## Title State Vegetation Type Map (SVTM) Modelling Grid Collection

#### **Abstract**

The SVTM Modelling Grid Collection refers to a suite of around 80 environmental layers that are used for species distribution modelling (SDM). Environmental layers comprise climate, terrain and soil variables for the state of NSW. Layers are used as covariates for the modelling of plant community types within NSW.

Climate variables, such as annual temperature, precipitation, solar radiation and others are generated by ANUCLIM (Version 6.1 MTHCLIM module), and the Bureau of Meteorology, Gridded climate data

(http://www.bom.gov.au/climate/averages/climatology/gridded-data-info/gridded-climate-data.shtml). ANUCLIM input includes a digital elevation model - the elevation model used for these climate surfaces was the 1 second smoothed DEMS from the Shuttle Radar Topographic Mission (SRTM DEM-S see Gallant et al. 2011). The same DEM was used to create topographic variables, such as slope, aspect, roughness and topographic position index. Soil variables, such as clay, sand, silt content, organic carbon, pH, total nitrogen, and others are products of the Soil and Landscape Grid of Australia's, Australia-wide Soil Attribute Maps

(https://www.clw.csiro.au/aclep/soilandlandscapegrid/ProductDetails-SoilAttributes.html). Soil attributes are modelled from measured soil attribute data from existing databases in the national soil site data collation and environmental parameters.

All grids have a common projection, grid cell resolution and snapped to the same spatial extent. The grid cell resolution is 1 second or approximately 30m.

NOTE: This asset does not refer to a distinct layer, rather a collection of related environmental datasets used for vegetation modelling as part of the State Vegetation Type Map Modelling Grid Collection. This list of environmental datasets is attached as a resource. Further information can be found at <a href="https://www.environment.nsw.gov.au/vegetation/state-vegetation-type-map.htm">https://www.environment.nsw.gov.au/vegetation/state-vegetation-type-map.htm</a>.

### Resource locator

Data Quality Statement

Name: Data Quality Statement

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

Description:

Data quality statement for State Vegetation Type Map (SVTM) Modelling Grid

Collection

Function: download

NSW SVTM Spatial environmental

<u>layers</u>

Name: NSW SVTM Spatial environmental layers

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

Description:

Regional scale map of Plant Community Types (PCT) for NSW called the State

Vegetation Type Map (SVTM).

Function: download

#### Unique resource identifier

Code cfe9067b-ebf1-420f-a002-c7080d44b0b3

Presentation form

Document digital

Edition 1

Dataset language

English

## Metadata standard

Name ISO 19115

Edition	2016	
Dataset URI	https://www.planningportal.nsw.gov.au/opendata/dataset/cfe9067b-ebf1-420f-a002-c7080d44b0b3	
Purpose	This asset has been created as a placemarker to link all related environmental datasets to this project	
Status	Completed	
Spatial representation type	None	
Spatial reference system		
Code identifying the spatial reference system	4283	
Additional information source	As this project refers to a collection of various datasets, the dates of development and acquisition vary across this time period.	
Topic category	environment	

Keyword set	
keyword value	LAND-Topography
	SOIL
	CLIMATE-AND-WEATHER
	ECOLOGY
	ECOLOGY-Community
	GEOSCIENCES-Geology
Originating controlled vocabulary	
Title	ANZLIC Search Words
Reference date	2008-05-16
Geographic location	
NSW Place Name	NSW
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	1976-01-01
End position	N/A
Dataset reference date	
Resource maintenance	
Maintenance and update frequency	Not planned
Contact info	
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Responsible party role	pointOfContact

#### Constraint set

Use constraints

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Limitations on public access

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Metadata date 2024-02-26T13:42:20.480970

### Metadata language