**Earthquake Hazard Risk Contour Map (National Geoscience Dataset)**

**Note** : This dataset description is metadata (data about data) which describes the actual dataset in accordance with the ANZLIC (Australia New Zealand Land Information Council) Core Metadata [Guidelines](http://www.anzlic.org.au/asdi/metaelem.htm) Version 2.

**Dataset citation**

**ANZLIC unique identifier:** ANZCW0703002393

**Title:** Earthquake Hazard Risk Contour Map (National Geoscience Dataset)

**Custodian**

**Custodian:** Geoscience Australia

**Jurisdiction** : Australia

**Description**

**Abstract:**

This dataset is the Earthquake Hazard Risk Contour Map for Australia based on earthquake measurements taken from the Geoscience Australia Earthquake Database. It shows the acceleration coefficient (a) 10 percent chance of being exceeded in the next 50 years. Thus a value of 0.05 as an example means that in any 50 year period, there is a 90% chance that the peak ground acceleration will not exceed 0.05. Where peak ground acceleration is a dimensionless coefficient of acceleration that is used by civil engineers to estimate forces on structures. High values of this calculation represent higher risk areas of earthquake occurrence.

**ANZLIC search words and qualifiers:**

**-** HAZARDS

**-** HAZARDS Earthquake

**Geographic extent name:** AUSTRALIA INCLUDING EXTERNAL TERRITORIES - AUSAAT - Australia

Note: The format for each Geographic extent name is: Name - Identifier - Category - Jurisdiction (as appropriate) See [GEN Register](http://www.anzlic.org.au/asdi/genmain.htm#gen)

**Geographic bounding box:**

**North bounding latitude:** -10

**South bounding latitude:** -43

**East bounding longitude:** 154

**West bounding longitude:** 113

**Data currency**

**Beginning date:** 1990-01-01

**Ending date:** 1998-09-01

**Dataset status**

**Progress:** Complete

**Maintenance and update frequency:** As required

**Access**

**Stored data format:**

**DIGITAL:** ArcGIS-coverage ArcInfo coverage Geographic WGS84

**Available data format:**

**DIGITAL:** shp ArcView shape file ArcView Geographic WGS84

**DIGITAL:** dat MapInfo native data MapInfo Geographic WGS84

**DIGITAL:** ArcGIS-coverage ArcInfo coverage Geographic WGS84

**Access constraints:**

licence required. Go to www.ga.gov.au/download/ to download data for free

**Data quality**

**Lineage:**

This is an interpretive data set based on data derived from GA's World Earthquake Database. Using earthquake locations and measurements from the database, contours reflecting potential earthquake hazard were digitised in Arcinfo for the Australian mainland. In 1997 the 1:1 000 000 scale GA approved coastline was added to the data set and items feature and UFI have been added to complete the quality assurance.

**Positional accuracy:**

Nominal Scale 1:1,000,000

**Attribute accuracy:**

High

**Logical consistency:**

A geoscientist visually inspected the finished dataset to make sure the attributes were accurate and the data were consistent spatially with current scientific information. Tests are also carried out on these data for data completeness, correct spatial representation, attribute accuracy, logical consistency and correctness, and where appropriate for compliance with Geoscience Australia's GIS data dictionary.

**Completeness:**

The dataset coverage is complete for the whole of continental Australia.

**Contact information**

**Contact Organisation:** Geoscience Australia  
**Acronym:** GA  
**Position:** Director, Sales and Distribution, ISB  
**Address:** GPO Box 378  
**Address:**   
**Suburb:** Canberra  
**State:** ACT  
**Country:** Australia  
**Postcode:** 2601  
**Phone:** +61 2 6249 9966  
**Fax:** +61 2 6249 9960  
**Email:** sales@ga.gov.au

**Metadata information**

**Metadata date:** 13-NOV-1998

**Additional metadata**

polygon items:- feature feature type EQRISK\_UNIT ufi unique numeric identifier value values of the acceleration coefficient (a) 10% chance of being exceeded in 50 years riskval 3 band classification of the above values

**Authors:**

McCue, K., Kilgour, B.

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