



GRANGES EXPLORATION AB  
CANADIAN DIVISION

GEOCHEMICAL REPORT

ON

"B" and "D" CLAIMS

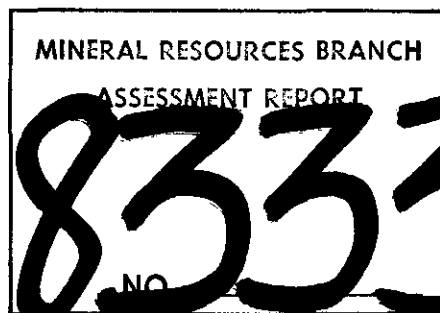
OMINECA MINING DEVISION

FAWNIE NOSE AREA

LATITUDE: 53° 19'

LONGITUDE: 125° 10'

N.T.S 93F/6 E



Owner and Operator

Granges Exploration Aktiebolag  
1110 - 625 Howe Street  
Vancouver, B. C.  
V6C 2T6

Date of Work: June 13th - June 22, 1980

Dated at Vancouver, B. C.  
October 20, 1980

Author: G.W. Zbitnoff, (P. Eng.)

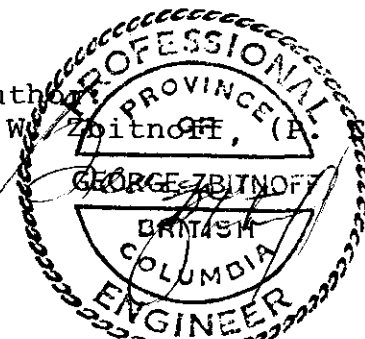
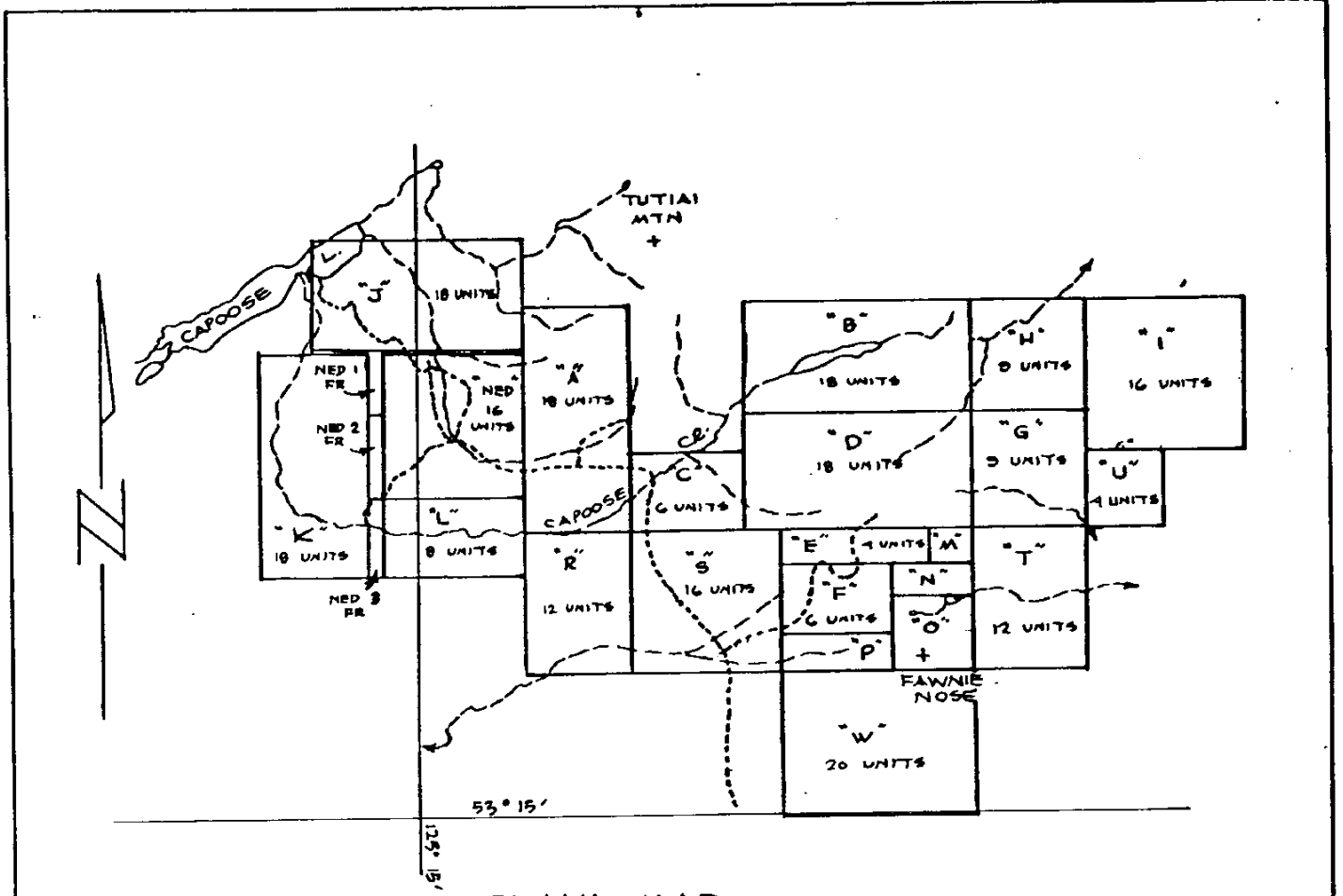


