

Title	ANZLIC National Nested Grids for NSW
Abstract	<p>This set of aligned GeoTIFF GIS template rasters (also called grids) covering NSW and ACT that are aligned with the Australian ANZLIC National Nested Grid (NNG). See link in resources section for more information on the NNG. There are four sets of rasters aligned to the NNG, two in Albers projection, and two series of geographic (latitude, longitude) rasters with grid cell sizes defined in terms of decimal degrees (dd) and degrees, minutes and seconds (dms). Albers projection is often used to generate area statistics because each grid cell is equal in area. Unless there is a need to nest the Albers grids within a 10km or 5km grids it is recommended you use the series nested within the 9km grid cells. Benefits of aligning rasters to the NNG include:</p> <p>Calculating areas: Once raster models have been built, there is often a need to report on areas of each model class within classes from another data layer, such as tenure or administrative regions. To obtain accurate area calculations it is necessary to re-project the raster into an equal area projection, such as Albers which is the projection used by the NNG.</p> <p>Reduces spatial errors: Every time a raster is projected each grid cell is moved and you introduce spatial errors ($\leq 0.5 \times \text{cell size}$). If all the input grids for an analysis are already aligned, this will reduce potential spatial errors in analysis or model outputs.</p> <p>Reduces processing times: A prerequisite or undertaking any analysis involving multiple rasters is that the grid cells in each one are spatially aligned. If all the input rasters for an analysis are already aligned, this will reduce processing time required to align them.</p> <p>Aligning with national raster products: There are an increasing number of national products aligned to the NNG. For example ABS uses the NNG when generating a national grid of population and ABARES landuse data. CSIRO and TERN are also aligning their grid products to the NNG.</p>
Resource locator	<p>Data Quality Statement Name: Data Quality Statement Protocol: WWW:DOWNLOAD-1.0-http--download Description: Data quality statement for Standardised Grids for NSW aligned to ANZLIC National Nested Grid Function: download</p> <p>ANZLIC National Nested Grid official web site Name: ANZLIC National Nested Grid official web site Protocol: WWW:DOWNLOAD-1.0-http--download Description: Official site for the ANZLIC National Nested Grid. Function: download</p> <p>NSW National Nested Grids specifications v2 Name: NSW National Nested Grids specifications v2 Protocol: WWW:DOWNLOAD-1.0-http--download Description: Excel file listing all the National Nested Grids generated for NSW. Function: download</p>
Unique resource identifier	
Code	6d79a529-16e0-42e2-b38d-0ddc4d650ea7
Presentation form	Map digital
Edition	2.0

Dataset language	English
Metadata standard	
Name	ISO 19115
Edition	2016
Dataset URI	https://datasets.seed.nsw.gov.au/dataset/6d79a529-16e0-42e2-b38d-0ddc4d650ea7
Purpose	Used as an template or alignment grid for raster analysis.
Status	Completed
Spatial representation type	grid
Spatial reference system	
Code identifying the spatial reference system	4283
Spatial resolution	10 m
Additional information source	Note that the Australian Albers raster templates replace the one previously registered on the Information Asset Register: https://iar.environment.nsw.gov.au/dataset/standardised-grids-for-nsw-aligned-to-anzlic-national-nested-grid
Topic category	

Keyword set	
keyword value	LAND LAND-Cover ECOLOGY-Landscape
Originating controlled vocabulary	
Title	ANZLIC Search Words
Reference date	2008-05-16
Geographic location	
West bounding longitude	139.746094
East bounding longitude	154.160156
North bounding latitude	-37.996163
South bounding latitude	-27.527758
Vertical extent information	
Minimum value	-100
Maximum value	2228
Coordinate reference system	
Authority code	urn:ogc:def:cs:EPSG::
Code identifying the coordinate reference system	5711
Temporal extent	
Begin position	2019-06-13
End position	N/A
Dataset reference date	
Resource maintenance	
Maintenance and update frequency	As needed
Contact info	
Contact position	Data Broker
Organisation name	NSW Department of Climate Change, Energy, the Environment and Water
Telephone number	131555
Email address	data.broker@environment.nsw.gov.au
Web address	https://www.nsw.gov.au/departments-and-agencies/dcceew
Responsible party role	pointOfContact
Lineage	Generated based on National Nested Grid spatial extent parameters for the following grid cell sizes (resolutions): 5m, 10m, 25m, 30m, 50m, 100m, 200m, 250m, 500m and 1000m.

Limitations on public access	
Responsible party	
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Metadata date	2024-02-26T14:21:33.553074
Metadata language	