

**AIRBORNE SURVEY SPECIFICATIONS**

AIRCRAFT : Squirrel Helicopter  
 MAGNETOMETER : SCINTREX cesium vapour optical absorption mounted on a bird  
 SENSITIVITY : 0.05 AT  
 RECORDING INTERVAL : 0.1 sec  
 NOMINAL TERRAIN CLEARANCE : Sensor is towed bird at 80 m  
 SPECTROMETER : Nuclear Data 256 channel ADC  
 TOTAL COUNT WINDOW : 0.4 - 3.00 MeV  
 POTASSIUM WINDOW : 1.35 - 1.57 MeV  
 URANIUM WINDOW : 1.63 - 1.89 MeV  
 THORIUM WINDOW : 2.42 - 2.82 MeV  
 RECORDING INTERVAL : 1.0 sec  
 DATA RECORDING : Geotrex MADACS acquisition system  
 Digital to magnetic tape  
 NOMINAL TERRAIN CLEARANCE : Detectors in aircraft at 110 m  
 NOMINAL LINE SPACING : Transverse lines 100 m  
 FLIGHT PATH NAVIGATION : Trig lines 1.0 km  
 SERCEL M8103 GPS and SERCEL ND5100  
 UNF DGPS navigation system  
 FLIGHT PATH RECORD : real time from UNF DGPS system  
 corrected for selected availability

**FLIGHT PATH**  
 Grid notation refers to Australian Map Grid Zone 55  
 Navigation fix 32768

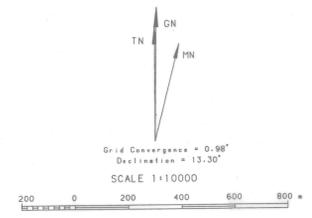
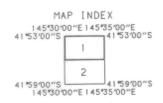
5362000

5360000

5359000

5358000

5357000



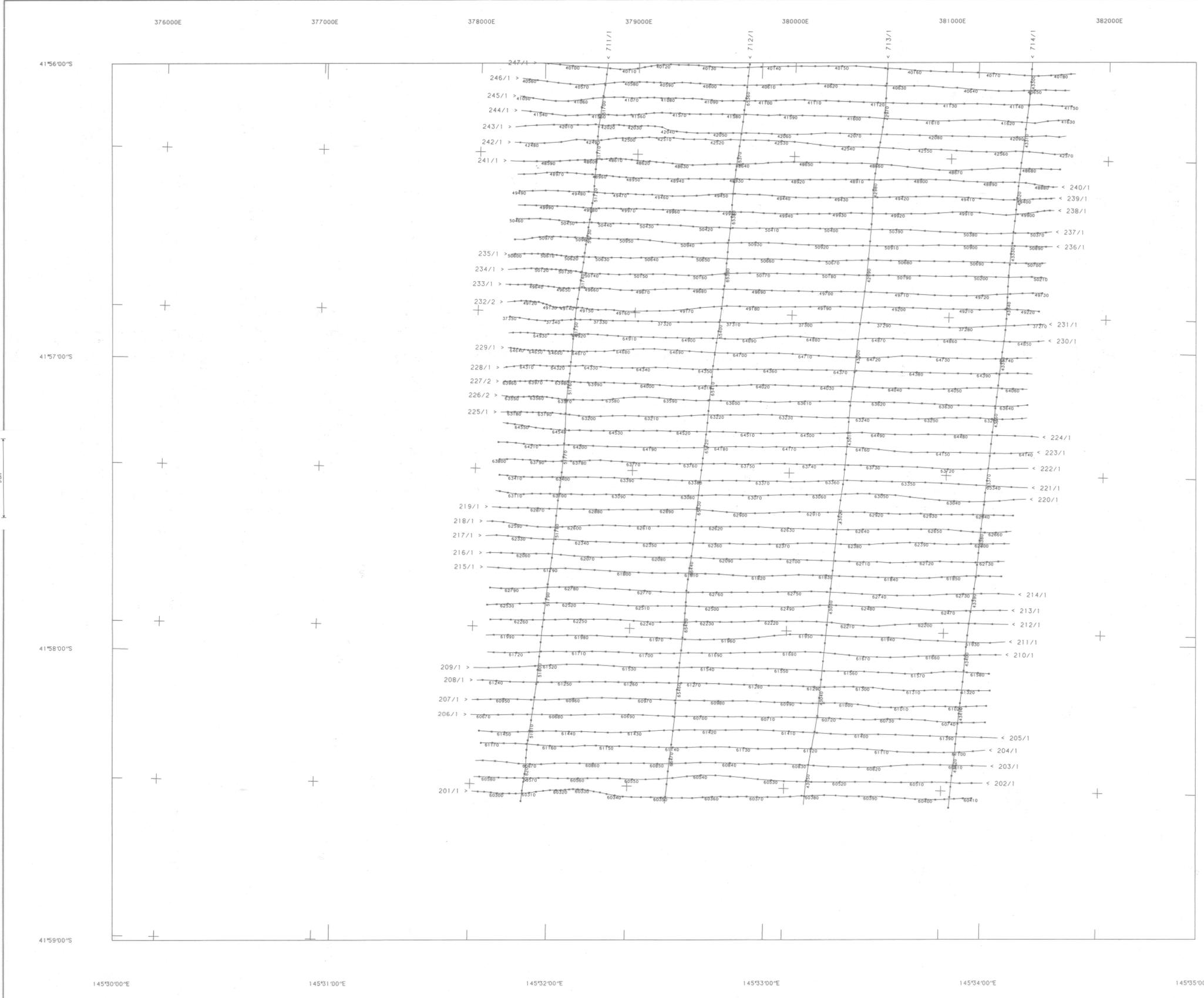
JOB NO : 3-445  
 Surveyed by GEOTERREX PTY LTD, March 1993  
 Compiled by GEOTERREX PTY LTD, SYDNEY  
 Processed by GEOTERREX PTY LTD, SYDNEY

