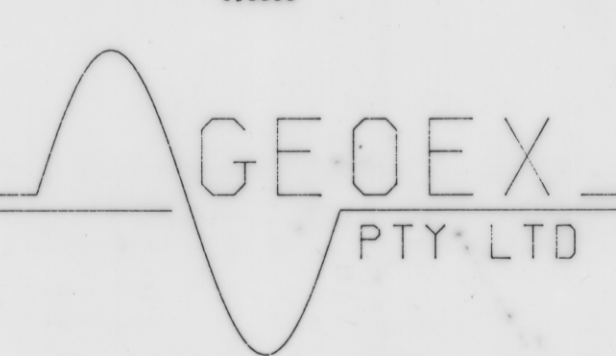


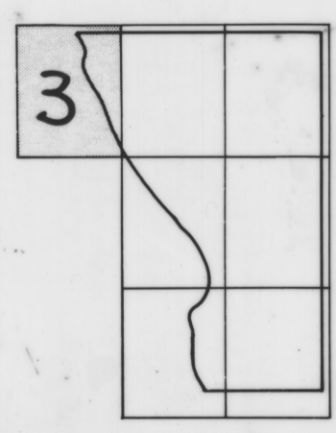
Airborne Geophysical Survey and Compilation by



for  
DEPARTMENT OF MINES TASMANIA  
WEST COAST AREA TASMANIA  
CONTOURS OF RESIDUAL TOTAL MAGNETIC INTENSITY



SURVEY LOCATION



SHEET INDEX

SCALE 1:63,360  
0 1000 2000 3000 4000 5000 METRES

The data presented is the residual magnetic intensity, after subtracting the International Geomagnetic Reference Field from the observed Total Magnetic Intensity. The data was corrected for diurnal drift using a base station monitor at QUEENSTOWN Airfield, Latitude 42.077 S Longitude 165.329 E Altitude 259 Metres. The sensor height was 3 metres. The accepted value for this location was 62684 nT. Final detailed levelling 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  
Cessna 441BSE Aircraft  
SONOTEC 16551 STS120  
0.1 nT MAGNETOMETER  
255 CHANNEL SPECTROMETER  
24 Litre Nal (Tl) DETECTOR  
KING KIRBY RADAR ALTIMETER  
16mm Ground Tracking Camera  
Industry Standard 9 track  
32 RPM Magnetic 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 sea level interval in the flight direction was 0 metres, achieved with a nominal aircraft speed of 100 knots, and a reading interval of 0.8 seconds. The mean sensor height was 135 metres, using a towed bird configuration. The magnetometer accuracy is 1.0 nT, and the resolution 0.1 nT.

SURVEY BOUNDARY

CONTOUR INTERVAL 5 nT  
PROJECT NUMBER 81544 SURVEYED MAY 1981