

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

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Metadata date 2024-02-26T13:37:27.196150

Metadata language