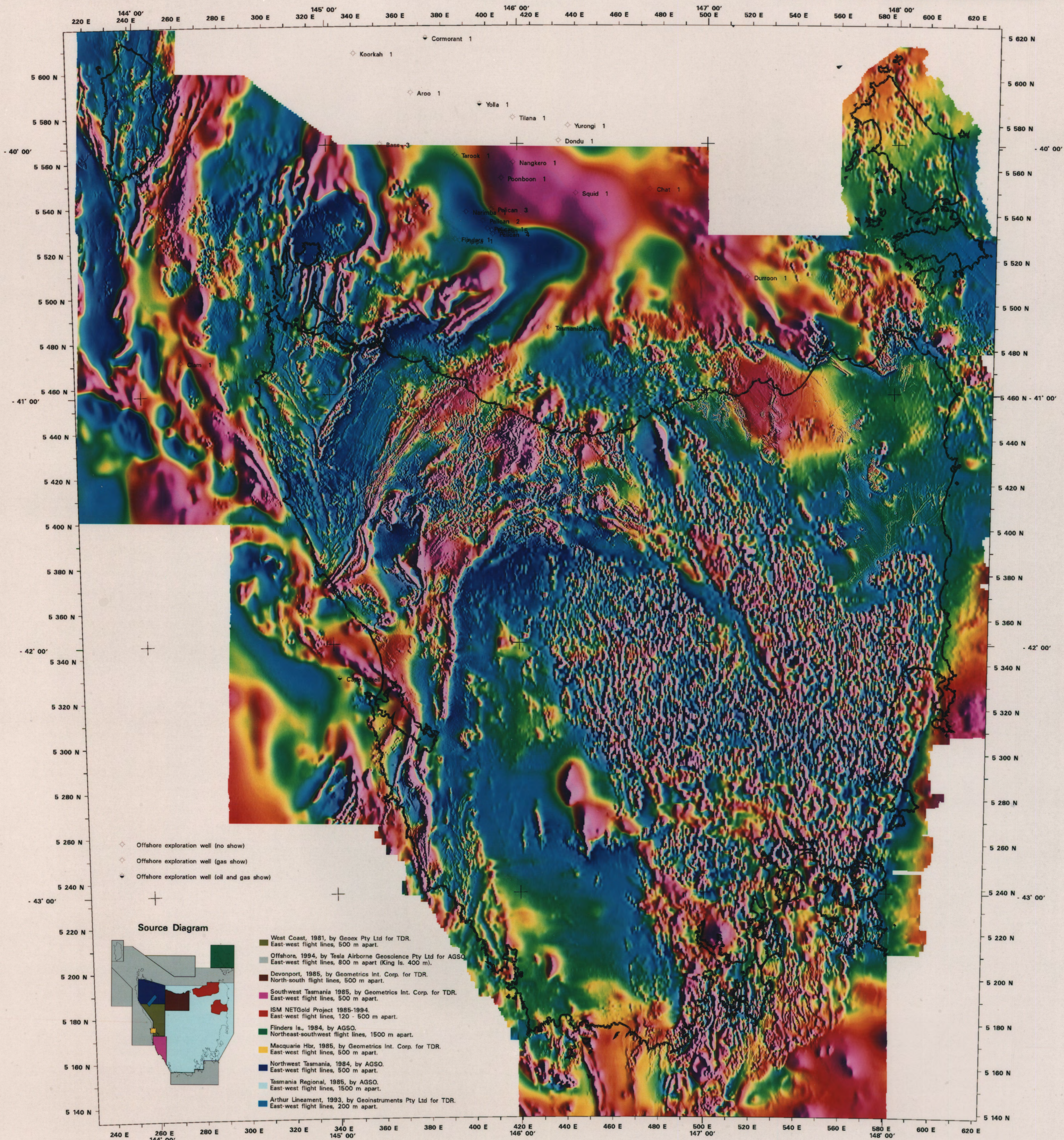


AUSTRALIA 1:1 000 000 AEROMAGNETIC ANOMALY
PIXEL MAP SERIES

TASMANIA

TOTAL MAGNETIC INTENSITY
with EAST-WEST GRADIENT ENHANCEMENT

Data Specifications

This map was compiled from various Total Magnetic Intensity airborne surveys, flown between 1981 and 1994, with line spacing varying between 120 m and 1500 m (see source diagram). The data from individual surveys are available from the Geophysical Mapping Section of AGSO or Tasmania Development and Resources. The composite grid data are available from the Geophysical Mapping Section of AGSO.

