

5671

HUDSON'S BAY OIL AND GAS COMPANY LIMITED

REPORT ON MAGNETOMETER SURVEY

SYLVIA CLAIMS

by

G.I. Hall

October 8, 1975

#5671

CLAIMS: SYLVIA Claims 16-18,20, 22, 24, 26, 29, 30, 33-36
LOCATION: OMINECA MINING DIVISION
Sixty miles SW Houston, B.C.
Latitude 53°47'n Longitude 127°07'N
NTS 93 E/14
DATES: July 24 to September 19, 1975
OWNER: Hudson's Bay Oil and Gas Company Limited
OPERATOR: Hudson's Bay Oil and Gas Company Limited

93E/14E
CLAIM: SYLVIA

<p>Department of Mines and Petroleum Resources ASSESSMENT REPORT NO. <u>5671</u> MAP</p>
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TABLE OF CONTENTS

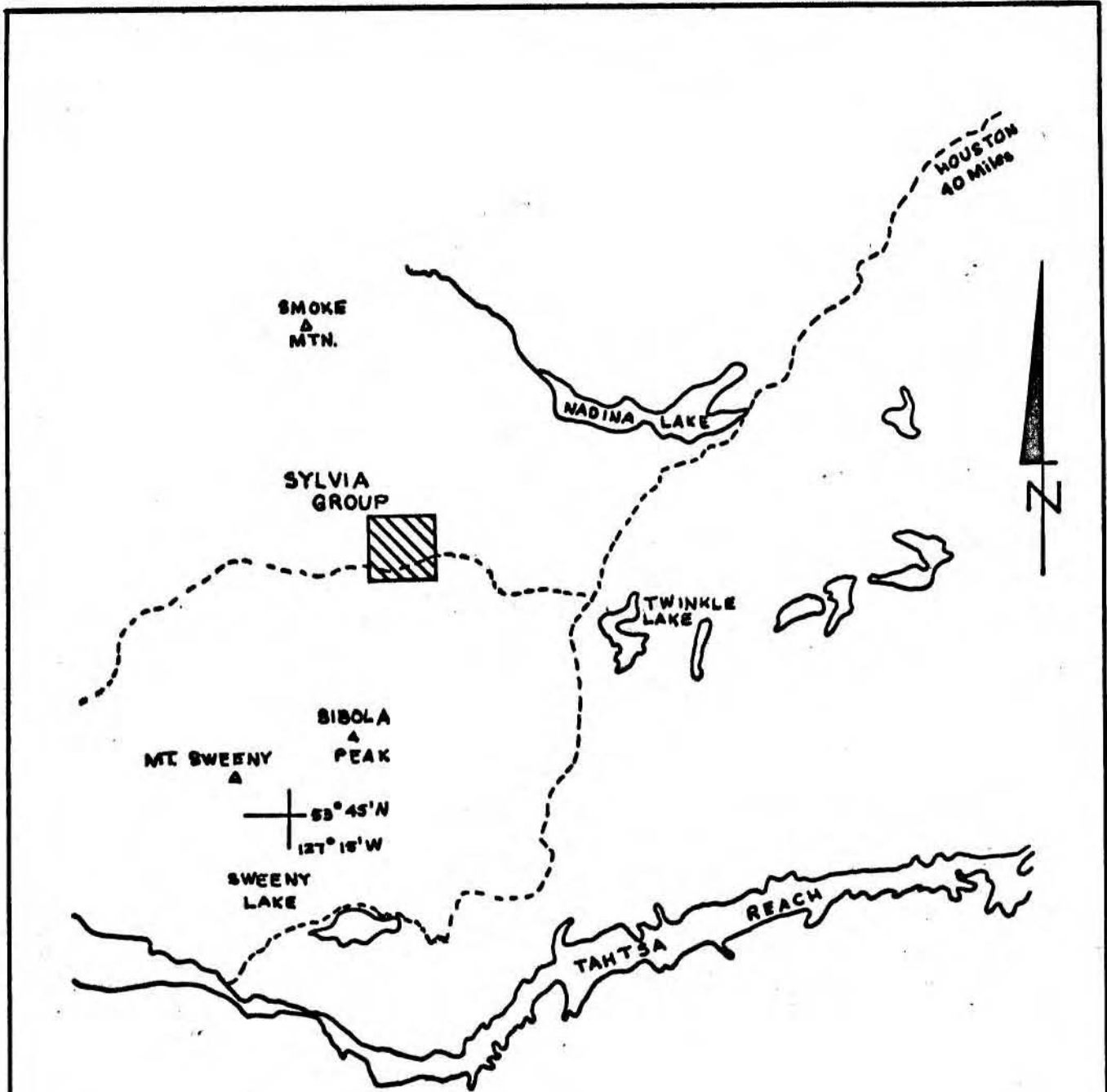
	<u>PAGE</u>
INTRODUCTION	3
LOCATION	3
ACCESS	3
CHAIN AND COMPASS GRID	3
MAGNETOMETER SURVEY	3
A. Instrumentation	
B. Method of Survey	
C. Interpretation	

