



GEODATA TOPO 250K

Series 3 released

The recently released *Series 3* of Geoscience Australia's 1:250,000 scale vector data has so far proved popular with map producers and GIS professionals.

GEODATA TOPO 250K Series 3 is a vector GIS representation of the major topographic features appearing on 1:250 000 scale NATMAP topographic maps. *Series 3* data is no more than five years old for the majority of locations and compliments the popular NATMAP Raster products and data released in 2005.

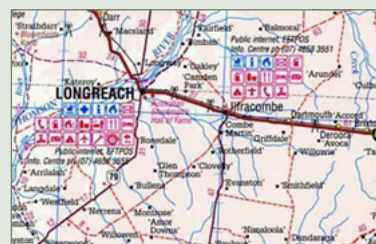
Significantly, map producers, emergency managers and the spatial industry now have access to low cost, high quality data that has been extensively updated since the release of *Series 2*. *GEODATA TOPO 250K Series 3* includes additional cartographic layers and symbology that allows production of high quality maps for minimal effort.

Series 3 data unlike its predecessor is provided as a seamless coverage of Australia arranged in ten themes – cartography, elevation, framework, habitation, hydrography, infrastructure, terrain, transport, utility and vegetation.

Customised 1:250 000 Scale (250K) *GEODATA* is also available where requirements are not met by these packaged products. The price will be determined after assessing individual client needs. Alternatively, requests for customised data may also be referred to a third party supplier.

Geoscience Australia is currently deploying *MapConnect*, an online mapping solution where users will be able to seamlessly extract and download data for selected areas (subject to download parameters), and in a number of different delivery formats.

GEODATA TOPO 250K Series 3 is available on DVD in Personal Geodatabase, ArcView Shapefile or MapInfo TAB file formats for only \$99 (including GST) per package. Alternatively, individual map tiles can be accessed from the [Free Downloads](#) link on the Geoscience Australia website (www.ga.gov.au).



GEODATA TOPO 250K Series 3 Specifications

Themes:

- Cartography • Elevation •
- Framework • Habitation •
- Hydrography • Infrastructure •
- Terrain • Transport • Utility •
- Vegetation.

More information

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Coverage	National (power lines not available in South Australia)
Currency	Data currency is generally less than five years.
Coordinates	Geographical.
Datum	Geocentric Datum of Australia (GDA94).
Format	Personal Geodatabase, ArcView Shapefile and MapInfo TAB.
Medium	Packaged DVD ROM (\$99 per package).
Previous Version	Replaces GEODATA TOPO 250K Series 2.
Release Date	26 June 2006.

Alternative satellite imagery for Australia

Geoscience Australia has successfully received a test downlink of satellite images from the China-Brazil Earth Resources Satellite (CBERS-2) at its Alice Springs ground station. CBERS-2 provides images with a spatial resolution of approximately 20 metres with repeat coverage every 26 days. This test downlink is part of the contingency planning Geoscience Australia has been undertaking with the local user community and international satellite operators to secure access to alternative sources of data in case of a continuity gap in Landsat data.

Geoscience Australia is also evaluating data from the SPOT (Système Pour l'Observation de la Terre) satellites and investigating the potential for downlinks of ResourceSat-1 (also known as Indian Remote Sensing Satellite P6). Geoscience

Australia's consultations aim to identify alternative sources of imagery for applications that require access to images spanning a period of time.

The Australian Centre for Remote Sensing (ACRES) has been acquiring images from the Landsat series of satellites since 1979. Landsat data have proved invaluable to government and industry for a range of applications including environmental monitoring, agriculture, mapping and emergency management. As the current Landsat satellites age, Australian users have become concerned about the continuing availability of reliable and cost effective satellite imagery.

This test downlink also demonstrates the flexibility provided by the multi-satellite capability of Geoscience Australia's receiving station in Alice Springs. The receiving station can easily be reconfigured to enable quick and easy access to new sources of satellite remote sensing data.