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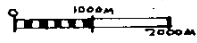
ENCLOSURES

Map Geochemical Survey for Gold  
"B" and "D" Claims  
Scale 1: 5000'

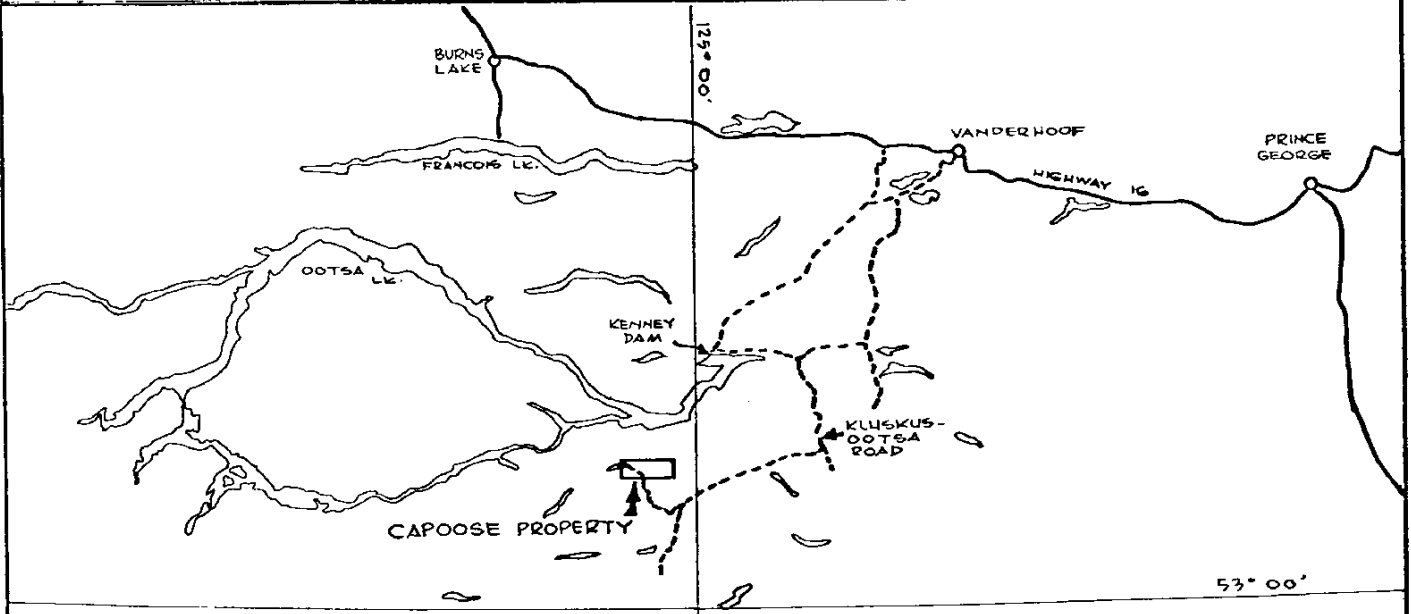


**CLAIM MAP**

SCALE 1:100,000

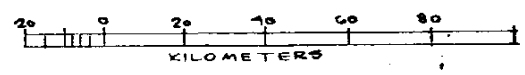


N.T.S. No 93F-G



**LOCATION MAP**

SCALE 1:1,500,800



## INTRODUCTION

During the period of June 13th to the 22nd, 1980, Granges Exploration Aktiebolag's three man crew, which was headed by Mr. Ken Taylor worked on the "B" claim.