APPENDIX

List of Claims and Distribution of Work
Statement of Costs
List of Personnel
Statement of Qualifications

MAPS

Fig. 1 #1 Location Map	1
Fig. 2 2 Claim Map	2
Fig. 3 3 Magnetometer Survey Results Contour Map	Pocket



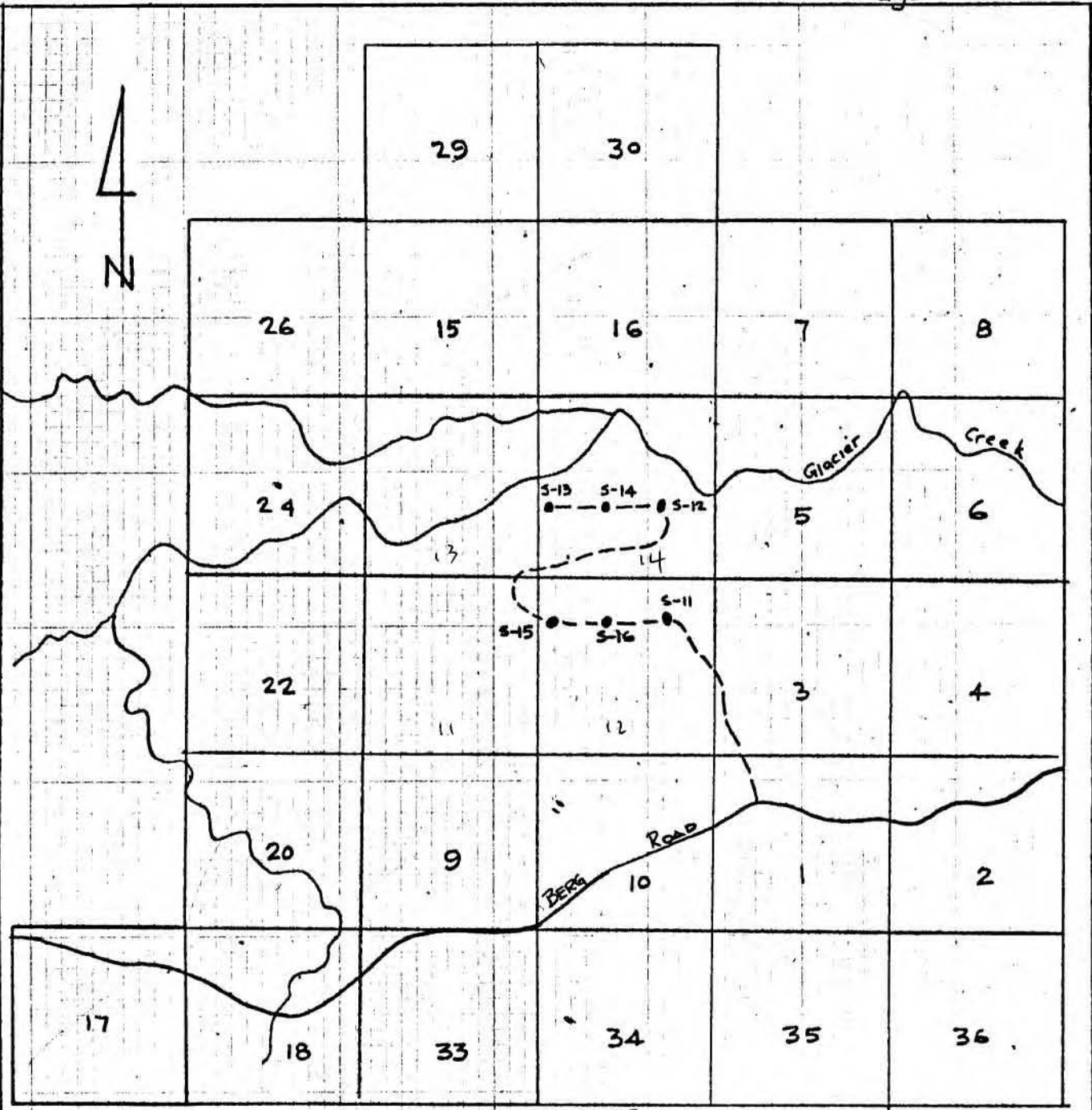
Department of
 Mines and Petroleum Resources
ASSESSMENT REPORT
 NO. 5671 MAP 1

