

Title	Historic Woody Vegetation Mapping of the NSW Wheat-belt - Band B. VIS_ID 4183
Alternative title(s)	NarrabriWheatbelt_E_4183
Abstract	This map and reports (cited below) present the results of research on the rate of change of native woody vegetation in the Central New South Wales wheatbelt. The study was carried out over three years and analysed vegetation change between the 1980s and 2000. The project tested methods to map changes in native woody vegetation using direct visual inspection of readily available Landsat TM satellite imagery. NPWS mapping of native woody vegetation types within the wheatbelt provided the 1980s baseline information for the study. Clearing was identified on the satellite images and digitised. The resulting clearing maps were used to produce updated maps of remaining native woody vegetation for each monitoring period. Systematic validation of the mapping was done by comparison with specially flown, fine-scale aerial photography. Validation results showed that the mapping consistently and accurately distinguished between clearing and areas of no-change with typical accuracy rates of approximately 95%. [VIS_ID 4183]
Resource locator	
Data Quality Statement	<p>Name: Data Quality Statement</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Description:</p> <p>Data quality statement for Historic Woody Vegetation Mapping of the NSW Wheat-belt - Band B. VIS_ID 4183</p> <p>Function: download</p>
Vegetation NarrabriWheatbelt 4183	<p>Name: Vegetation NarrabriWheatbelt 4183</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Description:</p> <p>Download Data Package</p> <p>Function: download</p>
Unique resource identifier	
Code	4df12a56-3012-46dc-843a-a02fce7533d1
Presentation form	Map digital
Edition	1
Dataset language	English
Metadata standard	
Name	ISO 19115
Edition	2016
Dataset URI	https://datasets.seed.nsw.gov.au/dataset/4df12a56-3012-46dc-843a-a02fce7533d1
Purpose	To map the rate of change of native woody vegetation in the Central New South Wales wheatbelt.
Status	Completed
Spatial representation	

Type	vector
Spatial reference system	
Code identifying the spatial reference system	4283
Equivalent scale	1:None
Additional information source	Sivertsen,D & Metcalfe,L. (1995). Natural vegetation of the southern wheat-belt (Forbes & Cargelligo 1:250000 map sheets). <i>Cunninghamia</i> v4(1):103-128 Bedward M., Sivertsen D.P., Metcalfe L.M., Cox S.J. & Simpson C.S.(2001). Monitoring the rate of native woody vegetation change in the New South Wales wheatbelt. Final Project Report to the Natural Heritage Trust / Environment Australia. (NPWS Sydney).
Topic category	

Keyword set	
keyword value	BOUNDARIES-Biophysical ECOLOGY-Landscape FLORA-Native VEGETATION
Originating controlled vocabulary	
Title	ANZLIC Search Words
Reference date	2008-05-16
Geographic location	
West bounding longitude	146.80547
East bounding longitude	149.91374
North bounding latitude	-31.006655
South bounding latitude	-29.99434
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	1980-01-01
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

Interpretation of various scales (1:50,000,1:80,000,1:85,000) of aerial photography used to define boundaries of native woody vegetation. Boundaries then transferred to 1:100 000 scale maps and digitised using Environmental Resource Mapping System E-RMS. Landsat 1:250,000 satellite images used to define the boundaries of areas cleared of native woody vegetation which were transferred to then digitised from 1:250,000 maps using E-RMS and ArcInfo.

Limitations on public access

Scope dataset

DQ Completeness Commission

Explanation The dataset complete with reference to range and field verification. Native vegetation defined as Greater than 5 percent crown cover. Where cover less than 5 percent, remnants were visited in the field before mapping. Treeless remnants only mapped where observed in the field. Remnants less than 10Ha were not mapped. Limited ground truthing possible as much of the vegetation has been cleared, remnants correlated with existing digital data.

DQ Completeness Omission

Explanation The dataset complete with reference to range and field verification. Native vegetation defined as Greater than 5 percent crown cover. Where cover less than 5 percent, remnants were visited in the field before mapping. Treeless remnants only mapped where observed in the field. Remnants less than 10Ha were not mapped. Limited ground truthing possible as much of the vegetation has been cleared, remnants correlated with existing digital data.

DQ Topological Consistency

Explanation The GIS package ERMS was used to do a topological consistency check to ensure all polygons are closed, nodes are formed at intersection of lines, all polygons are labelled once and there are no duplications. After capture, the coverage was checked against original air photomapping and errors corrected.

DQ Absolute External Positional Accuracy

Explanation Precision: Digital data accurate to 100m (deductive estimate). Consistent with cultural (roads) and physical (rivers and dams) attributes at the 1:100 000 map scale.

DQ Non Quantitative Attribute Correctness

Explanation The Title field describes the vegetation category. Very high degree of accuracy at the 1:250 000 scale. Based on extensive ground truthing at the 1:100 000 scale, objective classification using PATN on 1200 sites and Air photo interpretation.

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

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 date 2024-02-26T13:36:04.277590

Metadata language