Title	ANZLIC National Nested Grids for NSW

Abstract	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:

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.

Reduces spatial errors: Every time a raster is projected each grid cell is moved and you introduce spatial errors (<= 0.5 x cell size). If all the input grids for an analysis are already aligned, this will reduce potential spatial errors in analysis or model outputs.

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.

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.

Resource locator

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
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
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

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