

Title	The Native Vegetation of the Sydney Metropolitan Area - Version 3.1 (OEH, 2016) VIS_ID 4489
Alternative title(s)	SydneyMetroArea_v3_1_2016_E_4489
Abstract	<p>This layer contains digital mapping of the native vegetation communities of the Sydney Metropolitan area. Vegetation communities have been derived from the analysis of 2200 floristic sites collated for the study area. Identified vegetation communities have been related to currently listed threatened ecological communities listed under the NSW TSC Act, 1995 and the Commonwealth EPBC Act, 1999. Native vegetation communities have been mapped using a combination of detailed image interpretation, relationships between sample sites and abiotic environmental variables. The derived digital data layer includes fields that describe the vegetation community, interpreted dominant species and understorey characteristics, interpretation confidence, disturbance type and severity, NSW vegetation formation and classes and related NSW Plant Community Types. These are described in detail in technical reports OEH (2016) The Native Vegetation of the Sydney Metropolitan Area. Volume 1: Technical Report. Version 3.0. Office of Environment and Heritage Sydney. OEH (2016) The Native Vegetation of the Sydney Metropolitan Area. Volume 2: Vegetation Community Profiles. Version 3.0. NSW Office of Environment and Heritage, Sydney. Version 3.0 of the Native Vegetation of the Sydney Metropolitan Area updates the Plant Community Type and Biometric Vegetation Type of each map unit.</p> <p>Version 3.0 replaced version 2.0 (VIS_ID 3817) and created a seamless alignment between the GIS layer and the Plant Community and Biometric Vegetation Types in the Biodiversity Assessment Method tool. These were the only significant updates from version 2.0.</p> <p>Version 3.1 is a minor update. Two new attribute fields were added - PCTID and PCTName. These fields align with the Bionet Vegetation map data standard v1.0(https://www.environment.nsw.gov.au/research-and-publications/publications-search/bionet-vegetation-map-data-standard-version-1). PCTID was populated by the v3.0 attribute field, PCT_code. PCTName was populated by extracting the corresponding PCT common name from the Bionet Vegetation Classification web service (https://data.bionet.nsw.gov.au/). No other changes were made to the vegetation map.</p> <p>VIS_ID 4489</p>

Resource locator

Show on SEED Web Map	<p>Name: Show on SEED Web Map</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Description:</p> <p>Display dataset on SEED's map</p> <p>Function: download</p>
Data Quality Statement - Sydney Metro Area Veg Map, 2016	<p>Name: Data Quality Statement - Sydney Metro Area Veg Map, 2016</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Description:</p> <p>DQS for Syd Metro Area veg map</p> <p>Function: download</p>
Web Map Service (WMS)	<p>Name: Web Map Service (WMS)</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Description:</p> <p>Connect to Web Map Service (view in GIS)</p> <p>Function: download</p>
REST Service (JSON, SOAP)	<p>Name: REST Service (JSON, SOAP)</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p>

Description:
Sydney Metropolitan Area Vegetation - REST

Function: download

[Download package](#)

Name: Download package

Protocol: WWW:DOWNLOAD-1.0-http--download

Description:

Data (v3.1) & documents

Function: download

[Technical Report \(Volume 1\)](#)

Name: Technical Report (Volume 1)

Protocol: WWW:DOWNLOAD-1.0-http--download

Description:

Report (PDF)

Function: download

[Vegetation Community Profiles \(Volume 2\)](#)

Name: Vegetation Community Profiles (Volume 2)

Protocol: WWW:DOWNLOAD-1.0-http--download

Description:

Report (PDF)

Function: download

Unique resource identifier

Code 07b107f9-7595-4ce1-b96e-5dbdf0ad1ffe

Presentation form Map digital

Edition 3.1

Dataset language English

Metadata standard

Name ISO 19115

Edition 2016

Dataset URI <https://datasets.seed.nsw.gov.au/dataset/07b107f9-7595-4ce1-b96e-5dbdf0ad1ffe>

Purpose The purpose of the data is to provide a single detailed coverage of native vegetation communities in the Sydney metropolitan area using standardised vegetation classification. This classification is designed to relate to the objectives of the OEH vegetation information systems and to assist users with the assessment of threatened ecological communities listed under the NSW TSC Act and Commonwealth EPBC Act. It is designed to be used in conjunction with other sources on native vegetation in the study area including existing literature, field investigations and TEC determinations. Precautions are required when using TEC data and caveats noted in Volume 1 technical report (OEH 2016) should be noted.

