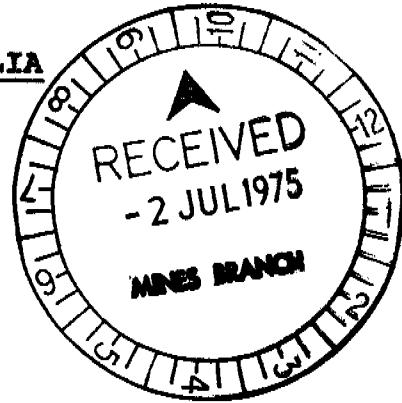


G E O P E K O L I M I T E D

CENTRAL AUSTRALIA



FINAL REPORT ON RELINQUISHED AREA

FROM

EXPLORATION LICENCE NO.982

Compiled

by

R.G. COLVILLE

TENNANT CREEK, N.T.

MAY, 1975

FINAL REPORT ON RELINQUISHED AREA FROM EXPLORATION LICENCE NO.982.

CONTENTS

	<u>Page No.</u>
1. INTRODUCTION	1
2. TENURE	2
3. REGIONAL GEOLOGY	3
4. REGIONAL GEOPHYSICS	4
5. EXPENDITURE	5

APPENDICES

Appendix 1. Schedule of Relinquished Area from Exploration Licence No.982.

LIST OF FIGURES

- Fig.1 Locality Plan Showing the Position of Exploration Licence No.982.
- Fig.2 Plan Showing Area Relinquished from Exploration Licence No.982.
- Fig.3 Residual Magnetic Intensity Contours for Areas Relinquished within Exploration Licence No.982.(Sheet 1)
- Fig.4 Residual Magnetic Intensity Contours for Areas Relinquished within Exploration Licence No.982.(Sheet 2)
- Fig.5 Residual Magnetic Intensity Contours for Areas Relinquished within Exploration Licence No.982.(Sheet 3)
- Fig.6 Residual Magnetic Intensity Contours for Areas Relinquished within Exploration Licence No.982.(Sheet 4)

1. INTRODUCTION.

Exploration Licence No.982 held by Peko Mines Ltd., was granted on February 8th, 1974, for a period of twelve months. Applications for renewal for a further 12 months period was lodged with the Mines Branch on January 16th, 1975, at which time the area held under licence was reduced from 1290 sq.kms., (498 sq.mls.,) to 323.7 sq.kms., (125 sq.mls.,). A plan of the area relinquished from the Exploration Licence is enclosed (see Fig.2) and a schedule of the area is appended, (see Appendix 1).

This report outlines the exploration activities conducted over the area relinquished by Geopeko Limited, on behalf of Peko Mines Ltd., for the twelve months ending February 8th, 1975. It is submitted as the Final Report on the relinquished area in pursuance of Section 38 O Sub-section (11) of the Mining Ordinance 1939-1972.

The northeastern ($20^{\circ}00'00''$, $133^{\circ}00'00''$) corner of the relinquished area is approximated 84.5 kms on a true bearing of 264° from Tennant Creek.

Access to the area (see Fig.1) is via a bitumen road from Tennant Creek to the Warrego Mine of Peko Mines Ltd., thence 11.5kms west along the Wiso Bore road to a formed dirt track that runs south for approximately 63 kms to Geopeko Limited's Rover Camp. From the Rover Camp a graded dirt track continues south for approximately 2 kms then turns west for 8 kms, thence south for 4 kms, thence 22 kms west to a north-south trending track. Approximately 3 kms south of the above "T" intersection an illdefined flagged vehicle track runs in a westerly direction. This east-west trending track runs west and stops 4 kms short of the eastern boundary of the relinquished area.

A low level aeromagnetic survey was carried out by Geometrics International Incorporated on behalf of Geopeko Limited.

An analysis of the aeromagnetic results was undertaken, these indicated there were no areas of interest within the relinquished area.

2. TENURE

There is no Mining Tenement held or under application within the area relinquished from Exploration Licence No.982.

3. REGIONAL GEOLOGY.

With the exception of several Tertiary Laterite outcrops within the extreme northwestern corner of the most western of the two separate areas relinquished, both areas are devoid of outcrop and are covered with superficial sand and bulldust.

The magnetic character over the areas relinquished is not characteristic of regions underlain by the Lower Proterozoic Warramunga Group and is interpreted to be due to Palaeozoic Sediments which are known to outcrop south of Exploration Licence No.982.

4. REGIONAL GEOPHYSICS.

A low level aeromagnetic survey of the area was carried out by Geometrics International Incorporated on behalf of Geopeko Limited.

