

5 cm

570000E 575000E 580000E 585000E 590000E

40°40'00"S
40°45'00"S
40°50'00"S
40°55'00"S
41°00'00"S
41°05'00"S



AIRBORNE SURVEY SPECIFICATIONS

MAGNETOMETER * Cesium Vapour optical absorption
Sensitivity * 0.001 nT

RECORDING INTERVAL * 0.1 sec (approx) / m sampling
at mean ground speed of 250 km/hour

SPECTROMETER * Nuclear Data 206 channel ADC
Volume * 3.35 G. litres

TOTAL COUNT WINDOW * 0.4 - 3.00 MeV

POTASSIUM WINDOW * 1.35 - 1.57 MeV

URANIUM WINDOW * 1.85 - 1.89 MeV

THORIUM WINDOW * 2.42 - 2.82 MeV

RECORDING INTERVAL * 1.0 sec (approx) / m sampling
at mean ground speed of 250 km/hour

DATA RECORDING * Geometric MIMICS acquisition system
Digital to magnetic tape

NOMINAL TERRAIN CLEARANCE * 80 m

NOMINAL LINE SPACING * Traverse lines 400 m
Grid lines 400 m

FLIGHT PATH NAVIGATION * SERCEL NDS100 Real time UHF Differential
GPS system with SINGER KEARFOTT AN/ASN 128
Doppler system with SPERRY CT2 compass and
VSI4 vertical gyro

FLIGHT PATH RECORD * XY coordinates computed from MGS84 lat/long
coordinates recorded by SERCEL NDS100 Real
time UHF Differential GPS system

TOTAL COUNT CONTOURS

Grid notation refers to Australian Map Grid Zone 55

Radiometrics * Cosmic and aircraft background
corrected

Live time corrected
Temperature corrected

Conversion constants
Alpha = 0.419
Beta = 0.385
Gamma = 0.693

Height attenuated to 80 metres
mean terrain clearance

Isotop Count * 0.00617/metre
Potassium Count * 0.00758/metre
Uranium Count * 0.00555/metre
Thorium Count * 0.00559/metre
Alpha * 0.00065/metre

Grid mesh size * 50 x 50 metres

Contour interval * 50, 250 and 1000 cps

5495000N

5490000N

5485000N

5480000N

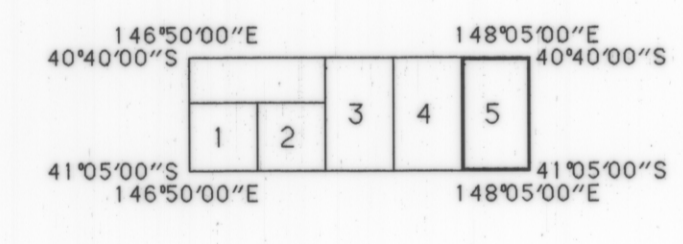
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5470000N

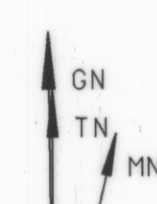
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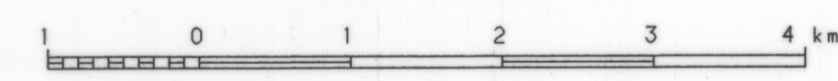


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Grid Convergence = -0.63'
Declination = 13.50'

SCALE 1:50000



JOB NO * 1-451
Surveyed by GEOTERREX PTY LTD * November 1993
Compiled by GEOTERREX PTY LTD, SYDNEY
Processed by GEOTERREX PTY LTD, SYDNEY

MINERAL RESOURCES TASMANIA
WEYMOUTH-TOMAHAWK EW LINES
TOTAL COUNT CONTOURS
LAUNCESTON SK55-4
SHEET 5 OF 5

CREATED * MP DRAWING NO *
CHECKED * MS DATE * 28-JAN-1994

147°50'00"E 147°55'00"E 148°00'00"E 148°05'00"E