

80-1425

097001

McINTYRE MINES (AUSTRALIA) PTY. LTD.

SUMMARY OF COMPLETED WORK PROGRAMME FOR EXPLORATION LICENCE 17/68

For the Period

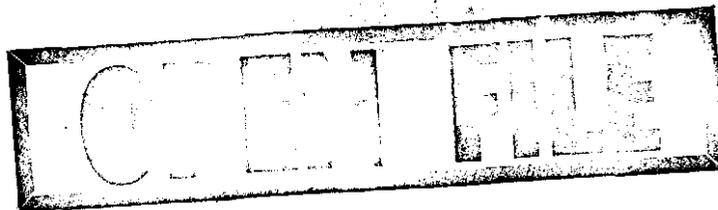
NOVEMBER 4th, 1979 to MAY 3rd, 1980

AND

PROPOSED WORK PROGRAMME FOR EXPLORATION LICENCE 17/68

For the Period

MAY 4th, 1980 to NOVEMBER 3rd, 1980



R. G. Gifford

April 30th, 1980

SUMMARY OF COMPLETED WORK PROGRAMME FOR EL 17/68 FOR THE PERIOD

NOVEMBER 4th, 1979 TO MAY 3RD, 1980

Work within the Exploration Licence 17/68 during the six months ending May 3rd, 1980 was performed by McIntyre Mines (Australia) Pty. Ltd. per agreement dated November 3rd, 1977 with Tasminex N.L. The programme was aimed mainly at geological and ground magnetic investigation of the Eastern Ridge, Kara North and L13 areas. In addition preliminary work was undertaken on the Kara South and Kara No.2 prospects, and on prospective areas located along the western side of the Licence.

Work for the period comprised mapping, ground magnetic surveys, sampling and analysis for tungsten, molybdenum and tin. A bulldozer was contracted to re-open access tracks into the areas under investigation and to cut new trenches as required. Total expenditure for the programme was \$34,233 (Appendix "B").

The experimental seismic survey which had been proposed for the period was deferred pending full assessment of the available geological data. The seismic work, to be done in co-operation with the Geological Survey, will be under review.

A list of maps for reference is given in Appendix "A".

002

PRINCIPAL RESULTS

Sampling of weathered skarn at Kara South gave significant tungsten values across substantial lengths at two separate locations. Assays for one location averaged 0.5% WO<sub>3</sub> for 8.6 metres and those for the other averaged 0.1% WO<sub>3</sub> for 6 metres. The area deserves further appraisal.

A magnetic anomaly of high relief and significant length was outlined in a ground survey of the L13 area. The anomaly, at 6,930E 7,770N, is in a region in which important tungsten values were obtained in previous surface work.

The heavily overgrown access tracks in the Kara No.2 area were cleared by bulldozer in preparation for further geological investigation.

PROPOSED WORK PROGRAMME FOR EL 17/68 FOR THE PERIOD MAY 4th, 1980 to NOVEMBER 3rd, 1980.

The future programme proposed for EL 17/68 centres on exploration of the Kara No.2 prospect located 5 km east of the Kara No.1 mining operation conducted by Tasminex N.L. The North Kara No.2 zone and associated east and south zones are underlain by iron-rich skarn of generally similar character to that which hosts tungsten at the Kara No.1 deposit.

The North Kara No.2 zone was assessed for iron potential by the Mines

Department in 1964 and by Tasminex N.L. in 1970 in a series of shallow drill holes. Core recovery for these holes as a rule was poor, and the work did not establish the depth to granite in the central and western part of the zone. No drilling is known for the east and south zones.

It is proposed to assess the north and south Kara No.2 skarn deposits by a preliminary programme of detailed geological, magnetic, and geochemical surveys. Locational surveys will be required to establish a control net for the field work.

The estimated minimum cost for the proposed work is \$11,400 as outlined below:

Geology, Magnetometry	2,600
Geochemistry	4,500
Survey	1,800
Transportation and supplies	<u>1,500</u>
Sub-Total	10,400
Contingency	<u>1,000</u>
<u>TOTAL</u>	<u>\$11,400</u>

R. Gifford

- COPIES:
- 1) Tasminex N.L.
  - 1) Mines Dept., Hobart
  - 2) Head Office
  - 1) Burnie Office

R. G. Gifford  
 McIntyre Mines (Australia) Pty. Ltd.  
 April 30th, 1980

LIST OF MAPSTO ACCOMPANY SUMMARY OF COMPLETED WORK PROGRAMME FOR EXPLORATION LICENCE 17/68FOR THE PERIOD: NOVEMBER 4th, 1979 TO MAY 3rd, 1980ATTACHMENT

Location Map	EL 17/68 Work Programme	1:20,000
Sampling Sketches	Western Region of EL 17/68	scale as shown

IN POCKET

Geology Interpretation	Eastern Ridge/Western Contact	1:1000
Geology Interpretation	Kara North	1:1000
Geology Interpretation	Kara North/L13	1:1000
Magnetic Survey	Kara North	1:1000
Magnetic Survey	Kara North/L13	1:1000
Trench Sampling and Ground Magnetic Survey	T5/Western Contact/Eastern Ridge/L5	1:2500
Trench Sampling and Ground Magnetic Survey	Kara South	1:2500

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APPENDIX "B"TO ACCOMPANY SUMMARY OF COMPLETED WORK PROGRAMME FOR EXPLORATION LICENCE 17/68

Statement of Expenditures for the period November 4th, 1979 to May 3rd, 1980.

