Title

Soil Data Confidence map for NSW

Abstract

This map provides a guide to the data confidence of DPIE's soil related thematic map products in NSW. Examples of products this map supports includes Land and Soil Capability mapping, Inherent fertility of soils in NSW and Great Soil Group soil types in NSW.

Confidence classes are determined based on the data scale, type of mapping and information collected, accuracy of the attributes and quality assurance on the product.

Soil data confidence is described using a 4 class system between high and very low as outlined below.:

- **Good** (1) - All necessary soil and landscape data is available at a catchment scale (1:100,000 & 1:250,000) to undertake the assessment of LSC and other soil thematic maps.
- **Moderate** (2) - Most soil and landscape data is available at a catchment scale (1:100,000 - 1:250,000) to undertake the assessment of LSC and other soil thematic maps.
- **Low** (3) - Limited soil and landscape data is available at a reconnaissance catchment scale (1:100,000 & 1:250,000) which limits the quality of the assessment of LSC and other soil thematic maps.
- **Very low** (4) - Very limited soil and landscape data is available at a broad catchment scale (1:250,000 - 1:500,000) and the LSC and other soil thematic maps should be used as a guide only.

Online Maps: This dataset can be viewed using eSPADE (NSW's soil spatial viewer), which contains a suite of soil and landscape information including soil profile data. Many of these datasets have hot-linked soil reports. An alternative viewer is the SEED Map; an ideal way to see what other natural resources datasets (e.g. vegetation) are available for this map area.

Reference: Department of Planning, Industry and Environment, 2020, *Soil Data Confidence map for NSW*, Version 4, NSW Department of Planning, Industry and Environment, Parramatta.

Resource locator

Data Quality Statement	Name: Data Quality Statement Protocol: WWW:DOWNLOAD-1.0-http--download Description: DQS - Soil Data Confidence map for NSW Function: download
Show on eSPADE Web Map	Name: Show on eSPADE Web Map Protocol: WWW:DOWNLOAD-1.0-http--download Description: View dataset on eSPADE spatial viewer. Function: download
Soil data confidence package	Name: Soil data confidence package Protocol: WWW:DOWNLOAD-1.0-http--download Description: Download data package: shapefile, ESRI layer file and PDF map. Function: download
Soil map information	Name: Soil map information Protocol: WWW:DOWNLOAD-1.0-http--download Description: Web page about soil maps in NSW.

	Function: download
Land and soil information	Name: Land and soil information Protocol: WWW:DOWNLOAD-1.0-http--download Description: Web page about land and soil information in NSW. Function: download

Unique resource identifier

Code	d41443a5-6290-4004-be2c-7c97b3d9856b

Presentation form	Map digital
Edition	4.0
Dataset language	English

Metadata standard

Name	ISO 19115
Edition	2016

Dataset URI	https://datasets.seed.nsw.gov.au/dataset/d41443a5-6290-4004-be2c-7c97b3d9856b
Purpose	This map was produced to identify the quality and confidence of DPIE's statewide thematic soil information products e.g. Land and Soil Capability.
Status	Completed

Spatial representation

Type	vector
Geometric Object Type	surface
Geometric Object Count	25

Spatial reference system

Code identifying the spatial reference system	4283

Equivalent scale	1:None
Additional information source	**Version changes** The major change in version 4 occurs in the Hunter Region with the inclusion of high quality 1:100,000 for the area into the thematic soil map products. The confidence in this area has been increased to high. **GIS field name descriptions** Conf_code – Soil data confidence classification code (1-4)

Conf_name - Soil data confidence classification name (very low – high)

Conf_desc - Soil data confidence classification description

Label - Field intended to be used to label linework.

Version - Version of dataset.