A detailed analysis of the aeromagnetic results was carried out. The analysis of the relinquished areas indicated that they displayed a featureless magnetic character and no anomalies were observed which could potentially represent a discrete magnetic body. The area was therefore considered to have little or no potential.

5. EXPENDITURE.

The expenditure incurred solely on the area relinquished from Exploration Licence No.982 cannot be determined from the Cost Analysis System used. The differentiation of the costs to cover discrete areas is not carried out until an anomaly is granted "Prospect Status" and the "evaluation phase", that is, gridding, leasing, detailed magnetic surveys, drilling &c. has been reached.

The total expenditure for the period February 9th, 1974 to February 8th, 1975 on Exploration Licence No.982 which includes the relinquished area was \$25,207:00.

APPENDICE 1.

SCHEDULE OF AREAS RELINQUISHED FROM EXPLORATION LICENCE NO.982.

All that piece or parcel of land in the Northern Territory of Australia containing an area of 642 sq.kms., (248 sq.mls.,) the boundaries of which are described as follows:-

WESTERN AREA.

Commencing at the intersection of latitude 19 degrees 50 minutes 00 seconds with longitude 132 degrees 35 minutes 00 seconds, thence proceeding to the intersection of latitude 20 degrees 00 minutes 00 seconds with longitude 132 degrees 35 minutes 00 seconds, thence proceeding to the intersection of latitude 20 degrees 00 minutes 00 seconds with longitude 132 degrees 25 minutes 00 seconds, thence proceeding to the intersection of latitude 19 degrees 50 minutes 00 seconds with longitude 132 degrees 25 minutes 00 seconds, thence proceeding to the intersection of latitude 19 degrees 50 minutes 00 seconds with longitude 132 degrees 35 minutes 00 seconds.

EASTERN AREA.

Commencing at the intersection of latitude 20 degrees 00 minutes 00 seconds with longitude 133 degrees 00 minutes 00 seconds, thence proceeding to the intersection of latitude 20 degrees 05 minutes 00 seconds with longitude 133 degrees 00 minutes 00 seconds, thence proceeding to the intersection of latitude 20 degrees 05 minutes 00 seconds with longitude 132 degrees 55 minutes 00 seconds, thence proceeding to the intersection of latitude 20 degrees 15 minutes 00 seconds with longitude 132 degrees 55 minutes 00 seconds, thence proceeding to the intersection of latitude 20 degrees 15 minutes 00 seconds with longitude 132 degrees 50 minutes 00 seconds, thence proceeding to the intersection of latitude 20 degrees 10 minutes 00 seconds with longitude 132 degrees 50 minutes 00 seconds, thence proceeding to the intersection of latitude 20 degrees 10 minutes 00 seconds with longitude 132 degrees 40 minutes 00 seconds, thence proceeding to the intersection of latitude 20 degrees 00 minutes 00 seconds with longitude 132 degrees 40 minutes 00 seconds, thence proceeding to the intersection of latitude 20 degrees 00 minutes 00 seconds with longitude 133 degrees 00 minutes 00 seconds.