In respect of exploration expenditures on EL 17/68 incurred by McIntyre Mines (Australia) Pty. Ltd. as Manager of a Joint Venture with Tasminex N.L. on certain mining tenements situated in the Kara area near Burnie, Tasmania.

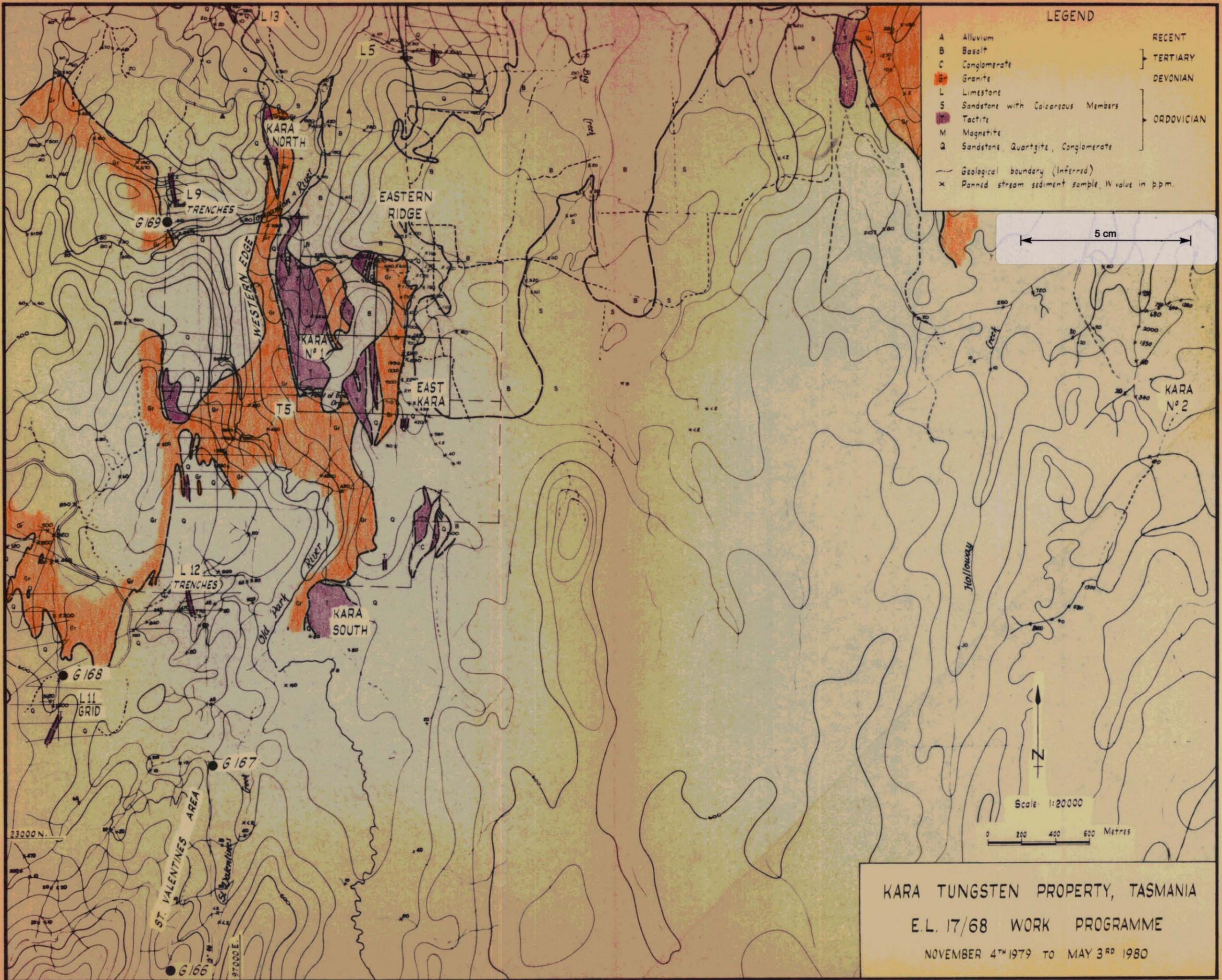
	A\$
Office Expense	8,871
Supplies	5,154
Geology	12,630
Bulldozing	4,532
Transportation	2,012
Patent and Lease Expense	576
Legal	458
	<hr/>
<u>TOTAL</u>	<u>\$34,233</u>

These expenditures have been detailed in monthly reports submitted to the Mines Department.