**ABERFOYLE RESOURCES LTD**

**ANTHONY BASIN  
 FLIGHT PATH  
 BURNIE SK55-3  
 SHEET 1 OF 2**

DRAWING NO: **ANT B6/1** DATE : 12-MAY-1993

93-3513  
a/b



**AIRBORNE SURVEY SPECIFICATIONS**

AIRCRAFT : Squirrel Helicopter  
MAGNETOMETER : SCINTREX caesium vapour optical  
RECORDING INTERVAL : 100m  
NOMINAL TERRAIN CLEARANCE : 100m  
SPECTROMETER : Nuclear Data 256 channel ADC  
TOTAL COUNT WINDOW : 0.4 - 3.00 MeV  
POTASSIUM WINDOW : 1.35 - 1.57 MeV  
URANIUM WINDOW : 1.53 - 1.89 MeV  
THORIUM WINDOW : 2.42 - 2.82 MeV  
RECORDING INTERVAL : 1.0 sec  
DATA RECORDING : Geotrex MADACS acquisition system  
NOMINAL TERRAIN CLEARANCE : Digital magnetic tape  
NOMINAL LINE SPACING : 100m  
NOMINAL LINE SPACING : 100m  
FLIGHT PATH NAVIGATION : SERCEL M103 GPS and SERCEL NDS100  
FLIGHT PATH RECORD : UHF GPS navigation system  
real time from UHF GPS system  
corrected for selected availability

