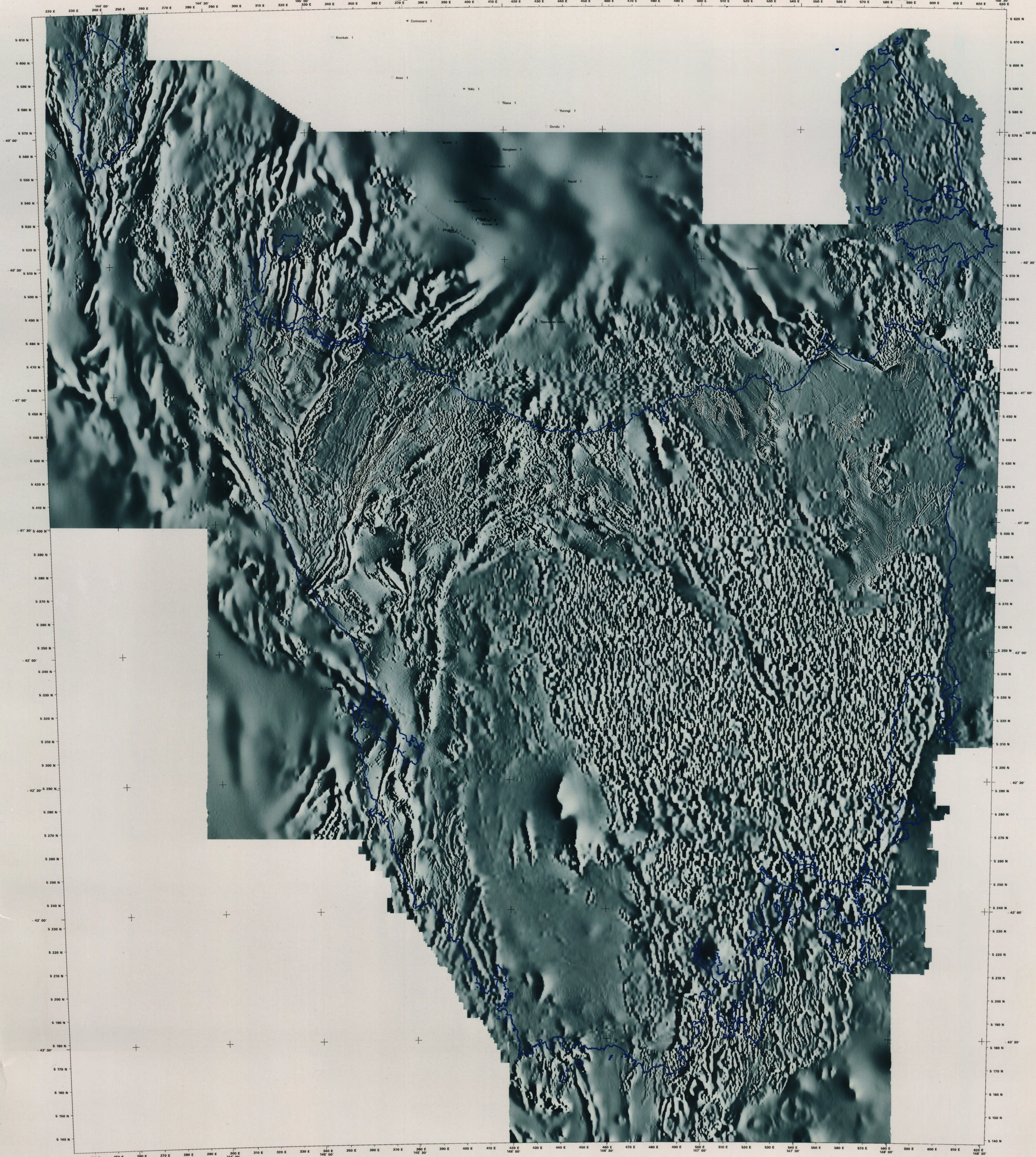


AUSTRALIA 1:500 000 AEROMAGNETIC ANOMALY PIXEL MAP SERIES

TASMANIA

TOTAL MAGNETIC INTENSITY with EAST-WEST GRADIENT



Data Specifications

This map was compiled from various Total Magnetic Intensity airborne surveys, flown between 1981 and 1984, 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.