R. Gifford

R. G. Gifford, P. Eng.

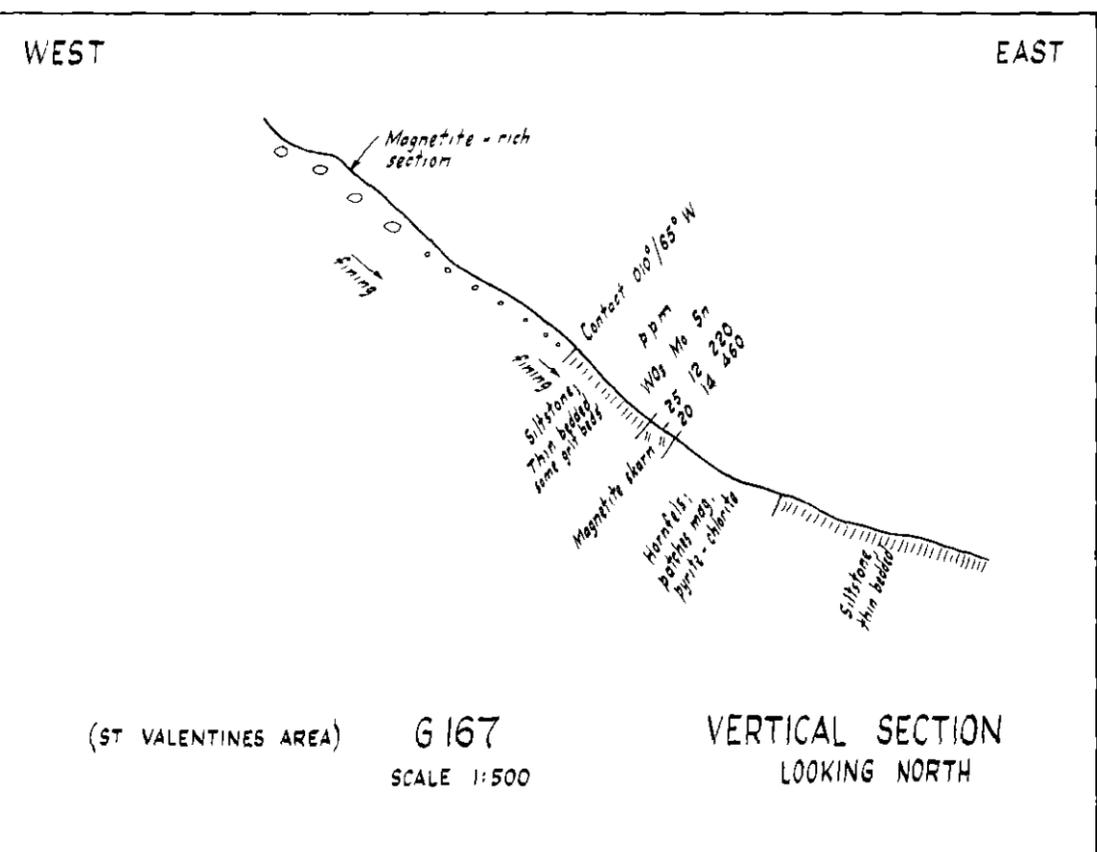
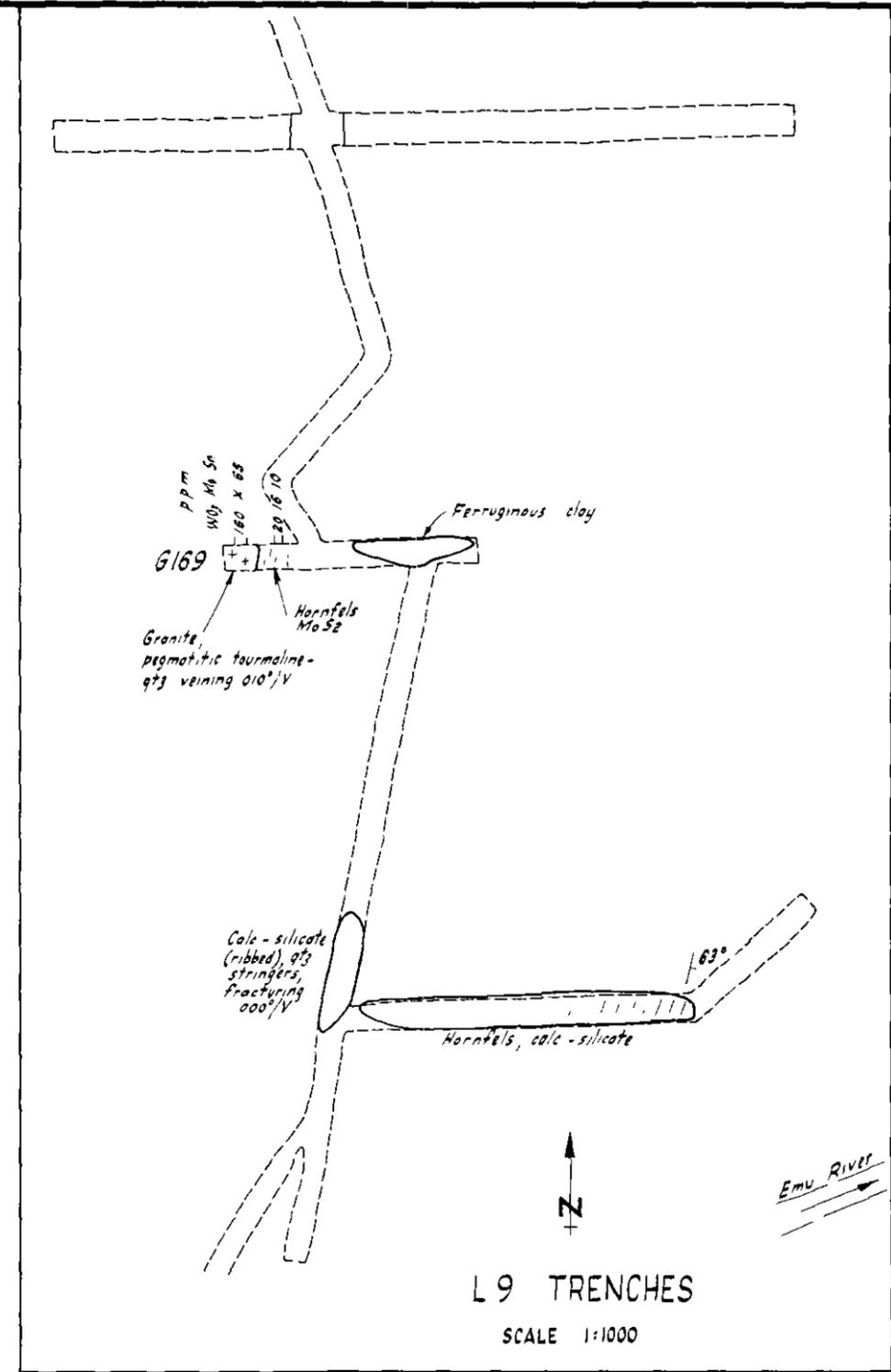