More information

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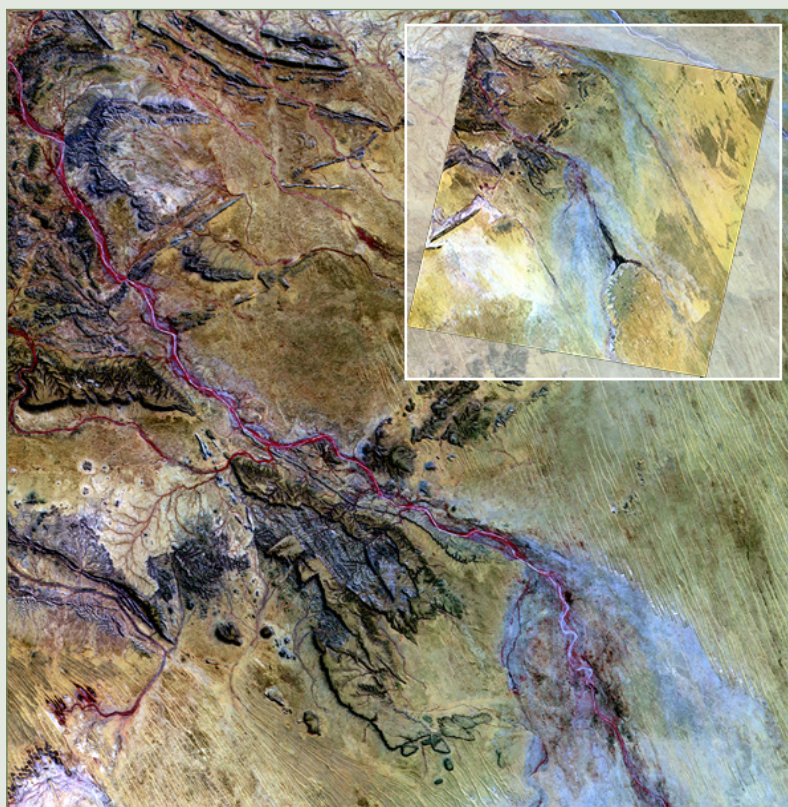


Figure 1. The first image from the China-Brazil Earth Resources Satellite (CBERS-2) acquired by Geoscience Australia on 7 April 2006 in cooperation with the China Center for Resource Satellite Data and Applications (CRESDA). The image area is located approximately 100 kilometres east of Alice Springs and the swath width is around 100 kilometres (Image centre: S 24:09:20 E 135:36:30).

MapConnect: online delivery of maps and spatial information

Geoscience Australia's National Mapping & Information Group is deploying the next generation of online mapping applications. 'MapConnect' enables users to select and download maps and spatial datasets from a standard web browser without the need for any additional software. Its map-based interface accesses the most recent available data using areas, themes and formats determined by the user thus enabling mainstream access to spatial data and maps by the wider community.

MapConnect will be useful for a wide range of applications including tourism, business, emergency management, education, agriculture, and public administration. It is a user-friendly way to directly access the most current data and maps. After locating an area of interest by entering its name and zooming in, users can then download a PDF version of a map covering that area for printing on a standard printer, as well as digital data in a variety of formats, to create a customised map.

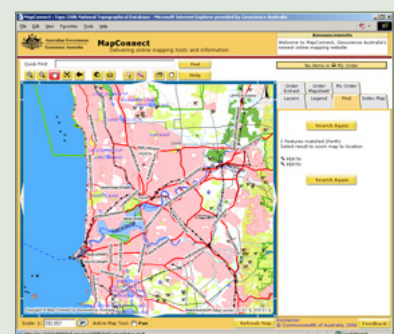
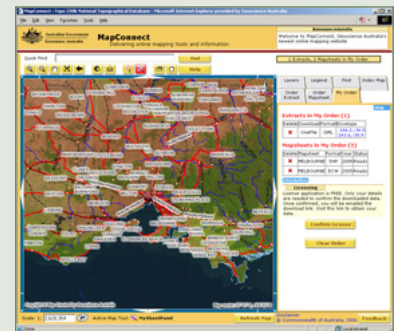
The available formats include:

- PDF maps – cartographic maps, including legends and scales, that can be used in the field by field crew, or incorporated into publications and reports. These maps are in a vector format that allows them to be printed at high resolution or enlarged without loss of quality.
- image formats – ideal for use with GPS navigation systems in vehicle mounted or handheld devices.
- GIS formats – current data with attributes and symbology (pGDB, ShapeFile, TAB & GML formats) for input into software packages which are useful for analysis and advanced map production. Data can be selected by theme or as a single file before being compressed for download.
- screen based images – can be simply printed from the map window for use by the general public.

All downloads are registered and licensed with the Office of Spatial Data Management (OSDM) before being downloaded from the Geoscience Australia website.

More information

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New geophysical datasets for Mount Isa, Paterson, East Arunta and Bowen-Surat regions

Datasets from seven new geophysical surveys which will be a valuable tool in assessing the mineral potential of their respective regions were released in August 2006. They included four new airborne magnetic and radiometric surveys in the Mount Isa and Bowen-Surat regions in Queensland and Paterson Province in Western Australia as well as new gravity surveys covering the East Arunta region in the Northern Territory and Queensland's Mt Isa and Bowen-Surat region.

The data were acquired in surveys conducted in 2005 and 2006 which were managed by Geoscience Australia on behalf of the Geological Surveys of Queensland, Western Australia and the Northern Territory.

The datasets have been incorporated into the national geophysical databases. The point-located and gridded data for the seven surveys can be obtained free online using the GADDS download facility.

