

5052

92I/7W

REPORT ON THE  
MAGNETOMETER SURVEY ON THE  
JANE 1-38 MINERAL CLAIMS  
LOCATED ON SKUHUN CREEK,  
HIGHLAND VALLEY, BRITISH COLUMBIA

#5052 92I/7W

Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT

NO. 5052 MAP .....

REPORT ON THE  
MAGNETOMETER SURVEY  
ON THE  
JANE 1-38 MINERAL CLAIMS  
LOCATED ON SKUMON CREEK,  
HIGHLAND VALLEY, BRITISH COLUMBIA

1-00 INTRODUCTION

The Jane 1-38 mineral claims are located on Skumon Creek approximately 15 miles southeast of Spences Bridge.

The magnetometer survey was conducted over the Western portion of the claim group.

Ground control was obtained by a 400 x 200 foot cut grid with lines and stations marked by pickets and flagging. A total of 16.2 line miles were surveyed. In conjunction with the above work, a claim survey, by chain and compass, was completed.

2-00 PROPERTY

The property consists of the Jane 1-38 mineral claims located and held by Bob Turner.

Claims

Record Nos.

Jane 1-38

125616 - 125653

#1 Property location map  
#2 Claim map  
#3 Magnetometer survey  
#4 " contour Plan

### 3-00 LOCATION AND ACCESS

The claims are located immediately west of the headwaters of Skuhun Creek, approximately 14 miles upstream from the mouth of the Creek.

Good bush roads lead from the Spences Bridge - Merritt Highway along Skuhun Creek to the claim group.

Several secondary bush roads provide access to the northern portion of the claim group.

### 4-00 GEOLOGY

The property is mainly underlain by the Guichon Batholith of Mid Jurassic to Lower Jurassic age. The Guichon intrusion is in part capped by Kamloops Volcanics of Tertiary age in the region. The Guichon Batholith, host to all of the porphyry type copper deposits, is a northerly trending series of roughly concentric, phased intrusions. It can be subdivided, from the perimeter to the centre into the Guichon quartz diorite, the Bethlehem quartz diorite and the Bethsaide granodiorite.

The Batholith is cut by two strong fault zones, the Lornex fault trending northerly and the Highland Valley Fault trending easterly. The first lies just west of the property.

The known ore deposits in the region can be correlated with contact zones, areas of strong alterations, fracturing and faulting.

5-00 MAGNETOMETER SURVEY

Past experience in the region showed that mineral deposits are normally associated with weak magnetic highs.

The purpose of the survey was to outline areas of favourable magnetic intensity for further scrutiny.

A total of 16.2 line miles were surveyed.

5-10 INSTRUMENT

The instrument used was a Sharp MF 1 Fluxgate magnetometer. This instrument measures the vertical component of the earth's magnetic field.

It is self-orienting, requiring only coarse levelling and has a built-in temperature compensation.

5-20 FIELD PROCEDURE

Ground control was obtained by lines established on a 400 x 200 foot pattern. Stations were marked on the ground by pickets.

The magnetometer was zeroed for the property and a base station established by taking three readings at 1-1/2 hour intervals. The readings were averaged and the obtained value used as a base reading. All subsequent secondary base stations were established the same way, only each reading obtained was corrected for short term variations before averaged. These secondary base stations were used to obtain control on readings taken along the loops, each loop starting and finishing at the same station.

#### 5-30 CORRECTIONS

For the purpose of magnetic correction it was assumed that all the magnetic variations are linear over a short time interval. Based on this assumption, the following equation gives a good approximation:

- Let
- $B_c$  = Corrected base station reading (obtained by averaging a number of readings)
  - $B_x$  = Base station reading at a later time
  - $B_b$  = Base station reading at the start of traverse.
  - $B_e$  = Base station reading at the end of traverse
  - $T$  = Total time elapsed from the start to the end of traverse
  - $t$  = Time elapsed from the start of traverse to time when reading at station Y has been taken

$R_y$  = Reading at station Y.