Status Completed

Spatial representation

Type vector

Geometric

Object Type curve

Spatial reference system

Code identifying the spatial reference system 4283

Spatial resolution 0 m

Additional information source OEH (2016) The Native Vegetation of the Sydney Metropolitan Area. Volume 1: Technical Report. Version 3.0. Office of Environment and Heritage Sydney.OEH (2016) The Native Vegetation of the Sydney Metropolitan Area. Volume 2: Vegetation Community Profiles. Version 3.0. NSW Office of Environment and Heritage, 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	150.76635
East bounding longitude	151.34251
North bounding latitude	-34.2694
South bounding latitude	-33.54797
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	2007-08-01
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

Linework was derived from a number of sources. 1. Woody/Non Woody cover boundaries were captured using 10cm resolution digital RGB orthographic aerial photography flown in 2005 & 2007 by Sinclair Knight Mertz (provided by SMCMA), using Definiens Developer 7 (refer to Vol 1 for more details) and manually corrected where necessary. A review of the woody-non woody line work currency has been completed using 2011 conurbation imagery (AAM Hatch, 2011) based on user feedback of 2009 draft to highlight change. Woody-non woody boundary for urban parts of Pittwater LGA is based on a modified coverage of linework completed by Bangalay Ecological and Bushfire and Eastcoast Flora Survey (2011). Areas of Duffys Forest in Warringah LGA are modified from Smith and Smith (2005). 2. Vegetation community boundaries are sourced from stereoscopic interpretation of ADS-40 digital imagery available for the Wollongong-Port Hacking, Penrith and Sydney 1:100 000 map sheets (LPI, 2007-2009). This was supplemented by interpretation of 10cm resolution digital RGB orthographic aerial photography flown (AAM Hatch, 2011). 3. Vegetation community boundaries from existing digital data layers were included and modified where necessary using: Sydney Harbour Foreshores - Allen et al. (2007). Sandstone foreshores, saltmarshes and wetlands >0.1hectare Native Vegetation Warringah LGA - Smith and Smith (2005). Allenby Park, Manly Dam, Garigal NP and adjoining Crown lands, Duffys Forest Native Vegetation of the Woronora and Metropolitan Catchments - NPWS (2003b). Woronora and O'Hares Creek catchments Native Vegetation of the Northern Illawarra Escarpment - NPWS (2002c). Helensburgh area Draft Vegetation Mapping of Endangered Ecological Communities in Ku-ring-gai LGA - Ku-ring-gai Council (2011). Shale plateau vegetation and adjoining shale sandstone environments Estuarine Vegetation in the SMCMA - DPI (2009). Mangrove, saltmarshes and seagrass Pittwater Vegetation Classification, Vegetation - Bangalay Ecological and Bushfire and Eastcoast Flora Survey (2011). Contiguous vegetation cover only. Updated in 2016 with edits to PCTs & BVTs. Updated in 2018 with addition of attribute fields, PCTID & PCTName. PCTID was populated by PCT_code, and then linked to Bionet Vegetation Classification database to populate PCTName.

Limitations on public access

Scope dataset

DQ Completeness Omission

Explanation Vegetation cover has been completed across all land tenures in the defined Sydney metropolitan study area. All polygons have been assigned attributes based on the fields described in Volume 1 of the Technical Report (OEH 2016)

DQ Conceptual Consistency

Explanation Geometry Appropriateness: Vegetation communities are delineated as polygons, suitable for the intended interpretation at scales of 1:5000; Completeness of Attributes: All fields have values entered, where appropriate; DomainValidation: Attribute domains are established; Consistency and Appropriate Attribute Value/ Precision: Quantitative attribution as text and integers (appropriate). Qualitative attribution used consistently. Record Duplication: No duplicates; Topological Relationship to Other Layers: Not applicable

DQ Topological Consistency

Explanation Geometry Topology: Topology validation was performed with a tolerance of 0.5 metres and all subsequent gaps and overlapping polygons fixed. Topology is correct.

DQ Absolute External Positional Accuracy

Explanation Woody-non Woody Precision: 2.3 metres (SD 3.4 metres) Determination: Measured independent assessment of 30 random transects using 269 sample points. Mapped linework compared to 2011 10cm orthorectified RGB digital imagery supplied for the Sydney Con-urbanation area (AAM Hatch 2011)

DQ Non Quantitative Attribute Correctness

Explanation Accuracy of woody-non woody cover is 97.3% based on an independent assessment of 2000 random points in 20 randomly located grids. Assessment of vegetation community accuracy is limited to the assessment of the 2009 draft using a non stratified independently collected data set of 262 sample sites. Based on the trends of this result, this suggests that the map is at least 62.5% accurate within 50 metres of a sample point located on the ground and assessed using standard 400sqm sample and collecting full floristic data with cover abundance scores. It is assumed that based on the high numbers of samples, inclusion of new and revised mapping since the 2009 draft and user feedback the accuracy experience is likely to be higher. Attribute accuracy for non vegetation attributes has not been assessed but is assumed to be high based on an ad-hoc review of map data and digital imagery.

Responsible party

Contact position Data Broker

Organisation name NSW Department of Climate Change, Energy, the Environment and Water

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

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Responsible party role pointOfContact

Metadata point of contact

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Metadata date 2024-09-17T00:20:16.058329

Metadata language