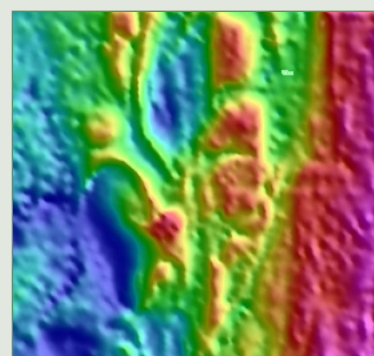


Figure 1. Mount Isa Area A gravity

Table 1. Details of the gravity surveys.

Survey name	Survey Type	Date of Acquisition	1:250 000 Map Sheets	Station spacing/ orientation	Stations	Contractor
East Arunta (NT)	Gravity	June – July 2006	Huckitta, Tobermory, Illogwa Creek, Hay River	2.0 x 2.0 km east – west	5 500	Daishsat Geodetic Surveyors
Mount Isa Area A (Qld)	Gravity	April – June 2006	Cloncurry, Mount Isa	2.0 x 2.0 km east – west	6 700	Daishsat Geodetic Surveyors
Bowen – Surat (Qld)	Gravity	Nov 2005 – April 2006	Taroom, Roma, Surat, Baralaba, Springsure, Eddystone, Mitchell, Homeboin, Dirranbandi, St George	4.0 x 4.0 km	5 200	Daishsat Geodetic Surveyors

Table 2. Details of the airborne surveys.

Survey	Survey Type	Date	1:250 000 Map Sheets	Line Spacing/ terrain clearance /orientation	Line km	Contractor
Bowen–Surat South (Qld)	Magnetic, Radiometric	January – April 2006	Homeboin, Surat, Dalby, Ipswich, St George and Goondiwindi	400 m, 80 m, east – west	154 000	Fugro Airborne Surveys
Mount Isa West (Qld)	Magnetic, Radiometric	February – April 2006	Mount Isa (western 20%), Urandangi (western 20%), Glenormiston (two-thirds), Mount Whelan (northern 20%)	400 m, 80 m, east – west and north – south (north of -21.56°)	63 000	Fugro Airborne Surveys
Paterson Central	Magnetic, Radiometric	June 2005 – April 2006	Nullagine, Paterson Range, Rudall	400 m, 60 m, east – west	94 300	UTS Geophysics
Paterson South - East	Magnetic, Radiometric	April – June 2006	Rudall, Tabletop	400 m, 60 m, east – west	28 400	UTS Geophysics



More information

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Related websites/articles

AusGeo News 81

SMART exploration gets Geoscience Australia support

[link](#)  www.ga.gov.au

2006 East Arunta Gravity Survey

[link](#)  kakadu.nt.gov.au

Geological Survey of Western Australia

[link](#)  www.doir.wa.gov.au

EVENTS 2006

Mining 2006

1–3 November

Hilton Brisbane

Mining 2005, PO Box 1153, Subiaco WA 6904

phone +61 8 9388 2222

fax +61 8 9381 9222

e-mail info@verticalevents.com.au

www.verticalevents.com.au

1

AAPG International Conference and Exhibition

5–8 November

American Association of Petroleum Geologists

Perth Convention and Exhibition Centre

AAPG Convention Department, PO Box 979, Tulsa Oklahoma

74101-0979 USA

phone +1 918 560 2617

fax +1 918 560 2684

e-mail convene2@aapg.org

www.aapg.org

2

13 ARSPC

20–24 November

13th Australasian Remote Sensing and Photogrammetry Conference

National Convention Centre, Canberra

ICMS Pty Ltd, GPO Box 2200, Canberra ACT 2601

phone +61 2 6257 3299

fax +61 2 6257 3256

e-mail arspc@icms.com.au

www.arspc.org/

3

AEES2006

24–26 November

Australian Earthquake Engineering Society

Geoscience Australia, Canberra

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e-mail mccue.kevin@gmail.com

www.aees.org.au

4



EVENTS 2006 (CONT'D)

Computational Modelling and Decision Support in the Solid Earth and Environmental Community

30 November – 1 December

CSIRO Discovery Centre, Canberra
CSIRO Exploration & Mining
phone +61 8 6436 8625
fax +61 8 6436 8555
e-mail petra.bowling@csiro.au
www.seegrid.csiro.au

5

NAPE Expo 2007 –North American Prospects Exhibition

1–2 February

American Association of Professional Landmen
AAPL, 4100 Fossil Creek Boulevard, Fort Worth, Texas 76137 USA
phone +1 817 847 7700
fax +1 817 847 7703
e-mail nape@landman.org
www.napeonline.com

6

PDAC International Convention & Trade Show

4–7 March

Prospectors and Developers Association of Canada
Metro Toronto Convention Centre, PDAC, 34 King Street East Suite 900, Toronto, Ontario M5C 2K1
phone +1 416 362 1969
fax +1 416 362 0101
e-mail info@pdac.ca
www.pdac.ca

7

APPEA Conference and Exhibition

15–18 April

Australian Petroleum Production and Exploration Association
Adelaide Convention Centre
Vicki O’Gorman, APPEA Limited, GPO Box 2201, Canberra ACT 2601
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8