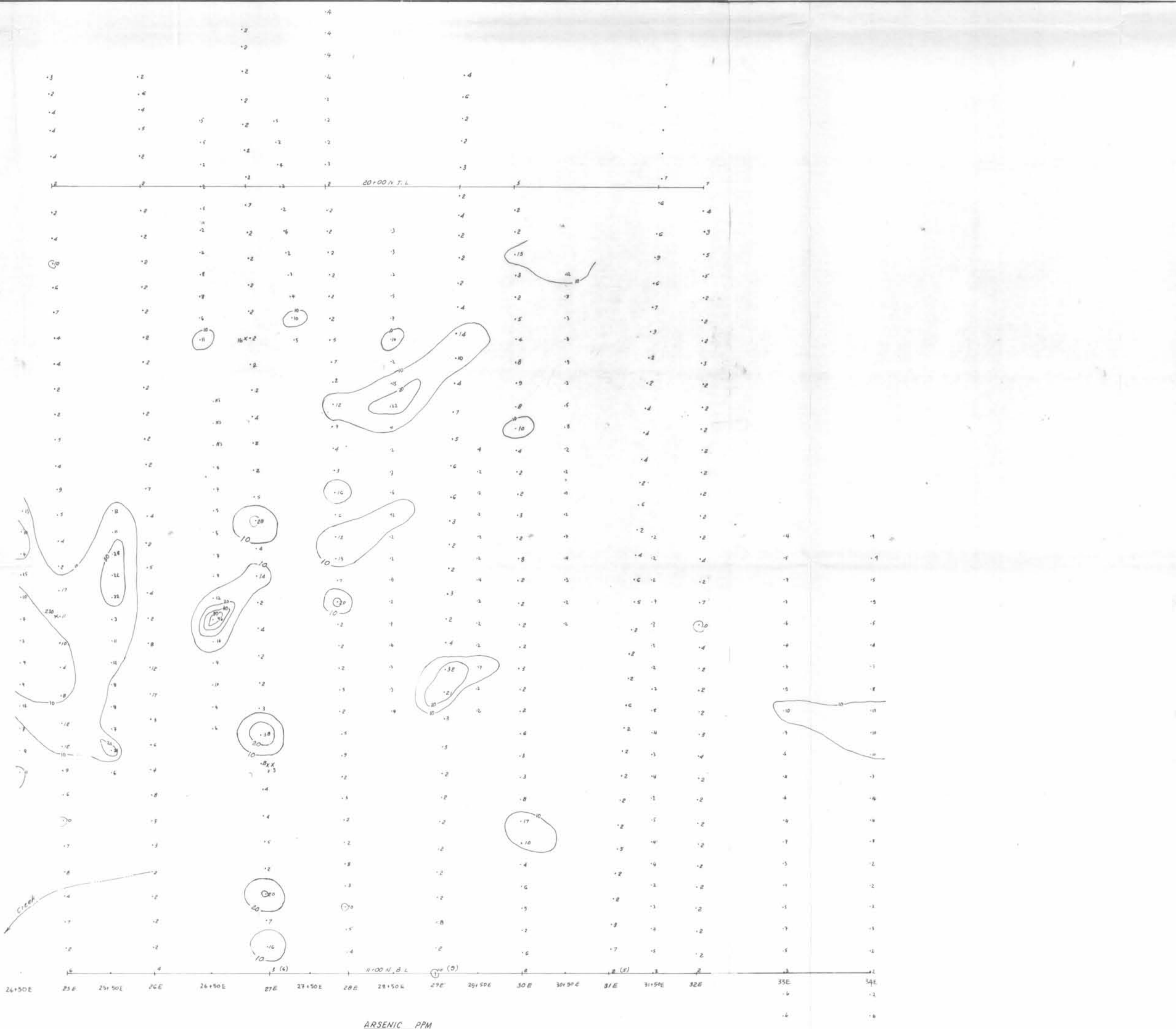
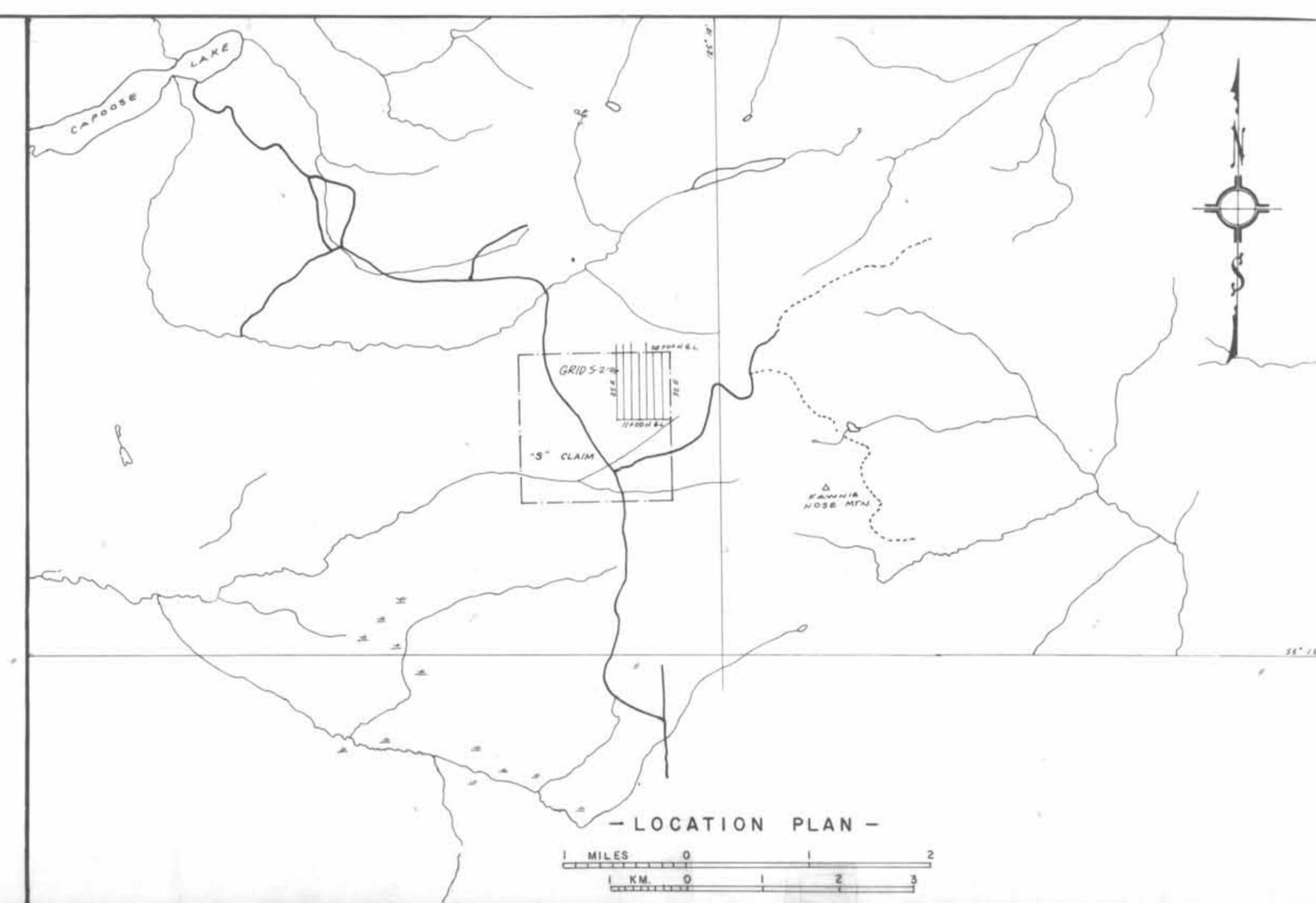
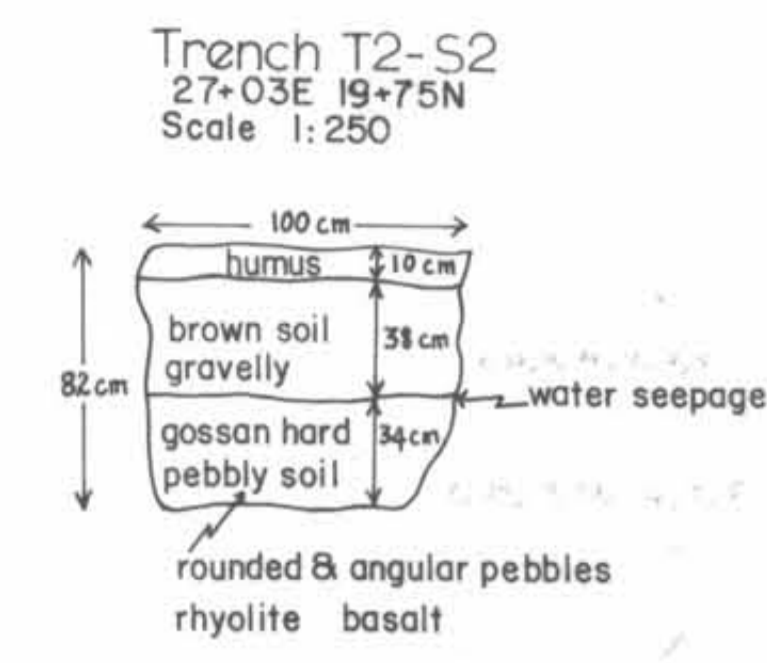
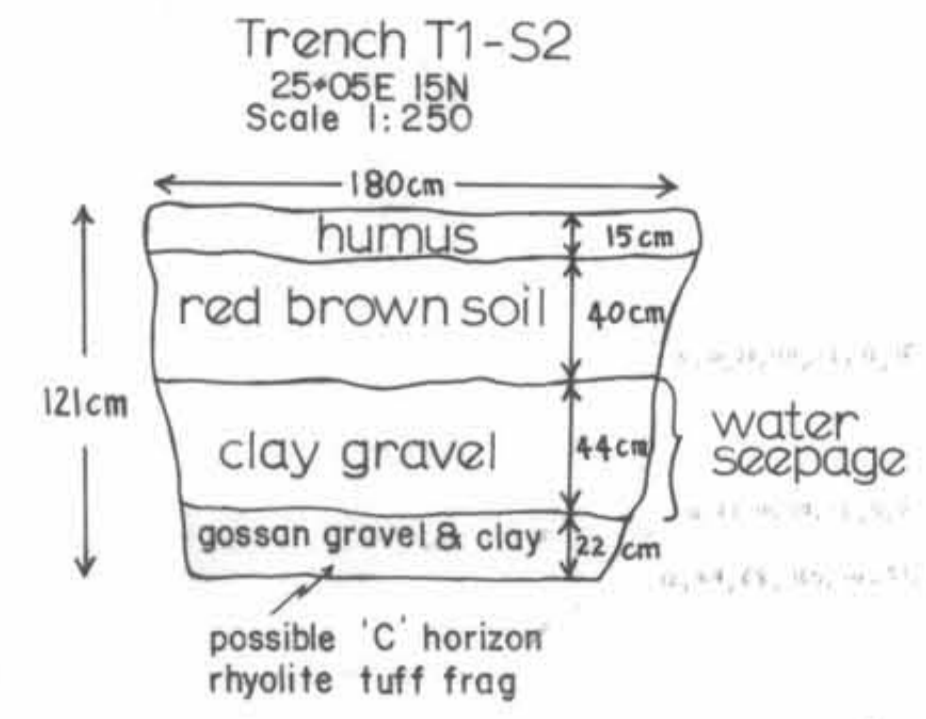
NOTE: 5 ppb Au not plotted
 NS means no sample