**FLIGHT PATH**

Grid notation refers to Australian Map Grid Zone 55  
Navigation fix 32768

535600N

535500N

535400N

535300N

535200N

535100N

535000N

534900N

534800N

534700N

534600N

534500N

534400N

534300N

534200N

534100N

534000N

533900N

533800N

533700N

533600N

533500N

533400N

533300N

533200N

533100N

533000N

532900N

532800N

532700N

532600N

532500N

532400N

532300N

532200N

532100N

532000N

531900N

531800N

531700N

531600N

531500N

531400N

531300N

531200N

531100N

531000N

530900N

530800N

530700N

530600N

530500N

530400N

530300N

530200N

530100N

530000N

529900N

529800N

529700N

529600N

529500N

529400N

529300N

529200N

529100N

529000N

528900N

528800N

528700N

528600N

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526400N

526300N

526200N

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523700N

523600N

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523400N

523300N

523200N

523100N

523000N

522900N

522800N

522700N

522600N

522500N

522400N

522300N

522200N

522100N

522000N

521900N

521800N

521700N

521600N

521500N

521400N

521300N

521200N

521100N

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512300N

512200N

512100N

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511300N

511200N

511100N

511000N

510900N

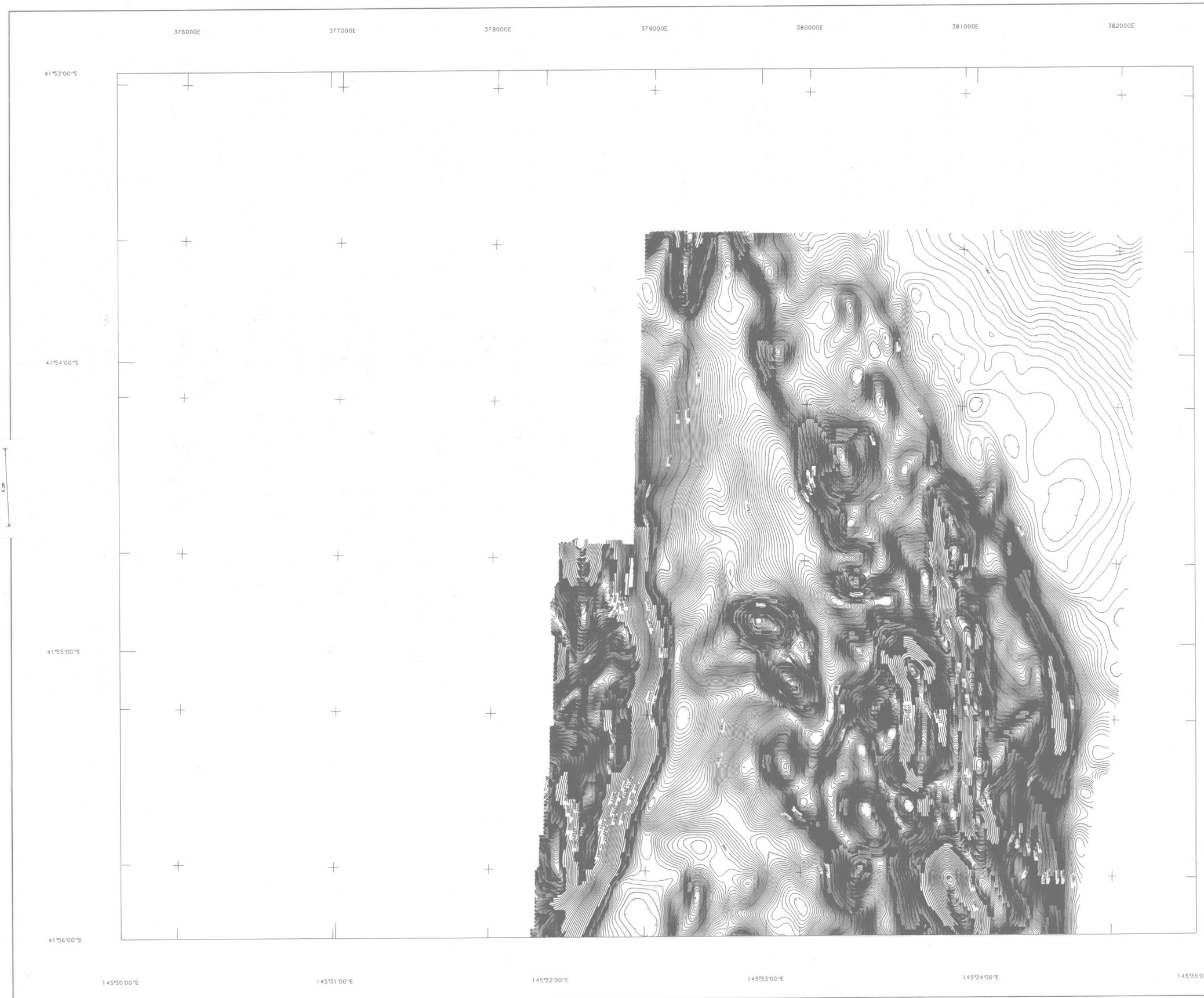
