

Title	Kempsey LGA (Western Portion) Vegetation. VIS_ID 244
Alternative title(s)	kempsey_west_veg
Abstract	Vegetation Distribution Map for the western portion of Kempsey Shire Council. Project undertaken by GHD consultants in 2007. The western portion is generally considered to be those lands within the shire boundary on the western side of the Pacific Highway.; ; The vegetation mapping was carried out using Landsat 5 TM (imagery taken between Dec 2004 and August 2005) scene and topographic variables as a basis for multi-variate statistical classification techniques. The image was 'seeded' with areas of known vegetation type 'samples', as determined by the field survey, from which spectral and topographic similarity was used to predict the presence of those types elsewhere in the image. A few iterations of model and map refinement and validation were then used to produce a final map that was then converted to the preferred GIS format for display.; ; VIS_ID 244
Resource locator	
Data Quality Statement	Name: Data Quality Statement Protocol: WWW:DOWNLOAD-1.0-http--download Description: Data quality statement for Kempsey LGA (Western Portion) Vegetation. VIS_ID 244 Function: download
Kempsey 244	Name: Kempsey 244 Protocol: WWW:DOWNLOAD-1.0-http--download Function: download
Unique resource identifier	
Code	bea5d910-fc04-46f8-9db8-445554a0b17d
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/bea5d910-fc04-46f8-9db8-445554a0b17d
Purpose	The vegetation mapping, and associated report, aims to provide a clear, concise and practical tool for the;use of KSC. The objectives of the mapping exercise are to;;◆ Describe the distribution of native vegetation across the western portion of the Shire;;◆ Illustrate the spatial distribution of vegetation communities;;◆ Highlight the potential presence of Endangered Ecological Communities (EEC's);;◆ Highlight potential habitat corridors for Koalas; and;◆ Provide a suitable data set for making important planning decisions to accommodate the Shires;predicted population growth.
Status	Completed
Spatial representation	
Type	vector

Geometric Object Type	curve
Geometric Object Count	1
Spatial reference system	
Code identifying the spatial reference system	4283
Equivalent scale	1:None
Additional information source	Report for Vegetation Mapping for Western Portion Kempsey; LGA, Kempsey Shire Council, August 2007; Kempsey West Appendix A1 Vegetation Map.pdf; Kempsey West Appendix A2 Potential EEC Map.pdf; Kempsey West Appendix A3 Potential Koala Habitat Map.pdf; Kempsey West Appendix E.pdf
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	152.269835
East bounding longitude	152.952512
North bounding latitude	-31.243804
South bounding latitude	-30.500519
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	2004-01-01
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	2.2.1 GIS Data Reviewed; Extensive data review was carried out to gain an initial understanding of the distribution of environmental; gradients throughout the site. This assessment focused predominantly on the existing vegetation mapping from the CRAFTI data set as well as topographic variables such as elevation, slope, aspect, soil type, proximity to streams and air photo cues. A complete list of the information reviewed is included in the reference section of this report. CRAFTI is the acronym for Comprehensive Regional Assessment Forest Type Inventory and is the Aerial Photograph Interpretation Project of the Comprehensive Regional Assessment (CRA). The CRAFTI project primarily focused on mapping vegetation on non-Crown Lands. The vegetation classification adopted for the CRAFTI project was based on existing Forest Type and association; classification frameworks, adapted to broad-scale vegetation mapping by aerial photograph; interpretation.; ; 2.2.2 Process to Prepare Draft Map; From the above, roughly 60 field sites were nominated for detailed floristic assessment as well as assessment of EEC and Koala habitat significance. Whilst travelling from field site to field site opportunistic sightings of vegetation types were also recorded into a palm-top GPS unit. The strategy of selecting field sites that cover the full variety of environmental gradients for forest types throughout the study area and of incorporating opportunistic sightings of vegetation communities was intended to gain a reasonably comprehensive list of vegetation types for the study area. All records were then used in conjunction to seed the classification model.; The multi-variate classification was performed using Definiens software. The process first uses a 'segmentation' algorithm to group adjacent pixels based on spectral likeness, the output of which are 22/13316/11971 Vegetation Mapping for Western Portion Kempsey LGA 4 Supplementary Report 'image objects' which are basically groups of pixels with similar characteristics. Next, areas of woody; vegetation were isolated and other areas were masked out of further analysis. From there the vegetation type records were used to provide examples from which the rest of the image could be classified based on both spectral and topographical likeness. The results of the classification model were reviewed and then post-classification refinements were implemented using decision rules based on topographic variables and class association. Generalisation tools were then applied to reduce speckle before the; final map was converted to the preferred vector format (Mapinfo TAB) for display.	
Limitations on public access		
Scope	dataset	
DQ Completeness Commission		
Effective date	2009-01-10	
DQ Completeness Omission		
Effective date	2009-01-10	
DQ Topological Consistency		
Explanation	Checked for missing attributes All attributes were checked	
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	2024-02-26T13:38:40.668599
---------------	----------------------------

Metadata language