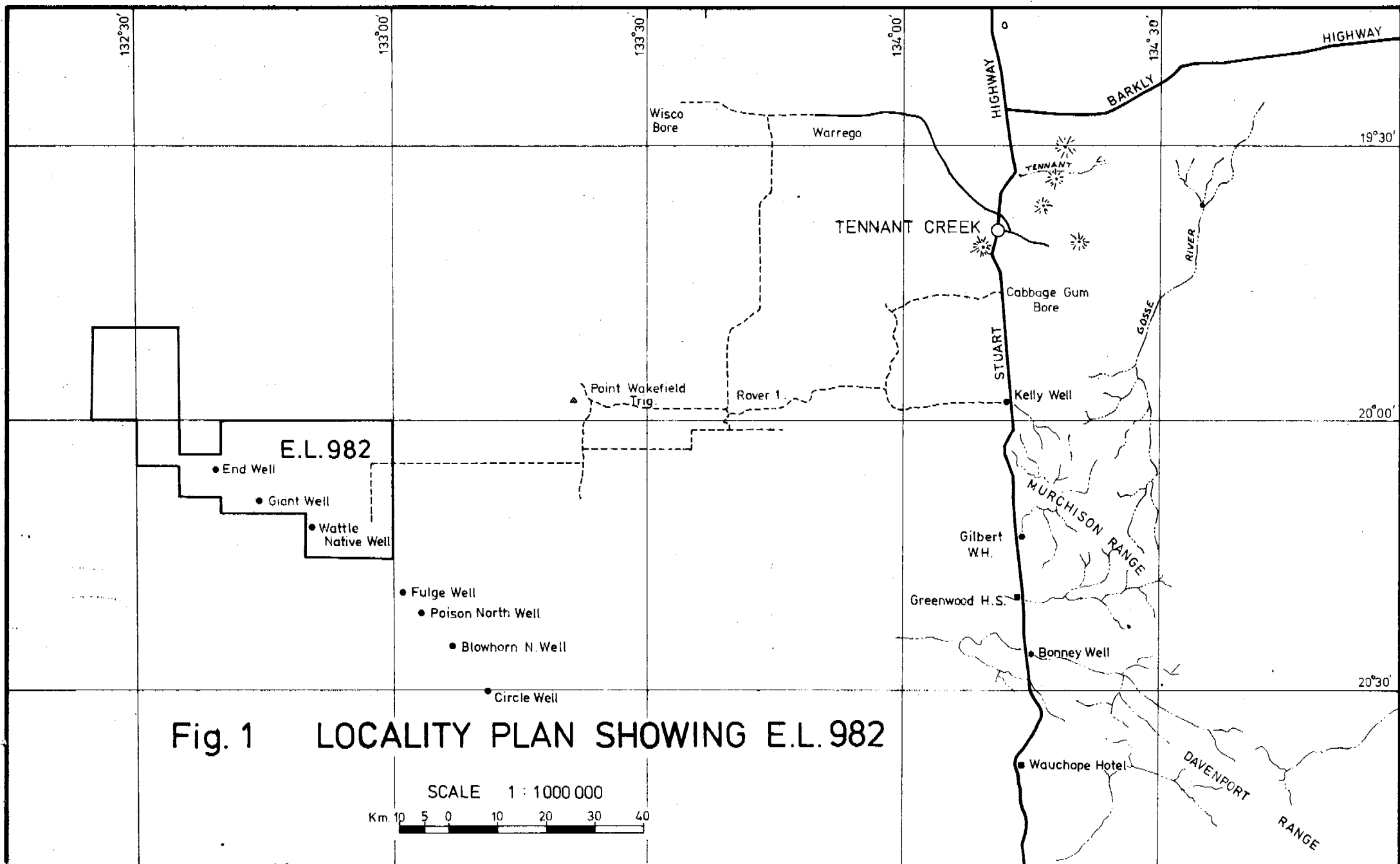