$R_c$  = Corrected reading for any station Y.

$$\text{Then } R_c = B_c - B_x + (R_y + (B_b - B_e) t)$$

.	=
.	-----
.	.T
.	.
.	.

Long Term

Short Term

Correction

Elapsed time for individual traverses was always less than one hour. Diurnal variation for any traverse was less than 1 gamma per minute. This is considered tolerable. The field data was corrected, plotted and contoured for interpretational purposes.

#### 6-00 INTERPRETATION

The contour map shows a maximum magnetic relief of 800 gammas.

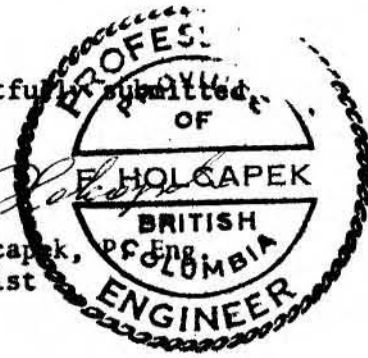
In general, the southern portion of the claim covers an area of low magnetic intensity, 200 gammas, increasing northerly to a maximum of 600 to 800 gammas.

The survey will have to be extended to the east and detail geological mapping will have to be completed before a meaningful interpretation can be attempted. In general, the

magnetic pattern apparent on the claims is characteristic of intrusives in the area.

Respectfully

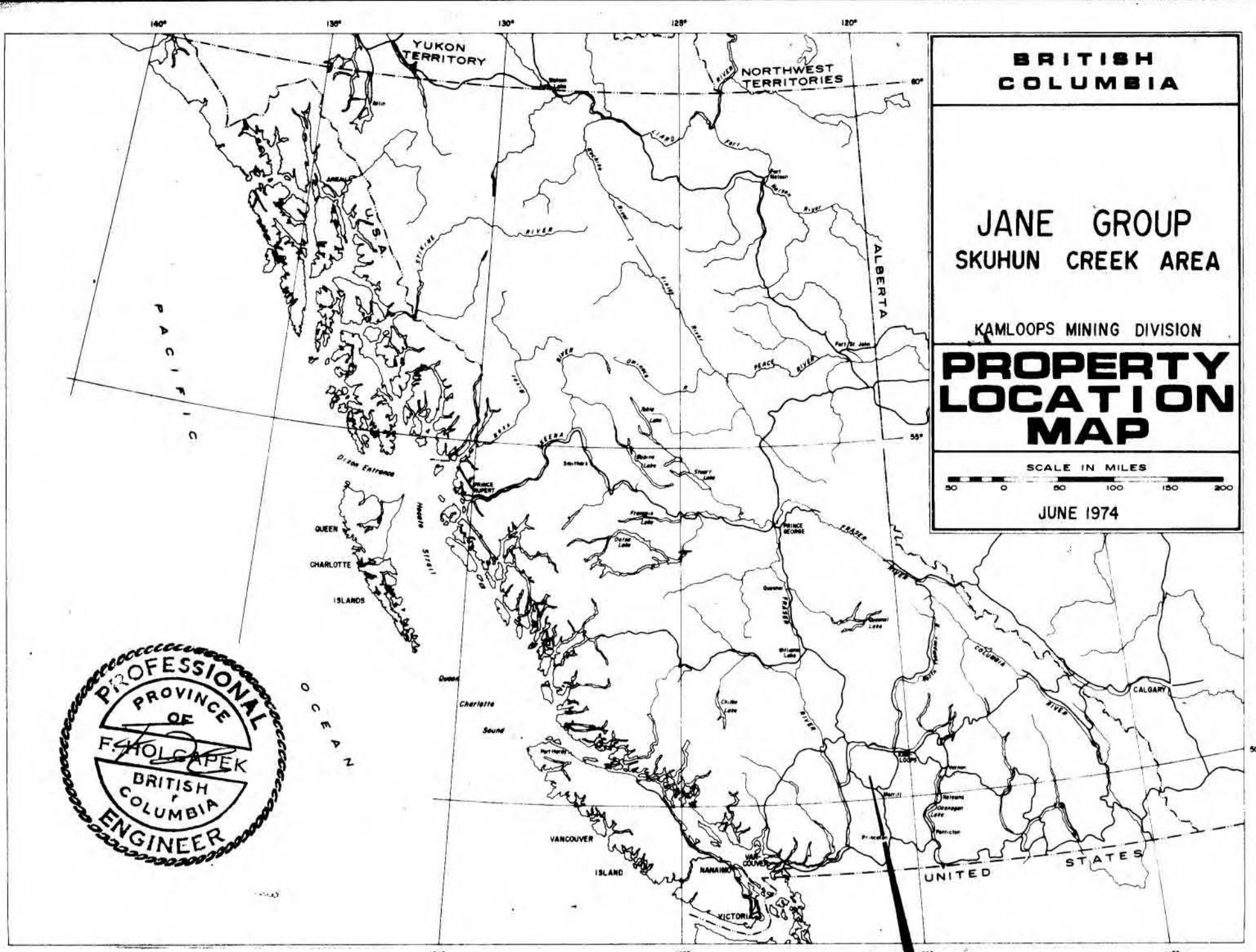
*F. Holcapek*  
F. Holcapek,  
Geologist



