

ASSESSMENT REPORT

GEOPHYSICAL REPORT
ON THE
ATTORNEY 2 CLAIM (4 UNITS)

OMINECA MINING DIVISION

by

SHEILA A. CRAWFORD

LOCATION: 57°17' N Latitude
 127°11' W Longitude
 N.T.S. 94E/6E

OWNER/OPERATOR: SEREM LTD.

DATES WORK PERFORMED: July 28, 29, 1981

DATE OF REPORT: August 24, 1981

9478

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INTRODUCTION

The Attorney 2 claim, consisting of 4 units, is located at $57^{\circ}17'$ N latitude and $127^{\circ}11'$ W longitude in the Toodoggone River map sheet area, N.T.S. 94E/6E, Omineca Mining Division (Figures 1 and 2). Access to the property is by plane from Smithers to Sturdee Airstrip, a distance of 280 kilometres, and from Sturdee Airstrip to the property by helicopter, a distance of about 12 kilometres.

The property is located on a high, undulating plateau above treeline. Elevation ranges from 1685 metres to 1821 metres above sea level. Most of the property is covered by glacial overburden. Cretaceous Upper Tango Creek Formation conglomerate and sandstone outcrop in the northeast and southwest corners of the claim.

A magnetometer survey was conducted on July 28th and 29th, 1981 by G. Dawson and C. Chisholm, under the supervision of S. Crawford. The purpose of the survey was to determine whether or not any volcanics underlie the claims close to surface, and to trace major structures under the overburden.