510800N

510700N

510600N

510500N

510400N



**AIRBORNE SURVEY SPECIFICATIONS**

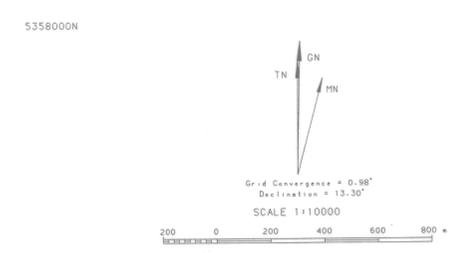
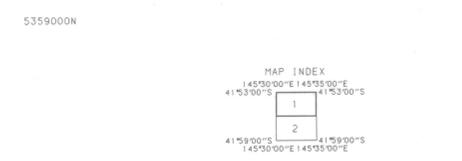
AIRCRAFT :	Squirrel Helicopter
MAGNETOMETER :	SCINTREX cesium vapour optical absorption mounted on a bird
5362000N RECORDING INTERVAL :	0.1 sec
NOMINAL TERRAIN CLEARANCE :	Sensor in towed bird at 80 m
SPECTROMETER :	Nuclear Data 256 channel ADC
	Pulse rate 16.8 1/sec
TOTAL COUNT WINDOW :	0.4 - 3.00 MeV
POTASSIUM WINDOW :	1.35 - 1.57 MeV
URANIUM WINDOW :	1.63 - 1.89 MeV
THORIUM WINDOW :	2.42 - 2.82 MeV
RECORDING INTERVAL :	1.0 sec
DATA RECORDING :	Geotrex MADACS acquisition system
NOMINAL TERRAIN CLEARANCE :	Digital to magnetic tape
NOMINAL LINE SPACING :	Detectors in aircraft at 110 m
FLIGHT PATH NAVIGATION :	Traverse line 100 m
	Traverse lines 1.0 km
FLIGHT PATH RECORD :	SERCEL NR103 GPS and SERCEL NDS100
	UHF DGPS navigation system
	real time from UHF DGPS system
	corrected for selected availability

**RESIDUAL MAGNETIC CONTOURS**

Grid notation refers to Australian Map Grid Zone 55

5361000N Magnetic :	Dip angle removed
IGRF :	1990 model, updated for secular variation to March 1993 reference date 2000 at 145°30'00"E
Total Field :	62085 nT
Inclination :	72 degrees S
Declination :	13.3 degrees E
Grid mesh size :	25 x 25 metres
Grid filter :	None
Contour interval :	2, 20 and 200 nT