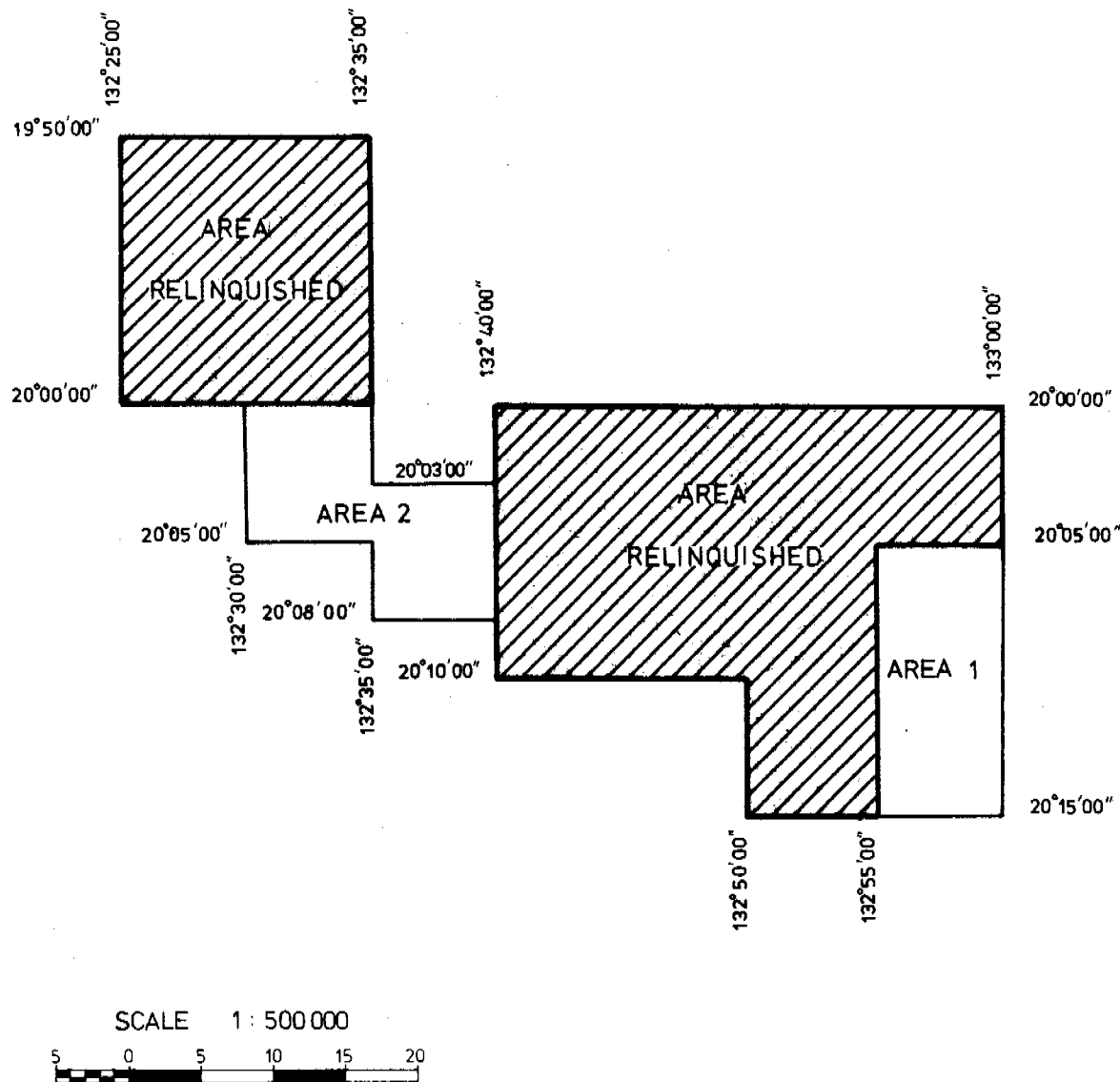