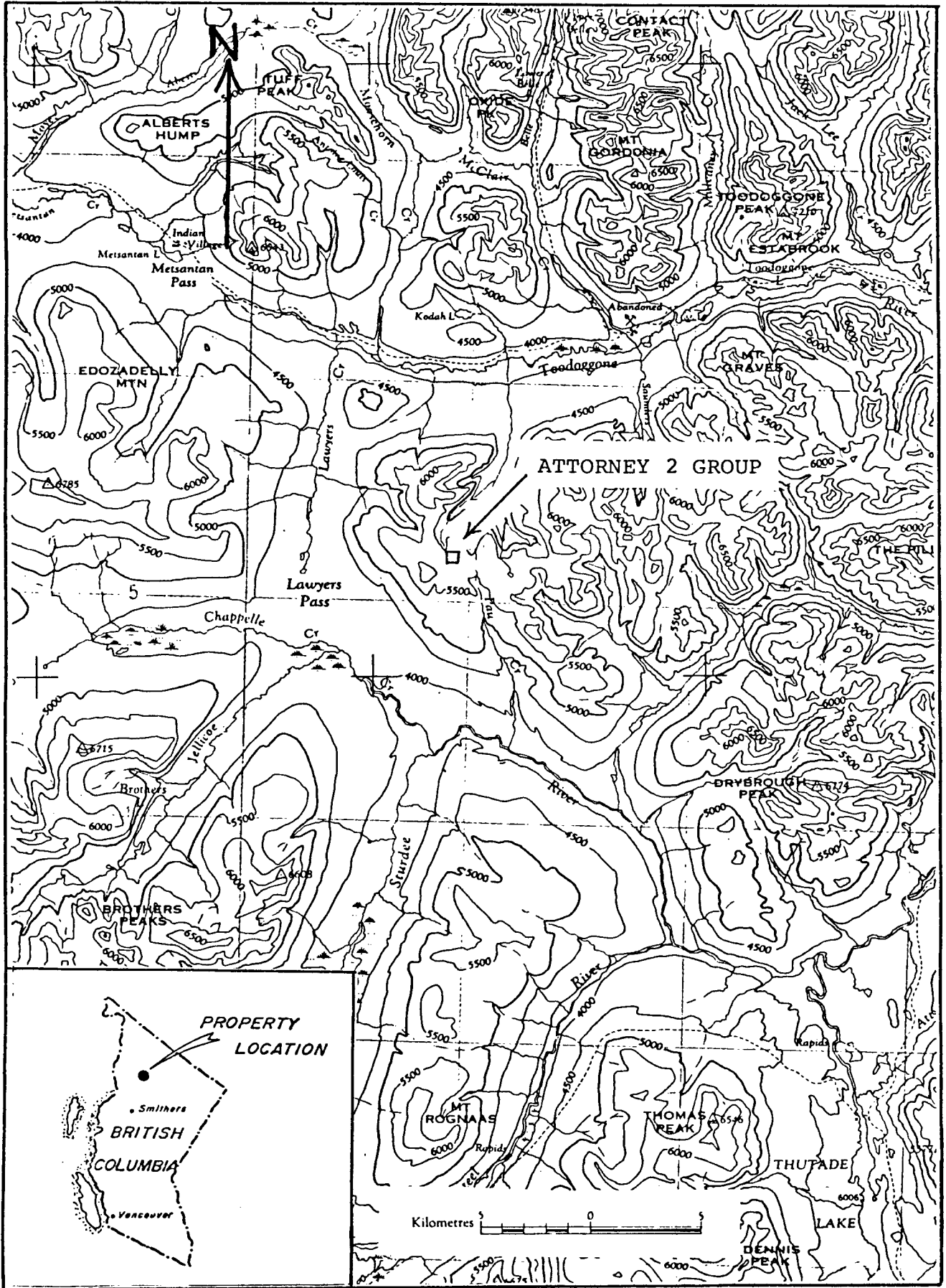


Fig. 1. Location Map of Attorney 2 Claim.

MAGNETOMETER SURVEY

Magnetometer readings were taken every 25 metres on lines 25 metres apart on a 500 metre grid (Figure 3). The baseline was set with compass and surveyor's chain, using the legal corner post as 0+00S, 0+00W. The line was marked with flagged pickets every 50 metres. Survey lines were laid out with Topofil and compass and flagged at each station.

The instrument used is a Geometrics G826 proton precession magnetometer. It measures total intensity of the earth's magnetic field and has a sensitivity of ± 1 gamma over a range of 20,000 to 90,000 gammas. The sensor was mounted on an eight-foot staff and held vertically at arm's length. Readings were taken twice at each station to check for magnetic storms. Diurnal fluctuations were corrected by the loop-back method. No magnetic storms occurred during the time that the survey was performed. Drift for any of the loops was less than 10 gammas over 40 minutes, and for most of the loops, less than 4 gammas.