July, 1974

Vancouver, B.C.





**BRITISH COLUMBIA**

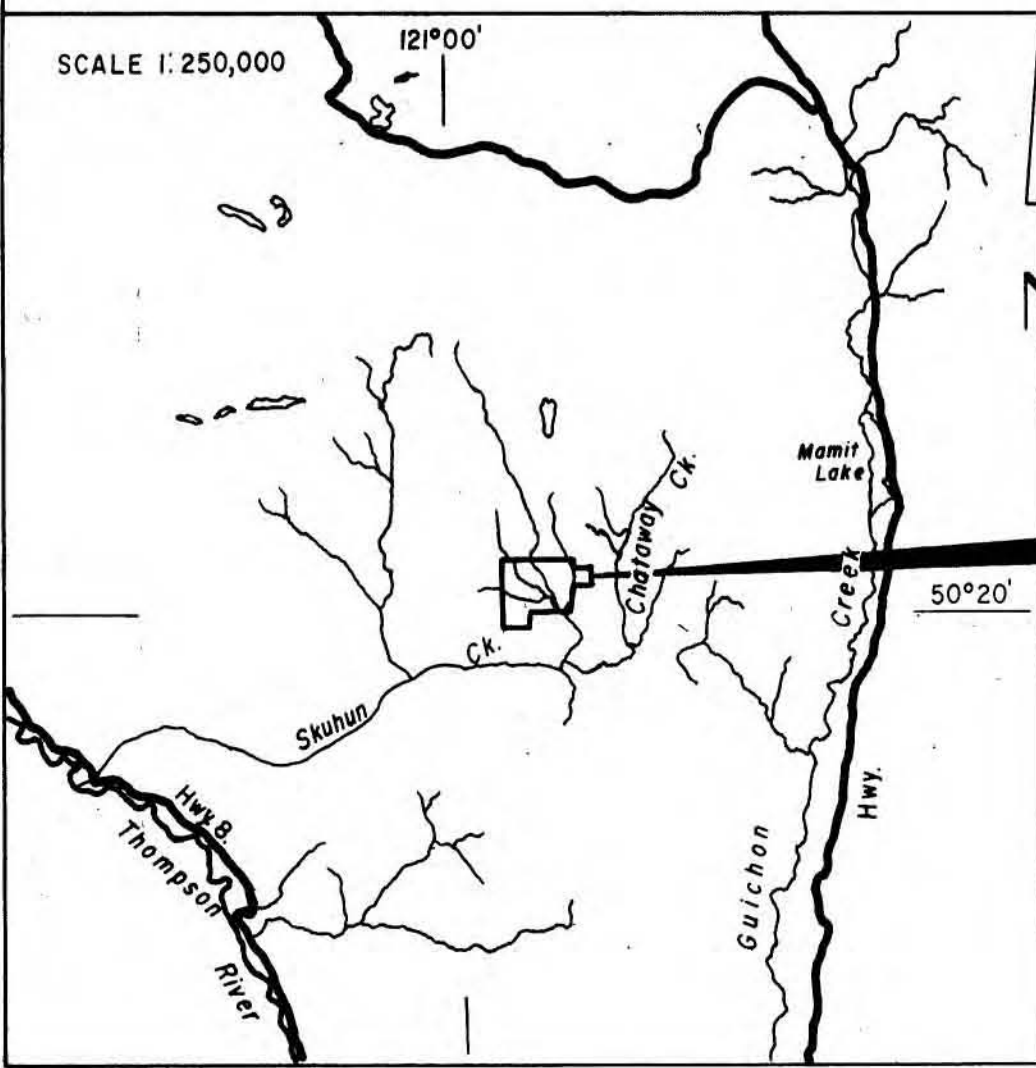
**JANE GROUP  
SKUHUN CREEK AREA**

KAMLOOPS MINING DIVISION

**PROPERTY LOCATION MAP**

SCALE IN MILES  
0 50 100 150 200

JUNE 1974



SCALE 1 Inch = 1/2 Mile

JANE 11	JANE 12	JANE 14	JANE 13	JANE 23	JANE 24	26	
JANE 9	JANE 10	JANE 16	JANE 15	JANE 21	JANE 22	JANE 28	JANE 27
JANE 7	JANE 8	JANE 18	JANE 17	JANE 19	JANE 20	JANE 30	JANE 29
JANE 5	JANE 6	JANE 38	JANE 36	JANE 34	JANE 32		
JANE 3	JANE 4	JANE 37	JANE 35	JANE 33	JANE 31		
JANE 1	JANE 2						

5052  
M1



DOMINION OF CANADA:  
 PROVINCE OF BRITISH COLUMBIA:  
 To Wit:

In the Matter of

I, R. N. ROLLINGS.

of # 107 - 325 Howe St., Vancouver

in the Province of British Columbia, do solemnly declare that the following costs were incurred on the Jane mineral claims in connection with the magnetometer survey & line cutting work which has been applied for as assessment work on June 6/1974.

