11110	, -9
Alternative title(s)	SingletonMilitaryArea_E_3913
Abstract	Vegetation of the Singleton Military Area.;\nA vegetation survey, classification and mapping project has been completed for the 14,520 ha Singleton Military Area (SMA), located in the mid Hunter Valley of New South Wales, on behalf of the Department of Defence.;\nA preferential sampling design supported by extensive ground-data collection (1,427 ground control data points) was adopted to select and sample the vegetation so that observable variations in dominant plant species combinations could be analysed in detail. Two approaches to classification were employed, each tailored to different structural habitats: woody vegetation and grasslands. For woody vegetation, sample sizes were 0.04 ha, while 0.01 ha samples were used in grassland habitats. In all cases, all vascular plant species within sample plots were recorded and assessed in terms of a 6-point cover abundance code. Numerical classification of sample data was undertaken using the Primer statistical package, where cluster;\nanalysis and non-metric multidimensional scaling ordinations were performed. In total, 78 full floristic sample plots were used to define 23 woody vegetation communities, while 82 sample plots defined 21;\ngrassland (and wetland, shrubland) communities. Of these, six woody communities can be considered Threatened Ecological Communities (TECs), listed under the NSW Threatened Species Conservation Act 1995;\nMapping of all vegetation communities was undertaken through on-screen interpretation of digital orthorectified aerial photographs (flown December 2008), supported by the 1,427 ground control data;\npoints for woody vegetation. Accuracy of this mapping is considered high across most of the SMA, due to the methods used in its construction. Grasslands were mapped in a similar way, but did not incorporate ground control points. Instead, intensive ground truthing was undertaken to attribute specific areas to grassland types. It was noted, however, that distinguishing community boundaries in the field between adjacent grasslands was diff
Resource locator	
Data Quality Statement	Name: Data Quality Statement
	Protocol: WWW:DOWNLOAD-1.0-httpdownload
	Description:
	Data quality statement for Vegetation of the Singleton Military Area. VIS_ID 3913 Function: download
<u>Vegetation</u> <u>SingletonMilitaryArea</u> <u>E 3913</u>	Name: Vegetation SingletonMilitaryArea E 3913
	Protocol: WWW:DOWNLOAD-1.0-httpdownload
	Function: download
Unique resource ide	entifier
Code	26051ba1-30c6-4e67-a69e-c33ac6c7f75f
Presentation form	mapDigital
Edition	unknown
Dataset language	eng
Metadata standard	
Name	ANZLIC Metadata Profile: An Australian/New Zealand Profile of AS/NZS ISO 19115:2005, Geographic information - Metadata

Vegetation of the Singleton Military Area. VIS_ID 3913

Title

Version

1.1

https://datasets.seed.nsw.gov.au/dataset/26051ba1-30c6-4e67-a69e-

Dataset URI	<u>c33ac6c/f/5f</u>	
Purpose	Vegetation Mapping	
Status	completed	
Spatial representation		
Туре	vector	
Spatial reference system		
Authority code	GDA94 Geographic (Lat\Long)	
Code identifying the spatial reference system	4283	
Equivalent scale	1:None	
Additional information source	Sinclair Knight Merz & Eastcoast Flora Survey (2012). Vegetation of the Singleton Military Area. Report to Department of Defence, June 2012.	
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	151.11261		
East bounding longitude	151.247986		
North bounding latitude	-32.776871		
South bounding latitude	-32.600636		
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	2011-06-01		
End position	N/A		
Dataset reference date			
Date type	publication		
Effective date	2013-06-03		
Resource maintenance			
Maintenance and update frequency	None		
Contact info			
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Responsible party role	pointOfContact		

Lineage

A digital, orthorectified aerial photographic mosaic (flown December 2008) was made available for the project, and was used for the basis of all mapping. Interpretation of this;\nmosaic was completed on-screen in Mapinfo GIS across the entire study area, with the exception of the;\nfar north-western corner. In this case, interpretation was based on an older, broader image supplied by Lands & Property Information.;\nWithin Mapinfo GIS, observable photo-patterns from orthorectified colour aerial photographs were scrutinised and cross-referenced to RDP data collected in the field.;\nA preferential sampling strategy formed the basis of the survey design for this project. Following preparation of a draft vegetation 'strata' map, standard floristic survey;\nquadrats (0.04ha; 20 x 20m or 40 x 10m in riparian habitats) were sampled in representative locations;\nwithin the SMA for woody vegetation. Survey of grassland areas in general incorporated the same strategies as completed for woody vegetation, with the exception that quadrats sampled representative areas of 0.01ha (10 x 10m).;\nFloristic sample (quadrat) data was entered into a licensed copy of the DECCW vegetation survey database,;\nrunning on a Microsoft Access platform. Analysis of data was undertaken using multivariate techniques in the Primer statistical package.

Limitations on public access

Scope dataset

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Responsible party role distributor

Metadata date 2012-06-29

Metadata language eng