5360000N



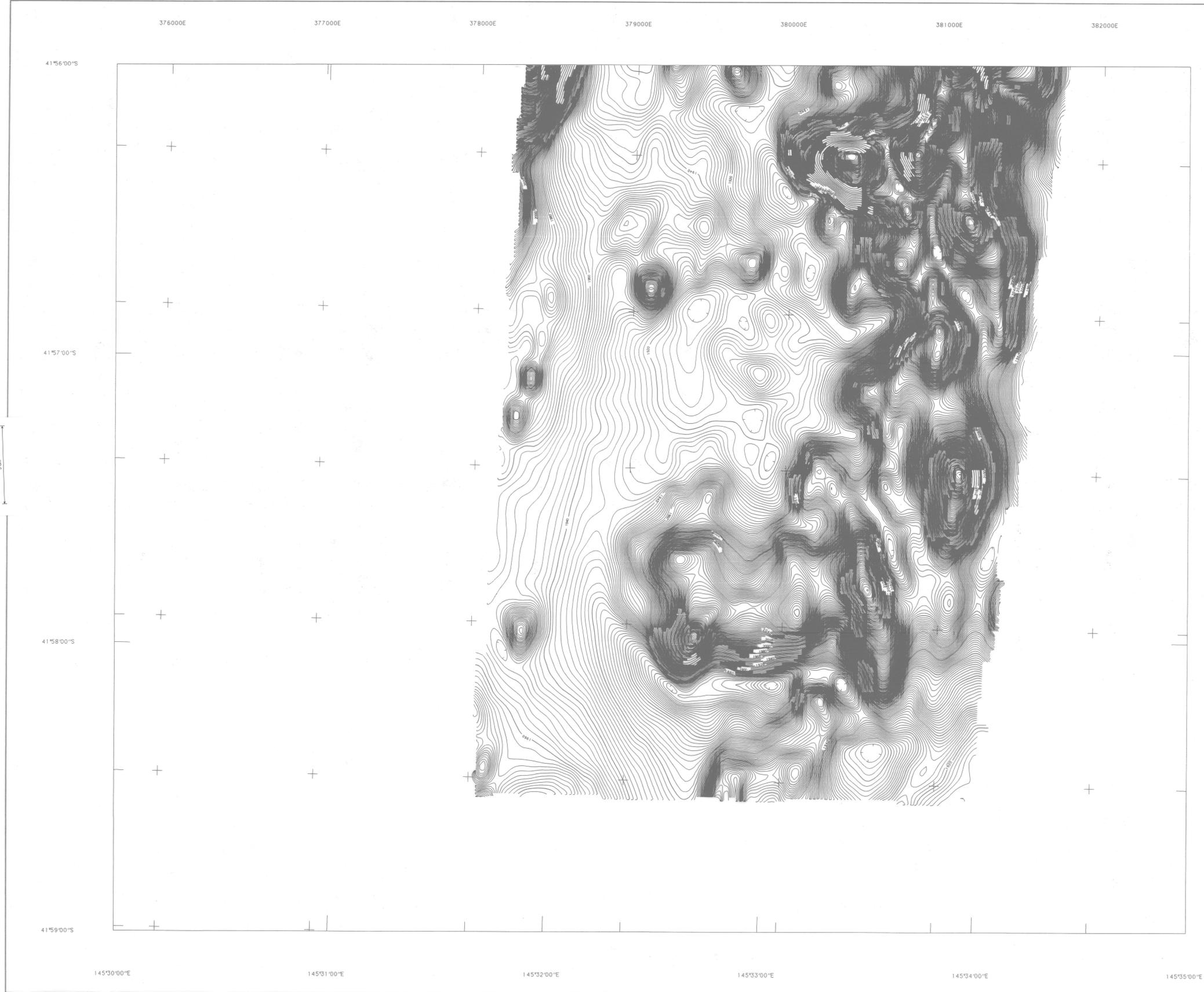
5357000N

JOB NO : 3-445  
 Surveyed by GEOTERREX PTY LTD - March 1993  
 Compiled by GEOTERREX PTY LTD, SYDNEY  
 Processed by GEOTERREX PTY LTD, SYDNEY

**ABERFOYLE RESOURCES LTD**

**ANTHONY BASIN**  
**RESIDUAL MAGNETIC CONTOURS**  
**BURNIE SK55-3**  
**SHEET 1 OF 2**

DRAWING NO: **ANT B7/1** | DATE: 12-MAY-1993

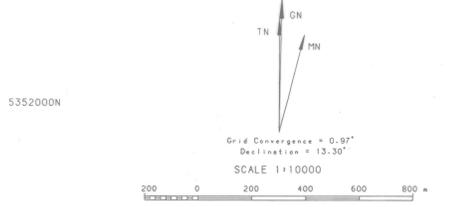
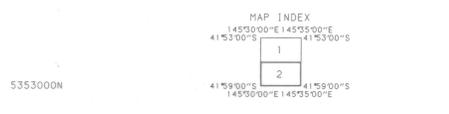


**AIRBORNE SURVEY SPECIFICATIONS**

AIRCRAFT : Squirrel Helicopter  
MAGNETOMETER : SCINTREX custom rugged optical observation mounted on a bird  
Sensitivity : 0.05 nT  
RECORDING INTERVAL : 0.1 sec  
NOMINAL TERRAIN CLEARANCE : Sensor in towed bird at 80 m  
SPECTROMETER : Nuclear Data 256 channel ADC  
Value : 15 B (lines)  
TOTAL COUNT WINDOW : 0.4 - 3.00 MeV  
POTASSIUM WINDOW : 1.35 - 1.55 MeV  
URANIUM WINDOW : 1.63 - 1.89 MeV  
THORIUM WINDOW : 2.42 - 2.82 MeV  
RECORDING INTERVAL : 1.0 sec  
DATA RECORDING : Geoterm RADACS acquisition system  
Digital to magnetic tape  
NOMINAL TERRAIN CLEARANCE : Distance in aircraft at 110 m  
NOMINAL LINE SPACING : Traverse lines 100 m  
Traverse lines 1.0 km  
FLIGHT PATH NAVIGATION : SERCEL NR103 GPS and SERCEL NDS100  
UMF GPS navigation system  
FLIGHT PATH RECORD : real time from UMF DGPS system  
corrected for selected availability

**RESIDUAL MAGNETIC CONTOURS**

Grid notation refers to Australian Map Grid Zone 55  
Magnetic : Diurnal removed  
1990 model updated for secular  
variation to March 1993 removed  
delta 2000 nT added  
62285 nT (at 415700S, 1453200E)  
Inclination : 72 degrees S  
Declination : 13.3 degrees E  
Grid mesh size : 25 x 25 metres  
Grid Filter : None  
Contour interval : 2, 20 and 200 nT