PERSONNEL.

F. Holcapek	P. Eng.	1 day @ \$150.00	= \$150.00
J. Deighton	Geologists	8.36 days @ \$100.00/day	= \$836.00
F. Zischaka	Field	10.62 days @ \$44.32/day	= \$470.67
T. Hannon	Field	25 days @ \$21.00/day	= \$525.00
a. Graf	Field	11 days @ 44.00/day	= \$484.00
E. Mansbach	Field	7 days @ 41.00/day	= \$287.00
E. Rollings	drafting.	9 hrs. @ 8.60/hr.	= 76.50
P. Kwong	"	48.5 hrs. @ 8.60/hr.	= 412.25
			<u>\$3741.42</u>

DISBURSEMENTS.

Mag rental	\$140.00
Telephone	\$ 2.00
Printing, maps, xeroxing	\$ 95.40
Casual labor	\$ 20.00
Car Rental	\$ 559.22
Mileage + gas.	\$ 200.84
Camp supply rental	\$ 259.08
+ Eng. Supplies.	
Meals, groceries.	\$ 390.85
Motel.	42.00
	<u>\$1709.39</u>

10% on disbursements 170.93

\$1880.32

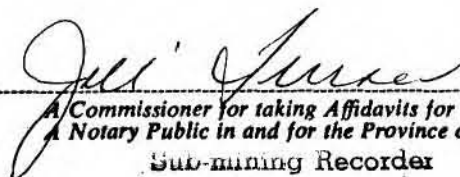
→ 1880.32

TOTAL. \$5621.74

And I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath and by virtue of the "Canada Evidence Act."

