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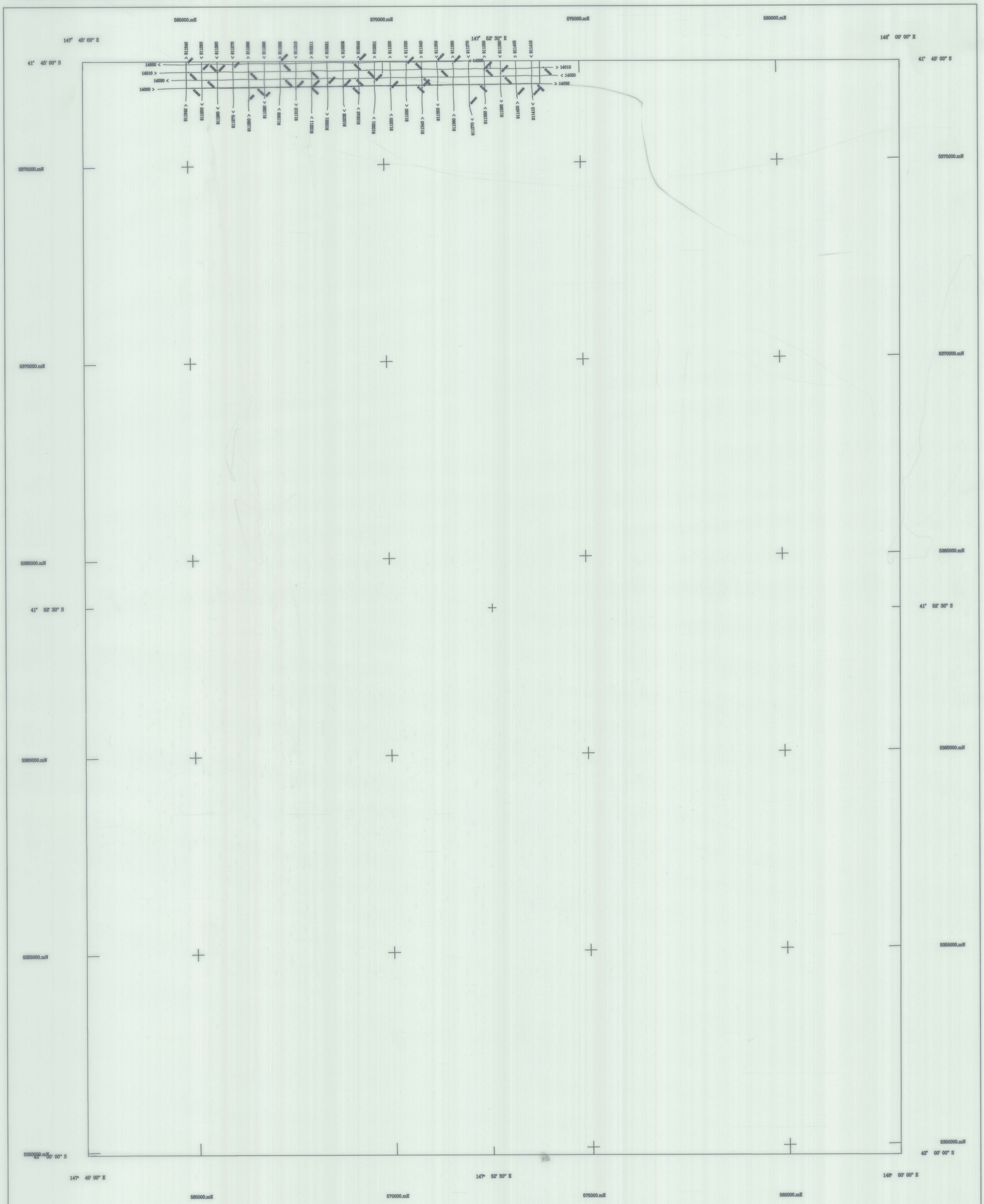
5 cm

1:50,000 AIRBORNE GEOPHYSICAL SERIES

FINGAL SURVEY

FLIGHT PATH
MINERAL RESOURCES TASMANIA



AIRBORNE SURVEY EQUIPMENT

Aircraft	Bell 206 – 3 VH–FBH
Magnetometer	Geometrics G833 Helium Vapour
Magnetometer Resolution	0.01 nT
Magnetometer Sample Interval	0.20 seconds
Data Acquisition	Geo Instruments Model 2000
Data Recording	1.44 Mb floppy disks
Spectrometer	Exploranium GR820
Crystal Size	16.8lt downward array
Spectrometer Sample Interval	1.0 Seconds (approx 35 metres)
Flight Path Record	VHS Colour Video System
GPS Navigation System	Novatel GPS Receiver

AIRBORNE SURVEY SPECIFICATIONS

Flight Line Direction	090 – 270 degrees
Flight Line Separation	200 metres
Tie Line Direction	000 – 180 degrees
Tie Line Separation	400 metres
Terrain Clearance	60 metres (MTC)

FLIGHT PATH PROCESSING

Flight path calculated from differentially corrected GPS Data using an Novatel GPS Reciever

GPS navigation data differentially corrected in real time.

GPS Base Station Base at S 41 31' 59.243" E 148 11" 41.422"

Every 500 th fiducial annotated.

Grid notation refers to Australian Map Grid Zone 55

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

SCALE 1:50,000

1 0 1 2 3 4

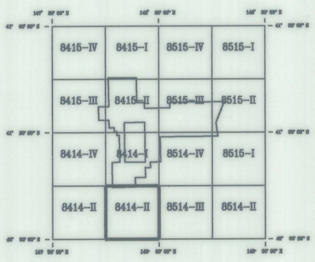
Kilometres

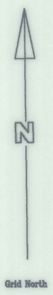
MAP GRID ZONE 55

SPHEROID : Australian National

PROJECTION : Universal Transverse Mercator

1:50,000 SHEET LOCATION





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