 * Lines are blazed and well marked with orange ribbon
 * Old lines have pink ribbon

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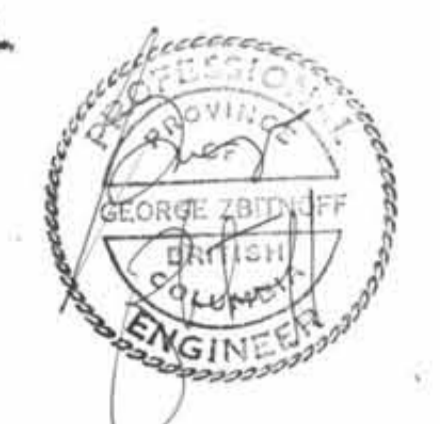


DRAWN BY: C U	GRANGES EXPLORATION LTD.	SCALE: 1:2500
DATE: June, 1984		PROJECT No: 113
SOIL GEOCHEMICAL SURVEY FOR Au - Ag - As - Pb - Zn "S" CLAIM (1113) CAPOOSE JOINT VENTURE Capoose Lake Area - B.C.		N.T.S. No: 33 P-4E

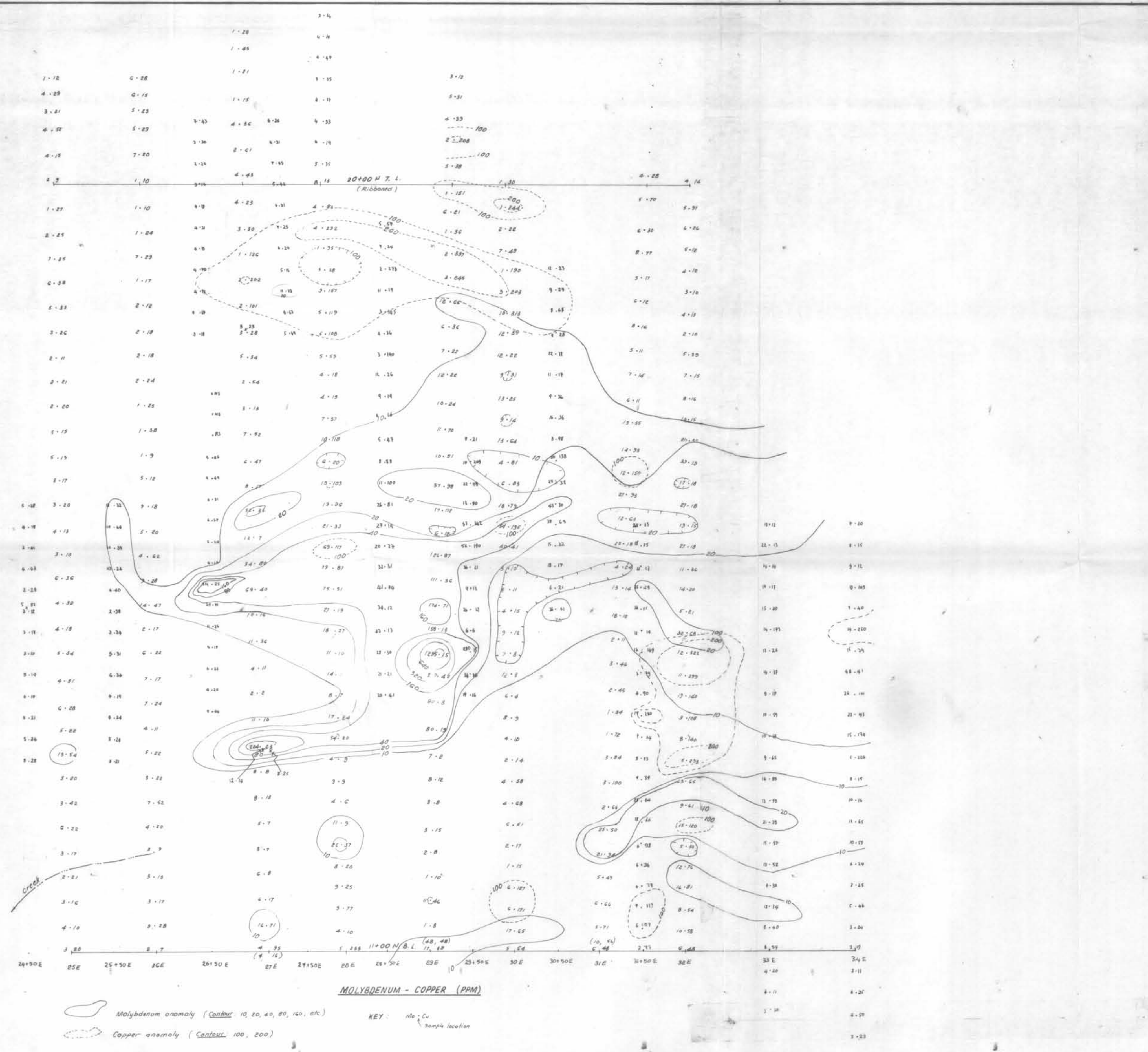
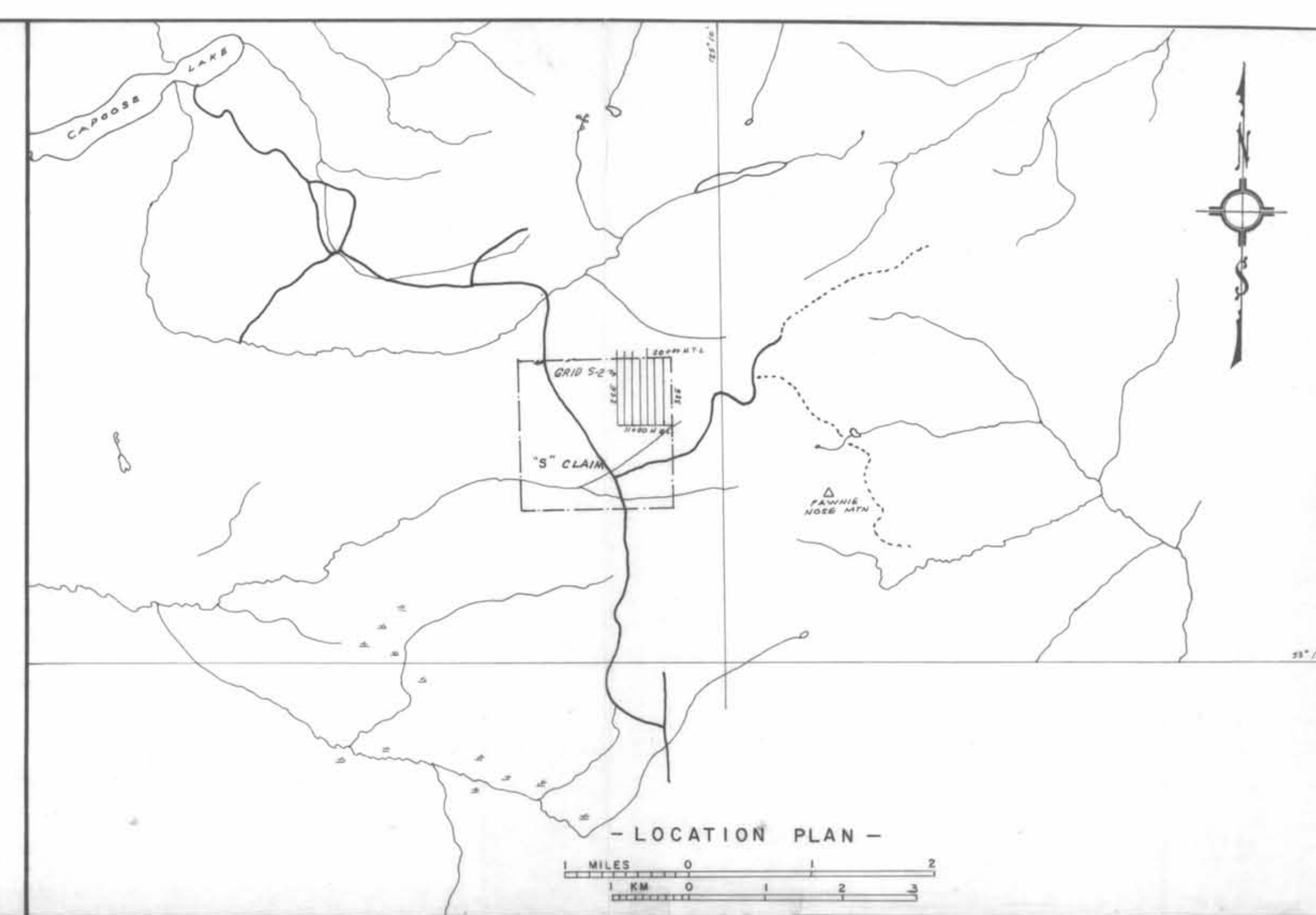
TRENCHES



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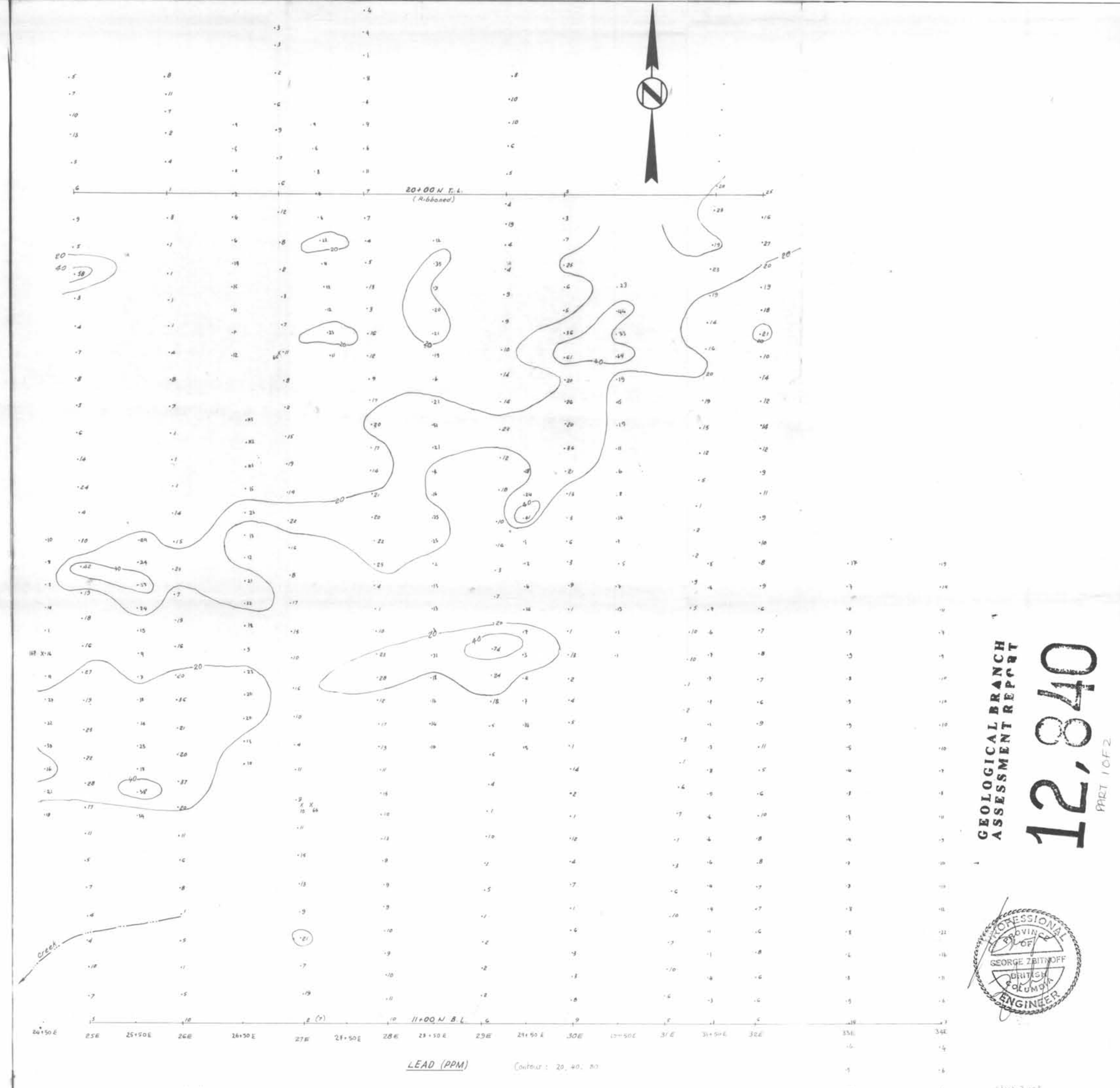
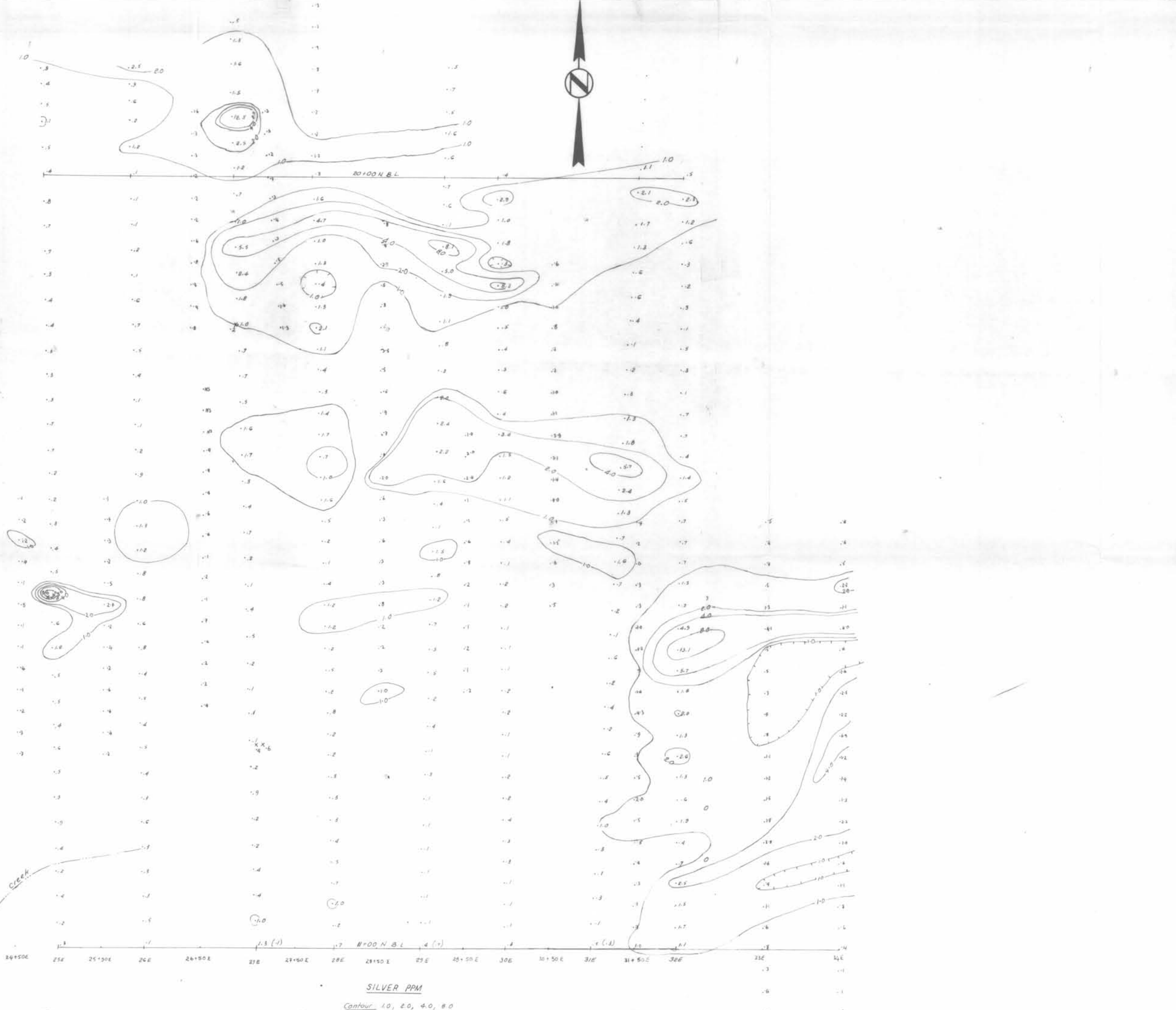