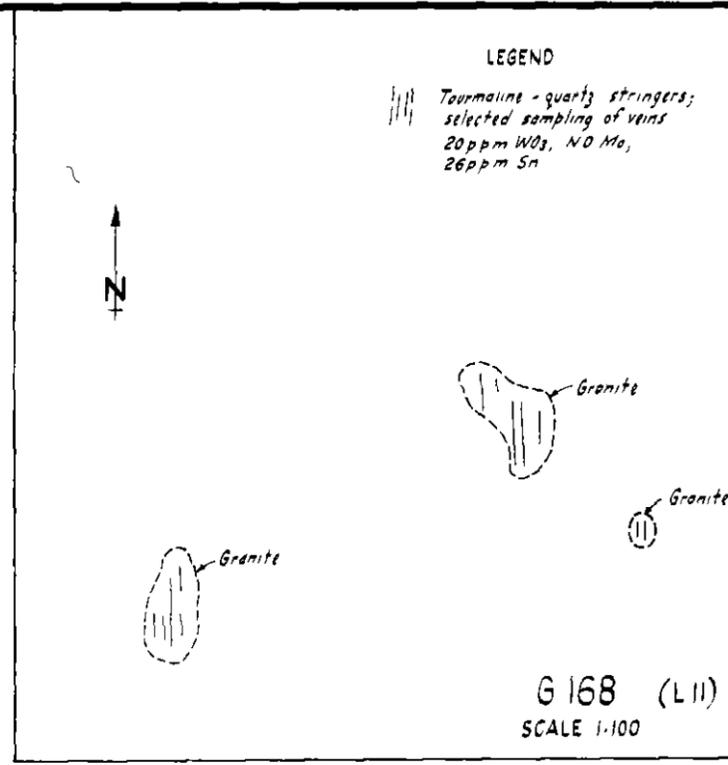
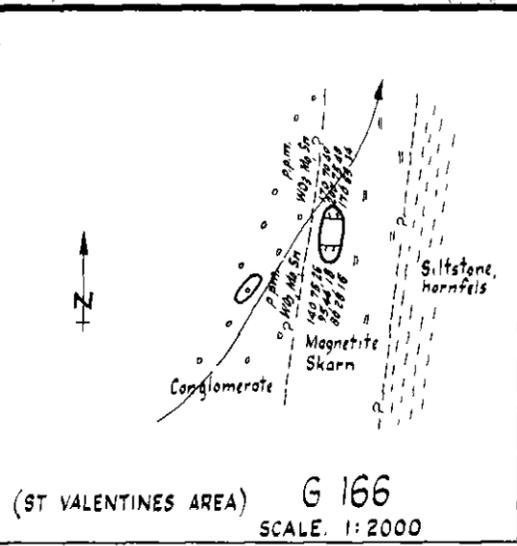
McIntyre Mines (Australia) Pty. Ltd.



