Title	Native vegetation extant in Central West Catchments. VIS_ID 3844
Alternative title(s)	CWLach06_VIS_3844
Abstract	This layer represents an attempt to use existing layers masked by a landuse layer to represent the native vegetation that, as of 2006, occured across the administration areas of the Central West Catchment Management Authority (CMA). It has been constructed using existing mapping from diverse sources that has been standardised to broad vegetation groups (BVTs) and merged. The merged layer was then used, with an associated abiotic layer, to "predict" the vegetation in areas where native vegetation was shown not to occur. This reconstructed layer was then masked by certain attributes from a landuse layer to give the 2006 extent of the BVTs.

Resource locator	
Data Quality Statement	Name: Data Quality Statement
	Protocol: WWW:DOWNLOAD-1.0-http--download
	Description:
	Data quality statement for Native vegetation extant in Central West Catchments. VIS_ID 3844
	Function: download
Vegetation NativeVegExtent CWCatch VIS 3844	Name: Vegetation NativeVegExtent CWCatch VIS 3844
	Protocol: WWW:DOWNLOAD-1.0-http--download
	Function: download

Unique resource identifier	
Code	780c37da-14e2-4795-a142-ba032f8231d8

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/780c37da-14e2-4795-a142-ba032f8231d8
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.
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	2006-01-01
End position	N/A

Dataset reference date

Resource maintenance

Maintenance and update frequency	Unknown

Contact info	
Contact position	Data Broker
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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 occured. 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 overlayed 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.; ; Step 6; A mask layer was created using the "uncleared and grazed" and "conservation reserve" categories from the CMA Landuse. This mask was then applied to reconstructed layer to give the final extant BVT layer. A further mask of the Central West CMA was then applied..

Limitations on public access	

Scope	dataset

DQ Completeness Commission	
Effective date	2001-01-01

DQ Completeness Omission	
Effective date	2001-01-01

Responsible party

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Responsible party role	pointOfContact

Metadata point of contact

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Metadata date
2024-02-26T15:28:22.063716

Metadata language