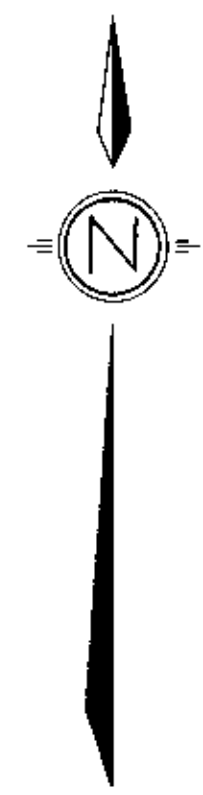
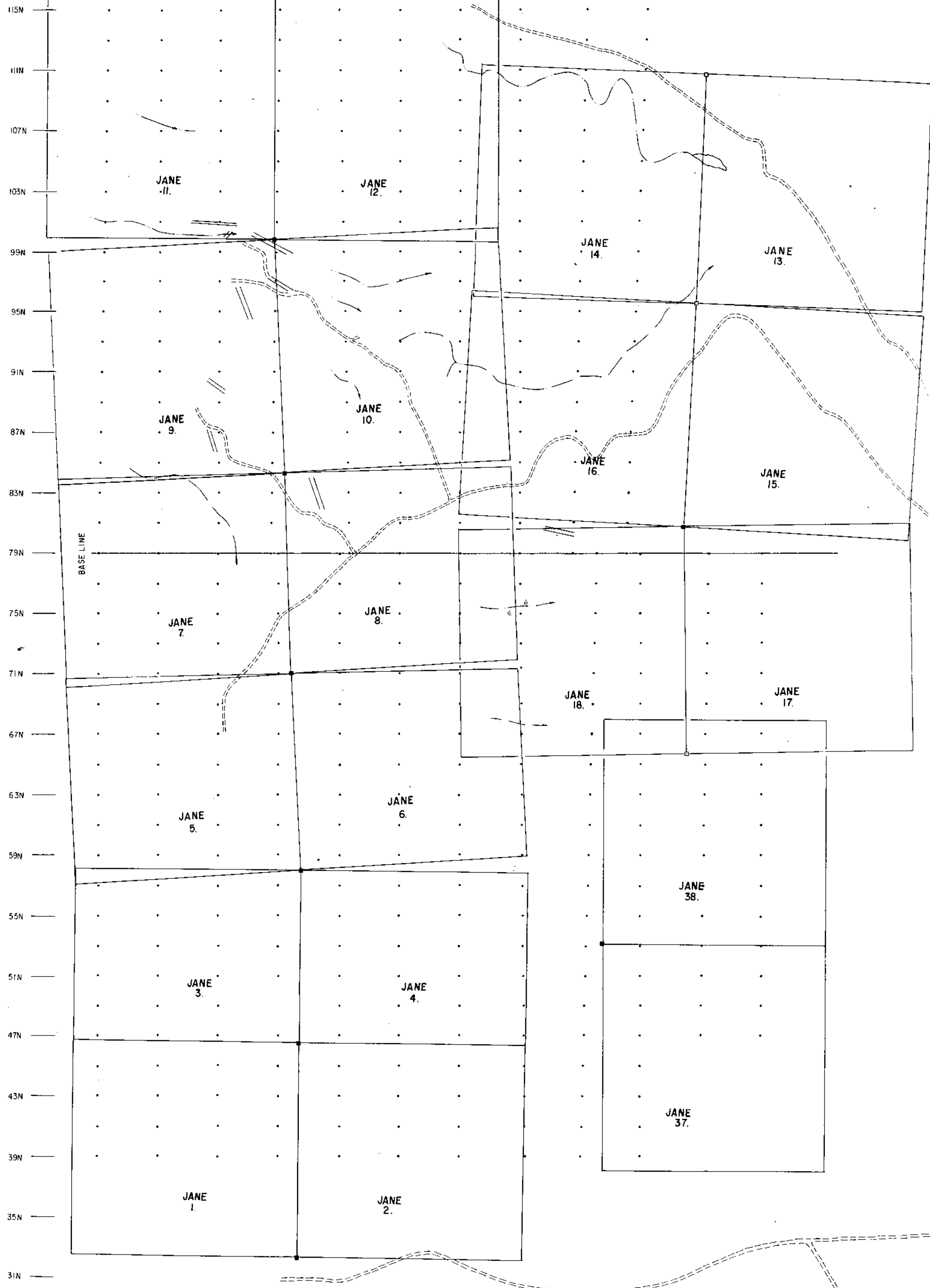
Declared before me at the City  
 of Vancouver, in the  
 Province of British Columbia, this 23  
 day of July 1974, A.D.