Fig. 2



**PLAN SHOWING AREAS RELINQUISHED
WITHIN EXPLORATION LICENCE N° 982**

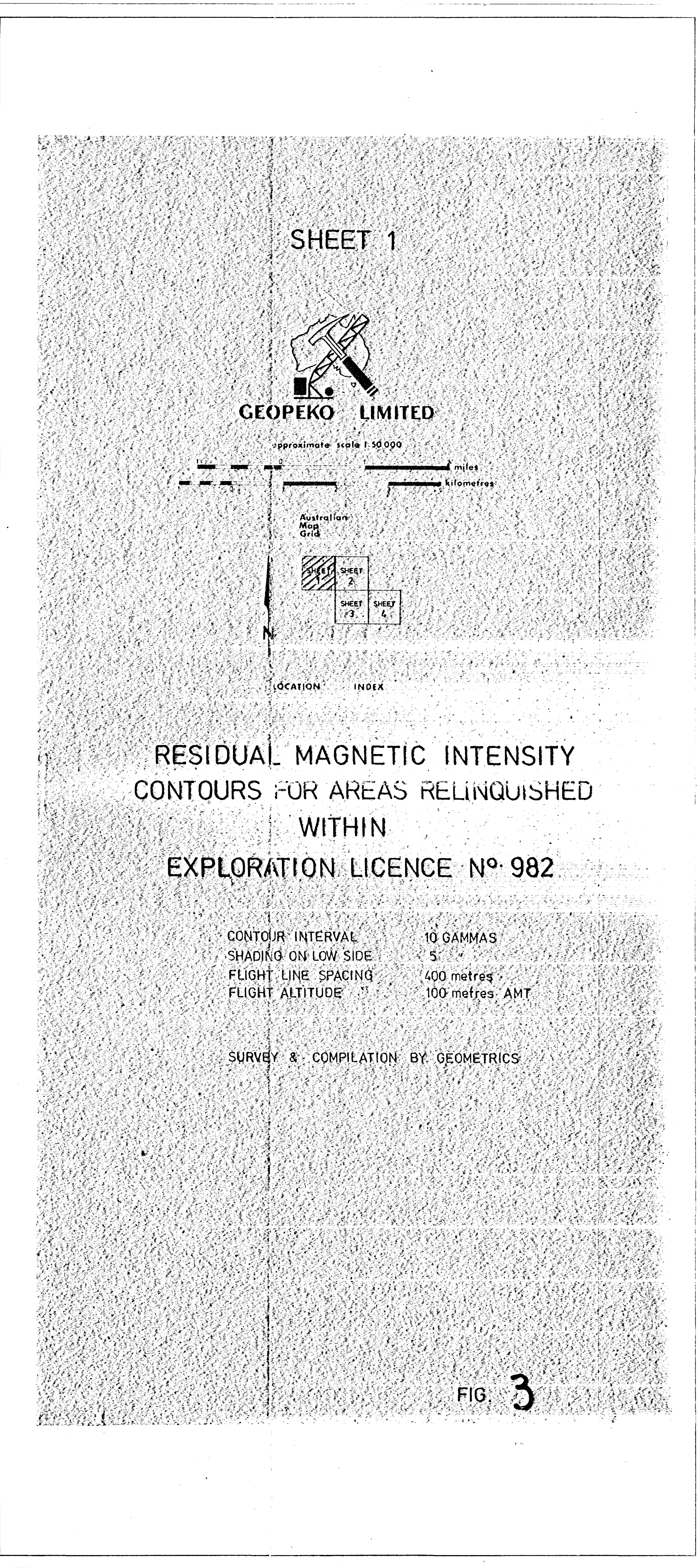
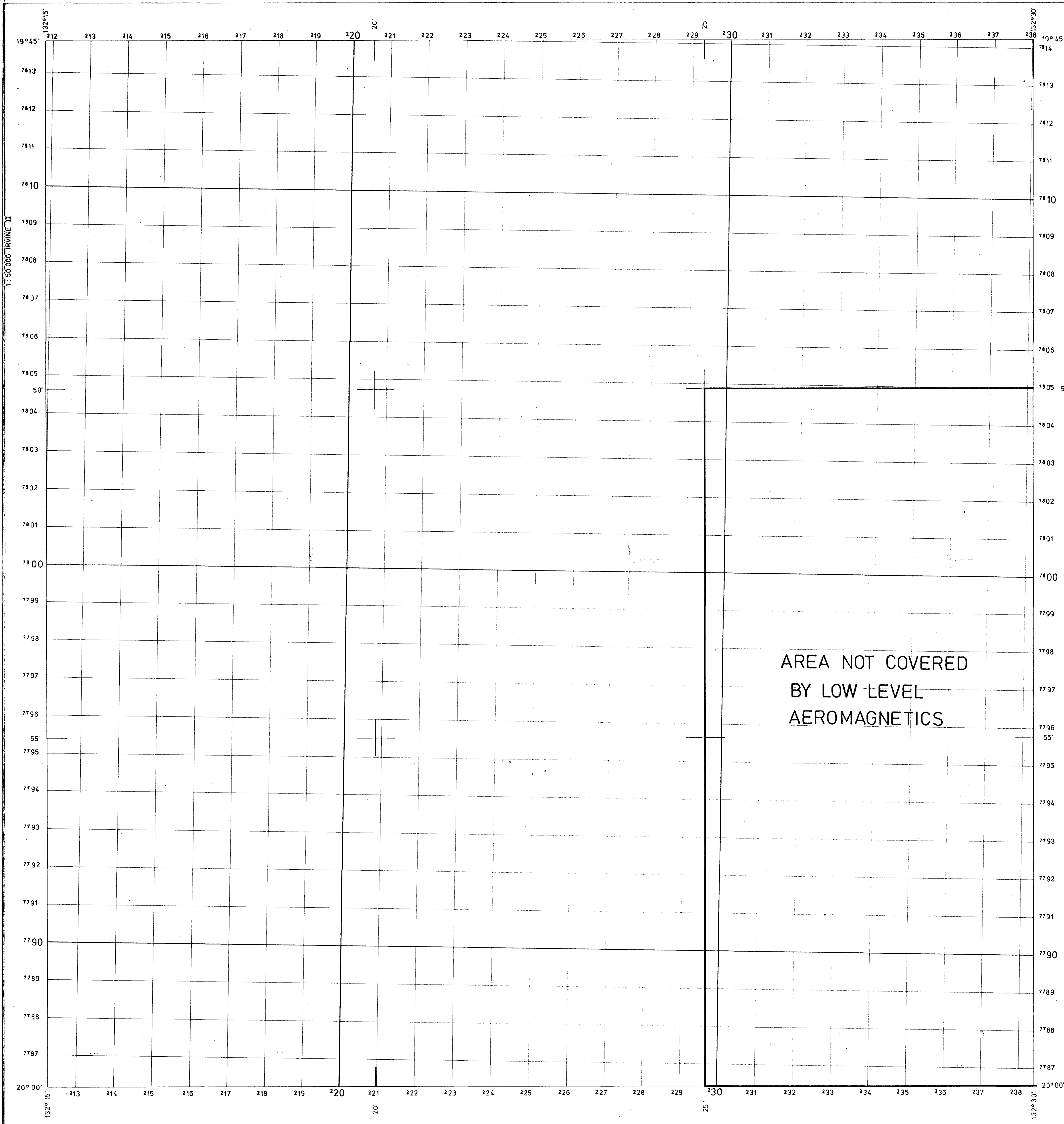
GEOPEKO LIMITED
TENNANT CREEK

