

Title	Reconstructed pre-1750 vegetation in Central West Catchments. VIS_ID 3815
Alternative title(s)	CWLach_p1750_VIS_3815
Abstract	This layer represents an attempt to reconstruct (predict) the native vegetation that would occur across administration area of the Central West Catchment Management Authority (CMA). It has been constructed using existing mapping from diverse sources that has been standardised and merged. The merged layer was then used, with an associated abiotic layer, to "predict" the vegetation in areas where native vegetation no longer occurs. VIS ID 3815
Resource locator	
Data Quality Statement	Name: Data Quality Statement Protocol: WWW:DOWNLOAD-1.0-http--download Description: Data quality statement for Reconstructed pre-1750 vegetation in Central West Catchments. VIS_ID 3815 Function: download
Vegetation VIS CWLachCatch P 3815	Name: Vegetation VIS CWLachCatch P 3815 Protocol: WWW:DOWNLOAD-1.0-http--download Function: download
Unique resource identifier	
Code	5e54ec5f-7351-4248-8cfb-f27c2bbb9baa
Presentation form	Map digital
Edition	unknown
Dataset language	English
Metadata standard	
Name	ISO 19115
Edition	2016
Dataset URI	https://datasets.seed.nsw.gov.au/dataset/5e54ec5f-7351-4248-8cfb-f27c2bbb9baa
Purpose	Vegetation Mapping
Status	Completed
Spatial representation type	grid
Spatial reference system	
Code identifying the spatial reference system	4283

**Spatial
resolution**

10 m

**Additional
information
source**

DEC (2006) 'Reconstructed and extant distribution of native vegetation in the Central West Catchment.' NSW Department of Environment and Conservation, Dubbo.; ;
Limitations of use: The extrapolation of BVTs using a base abiotic layer has a number of assumptions (see report), many of which are unlikely, or will only be partially met. The accuracy and precision of the extrapolated portion of the dataset is unknown and has not been assessed. However an understanding of the datasets, and the assumptions of the extrapolation, leads to the conclusion that accuracy and precision of the extrapolation of BVTs into cleared areas will be inconsistent and of questionable quality. The purpose of the extrapolation in creating a reconstructed BVT layer was so statistics could be calculated on the status of clearing of each BVT. As the error in extrapolation is unknown so is the error in any resulting statistical calculation using this dataset. Any display of this dataset in map form should take into account the unknown error and limitations of the extrapolated portion of the dataset.

Topic category

Keyword set	
keyword value	VEGETATION FLORA
Originating controlled vocabulary	
Title	ANZLIC Search Words
Reference date	2008-05-16
Geographic location	
West bounding longitude	146.133955
East bounding longitude	150.569574
North bounding latitude	-33.980438
South bounding latitude	-29.786264
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	1990-01-01
End position	N/A
Dataset reference date	
Resource maintenance	
Maintenance and update frequency	Unknown
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 Step 1 - Data Audit; A data audit was carried out to identify extant and reconstructed vegetation mapping datasets that covered areas within the Lachlan and Central West CMA administration boundaries. These datasets were vetted for accuracy and precision to assess their suitability and were either rejected or accepted as being suitable for the purpose of this project. Gaps in extant vegetation mapping for the CMA areas were then identified and spatial vegetation datasets (using aerial photo interpretation) were derived for these gaps. ; ; Step 2 - Derivation of Broad Vegetation Groups (BVTs); The accepted and derived datasets were desktop and field assessed by botanists who then derived BVTs that characterised the vegetation across the CMAs. The existing vegetation classes within each dataset were then allocated into one of these BVTs. Datasets were prioritised by accuracy, precision and relevance and merged using this priority order to determine which dataset had precedence where overlap between them occurred. This resulted in a vegetation dataset of BVTs that covered existing native vegetation (plus some of the cleared areas).; ; Step 3 - Extrapolation of BVTs into Cleared Areas; An abiotic layer was developed to cover the two CMAs. This abiotic layer was an intersection of an amalgam of soil layers and a land capability/landsystems layer that characterised topography. The theory is that the resulting soils/topography spatial classes would correlate to vegetation classes. The abiotic layer was overlaid with the merged BVT layer and the BVT that had the greatest area within each spatial abiotic unit, was extrapolated into this unit. This resulted in a spatial dataset, whose units are spatially derived from the abiotic layer but whose attributes are those of the BVTs.; ; Step 4 - Filling of Gaps; Small gaps still existed where abiotic units did not overlap with BVTs. Gaps over 250 ha were identified. Where logistically possible these larger gaps were visited in the field and, using remnant vegetation and knowledge of the vegetation landscape relationship of the area, BVTs were allocated to the gaps.; ; Step 5 - Putting the Final Dataset Together; The BVT layer, extrapolated layer and field checked gap layer were merged, with the BVT layer given spatial precedence over the other two layers . Remaining small gaps were detected and filled in using the ArcGIS Spatial Analyst "Nibble" function which basically fills in the gaps using the BVT values of the surrounding area. The result was a reconstructed BVT dataset that gives complete coverage of the Lachlan and Central West CMAs. This result was then masked to the area covered by the Central West CMA.

Limitations on public access

Scope	dataset
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DQ Completeness Commission

Effective date	2001-01-01
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DQ Completeness Omission

Effective date	2001-01-01
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Responsible party

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

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Metadata date 2024-02-26T13:55:07.875554

Metadata language