

**Title**

3D Geophysical and Geological Map of the Georgina-Arunta region, NT  
GEOCAT #75179

**Theme**

3D map

**Software**

Created with Gocad 2009 (2.6.0)

**File format**

File format: Gocad Objects (points, polylines, surfaces, voxets)

**Geographical Extent**

Left: 130° 54'

Bottom: -27° 12'

Right: 136° 06'

Top: -20° 54'

**Projected Map Extent – Metres**

(easting, northing)

SW corner: 100000, 7000000

NE corner: 600000, 7670000

**Depth**

Upper limit: 4000 m

Lower limit: -60000 m

**Projection**

UTM MGA Zone 53 (central meridian of 135°)

Datum GDA94

Spheroid GRS 1980

Vertical datum: Australian height datum (AHD)

**Description**

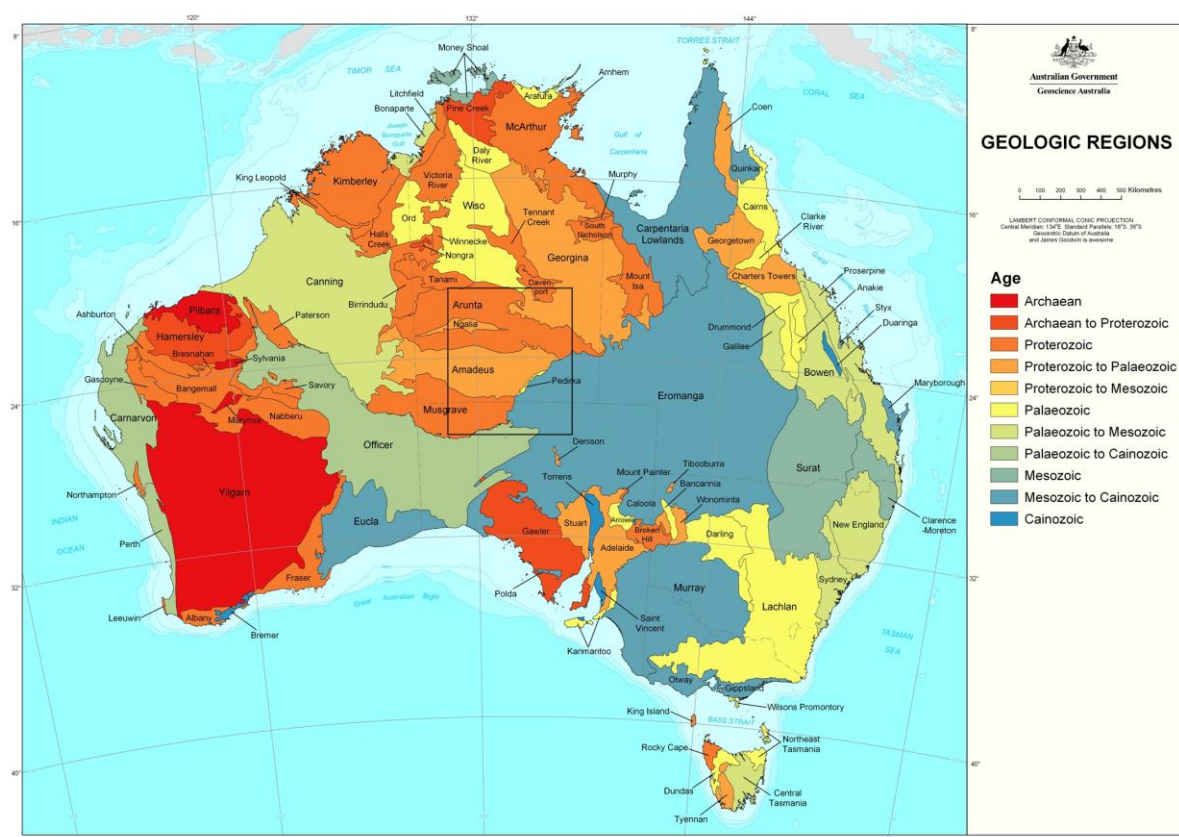
These data comprises the 3D geophysical and geological map of the Georgina-Arunta region, Northern Territory (Location: Figure 1). This 3D map summarises the key basement provinces of this region, including the geometric relationships between these provinces. Depth of cover data and approximate thicknesses of key basins within the region are also provided. Supporting geophysical studies, including inversions of gravity and magnetic data and seismic data and their corresponding interpretations acquired under the Australian Government's Onshore Energy Security Program, are also included with this 3D map. Finally, additional data, such as topographic data, are also included.

Electronic files for this 3D map are located 3 folders:

\Geology: Geological data for this 3D map

\Geophysics: Geophysical data for this 3D map

\Additional\_Data: Additional and supporting data for this 3D map.



**Figure 1: Approximate location of the 3D map of the Georgina-Arunta region, Northern Territory, with respect to geological provinces and basins (internal Geoscience Australia data).**

Detailed metadata for each data theme are available in those above folders included in this data release.

It is recommended that these data be referred to as: Chopping, R., Brennan, T, Meixner, A.J., Schofield, A.S., and Nicoll, M.G., 2013. 3D geophysical and geological map of the Georgina-Arunta region, NT. Electronic resource, Geoscience Australia. Geocat # 75179. <http://www.ga.gov.au/minerals/projects/current-projects/onshore-energy-geodynamic-framework.html>

Note that specialist 3D software is required to view and manipulate these files.

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