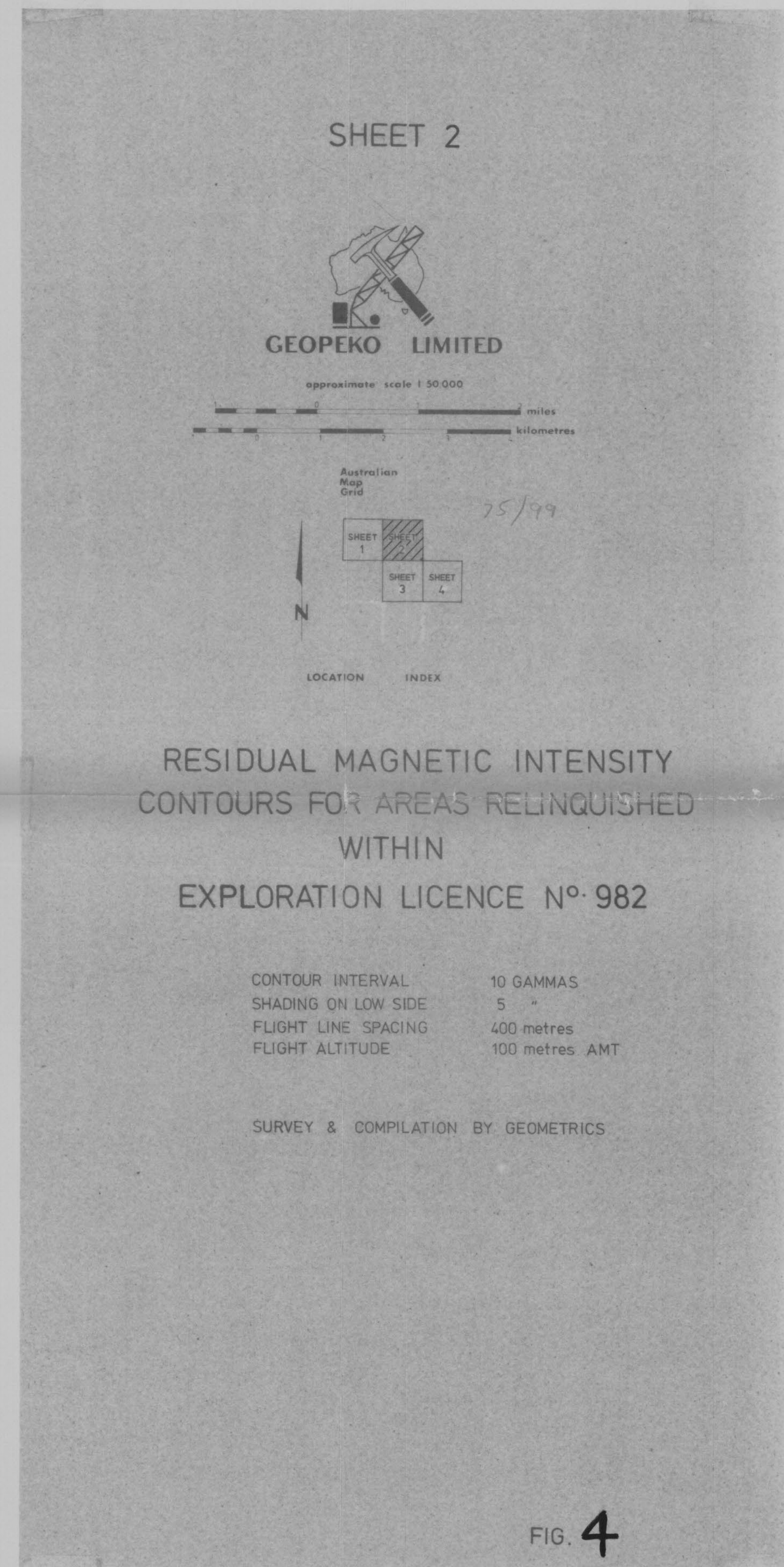
