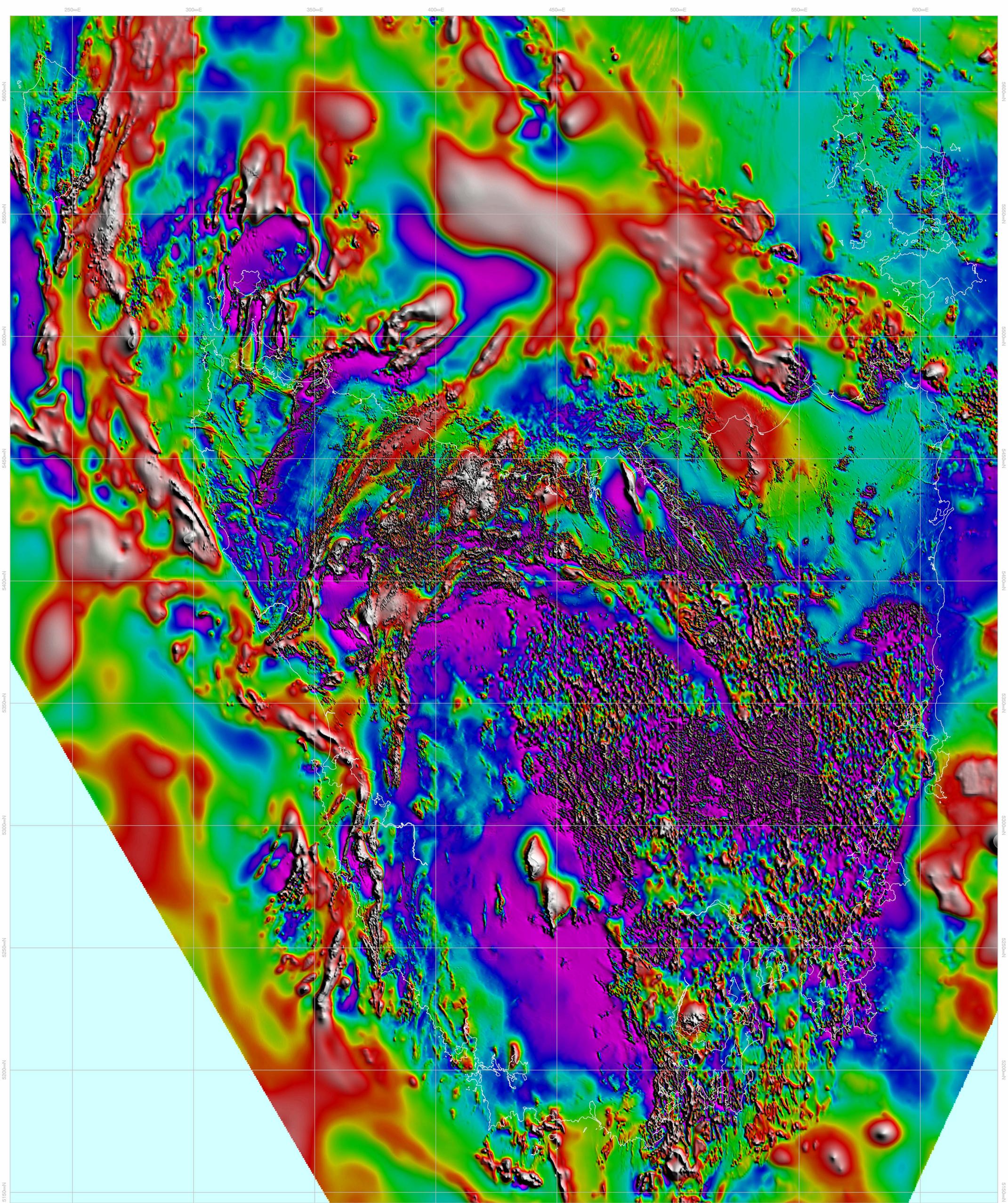


TASMANIA - TOTAL MAGNETIC INTENSITY



Tasmania
Explore the possibilities

Copies of this map may be obtained from
Mineral Resources Tasmania,
PO Box 56, Rosny Park, Tas, 7018.

Data Specifications

This map was compiled from various Total Magnetic Intensity airborne surveys, flown between 1977 and 2013, with line spacings varying between 50 m and 1500 m. The data from individual surveys are available from Mineral Resources Tasmania or Geoscience Australia. A composite digital grid of both onshore and offshore TMI data is available from the Australian Government's Geoscience Portal.

The digital point located data for the individual surveys were levelled where necessary and gridded using a bi-cubic spline technique. The final grid was compiled by minimising differences in overlapping sections of adjoining surveys. The final grid was generated with a mesh size of 100 m.

Pixel colours were chosen from a rainbow palette (white high, magenta low) using histogram equalisation. Gradient enhancement was achieved using a the ER Mapper sunangle glyph to simulate illumination from the northeast.

MINERAL RESOURCES TASMANIA
DEPARTMENT OF INFRASTRUCTURE, ENERGY and RESOURCES

TOTAL MAGNETIC INTENSITY
with NORTHEAST GRADIENT ENHANCEMENT

Scale 1:500 000

0 25 50
Kilometres

Grid ticks indicate 10 000 metre intervals on the Universal Transverse Mercator Grid, Zone 55, Map Grid of Australia

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Acknowledgements

The airborne geophysical data used in the production of this image were acquired by Mineral Resources Tasmania (MRT), Geoscience Australia (GA) and exploration companies. This compilation benefited from input provided by the scientific and technical staff of both MRT and GA.

Leveling and grid compilation : R.G. Richardson
Image production : R.G. Richardson & M.L. Duffett

Refer to this map as: Richardson, R.G. & Duffett, M.L. (comp.) Total Magnetic Intensity image of Tasmania with northeast gradient enhancement, scale 1:500 000, Mineral Resources Tasmania.

Australian Government
Geoscience Australia

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