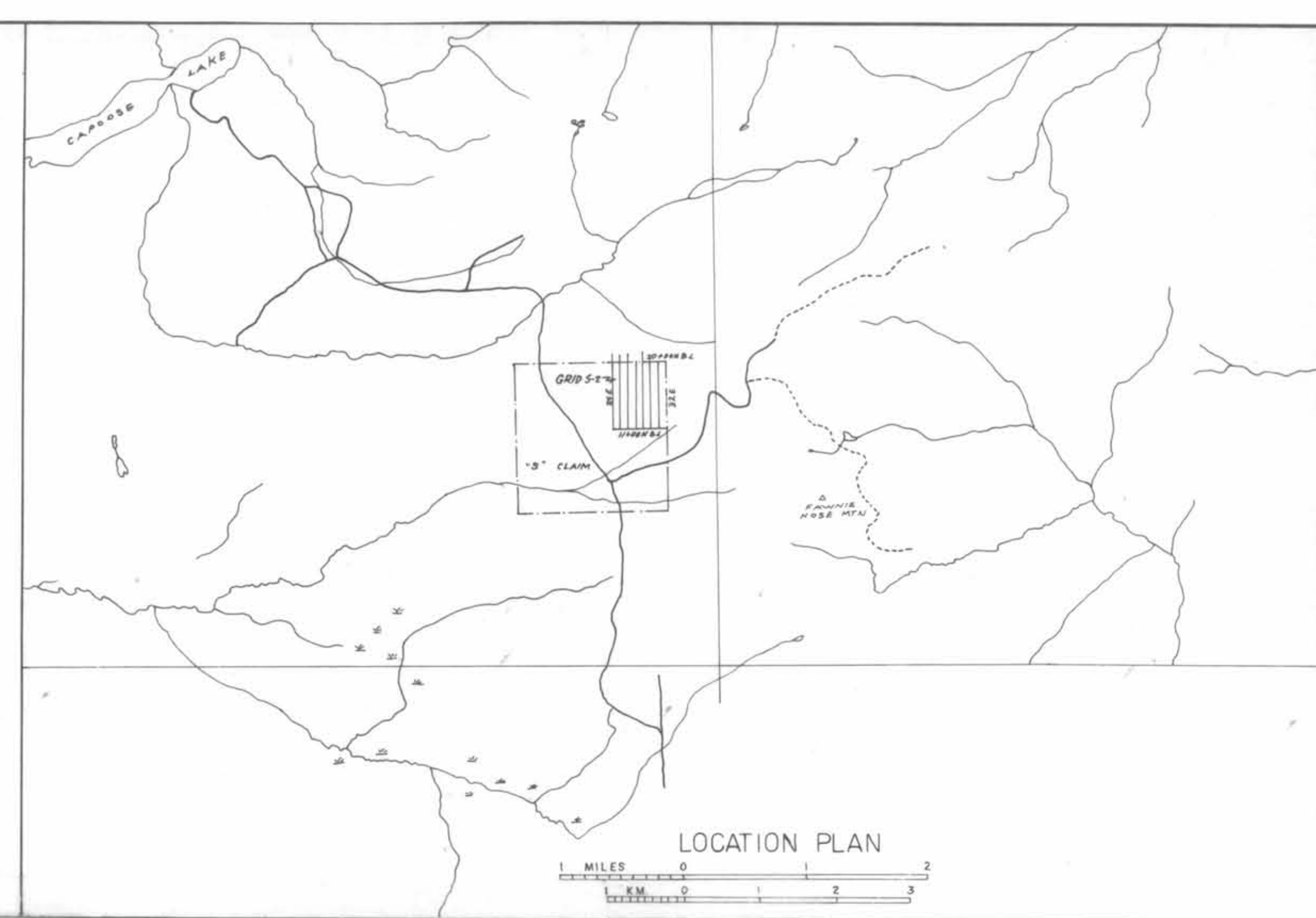


DRAWN BY: C U	GRANGES EXPLORATION LTD.	SOIL GEOCHEMICAL SURVEY FOR Au, As GRID 3-2 5' CLAIM (SNC) CAPOOSE JOINT VENTURE Capoose Lake Area - B.C.	SCALE: 1:2500
DATE: July, 1984			PROJECT No.: 113
			N.T.S. No.: 33-P-66



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 PROJECT No. 113
 N.T.S. No. 93-11-02

DRAWN BY: C. J. DATE: July, 1964	GRANGES EXPLORATION LTD. SOIL GEOCHEMICAL SURVEY FOR 20-176-00 GRID 5-2 "5" CLAIM (110) CAPOOSE JOINT VENTURE Capoose Lake Area - B.C.	SCALE: 1:2500 PROJECT No. 113 N.T.S. No. 93-11-02
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DRAWN BY: J.S.O.	GRANGES EXPLORATION LTD.	SOIL GEOCHEMICAL SURVEY FOR GRANGES CLAIM CAPOOSE JOINT VENTURE CAPOOSE LAKE AREA - BC	SCALE: 1:2500
DATE: July, 1990			PROJECT No.: 113
			N.T.S. No.: 98-F-66