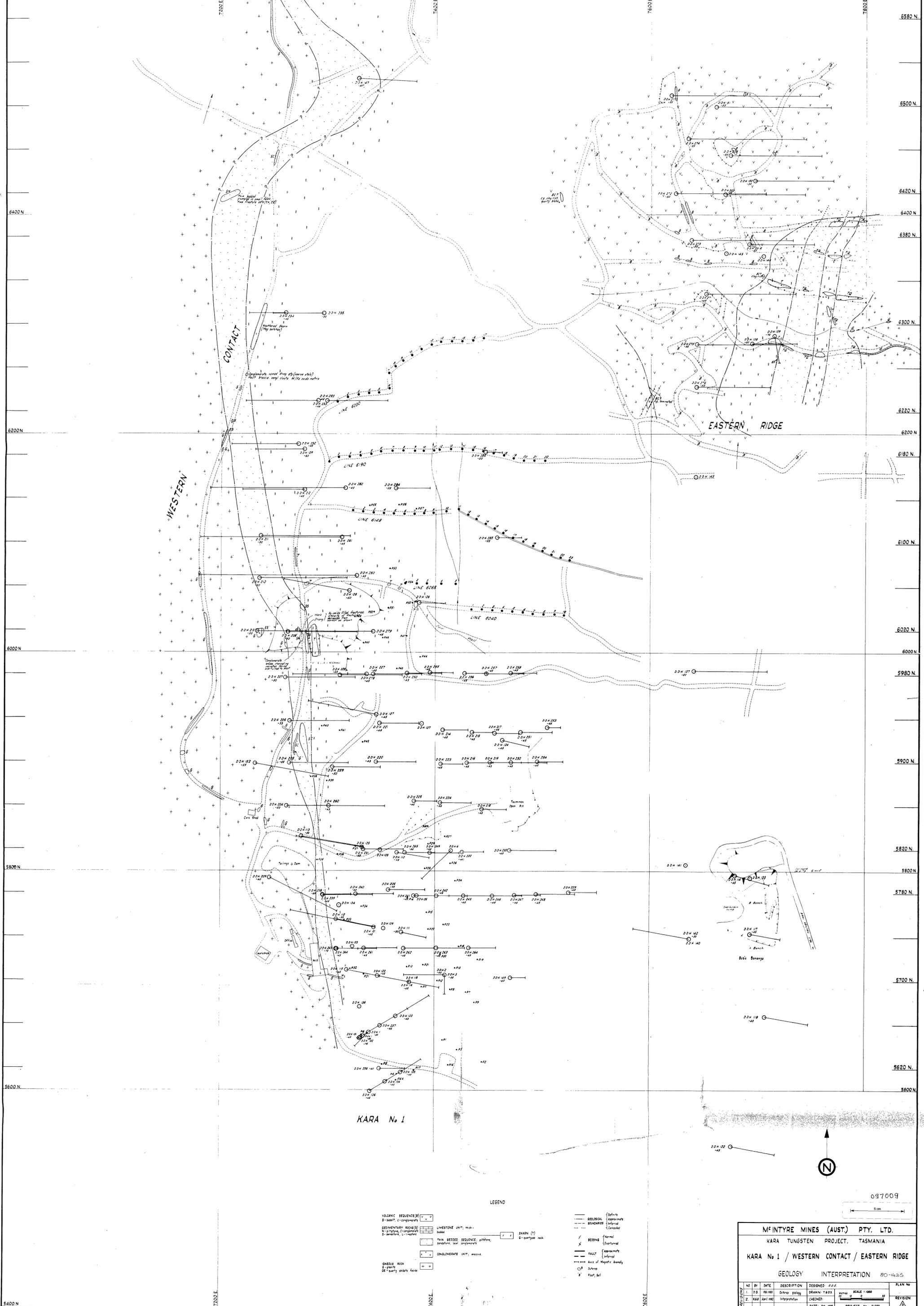
KARA TUNGSTEN PROPERTY, TASMANIA  
 E.L. 17/68 WORK PROGRAMME  
 NOVEMBER 4<sup>TH</sup> 1979 TO MAY 3<sup>RD</sup> 1980