Hudson's Bay Oil and Gas Company Limited
 MINERALS EXPLORATION
 VANCOUVER BRITISH COLUMBIA

TAHTSA PROJECT
LOCATION MAP
SYLVIA GROUP

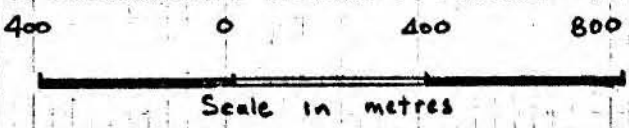


MAP	DATE	BY	SCALE	N.T.S.
FIG. 1	Oct. 1, 75.	D. B. K.	1:250,000	93E/14



--- Bulldozed access trail
 s-6 Vertical percussion drill hole

5671 M2



Hudson's Bay Oil and Gas Company Limited				
MINERALS EXPLORATION				
VANCOUVER		BRITISH COLUMBIA		
TAHTSA PROJECT				
CLAIM MAP				
SYLVIA claims				
MAP	DATE	BY	SCALE	N.T.S.
#10.2	OCT '75	G.L.H	1:15,840	93E/14

INTRODUCTION:

A ground magnetometer survey was completed over all SYLVIA claims along flagged grid lines 150 metres apart from July 24 to September 19, 1975.

LOCATION:

The SYLVIA claims are located about six miles west of Twinkle Lake along the BERG road sixty road miles SW of Houston, B.C. at 53°17'N, 127°07'W, NTS 93 E/14.

ACCESS:

Access is via sixty miles of forestry access gravel road from Houston, B.C., to Twinkle Lake, then about six miles west along a 4-wheel drive road to the property. Approximately 9000 feet of rough trail was prepared by bulldozer for drill access.

CHAIN AND COMPASS GRID:

A control grid of approximately 30 line-km. was established on the SYLVIA claims by means of a chain and compass survey. East-west lines were flagged 150 metres apart, with station spacings measured at 30 metre intervals.

MAGNETOMETER SURVEY:A. Instrumentation

A proton precession magnetometer model G-816 was used for the survey. The total field is measured to the nearest 10 gammas with the sensing bottle carried on the surveyor's back.

B. Method of Survey

Base stations were established at 150 metre intervals along the control grid base line (50+00W) so that diurnal drift corrections and daily variations in the magnetic field could be made. Readings were taken during the survey at these base stations at intervals not exceeding two hours, and usually less than one hour.

Three readings were taken at each station 30 metres apart along the flagged lines 150 metres apart. The readings were averaged and corrected for diurnal drift and daily variations. The corrected values in gammas were plotted on the accompanying map. M.L. Legros and J. Bennett conducted the survey.

C. Interpretation

Add 56,000 gammas to the values on the map to obtain the total intensity at each station.

The values were contoured with a 500 gamma contour interval. Several one to four station highs reached over 4000 gammas. No pattern appears to be associated with these high values. Outcrops in the area consistently carry minor amounts of disseminated magnetite, not usually visible, but discernible with a magnet. The more abundant spot highs in the east central part of the area are related to weakly magnetic tuffaceous volcanics.