The exploration program consisted of re-establishing the old grid and geochemical soil sampling. The claims were soil sampled at 100 meter intervals along the grid lines. These samples were assayed Au.

This survey was conducted by Granges Exploration Aktiebolag in an effort to locate zones of which would require further investigation.

## CLAIMS

The claim referred to in this report is the "B" claim, consisting of 18 units, tag # 01382, record # 150 having a recording date of September 26, 1975.

## LOCATION AND ACCESS

The "B" claim is located approximately 110 kilometers south south-east of Burns Lake, B.C. which was the helicopter supply point for the work program.

The "B" claim is located  $53^{\circ} 19'$  latitude and  $125^{\circ} 10'$  longitude.

Access is via helicopter from Burns Lake. Large amounts of equipment can be moved by road via the Kluskus-Ootas road from Vanderhoof for a distance of 150 kilometers where it is joined by the Capoose road.

The equipment can then be shuttled via helicopter to the claims, a distance of 15 kilometers, to the north north-east.

The claims lie on a rugged portion of the Fawnie Range. The elevation on the claims vary from 1945 meters on the south boundry of the "B" claim to 1495 meters through the central portion of the claim where Green Lake is situated increasing to 1785 meters on the northern boundry. Much of this area is covered by talus.

#### GEOLOGY

According to G.S.C. Memior 324, Nechako River Map Area, British Columbia, the "B" claim is underlain by Takla group (unit 2) which consits of andesite and basaltic flows, tuffs and breccia, interbedded argillite and minor limestones. The geology of the claim area was not noted during the geochemical survey as emphases was placed on the geochemical survey itself. Much of the slopes are talus covered and the ridges rusty due to the pyritic weathering.

#### SURVEY GRID

The grid was re-established as near to the 1976 locations as possible. The base lines were reconstructed on the north of Green Lake at 7+00 N and at 2+00 S near the south-west corner of the claim block. The cross lines were completed at 100 meter intervals with stations every 100 meters. Cross lines were established using Brunton Compass and hip chains. The stations were marked with flagging and pickets, a total of 3.1 kilometers.

Baseline and 47 kilometers of cross lines were re-established for the purpose of geochemical survey.

#### GEOCHEMICAL SURVEY

A total of 458 samples were taken on the "B" and "D" claims. The samples were assayed for gold.

Soil samples of the upper "B" horizon were obtained at an average depth of 0.3 meters with the use of augers. These samples were taken at 100 meter intervals along the picket lines. The samples were then placed in kraft soil envelopes and delivered to Acme Analytical Laboratories Ltd., 852 East Hastings Street, Vancouver, B. C. The samples are dried for approximately 16 hours at 75° centigrade and sieved to -80 mesh. Geochemical analysis of gold was done by obtaining a 10 gram sample which has been ignited over night at 600° centigrade and is digested hot with diluted aqua regia, and the clear solution is extracted with methyl isobuthyl ketone. The determination is done by atomic absorption from the methyl isobuthyl ketone extractant with background correction.

#### DISCUSSION OF RESULTS

Gold is plotted in P.P.B. on the enclosed plan, shows many spot erratics. Other than the spot erratics which are found throughout the claim, a long linear anomaly which begins from the east central portion of the western claim line and continues in a south-westerly direction across Green Lake to the central portion of the southern claim boundry and on into the "D" claim.

The highest value received on the survey was 450 parts-per-billion within the anomaly discussed above.