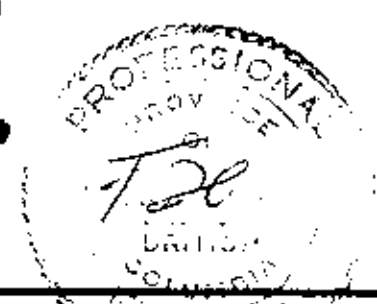
  
 A Commissioner for taking Affidavits for British Columbia or  
 A Notary Public in and for the Province of British Columbia.  
 Sub-mining Recorder

38E 42E 46E 50E 54E 58E 62E 66E 70E 74E 78E 82E

IP. PINE 9 & 10.  
FP. 7 & 8.



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M2

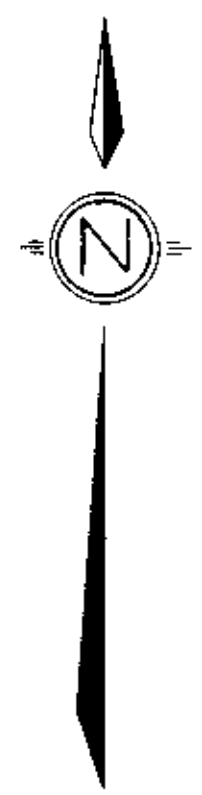
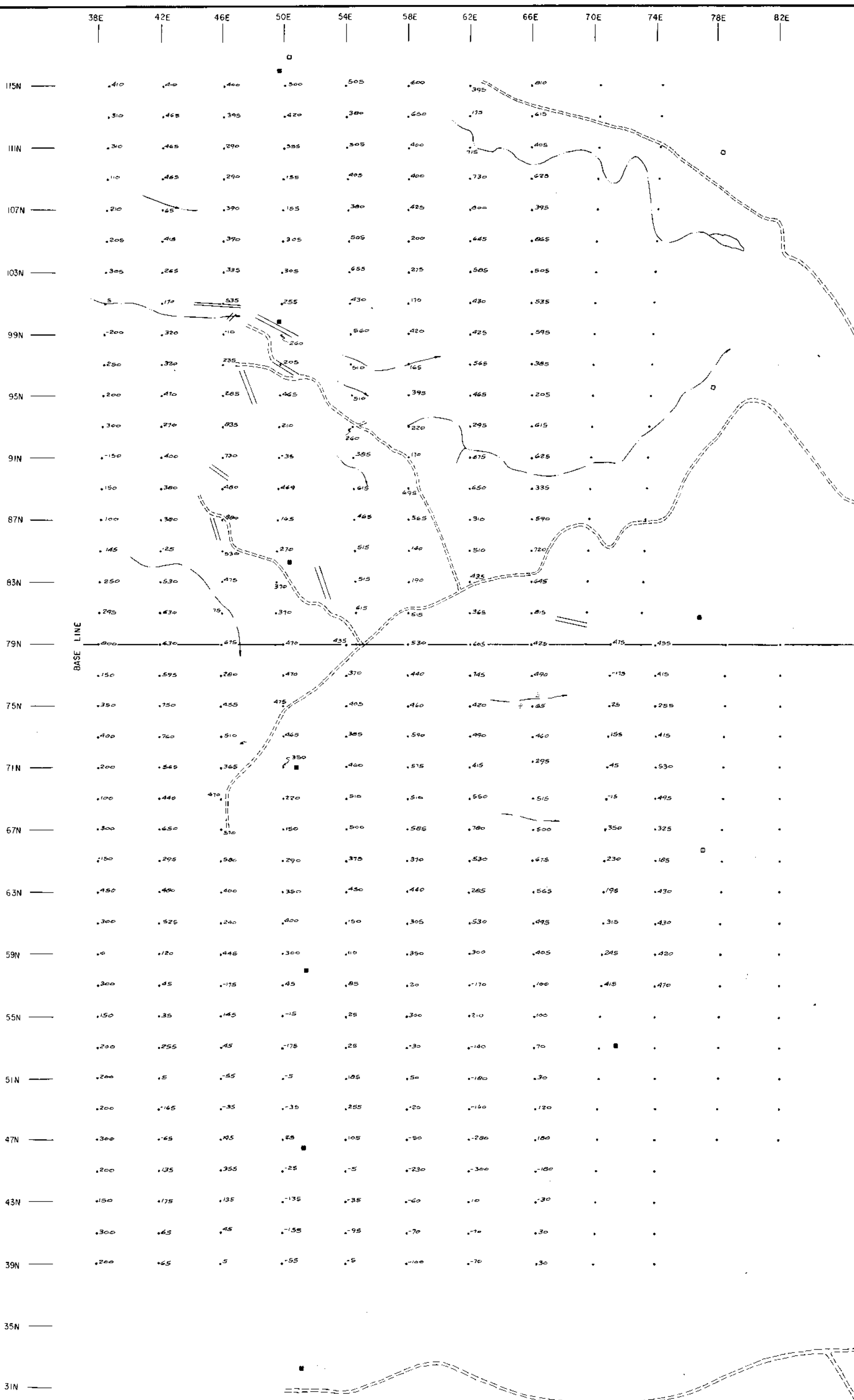