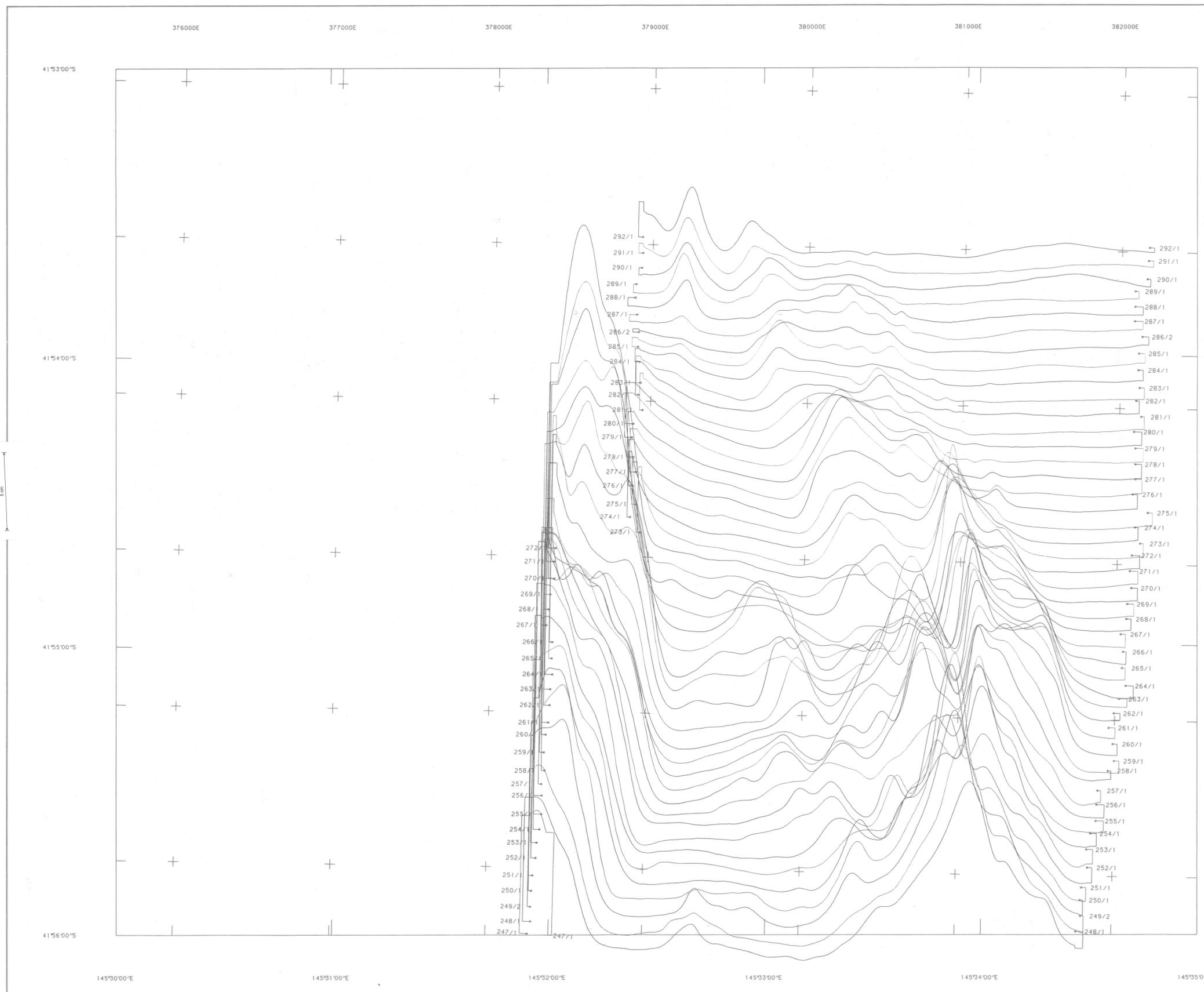


JOB NO : 3-445  
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Compiled by GEDTERREX PTY LTD, SYDNEY  
Processed by GEDTERREX PTY LTD, SYDNEY

**ABERFOYLE RESOURCES LTD**

**ANTHONY BASIN**  
**RESIDUAL MAGNETIC CONTOURS**  
**BURNIE SK55-3**  
**SHEET 2 OF 2**

DRAWING NO: ANT B7/2 DATE: 12-MAY-1993



**AIRBORNE SURVEY SPECIFICATIONS**

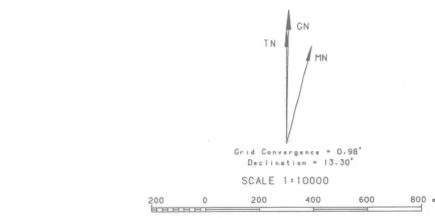
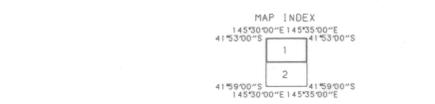
AIRCRAFT : Squirrel Helicopter  
MAGNETOMETER : SCINTREX caesium vapour optical absorption mounted on a bird  
Sensitivity : 0.05 nT  
0.1 sec

