Title	Native Vegetation of the Murray Catchment Management Authority Area. VIS_ID 3808, VIS_ID 3809, VIS_ID 3810, VIS_ID 3811
Alternative title(s)	MurrayCMA_east_type_E_3808; MurrayCMA_east_data_E_3809; MurrayCMA_west_type_E_3810; MurrayCMA_west_data_E_3811
Abstract	Native vegetation was delineated into stands using feature recognition software. A hybrid classification method that combined spatial modelling and visual interpretation was used to combine the features and create a vegetation map. SPOT 5 and Landsat satellite imagery was used in the creation of image objects. The spectral response of individual SPOT 5 scenes varied widely across the catchment so it was not used in the classification of vegetation type. Spatial layers used in the classification included a Digital Elevation Model (DEM), Landsat reflectance data, radiometric data and soil and climate layers, all of which are available for the entire State. Over 340 new full floristic survey sites were commissioned and the results were combined with 900 existing survey site records to create training areas for spatial modelling. Each survey site was assigned a New South Wales Vegetation Classification and Assessment (NSWVCA) vegetation type. The relationship between survey sites and spatial layers was explored by using machine learning software and vegetation type was classified using an object-based nearest neighbour approach. The catchment was divided into three discrete spatial models with separate training and validation survey sites. Model performance was assessed on the basis of the number of NSWVCA types mapped correctly in five classes of precision. The percentage of correctly modelled vegetation types ranged between 58% and 68%. Several vegetation community types were not able to be modelled (e.g. chenopods) or were poorly modelled due to lack of sample data. These communities were added or amended based on the visual interpretation of remotely sensed data. The amended map was assessed against a limited subset of independent survey data. The percentage of correctly mapped vegetation types in five classes of precision ranged between 72% and 78%. The mapping was presented in a geodatabase, which allows for user-generated updates so that the product can evolve as more field data are collected. ROFF, A., SIVERTSEN, D., AND DENHOLM, B. 2010. The Native Vegetation of the Murray Catchment Management Authority Area, NSW Department of Environment, Climate Change and Water, Sydney, Australia. VIS_ID 3808 VIS_ID 3809 VIS_ID 3810 VIS_ID 3811

Resource locator

Data Quality Statement	Name: Data Quality Statement Protocol: WWW:DOWNLOAD-1.0-http--download Description: DQS - Native Vegetation of the Murray Catchment Management Authority Area. VIS_ID 3808, VIS_ID 3809, VIS_ID 3810, VIS_ID 3811 Function: download
Vegetation MurrayCMA 3808 3809 3810 3811	Name: Vegetation MurrayCMA 3808 3809 3810 3811 Protocol: WWW:DOWNLOAD-1.0-http--download Description: Download Shapefile Function: download

Unique resource identifier

Code	3b1efa13-6b94-44af-b3d2-82b649eeea39

Presentation form	Map digital

Edition	Not known
Dataset language	English
Metadata standard	
Name	ISO 19115
Edition	2016
Dataset URI	https://datasets.seed.nsw.gov.au/dataset/3b1efa13-6b94-44af-b3d2-82b649eeea39
Purpose	To create a vegetation map of the Murray Catchment Management Authority Area.
Status	Completed
Spatial representation	
Type	vector
Spatial reference system	
Code identifying the spatial reference system	4283
Equivalent scale	1:None
Additional information source	ROFF, A., SIVERTSEN, D., AND DENHOLM, B. 2010. The Native Vegetation of the Murray Catchment Management Authority Area, NSW Department of Environment, Climate Change and Water, Sydney, Australia.
Topic category	

Keyword set

keyword value	VEGETATION
Originating controlled vocabulary	
Title	ANZLIC Search Words
Reference date	2008-05-16

Geographic location

West bounding longitude	143.213946
East bounding longitude	148.439386
North bounding latitude	-36.806089
South bounding latitude	-34.716469

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	2009-01-01
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

refer to report for detailed information

Limitations on public access

Scope	dataset

DQ Completeness Commission

Effective date	2001-01-01

DQ Completeness Omission

Effective date	2001-01-01

DQ Non Quantitative Attribute Correctness

Explanation	The percentage of correctly modelled vegetation types ranged between 58% and 68%.The percentage of correctly mapped vegetation types in five classes of precision ranged between 72% and 78%.

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

Metadata point of contact

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Responsible party role	pointOfContact

Metadata date

2024-08-28T02:01:39.983516

Metadata language