AGILIS ENGINEERING LTD.  
JANE CLAIMS SKUHUN CREEK AREA  
KAMLOOPS MINING DIVISION, B.C.

Department of  
Minas and Petroleum Resources  
ASSESSMENT REPORT  
NO. 5052 MAP #2

CLAIM MAP

SCALE IN FEET  
400 0 400 800 1200  
AGILIS ENGINEERING LTD. JUNE 1974



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M3

AGILIS ENGINEERING LTD.  
 JANE CLAIMS SKUHUN CREEK AREA  
 KAMLOOPS MINING DIVISION, B.C.

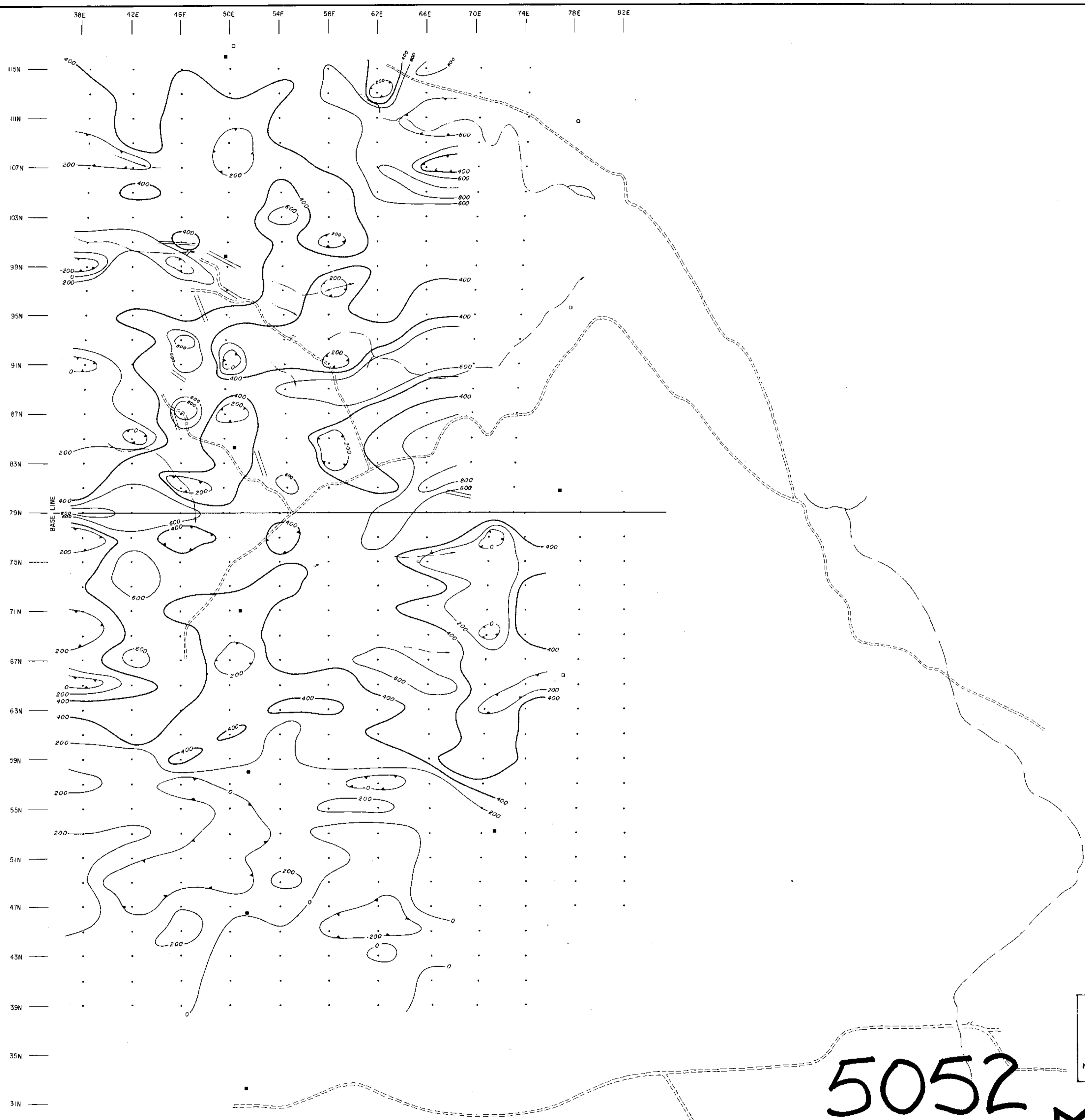
Department of  
 Mines and Petroleum Resources  
