



Australian Government
Geoscience Australia

RADIOMETRIC MAP OF AUSTRALIA

SCALE 1:15 000 000
0 250 500 750 1000 km
LAMBERT CONFORMAL CONIC PROJECTION
Central Meridian: 134°E Standard Parallels: 18°S, 36°S
Geocentric Datum of Australia

The ternary radiometric image shows the concentrations of the radioelements potassium (K), uranium (U) and thorium (Th) at the Earth's surface as measured using the airborne gamma-ray spectrometric method. The image is a false colour composite using the colours red, blue and green to represent potassium, uranium and thorium, respectively. These primary colours are mixed in the same proportions at each point on the map as the concentrations of the radioelements. Thus white areas have high concentrations of all the radioelements and dark areas have low concentrations. Areas high in K only appear red, and areas high in U and Th but low in K appear turquoise (a mixture of green and blue). So this representation of the data is useful for viewing the concentrations of all three radioelements in a single image.

We thank Fugro Airborne Surveys for allowing the inclusion of some of their survey data in Western Australia.

Compiled by the Continental Geophysics Project, Geoscience Australia. Data processing by R. Franklin, P.R. Milligan, B.R.S. Minty and P.J. Percival. Image enhancement and index maps by P.R. Milligan, P.J. Percival and L.M. Richardson. Cartography: S. Mezzomo.

It is recommended that this map be referred to as: Minty, B.R.S., Franklin, R., Milligan, P.R., Richardson, L.M. and Wilford, J., 2010., Radiometric Map of Australia (Second Edition), scale 1:15 000 000, Geoscience Australia, Canberra.

The composite K, U and Th radiometric grid data at 100 metre cell sizes are available for free download via the internet using Geoscience Portal to access the Geophysical Archive Data Delivery System (GADDS) at:
<http://www.geoscience.gov.au/gadds>

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Industry &
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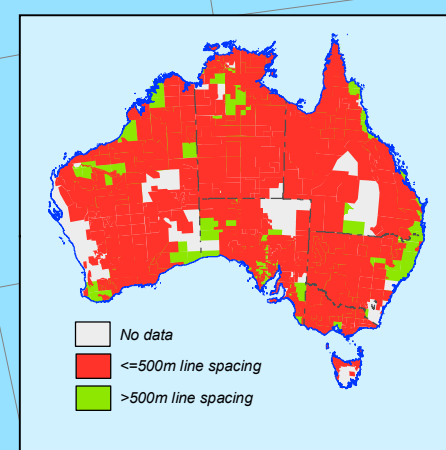
Copies of this map may be downloaded from the Geoscience Australia internet site at:

<http://www.ga.gov.au/resources/maps/mapsofaustralia.jsp>

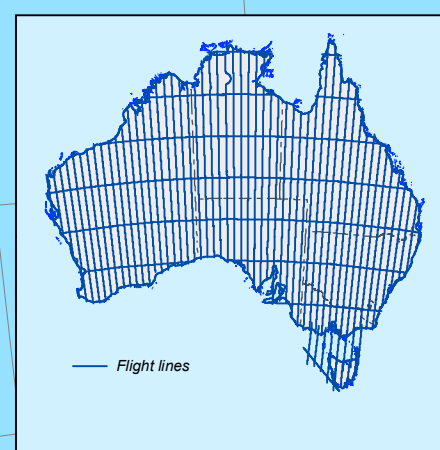
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Airborne gamma-ray spectrometric survey coverage



Completed flight lines at 14 December 2007

