AUSTRALIA - High-resolution Tiled Web Maps on Terrain & Hydrology

Mapping Flood Risk in Australia: [Project Website](#)

- **Elevation Contours**
- **Modelled Surface Water Flow Directions**
- **Shaded Relief**
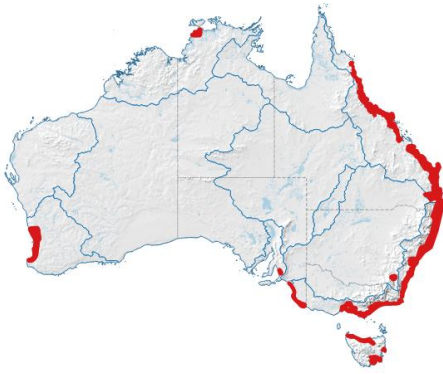
1. Overview: New tile maps superimposed over Google Maps

2. Specifications

Tile Maps (XYZ Tiles)	Input Resolution (GA's ELVIS)	Output Detail		Styles	Coverage in Australia
		Interval or resolution	Tile maps: A minimum set of zoom levels		
Elevation contours	5m	Interval 2m	14-15-16-17-18 (up to ~0.6 m)	- White - Yellow	~70% of population
	30m	Interval 10m	11-12-13-14-15 (up to ~4.8m)	- Yellow	Nationwide
Modelled Surface Water Flow Directions	5m	Spacing 100m	16-17-18 (up to ~0.6 m)	- Blue - Red	~70% of population
Shaded Relief	5m	Various resolutions	14-15-16-17 (up to ~1.2m)	- Grey	~70% of population
	30m	Various resolutions	11-12-13-14 (up to ~9.6m)	- Grey	Nationwide

3. Access URL Format, e.g.

https://api.RiskMapping.com.au/tiles/v2/{z}/{x}/{y}.[png | jpg]?type=[1, 2, ...] &apikey=[x]

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4. Coverage

High-resolution tile maps covering ~70% of AU population

5. Subscription Plans

Level 1	Level 2	Level Xi
Visit < 1,000,000 map tiles per month	Visit < 2,000,000 map tiles per month	Further discussion

All plans access to the same set of tile maps:

- Elevation contours
  - Interval 2m, White (input from 5m-resolution DTM)
  - Interval 2m, Yellow (input from 5m-resolution DTM)
  - Interval 2m, Grey (input from 5m-resolution DTM; for the Greater Sydney region only)
  - Interval 10m, Yellow (input from 30m-resolution DSM)
- Modelled Surface Water Flow Directions
  - Blue (input from 5m-resolution DTM)
  - Red (input from 5m-resolution DTM)
- Shaded Relief
  - Grey (input from 5m-resolution DTM)
  - Grey (input from 30m-resolution DSM)

- All tile maps are live and rapidly distributed by AWS content delivery networks (CDN). Data is stored in AWS Sydney Data Centre. Access in Australia and related performance is among the best.
- For evaluation, subscription and pricing, please contact us at info@BigDataEarth.com

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