 ASSESSMENT REPORT  
 NO. 5052 MAP #3

**MAGNETOMETER  
 SURVEY**

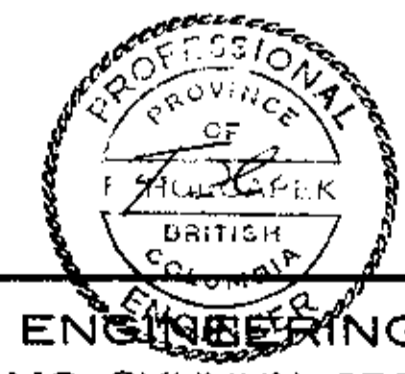
VALUES IN GAMMAS

SCALE IN FEET  
 400 0 400 800 1200

AGILIS ENGINEERING LTD. JUNE 1974



5052 M4



Department of Mines and Petroleum Resources ASSESSMENT REPORT NO. 5052 MAP #4		<b>MAGNETOMETER          CONTOUR PLAN</b> CONTOUR INTERVAL 200 GAMMAS
SCALE IN FEET 400 0 400 800 1200		AGILIS ENGINEERING LTD. JUNE 1974

AGILIS ENGINEERING LTD.  
 JANE CLAIMS SKUHUN CREEK AREA  
 KAMELOPS MINING DIVISION, B.C.