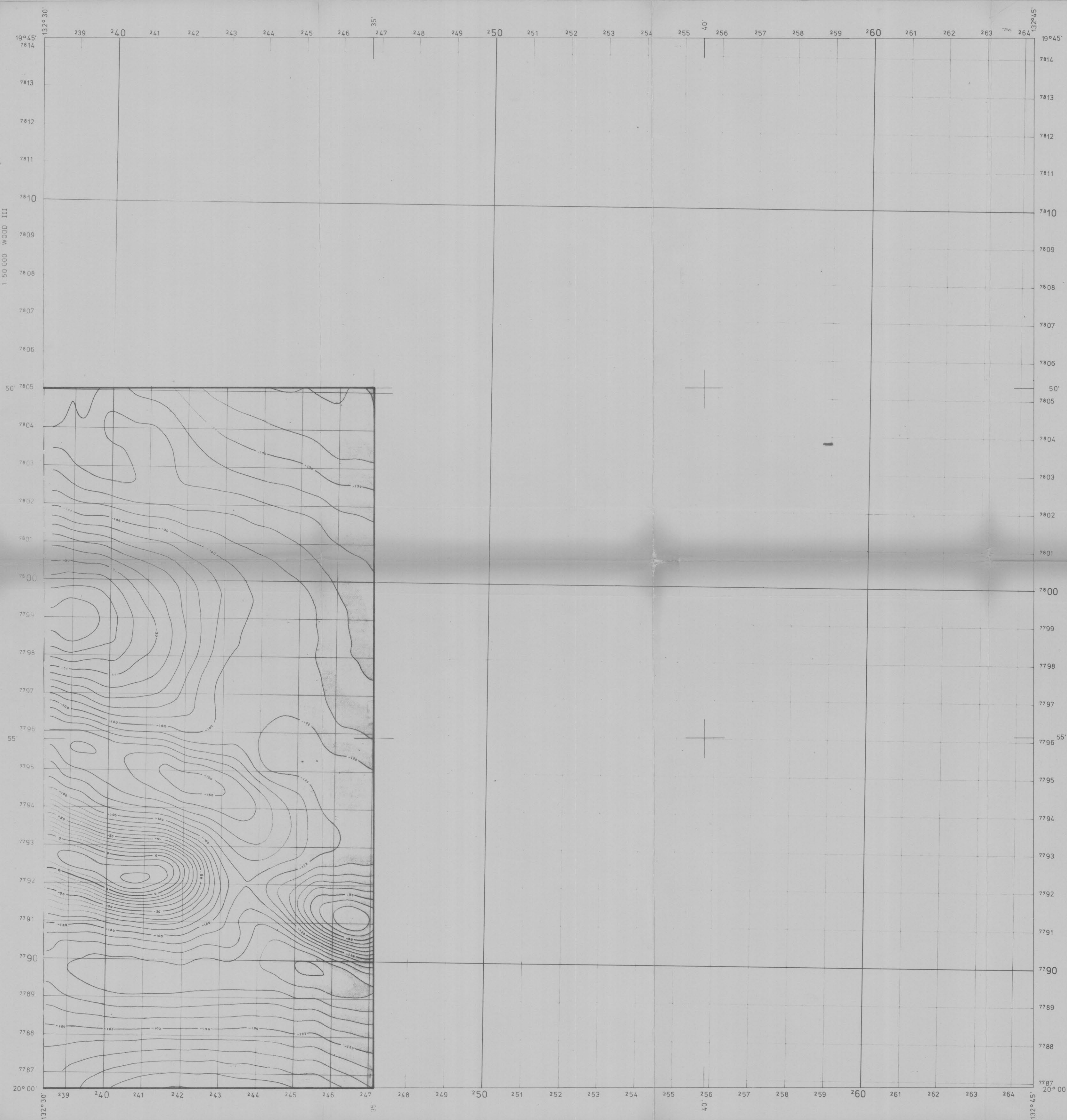
DRAWN
D. J. M.