80-1425

097007



E.L. 17/68, WESTERN REGION  
SAMPLING



WESTERN

EASTERN RIDGE

KARA No 1

LEGEND

- |                                 |                                 |                          |             |
|---------------------------------|---------------------------------|--------------------------|-------------|
| VOLCANIC SEQUENCE (S)           | SEMI-CONGLOMERATE UNIT, massive | Geological boundaries    | Approximate |
| Sedimentary rocks (S)           | LIMESTONE UNIT, massive         | Geological boundaries    | Inferred    |
| Thin bedded sequence, siltstone | SHALE (?)                       | Geological boundaries    | Confirmed   |
| CONGLOMERATE UNIT, massive      | SHALE (?)                       | Bedding                  | Normal      |
| SHALE ROCK                      | SHALE (?)                       | Bedding                  | Overturned  |
| DE-barly sandy face             | SHALE (?)                       | Fault                    | Approximate |
|                                 | SHALE (?)                       | Fault                    | Inferred    |
|                                 | SHALE (?)                       | Axis of Magnetic anomaly |             |
|                                 | SHALE (?)                       | Outcrop                  |             |
|                                 | SHALE (?)                       | Flat, hill               |             |

97009

50m

N

M'INTYRE MINES (AUST) PTY. LTD.						
KARA TUNGSTEN PROJECT, TASMANIA						
KARA No 1 / WESTERN CONTACT / EASTERN RIDGE						
GEOLOGY INTERPRETATION 80-425						
NO	BY	DATE	DESCRIPTION	DESIGNED	SCALE	PLAN No
1	SB	Feb 1980	Outline geology	DRAWN T.G.S.	1:1000	
2	SB	April 1980	Interpretation	CHECKED	1:1000	
DATE: Feb 1980		PROJECT No: 21081				



2832

LEGEND

<p><b>VOLCANIC SEQUENCE</b></p> <p>B - basalt, C - conglomerate</p> <p><b>SEDIMENTARY ROCKS</b></p> <p>N - siltstone, S - conglomerate, B - sandstone, L - limestone</p> <p><b>LIMESTONE UNIT, massive</b></p> <p><b>THIN BEDDED SEQUENCE</b> siltstone, sandstone, local conglomerate</p> <p><b>CONGLOMERATE UNIT, massive</b></p> <p><b>IGNEOUS ROCK</b></p> <p>D - granite</p> <p>GE - locally extensive gneiss</p>	<p><b>BOUNDARIES</b></p> <p>Definite</p> <p>Approximate</p> <p>Inferred</p> <p>Concealed</p> <p><b>BEDDING</b></p> <p>Normal</p> <p>Overturned</p> <p><b>FAULT</b></p> <p>Approximate</p> <p>Inferred</p> <p>Axis of Magnetic Anomaly</p> <p>Scrub Soil</p>
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097010

5 cm

M'INTYRE MINES (AUST.) PTY. LTD.

KARA TUNGSTEN PROJECT, TASMANIA

KARA NORTH

GEOLOGY INTERPRETATION 80-1425

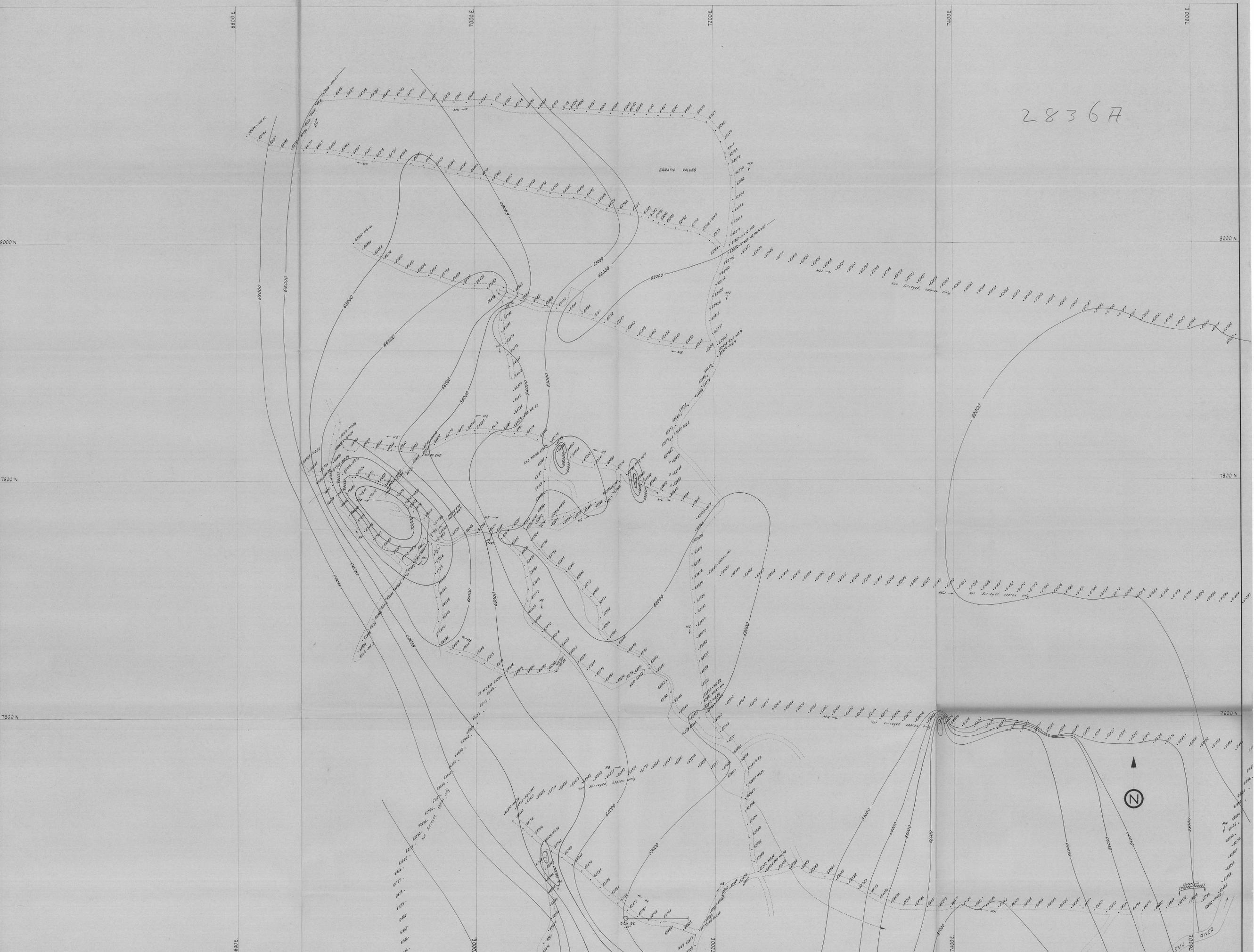
NO.	BY	DATE	DESCRIPTION	DESIGNED	DATE	SCALE	PLAN NO.
1.	D.B.	FEB 1960	Outline geology	DRAWN	2.2.58	1:1000	
2.	R.B.B.	APRIL 1960	Interpretation	CHECKED			REVISION

