
 * OVERSIZE *
 * VERTIPLAN *
 * No. 2 *

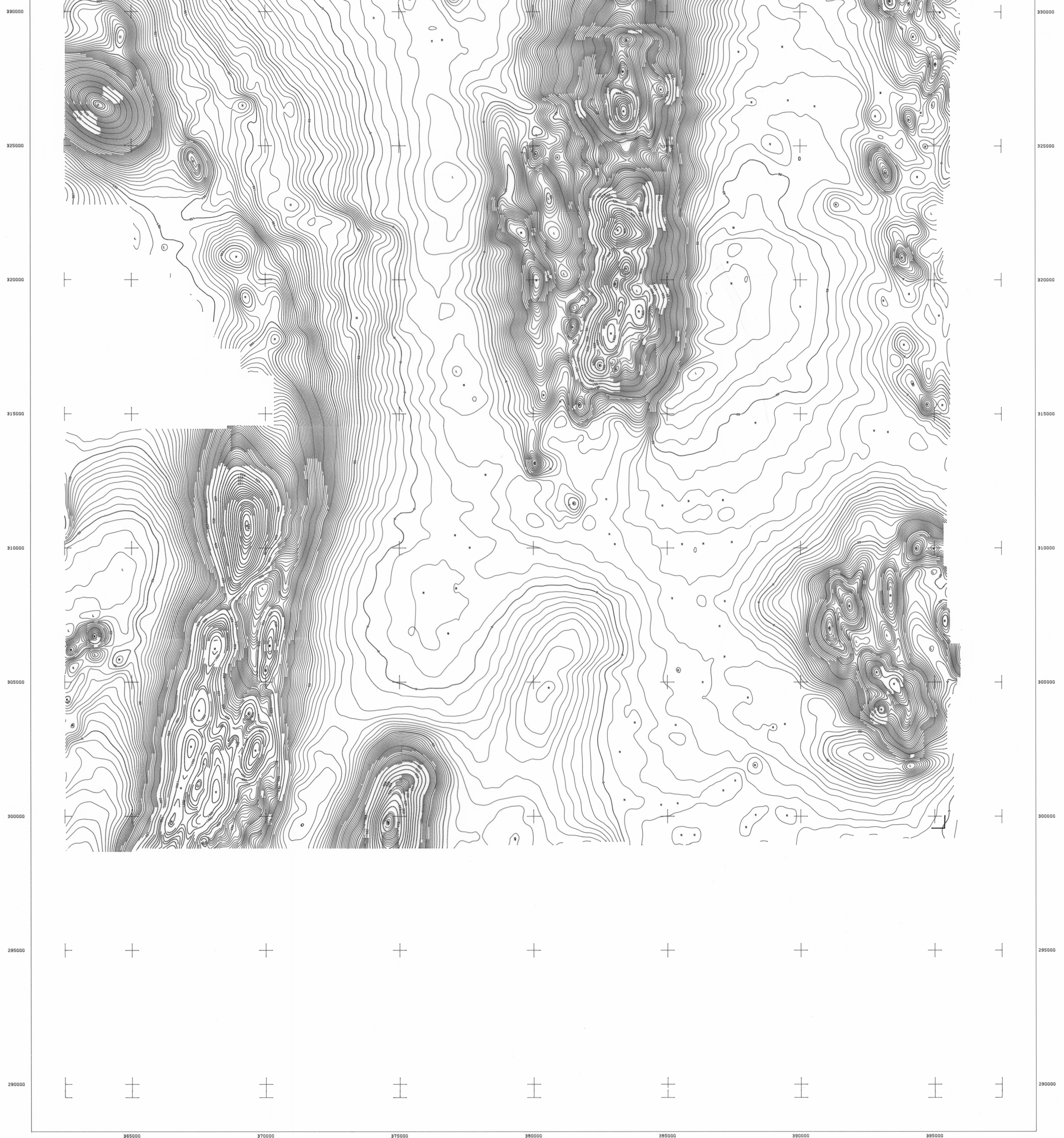
4911A

SHEET 7

NOT FOR
 MODIFICATION
 75

5 cm

365000 370000 375000 380000 385000 390000 395000



Airborne Geophysical Survey and Compilation by



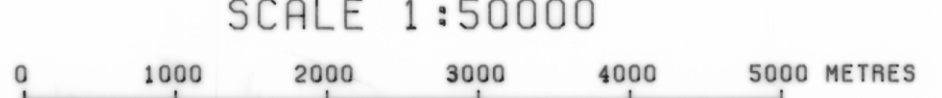
for

DEPARTMENT OF MINES TASMANIA

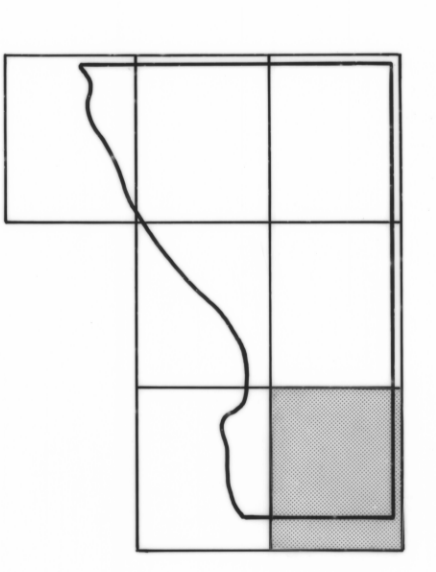
WEST COAST AREA TASMANIA

CONTOURS OF RESIDUAL TOTAL MAGNETIC INTENSITY

SCALE 1:50000



SURVEY LOCATION



SHEET INDEX

The data presented is the residual magnetic intensity, after subtracting the International Geomagnetic Reference Field. The data was corrected for diurnal drift using a base station monitor at QUEENSTOWN Airfield. Latitude 42,077 S Longitude 145,520 E Altitude 239 Metres. The sensor height was 3 metres. The adopted value for this location was 62864 nT. Final detailed leveling of the data was performed using tie-line crossover analysis. A simple 3 point filter was applied to the data, which was then gridded and contoured using a 125m by 125m mesh cell.

EQUIPMENT SPECIFICATIONS
 Caspina B185E Aircraft
 SONOTEX LOGS SYSTEM
 0.1 nT MAGNETOMETER
 256 CHANNEL SPECTROMETER
 24 Line NaI (Tl) DETECTOR
 KING RANGID RADAR ALTIMETER
 18mm Ground Tracking Camera
 Industry Standard 8 track
 32 RPM Repeater Tape
 8 Channel Analogue Recorder
 3 Channel Analogue Recorder
 for Magnetometer

The nominal flight line separation was 500 metres, and the nominal tie-line bearing was 0 degrees. The observed mean sample interval in the flight direction was 0 metres, achieved with a nominal aircraft speed of 100 knots, and a reading interval of 0.5 seconds. The mean sensor height was 135 metres, using a towed bird configuration. The magnetometer accuracy is 1.0 nT, and the resolution 0.5 nT.

SURVEY BOUNDARY

CONTOUR INTERVAL 5 nTesla

PROJECT NUMBER 81544 SURVEYED MAY 1981