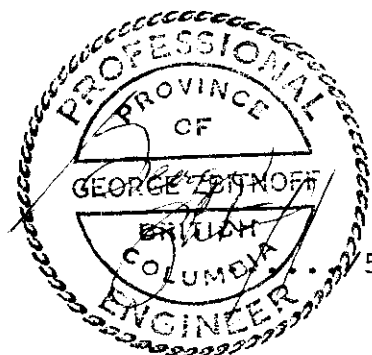
CONCLUSION

During June a geochemical survey was carried out on the "B" claim. Two geochemical anomalies were located on steep talus covered slopes.

RECOMMENDATIONS

It is recommended that further work be carried out over the anomalous areas. A closer spaced geochemical soil grid over the anomalous area with a corresponding geological survey of the area in question. This may pinpoint the origin of the higher gold content within the anomaly.

<u>EXPENDITURES</u>	<u>"B" Claim</u>	
Ken Taylor	June 13 - 22	593.70
Ron Wintermeyer	"	596.00
D. Willson	"	541.50
Accomadations, Food & Supplies		658.03
Transportation		1,773.66
Assays		2,473.20
Report Preparation & Drafting		911.96
		<hr/>
	TOTAL	\$7,548.05



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.

Experience:

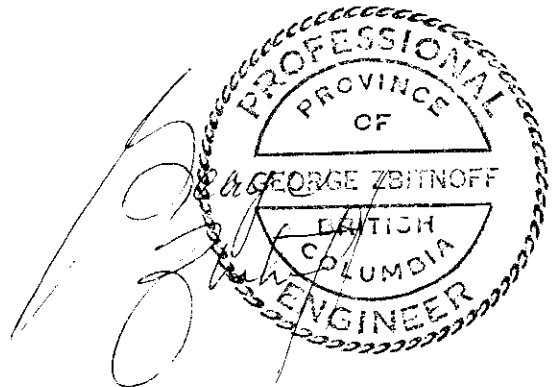
Pre graduation experience in geology with the Department of Mineral Resources.