PROJECT No 21081

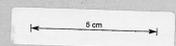




2836A



Key  
 • 67000 Gauss  
 Work by D. Barrett Feb 1965  
 Instr - Sinter, M.R. & Patten Prosser  
 Contour Interval: 1000 Gauss

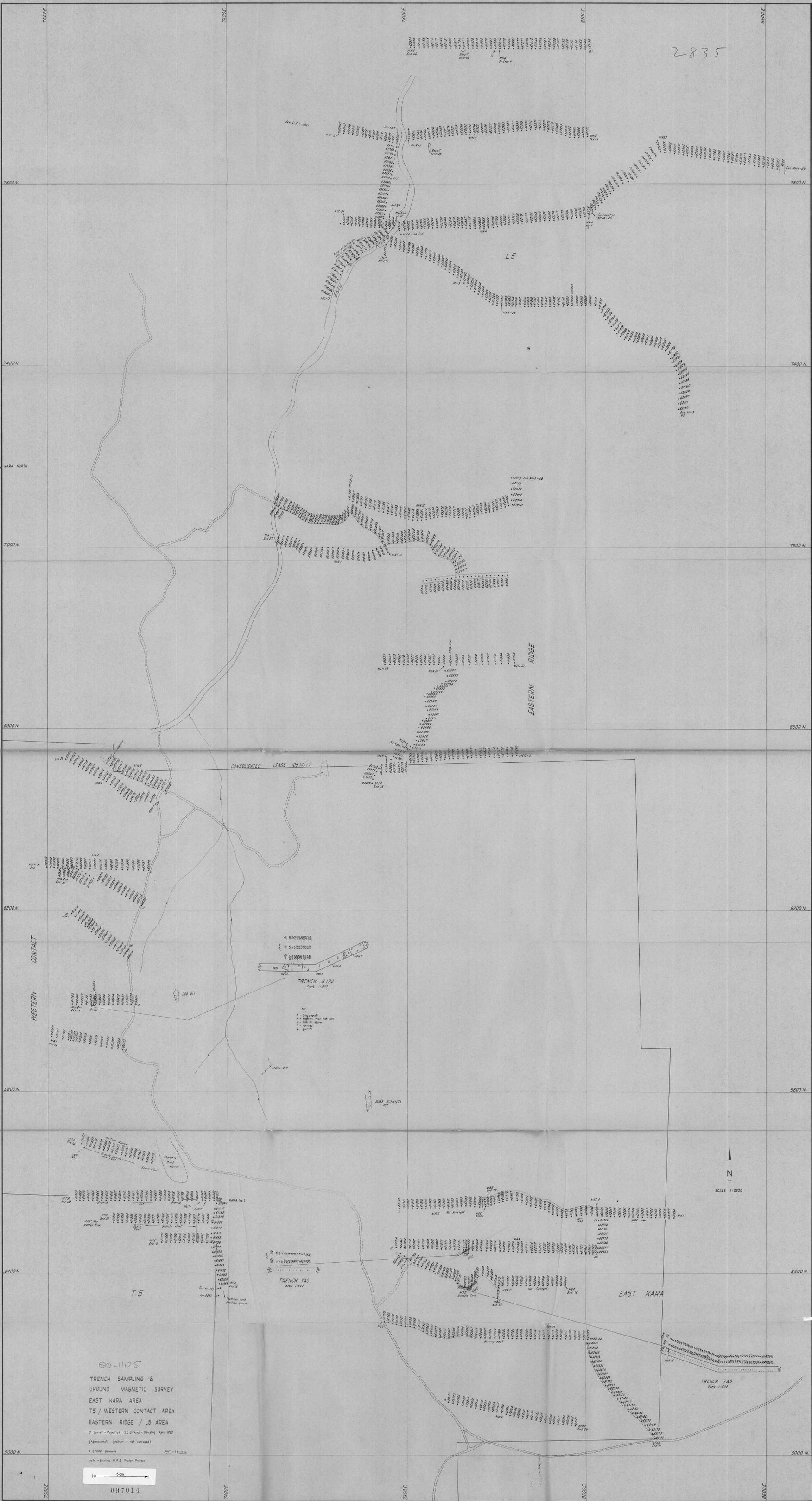


M<sup>C</sup>INTYRE MINES (AUST.) PTY. LTD.  
 KARA TUNGSTEN PROJECT, TASMANIA  
 KARA NORTH / L13 80-17-25  
 GROUND MAGNETIC CONTOURS