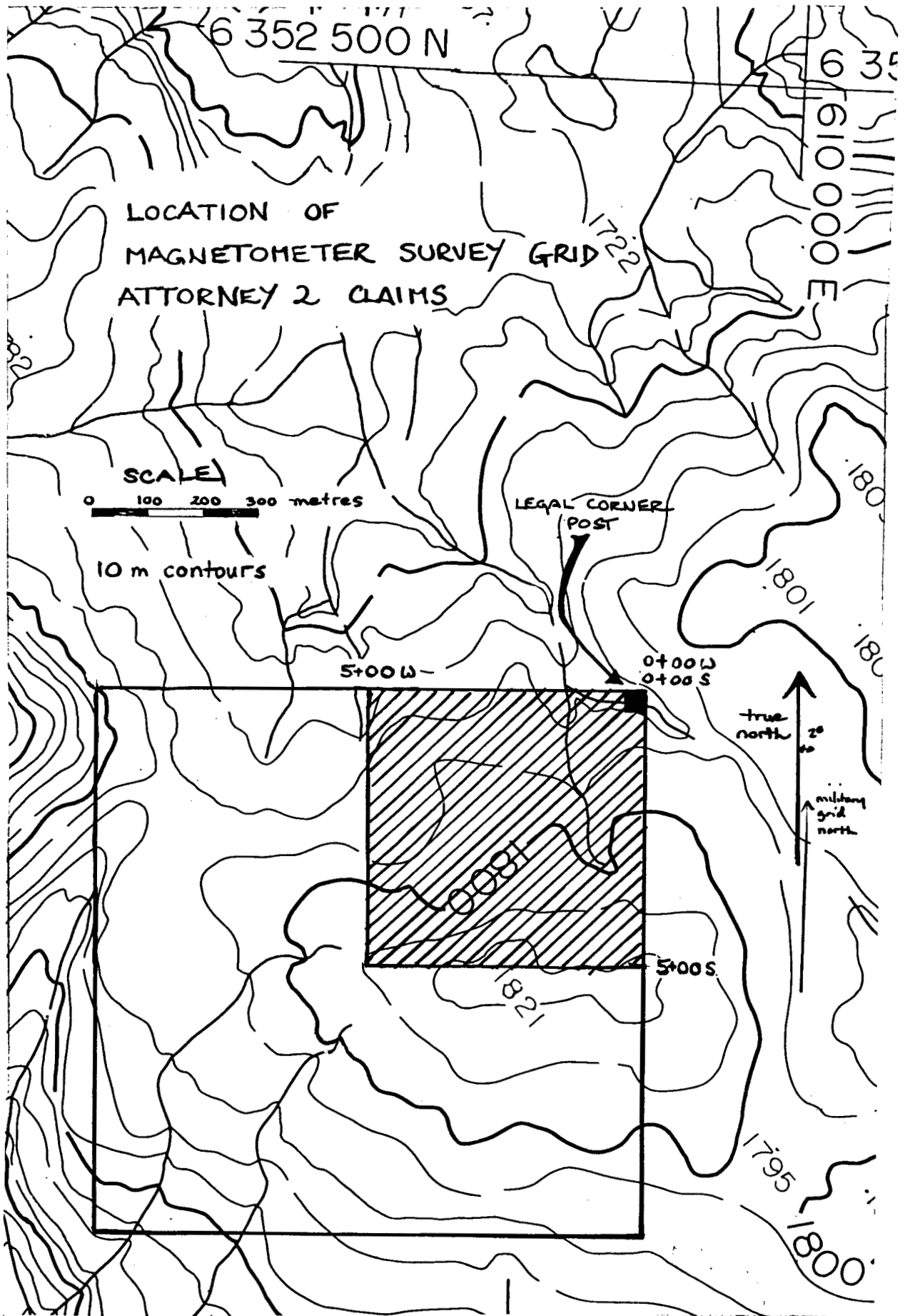
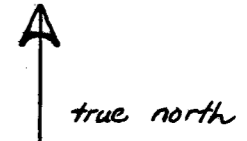
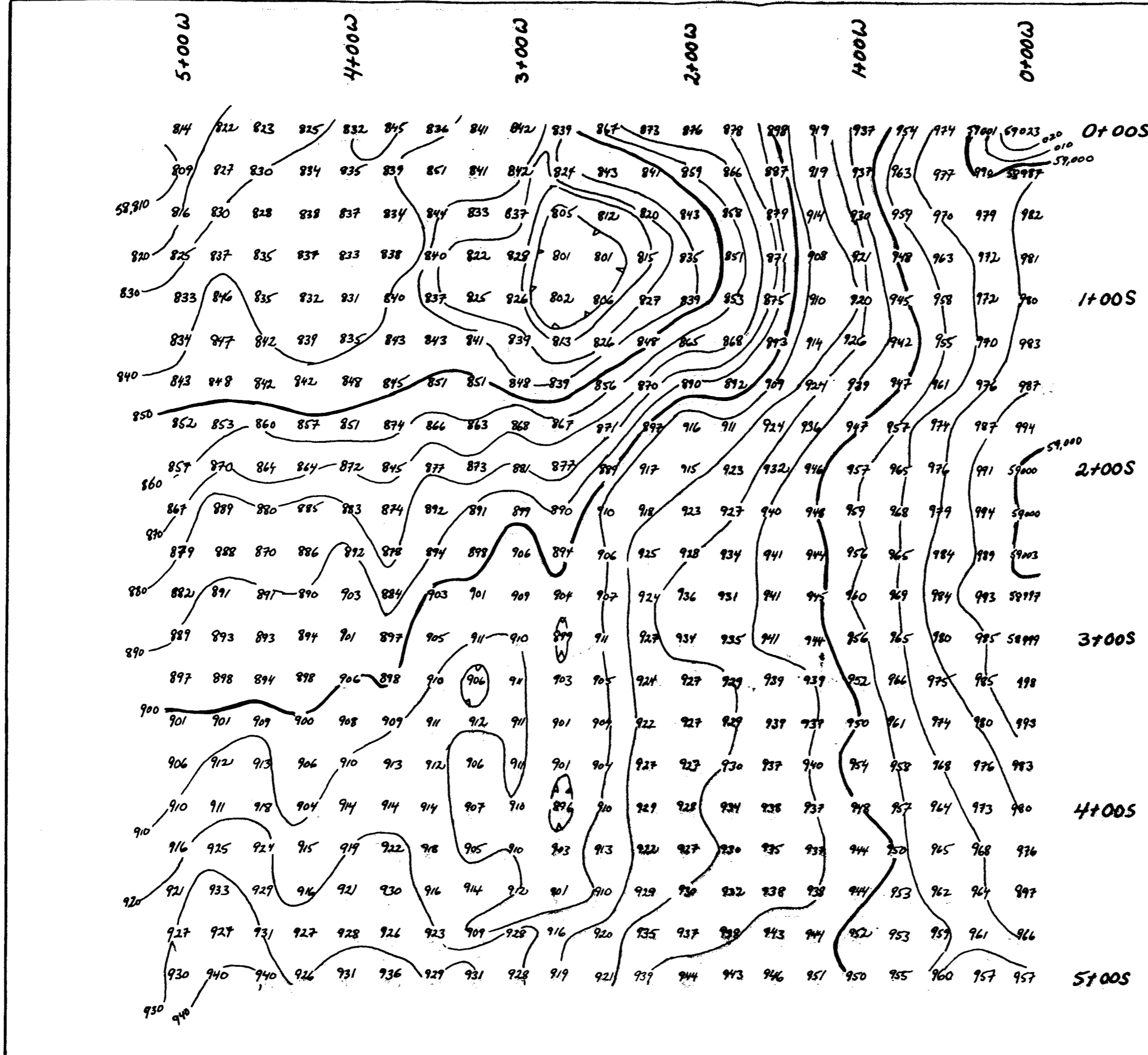


