

Title	Vegetation of the Singleton Military Area. VIS_ID 3913
Alternative title(s)	SingletonMilitaryArea_E_3913
Abstract	<p>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 difficult due to the history of grazing, and interpretation of aerial photographs could only distinguish broad grassland patterns. VIS_ID 3913</p>
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 Vegetation of the Singleton Military Area. VIS_ID 3913</p> <p>Function: download</p>
Vegetation SingletonMilitaryArea E 3913	<p>Name: Vegetation SingletonMilitaryArea E 3913</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Function: download</p>
Unique resource identifier	
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
Version	1.1
	https://datasets.seed.nsw.gov.au/dataset/26051ba1-30c6-4e67-a69e-

Dataset URI	c33ac6c7f75f
Purpose	Vegetation Mapping
Status	completed
Spatial representation	
Type	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	Biota
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	creation
Effective date	2012-06-29
Date type	publication
Effective date	2013-03-06

Resource maintenance

Maintenance and update frequency unknown

Contact info

Organisation name	Department of Planning, Industry and Environment
Full postal address	PO Box A290 Sydney South NSW 1232 Australia
	data.broker@environment.nsw.gov.au
Telephone number	131555
Facsimile number	02 9995 5999
Email address	data.broker@environment.nsw.gov.au
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 mosaic was completed on-screen in Mapinfo GIS across the entire study area, with the exception of the far north-western corner. In this case, interpretation was based on an older, broader image supplied by Lands & Property Information. Within Mapinfo GIS, observable photo-patterns from orthorectified colour aerial photographs were scrutinised and cross-referenced to RDP data collected in the field. A preferential sampling strategy formed the basis of the survey design for this project. Following preparation of a draft vegetation 'strata' map, standard floristic survey quadrats (0.04ha; 20 x 20m or 40 x 10m in riparian habitats) were sampled in representative locations within 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). Floristic sample (quadrat) data was entered into a licensed copy of the DECCW vegetation survey database, running on a Microsoft Access platform. Analysis of data was undertaken using multivariate techniques in the Primer statistical package.

Constraint set

Use constraints This data is provided under a Creative Commons Attribution 4.0 licence <http://creativecommons.org/licenses/by/4.0> Attribute 'Office of Environment and Heritage (OEH)' in publications using this data.

Limitations on public access

Scope dataset

Completeness Commission

Date type revision

Effective date 2001-01-01

Explanation

Completeness Omission

Date type revision

Effective date 2001-01-01

Explanation

Topological Consistency

Explanation Geometric and topological (overlap) errors were corrected.

Responsible party

Contact position Data Broker

Organisation name Department of Planning, Industry and Environment

Full postal address PO Box A290
Sydney South
NSW
1232
Australia

data.broker@environment.nsw.gov.au

Telephone number 131555

Facsimile number 02 9995 5999

Email address data.broker@environment.nsw.gov.au

Web address <http://www.planning.nsw.gov.au/>

Responsible party role pointOfContact

Metadata point of contact

Contact position	Data Broker
Organisation name	Department of Planning, Industry and Environment
Full postal address	PO Box A290 Sydney South NSW 1232 Australia data.broker@environment.nsw.gov.au
Telephone number	131555
Facsimile number	02 9995 5999
Email address	data.broker@environment.nsw.gov.au
Responsible party role	distributor

Metadata date	2012-06-29
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Metadata language	eng
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