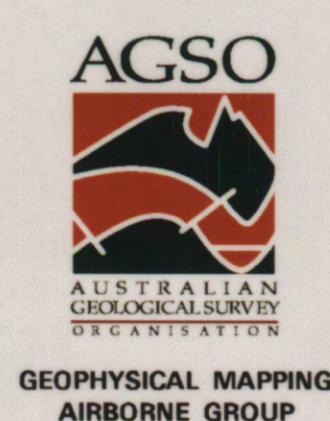
The digital point-located data for the individual surveys were gridded using minimum curvature. The final grid was compiled by minimising differences across overlapping sections of adjoining surveys. The final grid was generated with a cell size of 100 m.

Pixel shades were chosen from the greyscale palette (white high, black low) using histogram equalisation. Gradient enhancement was achieved using an east-west gradient kernel.

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 greyscale pixel-image map of Tasmania, scale 1:500 000, Australian Geological Survey Organisation.

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



TOTAL MAGNETIC INTENSITY with EAST-WEST GRADIENT

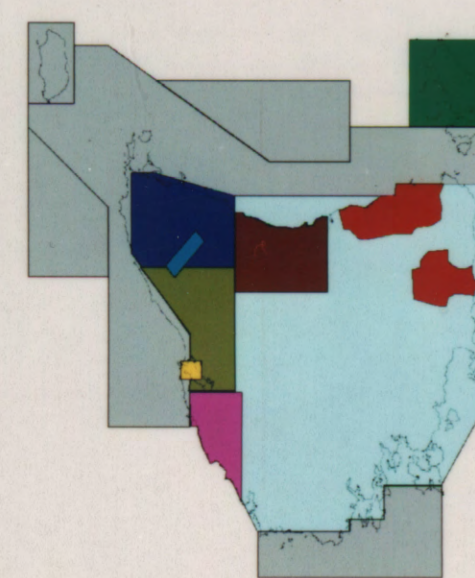
SCALE 1 : 500 000
Grid ticks indicate 10 000 metre intervals on the Universal Transverse Mercator Grid, Zone 55, Australian National Spheroid.

The airborne geophysical data used for this map were acquired by the Australian Geological Survey Organisation (AGSO), Department of Mineral Industries and Energy and Tasmania Development and Resources (TDR), Industry Safety and Mining 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.

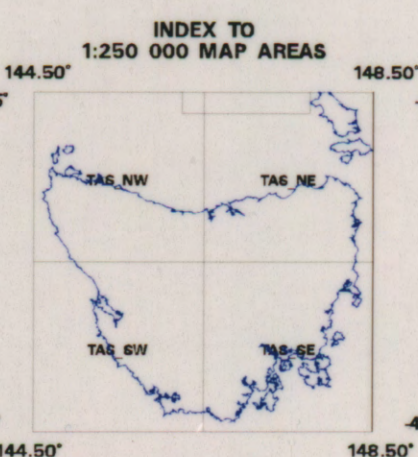
© Commonwealth of Australia 1995

This work is copyright. Apart from any use as permitted under the Copyright Act 1968, to part may be reproduced by any person without prior written permission from the Australian Geological Survey Organisation. Requests and inquiries concerning reproduction and rights should be addressed to the Senior Information Officer, Australian Geological Survey Organisation, GPO Box 376, Canberra City, ACT, 2601.

Source Diagram



- West Coast, 1981, by Geoscience Pty Ltd for TDR. East-west flight lines, 500 m apart.
- Offshore, 1984, by Tasmania Development and Resources Pty Ltd for AGSO. East-west flight lines, 600 m apart (King Is. 400 m).
- North-east, 1985, by Geoscience Int. Corp. for TDR. North-east flight lines, 500 m apart.
- South-west, 1985, by Geoscience Int. Corp. for TDR. East-west flight lines, 500 m apart.
- ISM NE/TDR, 1985-1986. East-west flight lines, 120 - 500 m apart.
- Flinders Is., 1984, by AGSO. North-east-south-west flight lines, 1500 m apart.
- Macquarie Pk., 1985, by Geoscience Int. Corp. for TDR. East-west flight lines, 500 m apart.
- North-west, 1984, by AGSO. East-west flight lines, 500 m apart.
- Tasmania Regional, 1985, by AGSO. East-west flight lines, 1500 m apart.
- Arthur Lineament, 1983, by Geoscience Pty Ltd for TDR. East-west flight lines, 200 m apart.
- Offshore exploration well (no show)
- Offshore exploration well (gas show)
- Offshore exploration well (oil and gas show)



TASMANIA
AGSO 22-1/SPECIAL/17

FIRST EDITION 1995

Copies of this map may be obtained from the Sales Centre, Australian Geological Survey Organisation, GPO Box 376, Canberra City, ACT, 2601.