The digital point-located data for the individual surveys were gridded using minimum curvature. The final grid was compiled by minimising differences across overlapping sections of adjoining surveys. The final grid was generated with a cell size of 100 m.

Pixel colours were chosen from the natural palette (magenta high, blue low) using histogram equalization. Gradient enhancement was achieved by modulating colour intensity and saturation (Milligan *et al.*, 1992), using information derived from an east-west gradient applied to the initial composite grid.

AGSO recommends that this publication be referred to as:

Mackey, T.E., Milligan, P.R. & Richardson, R.G., 1995. Total magnetic intensity with east-west gradient enhancement colour pixel-image map of Tasmania, scale 1:1 000 000, Australian Geological Survey Organisation.

Grid compilation (Intrepid): T.E. Mackey & P.R. Milligan, AGSO.
Image processing and map annotation (ER Mapper and ARC/INFO): T.E. Mackey, AGSO.

Reference:
Milligan, P.R., Morse, M.P. & Rajagopalan, S., 1992. Pixel map preparation using the HSV colour model. *Exploration Geophysics*, 23, 219-224.

TOTAL MAGNETIC INTENSITY
with EAST-WEST GRADIENT ENHANCEMENT

25 0 25 50 75 100 km

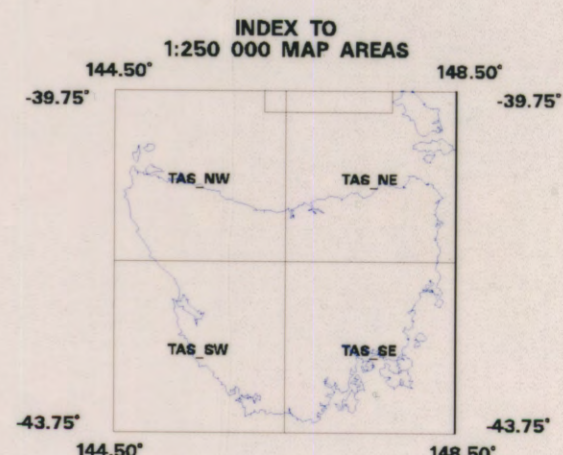
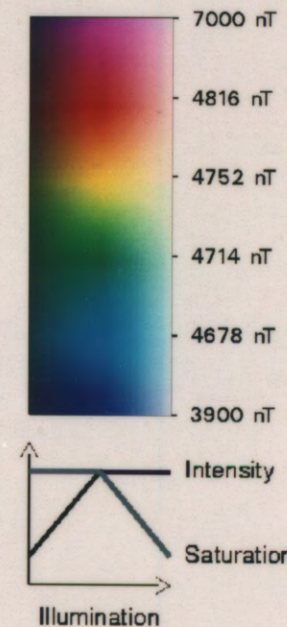
SCALE 1 : 1 000 000

Grid ticks indicate 10 000 metre intervals on the Universal Transverse
Mercator Grid, Zone 55, Australian National Spheroid

The airborne geophysical data used for this image were acquired by the Australian Geological Survey Organisation (AGSO), Department of Primary Industries and Energy and Tasmania Development and Resources (TDR), Industry Safety and Mines Division (ISM). The information is published by AGSO as part of the policy of the Commonwealth Government to assist in resource development and environmental management.

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TASMANIA
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Copies of this map may be obtained from the Sales Centre, Australian Geological Survey Organisation, GPO Box 378, Canberra City, ACT, 2601.

GEOPHYSICAL MAPPING
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