NO	BY	DATE	DESCRIPTION	DESIGNED	D.W.P.	PLAN No
	JORAN		CHECKED			REVISION

SCALE 1:1000  
 PROJECT No. 2108

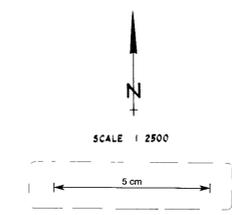
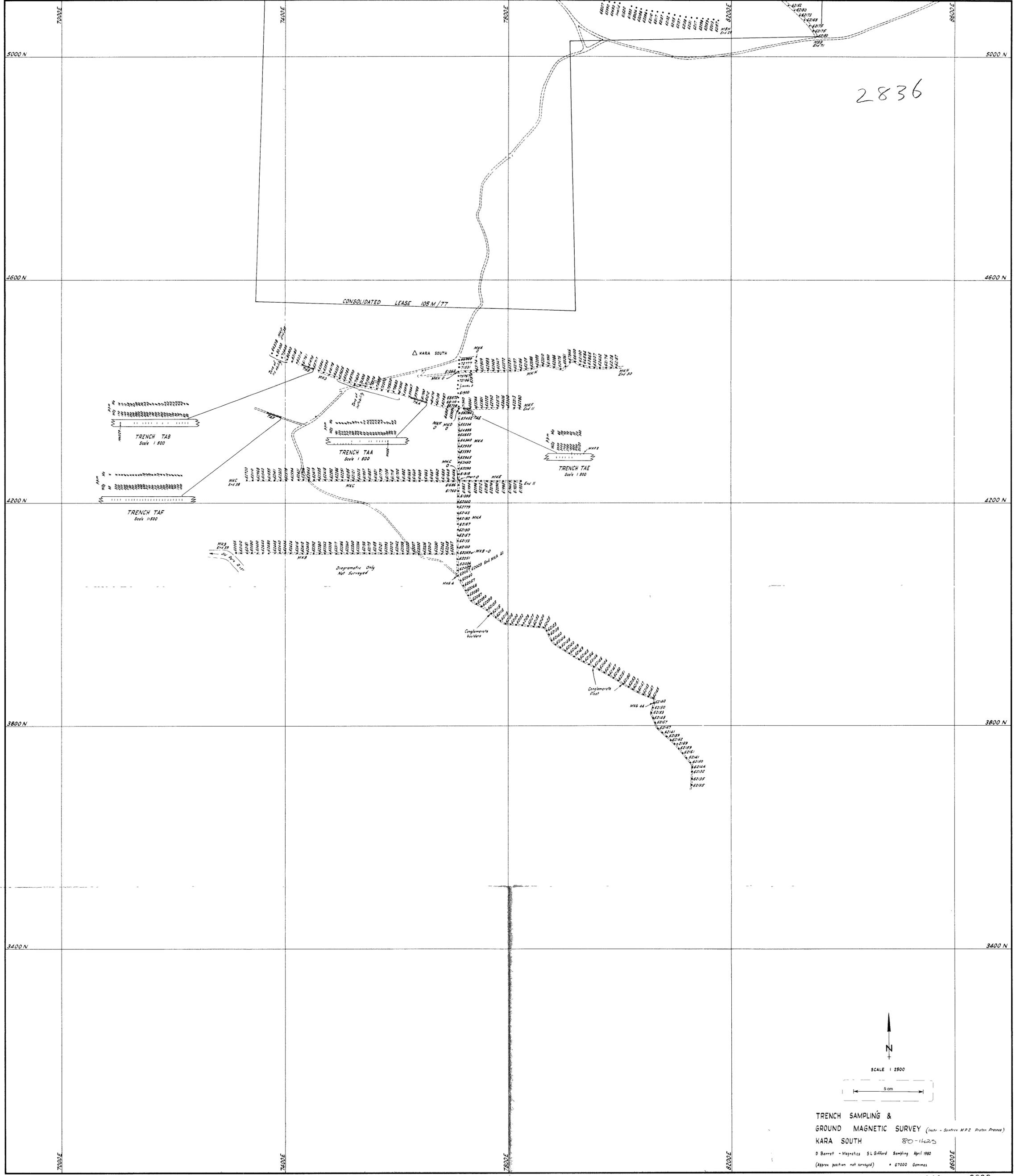
2835



80-1425  
 TRENCH SAMPLING &  
 GROUND MAGNETIC SURVEY  
 EAST KARA AREA  
 T5 / WESTERN CONTACT AREA  
 EASTERN RIDGE / L5 AREA  
 D. Barrow - Magnetis, S.L. Duffin - Sampling April 1982  
 (Approximate position - not surveyed)  
 + 87000 datum  
 80-1425  
 Inset - British M.P. 2, Patten Press

0 cm  
 097014

2836



TRENCH SAMPLING &  
 GROUND MAGNETIC SURVEY (Instr - Southern MP2 Proton Process)  
 KARA SOUTH 80-1425  
 D Barrett - Magnetics S.L. Gifford Sampling April 1980  
 (Approx position not surveyed) • 67000 Gauss