Topic category

Keyword set

keyword value	SOIL
Originating controlled vocabulary	
Title	ANZLIC Search Words
Reference date	2008-05-16

Geographic location

West bounding longitude	141.001
East bounding longitude	153.66
North bounding latitude	-37.507
South bounding latitude	-27.998
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	2009-06-01
End position	N/A

Dataset reference date

Resource maintenance

Maintenance and update frequency	As needed
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

The best available soils datasets were sourced to provide a single (seamless where possible) layer across the area. Datasets collated to derive this map included:

- published and draft 1:100,000 soil landscape mapping [1:100,000 scale]
- published and draft 1:250,000 soil landscape mapping [1:250,000 scale]
- Soil and Land Resources of the Hawkesbury Nepean Catchment [1:100,000 scale]
- Soil and Land Resources of the Hunter Region [1:100,000 scale]
- Soil and Land Resources of the Moree Plains [1:100,000 scale]
- Soil and Land Resources of the Merriwa Plateau [1:100,000 scale]
- Soil and Land Resources of the Liverpool Plains Catchment [1:100,000 scale]
- Reconnaissance Soil and Land Resources of the Murray CMA Catchment [1:100,000 & 1:250,000 scale]
- Soil Landscapes of the SCA Hydrological Catchments [1:100,000 scale]
- Soils landscapes of the Comprehensive Coastal Assessment (Bare Point, Jervis Bay, Batemans Bay and Ulladulla) [1:100,000 scale]
- Southern Comprehensive Regional Assessment [1:100,000 scale]
- Northern Comprehensive Regional Assessment [1:100,000 scale]
- Reconnaissance soil landscapes of the Namoi CMA [1:100,000 scale]
- Reconnaissance soil landscapes of the Upper Riverina (HSHL) [1:100,000 scale]
- Reconnaissance soil landscapes of the Border Rivers/Gwydir CMA [1:100,000 scale]
- Brigalow Belt South Western Regional Assessment [1:100,000 scale]
- Reconnaissance Soil Landscapes of the Upper Macleay Catchment [1:100,000 scale]
- Upper Murrumbidgee Soil Benchmarking project [1:100,000 scale]
- Glen Innes Data Gap Reconnaissance Soils Mapping [1:100,000 scale]
- Soil Information for the Nyngan 1:250,000 sheet [1:250,000 scale]
- Soil Information for the Walgett 1:250,000 sheet [1:250,000 scale]
- Soil Information for the Gilgandra 1:250,000 sheet [1:250,000 scale]
- Reconnaissance soil landscapes of the Riverine Plains [1:500,000 scale]
- Land Systems of the Western NSW [1:250,000 scale]
- Land Systems of the Cobar Peniplain Bioregion [1:250,000 scale]

Polygons for each soil dataset in NSW were dissolved to create one polygon per mapping dataset. These individual dataset polygons were then assigned a data confidence based on data scale, type of mapping and information collected, accuracy of the attributes and quality assurance on the product. Figure one in the data package shows a map of the final product.

Limitations on public access

Scope	dataset

DQ Completeness Commission

Effective date	2020-10-27
Explanation	All polygons were labelled with a data confidence class as per the classification. This map product was produced to support DPIE's soil thematic maps.

DQ Completeness Omission

Effective date	2001-01-01

DQ Conceptual Consistency

Effective date	1900-01-01

DQ Topological Consistency

Effective date	2017-05-05
Explanation	ArcGIS was used to ensure all polygons in the feature class are topologically correct. (cluster tolerance 0.000003 DDeg).

DQ Absolute External Positional Accuracy

Effective date	2017-05-05
Explanation	The mapping line work reflects the boundaries of many different soil datasets across NSW. These dataset boundaries were captured at different scales and reflect a mix of map grid boundaries (e.g. 1:100,000 maps sheets), water catchments, Catchment Management Authority regional boundaries and other statutory boundaries. The general accuracy of these boundaries range between 100-250 m.

DQ Non Quantitative Attribute Correctness

Effective date	2020-10-27
Explanation	Polygons were attributed with a class using the dataset’s overall soil mapping standard and the scale of map production. Considering the methodology used, the attribute accuracy is good for use at a catchment scale.

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

2024-02-26T13:37:27.196150

Metadata language