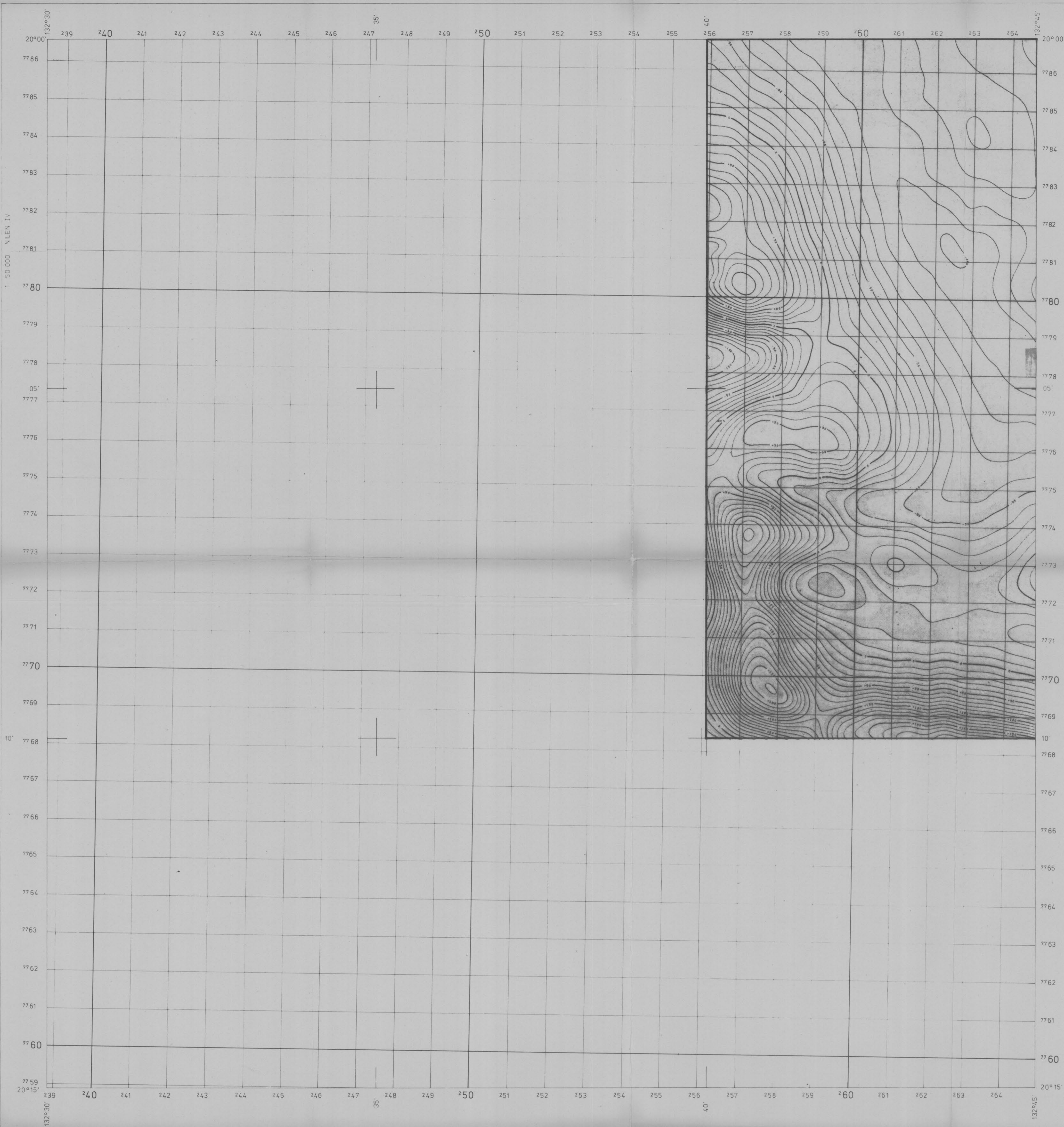
SCALE
AS SHOWN

DATE
23 APR. 75

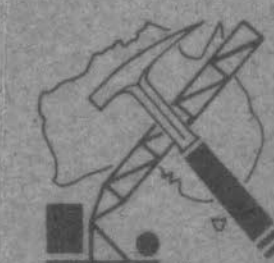
Dwg. No.
TF 1536







SHEET 3

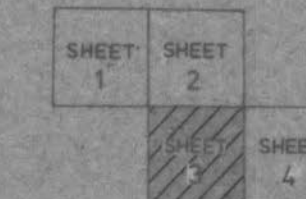


GEOPEKO LIMITED

approximate scale 1:50,000



Australian
Map
Grid



N

LOCATION INDEX

RESIDUAL MAGNETIC INTENSITY
CONTOURS FOR AREAS RELINQUISHED
WITHIN
EXPLORATION LICENCE NO. 982

CONTOUR INTERVAL	10 GAMMAS
SHADING ON LOW SIDE	5 "
FLIGHT LINE SPACING	400 metres
FLIGHT ALTITUDE	100 metres AMT

SURVEY & COMPILATION BY GEOMETRICS

FIG. 5