5362000 RECORDING INTERVAL :  
NOMINAL TERRAIN CLEARANCE : Sensor is towed bird at 80 m  
SPECTROMETER : Nuclear Data 256 channel ADC  
Volume : 16.8 litres  
TOTAL COUNT WINDOW : 0.4 - 3.00 MeV  
POTASSIUM WINDOW : 1.35 - 1.57 MeV  
URANIUM WINDOW : 1.83 - 1.89 MeV  
THORIUM WINDOW : 2.42 - 2.82 MeV  
RECORDING INTERVAL : 1.0 sec  
DATA RECORDING : Geotronics MADACS acquisition system  
Digital to magnetic tape

NOMINAL TERRAIN CLEARANCE : Detectors in aircraft at 110 m  
NOMINAL LINE SPACING : Increases from 100 m  
to 150 m  
FLIGHT PATH NAVIGATION : SERCEL MR103 GPS and SERCEL NDS100  
UHP DGPS navigation system  
FLIGHT PATH RECORD : real time from UHP DGPS system  
corrected for selected availability

**RESIDUAL MAGNETIC PROFILES**

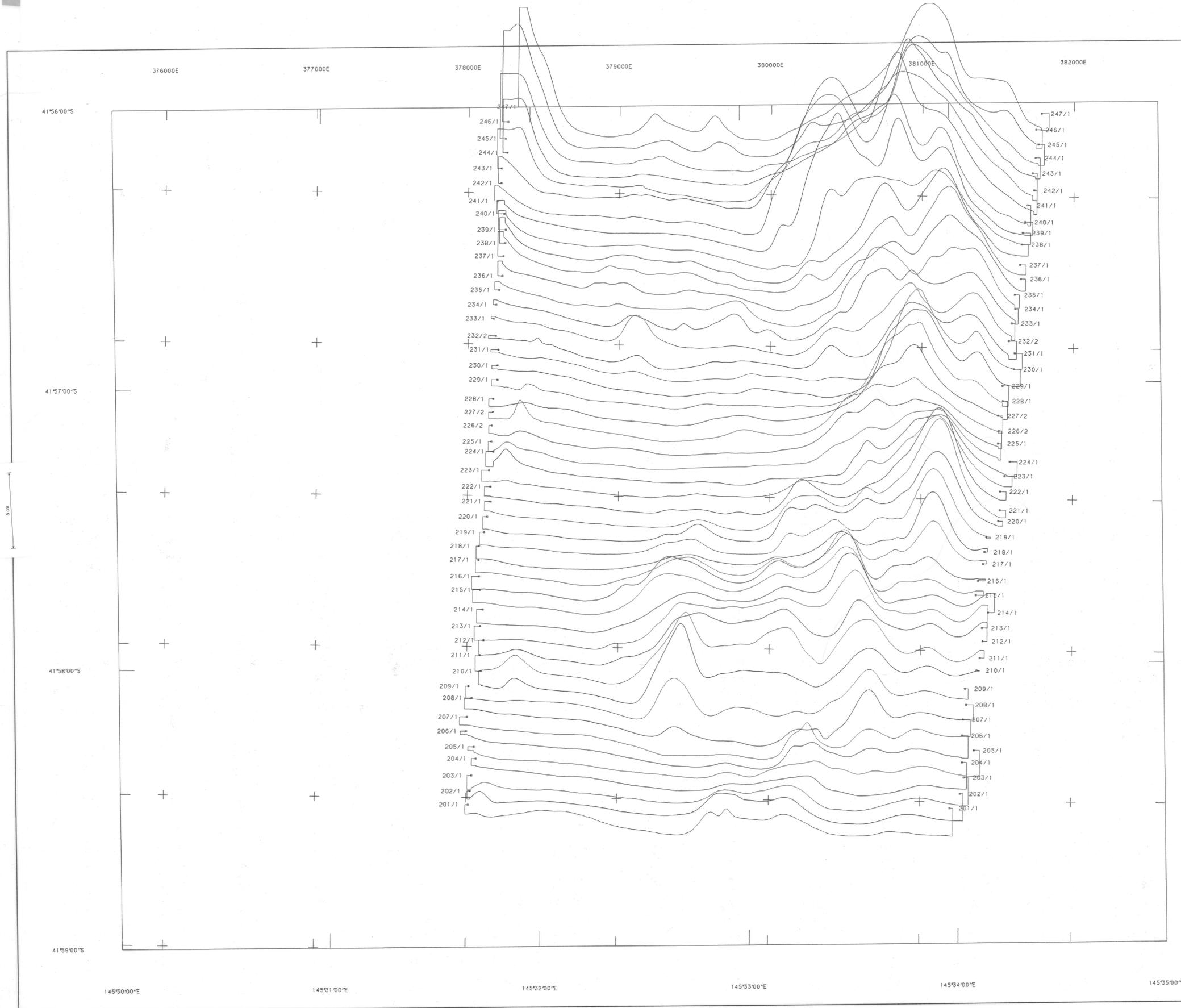
Grid notation refers to Australian Map Grid Zone 55  
Magnetics : Diurnal removed  
IGRF : 1990 model (updated for secular variation to March 1993) removed  
datum 2000 m added  
5361000 Total Field : 62285 nT (at 415700E, 1453200E)  
Inclination : 73 degrees S  
Declination : 13.3 degrees E  
Vertical Scale : 50 nT/m  
Base Value : 2000 nT