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

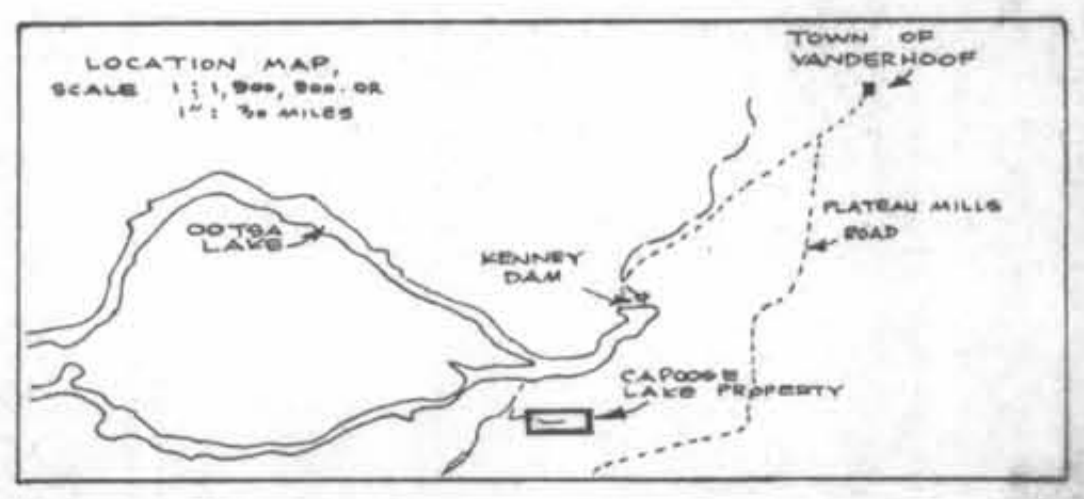
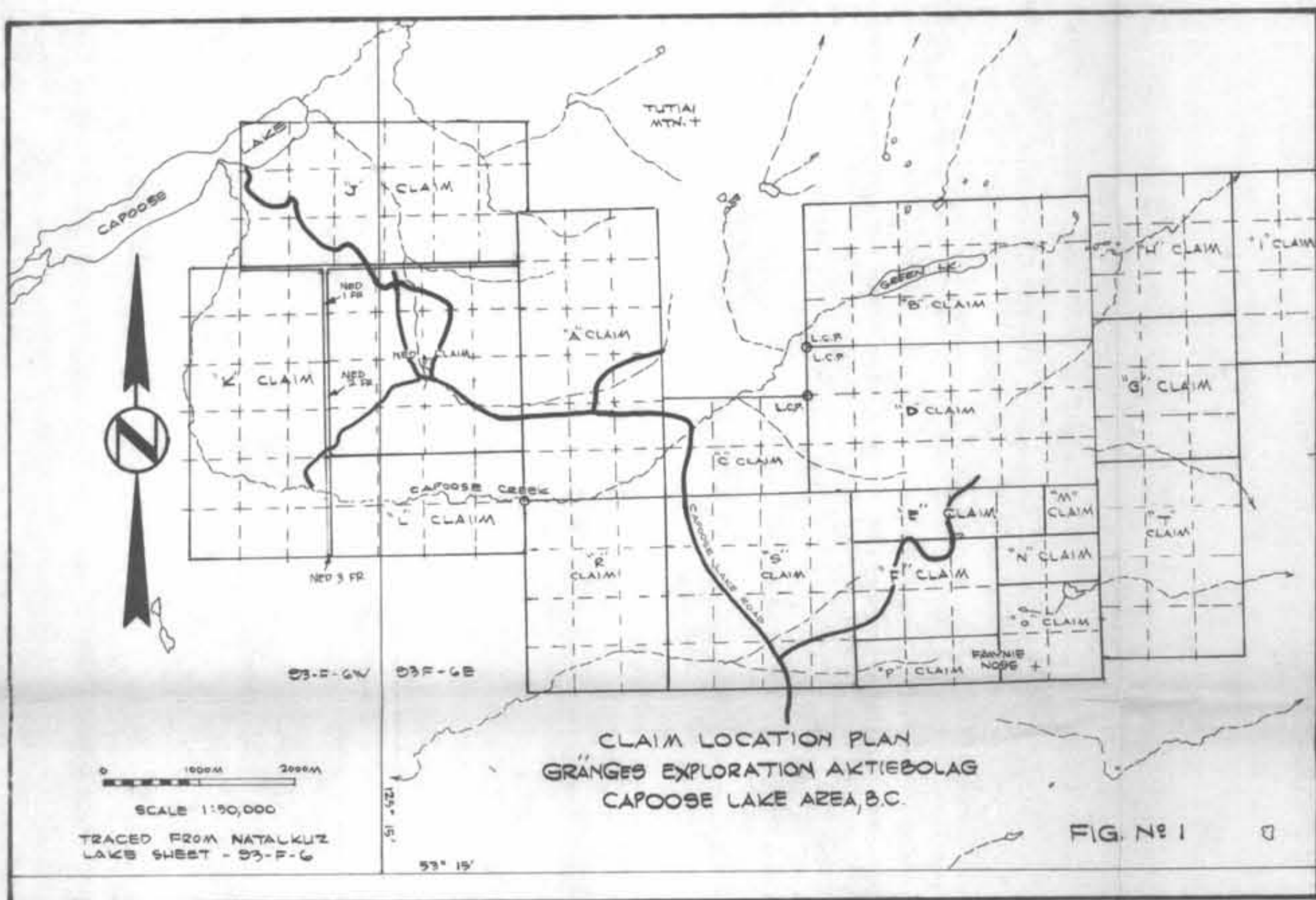
Six years, field and Resident Geologist with Noranda Exploration Ltd., Central Canada.

Nine years geologist and Assistant Manager with Granges Exploration Aktiebolag, Canadian Division.

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







MINERAL RESOURCES BRANCH  
**8333**  
 NO.



100 M	50 M	0	50 M	100 M	200 M	400 M
DRAWN BY: M.P.						
DATE: JULY 1980						
Au						
IN THE FIELD SAMPLE LOCATION						

**GRANGES EXPLORATION AB**  
 CANADIAN DIVISION  
 VANCOUVER OFFICE

SOIL GEOCHEMICAL SURVEY FOR  
 GOLD ON  
 CLAIMS "B" (150) & "D" (152)  
**CAPOOSE JOINT VENTURE**

SCALE: 1:5000  
 PROJECT No: 70115  
 N.T.S. No.: D3 F-6