Figure 3. Location of Magnetometer Survey Grid, Attorney 2 Claims



LEGEND

925 proton magnetometer reading: 58,925 γ (GEOMETRICS model no. G-826)

10 γ contour

50 γ contour

magnetic low

9478

SEREM LTD.		
PROJECT: TOODOGGONE		
TITLE: PROTON MAGNETOMETER SURVEY ATTORNEY 2 CLAIMS		
DATE: AUG. 1981	DATA: S. CRAWFORD	
NITS: 94E/6E	DRAWN: S.C.	FIGURE
SCALE: 1:2500	CHECKED: [Signature]	4
0 25 50 75 100 125 metres		

INTERPRETATION

The corrected readings were plotted on a 1:2500 scale grid map and contoured at 10 gamma intervals (Figure 4). Magnetic relief is low: readings range from 58,809 to 59,023 gammas over the whole grid. There is no evidence for the higher signature volcanics occurring close to surface. Gradual variations over the grid are probably due to differences in thickness of the Tango Creek conglomerates and sandstones. Two prominent faults are indicated; one trending 000° and the other 055°. These features are observed in outcrop in adjoining areas.

CONCLUSIONS AND RECOMMENDATIONS

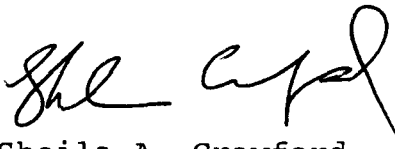
The magnetometer survey was successful in tracing fault structures in an area of overburden cover. Because vein deposits in the area are structurally controlled, this appears to be a good prospecting technique when used in conjunction with geological information from exposed areas.

CERTIFICATE OF QUALIFICATIONS

I, SHEILA A. CRAWFORD, of Vancouver, B.C., hereby certify that:

1. I am a geologist employed by SEREM Ltd. of
300 - 535 Thurlow Street, Vancouver, B.C. V6E 3L2
2. I hold an Honours Bachelor of Science Degree
(First Class) in Geology from Carleton University,
in Ottawa, Ontario.
3. I have worked in mineral exploration or geological
mapping since 1976, and carried out magnetometer
surveys in 1978 and 1979.
4. I personally supervised the magnetometer survey
and examined the property.
5. I have no financial interest, either direct or
indirect, in the property.

Dated this 24th day of August, 1981


Sheila A. Crawford,
Geologist.

STATEMENT OF EXPENDITURES

Magnetometer survey, 11.5 line-kilometres, 25 m spacing with interpolated readings; time spent includes laying out grid; July 28, 29, 1981.

Wages

Survey:

C. Chisholm	2 days @ \$58/day	\$116.00
G. Dawson	2 days @ \$58/day	116.00

Report writing and supervision:

S. Crawford	1 day @ \$92/day	<u>92.00</u>
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\$324.00

Board, Lodging and Field Expenses

4 Man-days @ \$52.00/day	208.00
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1980 cost breakdown:

Per Man Day

Food	\$10.80
Expediting	3.00
Equipment (lumber, hardware, generator, radio telephone)	10.43
Fixed wing support (does not include mobilization or JP-4 fuel hauls)	13.19
Helicopter support "	5.50
Fuel (propane, oil stoves)	<u>4.12</u>
	\$47.04
+ 10% cost increase for 1981	\$52.00

<u>Magnetometer</u>	2 days @ \$20.00/day	40.00
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Helicopter from camp to grid area

40 minutes at \$475.00/hour, including fuel	<u>317.00</u>
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TOTAL

\$889.00