G. I. Hall
G.I. Hall Oct. 21, 1975

GIH:kd1

The work described in this report was done under my general supervision.

Kenneth C. Rose
Kenneth C. Rose, P.Eng., B.C.

APPENDIX

LIST OF CLAIMS AND DISTRIBUTION OF WORK

<u>Claim No.</u>	<u>Record No.</u>	<u>Record Date</u>	<u>Years of Work Applied</u>
SYLVIA 16	126843	July 30	2 (1978)
17	129380	October 24	2 (1977)
18	129381	October 24	" "
20	129383	"	" "
22	129385	"	" "
24	129387	"	" "
26	129398	"	" "
29	129392	"	" "
30	129393	"	" "
33-36	129396-399	"	" "

STATEMENT OF COSTS

Establish grid system of E-W lines
150 metres apart, 2 km. long
Total length is 30 km.

10 days @ \$100/day \$1000

8 days @ \$75/day 600

15 days @ \$40/day 600

Ground Magnetometer Survey

30 km.

23 days @ \$40/day 920

Accommodation

58 man days @ \$15/day 870

Vehicle Cost

29 days @ \$20/day 580

Flagging Tape

100 rolls @ \$1.00/roll 100

Report Preparation - by G.I. Hall

3 days 300

\$4970.00

LIST OF PERSONNEL

<u>Name</u>	<u>Position</u>	<u>Days on Project</u>	<u>Rate</u>
G.I. Hall	Geologist	(GRID) June 28,29,30 " July 15,16,19,20,21,22,31 REPORT PREPARATION Oct. 6,7,8	\$100/day
D.B. Kilby	Geologist	(GRID) June 28,29 July 15,16,19,20,21,22	\$ 75/day
M.L. Legros	Technician	(GRID) June 29,30 July 20,21,23 Aug. 7,8,9 (MAG) July 24,25,26 Aug. 4 Sept. 3,4,5,6,7,12,17 Oct. 2,3,4	\$ 40/day
J. Bennett	Technician	(GRID) June 29, 30 July 20,21,23 (MAG) July 24 Sept. 3,4,5,6,7,12,16,17,18,19	\$ 40/day

