



**Australian Government**  
**Geoscience Australia**

# SURFACE GEOLOGY 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

This map was created from the new Surface Geology of Australia digital dataset, which was compiled at 1:1 million scale. The Surface Geology data was compiled by standardising and matching the edges of over 400 geological maps which have been published by Australian Government, State and Northern Territory agencies over the past 40 years.

The seamless digital representation of Australia's geology over the whole continent and Tasmania at 1:1 million scale provides detailed information on the distribution and type of outcropping bedrock and regolith, such as sand plains and dunes.

This new national dataset contains details of more than 5000 geological units and has a spatial accuracy of between 200 metres and one kilometre, depending on the quality of the original source data. Most of the source geological maps were published at 1:250,000 scale. The new dataset seamlessly resolves differences in geological mapping across all jurisdictional boundaries which existed due to differences in data acquisition methods over time and the development of new geological understanding.

The dataset is the result of a cooperative program involving a team of geologists and cartographers at Geoscience Australia working in partnership with geologists from the State and Northern Territory Geological Surveys. It provides a valuable baseline dataset for regional and national evaluations of resource potential as well as for environmental management and land use decision making.

The data may be viewed using Geoscience Australia's MapConnect online mapping tool at: <http://www.ga.gov.au/mapconnect/>. Segments of the national dataset may be downloaded free from MapConnect. The entire national dataset may be ordered on DVD from the Geoscience Australia Sales Centre ([sales@ga.gov.au](mailto:sales@ga.gov.au)).

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**Trade & Investment,  
Regional Infrastructure  
& Services**



**Government of South Australia**  
Department for Manufacturing,  
Innovation, Trade, Resources and Energy



**Toward  
Queensland's  
Future**



**Northern Territory  
Government**



**State Government  
Victoria**



**Mineral Resources Tasmania**  
Department of Infrastructure, Energy and Resources



**Government of Western Australia**  
Department of Mines and Petroleum

Copies of this map may be downloaded from the Geoscience Australia internet site at:  
<http://www.ga.gov.au/cedda/maps/1084>,  
or by contacting: Sales Centre, Geoscience Australia  
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