5357000

JOB NO : 3-445  
Surveyed by GEOTERREX PTY LTD, March 1993  
Compiled by GEOTERREX PTY LTD, SYDNEY  
Processed by GEOTERREX PTY LTD, SYDNEY

**ABERFOYLE RESOURCES LTD**  
**ANTHONY BASIN**  
**RESIDUAL MAGNETIC PROFILES**  
**BURNIE SK55-3**  
**SHEET 1 OF 2**  
DRAWING NO: ANT B10/1 DATE: 12-MAY-1993

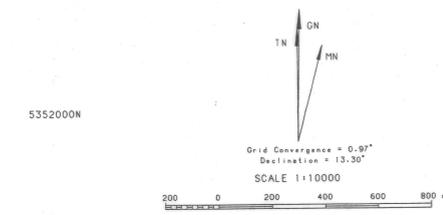
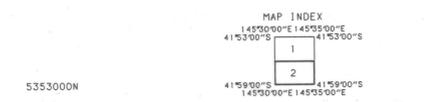


**AIRBORNE SURVEY SPECIFICATIONS**

AIRCRAFT : Squirrel Helicopter  
 MAGNETOMETER : SCINTREX cesium vapour optical absorption mounted on a bird  
 SENSITIVITY : 0.05 nT  
 RECORDING INTERVAL : 0.1 sec  
 NOMINAL TERRAIN CLEARANCE : Sensor in towed bird at 80 m  
 SPECTROMETER : Nuclear Data 256 channel ADC  
 VALUE : 10.0 ticks  
 TOTAL COUNT WINDOW : 0.4 sec - 3.00 MV  
 POTASSIUM WINDOW : 1.35 - 1.57 MV  
 URANIUM WINDOW : 1.65 - 1.89 MV  
 THORIUM WINDOW : 2.42 - 2.82 MV  
 RECORDING INTERVAL : 1.0 sec  
 DATA RECORDING : Geometrics MADACS acquisition system  
 DIGITAL TO MAGNETIC TAPE : Detectors in aircraft at 110 m  
 NOMINAL TERRAIN CLEARANCE : Traverse lines 100 m  
 NOMINAL LINE SPACING : Traverse lines 1.0 m  
 FLIGHT PATH NAVIGATION : SERCEL NR103 GPS and SERCEL NDS100 UHF DGPS navigation system  
 FLIGHT PATH RECORD : real time from UHF DGPS system corrected for selected availability

**RESIDUAL MAGNETIC PROFILES**

Grid notation refers to Australian Map Grid Zone 55  
 Magnetic : Discretised  
 IGRF : 1990 model updated for secular variation to March 1993 reserved.  
 Datum : 2000 m  
 Total Field : 42285 nT (at 415700E, 1453200E)  
 Inclination : 72 degrees S  
 Declination : 13.3 degrees E  
 Vertical Scale : 50 nT/cm  
 Base Value : 2000 nT



JOB NO : 3-445  
 Surveyed by GEDTERREX PTY LTD, March 1993  
 Compiled by GEDTERREX PTY LTD, STONEY  
 Processed by GEDTERREX PTY LTD, STONEY

**ABERFOYLE RESOURCES LTD**

ANTHONY BASIN  
 RESIDUAL MAGNETIC PROFILES  
 BURNIE SK55-3  
 SHEET 2 OF 2

DRAWING NO: ANT B10/2 DATE: 12-MAY-1993