

1:50,000 AIRBORNE GEOPHYSICAL SERIES

FINGAL SURVEY

TOTAL MAGNETIC INTENSITY CONTOURS  
MINERAL RESOURCES TASMANIA



**AIRBORNE SURVEY EQUIPMENT**

Aircraft  
Magnetometer  
Magnetometer Resolution  
Magnetometer Sample Interval  
Data Acquisition  
Data Recording  
Spectrometer  
Crystal Size  
Spectrometer Sample Interval  
Flight Path Record  
GPS Navigation System

Dell 206 - 3 VZ-FH  
Geomatrix G833 Helium Vapour  
0.01 nT  
0.20 seconds  
Geo Instruments Model 2000  
1.44 Mb floppy disks  
Exploration G820  
MAG downward array  
1.0 Seconds (approx 32 metres)  
VHS Colour Video System  
Novatel GPS Receiver

**AIRBORNE SURVEY SPECIFICATIONS**

Flight Line Direction  
Flight Line Separation  
The Line Direction  
The Line Separation  
Terrain Clearance

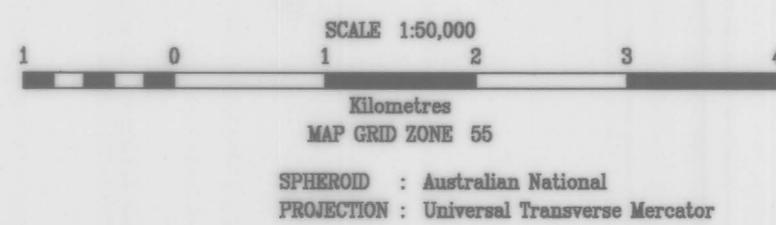
090 - 270 degrees  
200 metres  
000 - 180 degrees  
400 metres  
60 metres (MTC)

**TOTAL MAGNETIC INTENSITY CONTOURS**

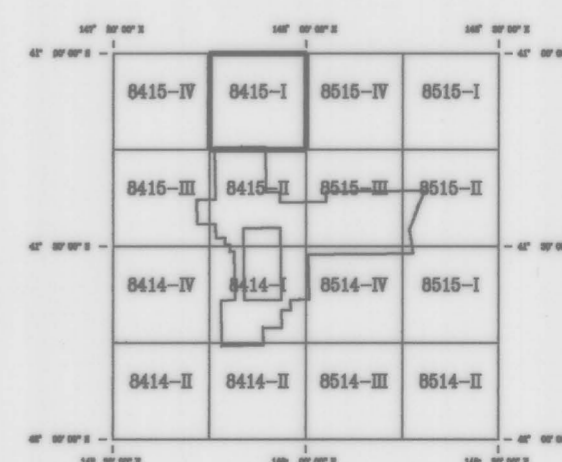
Diurnal variations removed  
IGRF(1960) updated to 1983.8 removed  
Average survey base station value and a constant of 5000 nT added to datum  
Grid mesh 50 x 50 metres  
Contour Interval 2, 10, 50, 250, 1000 nT

**Fingal Aeromagnetic Survey**  
Tasmania Development and Resources  
Minerals Resources Tasmania  
Surveyed and compiled Geo Instruments Pty. Ltd  
Processed by Kevron Geophysics Pty. Ltd.  
October - November 1993

Mineral Resources Tasmania Reserved  
Project Supervision by Mineral Resources Tasmania



**1:50,000 SHEET LOCATION**



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