STATEMENT OF QUALIFICATIONS

G.I. Hall
Geologist

B.Sc., Geology, 1965

Michigan Technical University
Houghton, Michigan

M.S. Geology, 1970

University Wisconsin-Milwaukee
Milwaukee, Wisconsin

M.L. Legros
Technician

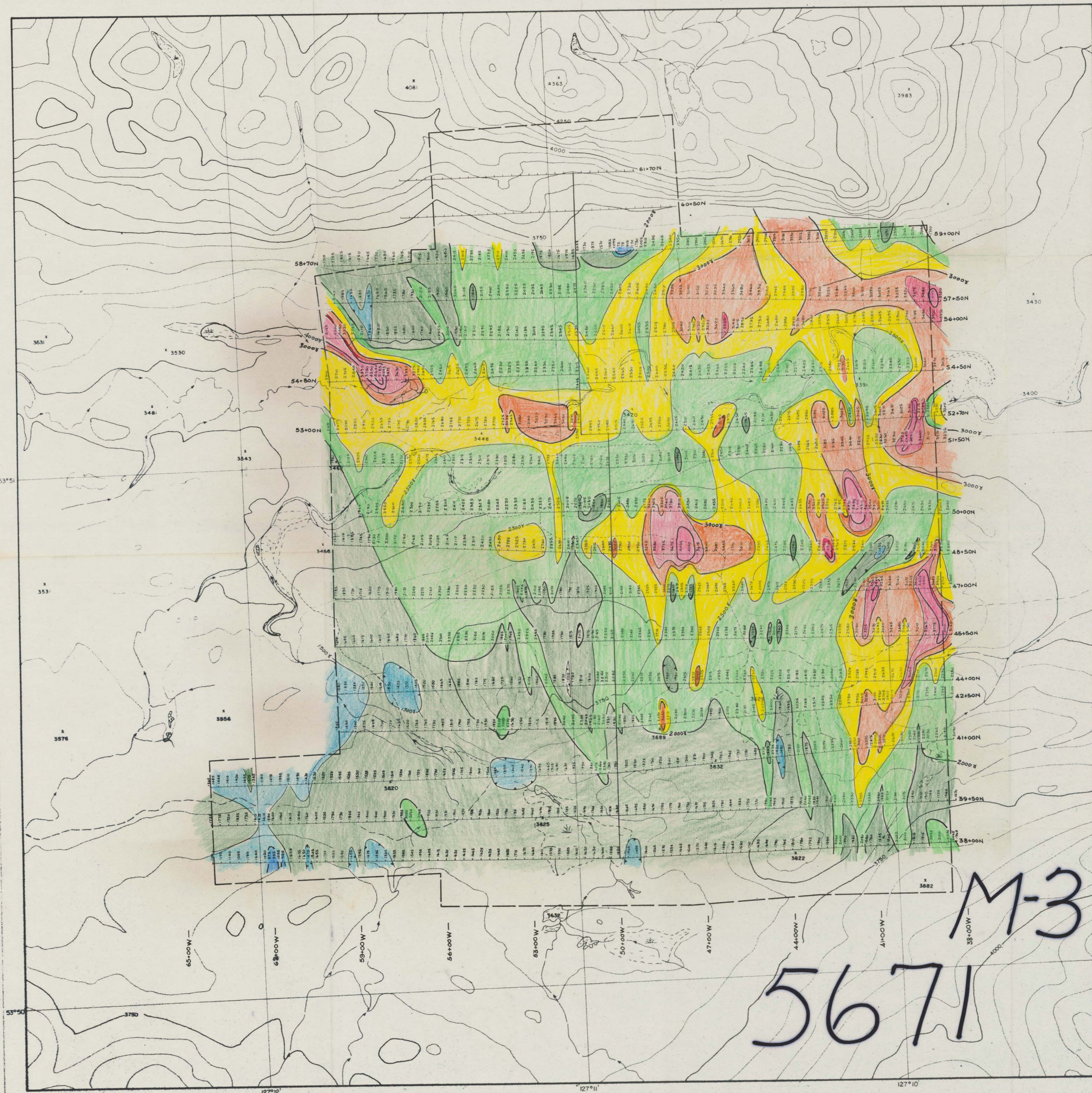
Mining Technology, 1973

B.C.I.T., Vancouver,

J. Bennett
Technician

Mining Technician, 1970

Haileybury School of Mines

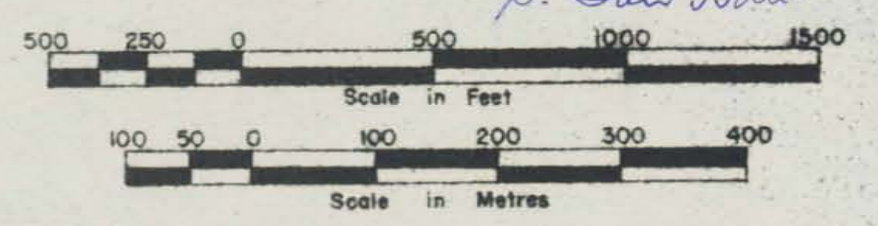


LEGEND

- m Magnetic susceptibility in gammas
(Add 56,000 for Total Field value)
- 2000- Magnetic contour in gammas
Contour interval 500
- Claim block outline
- Drill access trail

Department of
 Mines and Petroleum Resources
ASSESSMENT REPORT
 NO. 5671 MAP 3

- to accompany REPORT on MAGNETOMETER SURVEY
 SYLVIA claims by R.I. HALL Oct. 8/75 -
D. Jan Hall



50 foot contour interval
 Grid co-ordinates in metres.

Hudson's Bay Oil and Gas Company Limited
 MINERALS EXPLORATION
 VANCOUVER BRITISH COLUMBIA

TAHTSA PROJECT
 SYLVIA CLAIMS
 MAGNETOMETER SURVEY RESULTS
 CONTOUR MAP

MAP	DATE	BY	SCALE	N.T.S.
Fig. 2	Oct. 9, 1975	G.I.H.	1" = 500 ft.	93E/14

M-3

5671