Title Soil Landscapes of the Dungog 1:100,000 Sheet

Abstract

This map is one of a series of soil landscape maps that are intended for all of central and eastern NSW, based on standard 1:100,000 and 1:250,000 topographic sheets. The map provides an inventory of soil and landscape properties of the area and identifies major soil and landscape qualities and constraints. It integrates soil and topographic features into single units with relatively uniform land management requirements. Soils are described in terms of soil materials in addition to the Australian Soil Classification and the Great Soil Group systems.

Online Maps: This dataset can be viewed using <u>eSPADE</u> (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 <u>SEED Map</u>; an ideal way to see what other natural resources datasets (e.g. vegetation) are available for this map area.

Reference: Henderson L.E., 2000, *Soil Landscapes of the Dungog 1:100,000 Sheet*, NSW Department of Land and Water Conservation, Sydney.

Resource locator

Data quality statement

Name: Data quality statement

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

Description:

DQS - Soil Landscapes of the Dungog 1:100,000 Sheet

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

NSW Government Online Shop Name: NSW Government Online Shop

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

Description:

Purchase hardcopy map and report from Shop.DPIE website

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

GIS data Name: GIS data

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

Description:

Download shapefile and ESRI layer file Function: download Name: Soil landscape map Soil landscape map Protocol: WWW:DOWNLOAD-1.0-http--download Description: Download high quality JPG map Function: download Name: Soil landscape reports Soil landscape <u>reports</u> Protocol: WWW:DOWNLOAD-1.0-http--download Description: Download complete soil landscape report & individual landscape descriptions Function: download Name: Soil landscape data package Soil landscape data package Protocol: WWW:DOWNLOAD-1.0-http--download Description: Download complete package: GIS data, soil landscape reports and JPG map. Function: download Unique resource identifier 57671d45-3c0c-4d85-a463-62edbb493ad1 Code Presentation Map digital form Edition 1.0 **Dataset English** language Metadata standard ISO 19115 Name Edition 2016 Dataset URI https://datasets.seed.nsw.gov.au/dataset/57671d45-3c0c-4d85-a463-62edbb493ad1 Purpose Support natural resource management and decision making. **Status** Completed Spatial representation Type vector Geometric surface Object Type Geometric 927 **Object Count** Spatial reference system Code

identifying the spatial reference system	4283	
Equivalent scale	1:None	
Additional	GIS Field name descriptions CODE - Soil landscape code NAME - Soil landscape name PROCESS - Process Group of the soil landscape. Groups are named after either recent or current land-forming processes, or conditions that influence soil parent material or soil type. Descriptions of these groups are available within soil landscape reports and on the DPIE website. LANDSCAPE - A string combining process group and the soil landscape code. The first two capital letters are the process groups abbreviation and the remaining letters are the soil landscape code. VERSION - Version number	
information source		
	Available Formats	
	 View online using <u>eSPADE</u> Spatial viewer Download JPG map, report or GIS ESRI shapefiles(.shp) & layer files (.lyr) from <u>SEED</u> data portal. Purchase a hard-copy map and report from <u>Shop.DPIE</u> Soil profile points data is also available in MS spreadsheet format by contacting the data custodians at soils@environment.nsw.gov.au 	
Topic category	у	
Keyword set		
keyword value	AGRICULTURE	
	GEOSCIENCES-Geology	
	GEOSCIENCES-Geomorphology	
	HAZARDS-Flood	
	HAZARDS-Landslip	
	LAND-Topography	
	SOIL	
	SOIL-Chemistry	
	SOIL-Erosion	
	SOIL-Physics	
	VEGETATION	
Originating contro	olled vocabulary	
Title	ANZLIC Search Words	
Reference date	2008-05-16	
Geographic lo	cation	
West bounding lo	ngitude 151.501131	
East bounding lon	ngitude 152.00113	
North bounding la	-32.498418	

-31.998415

South bounding latitude

NSW Place Name	Dungog 1:100 000 map sheet
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	1994-01-01
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

Provisional soil landscapes were established, based firstly on the dominant geomorphic process responsible for the formation of the landscape and secondly, on the geological parent material. The boundaries of these provisional soil landscapes were mapped using stereoscopic interpretation of 1:40,000 and 1:50,000 black and white aerial photographs then transferred onto 1:25,000 base maps. After field checking these boundaries and detailed investigation of the soils, the provisional landscapes were confirmed, amalgamated or sub-divided. The resulting soil landscapes are presented on the map at 1:100,000 scale in groups based on their dominant geomorphic process. A colour has been allocated to each group.; ; Soils were examined and described in detail at 399 sites and inspected at many hundreds more over the 50 soil landscapes. At each described site, soil morphological data and site information were recorded on Soil Data Cards and later transferred into the Soil and Land Information System (SALIS). 455 soil samples were collected for laboratory analysis.; ; The GIS shapefile linework has been updated to reflect latest hydrology data. Therefore small differences will occur between the shapefile and hard copy map.

Limitations on public access

Scope dataset

DQ Completeness Commission

Effective date

1997-01-20

Explanation

Each soil landscape generally has a representative profile (type profile) for each sublandscape (facet) within it. Soil landscapes with difficult access may have very little to no soil profile descriptions. The number of soil profile descriptions and observations are within the recommended range specified in the Australian Soil and Land Survey polygons less than 300 m wide are generally not shown unless they are unusually significant.

DQ Completeness Omission

Effective date

2009-01-10

DQ Conceptual Consistency

Effective date

1997-01-20

Explanation

The map and report have been checked for technical consistency and compliance with soil landscape map series standards. Map unit concepts and polygons, major soil types and soil landscape descriptions have been field verified (field edited) by a peer soil surveyor. Soil landscape boundaries have been checked and refined using iterative field and aerial photo checks. Logical consistency of vector data was assessed at the time of map digitisation.

DQ Topological Consistency

Effective date

1997-01-20

Explanation

ArcGIS was used to ensure all polygons in the shapefile are topologically correct.

DQ Absolute External Positional Accuracy

Effective date

1997-01-20

Explanation

Boundaries between soil landscapes are drawn as solid lines where they could be delineated reliably and broken lines where they were more diffuse or difficult to identify. Solid line boundaries are generally accurate within 100m. Dashed line boundaries are generally accurate within 100 to 250m. Dotted line boundaries are generally accurate within 250 to 400m.

Observations and soil profile numbers are located onto the field sheets in the field. Location is determined by map reading (with accuracy to 25m) and where this is not possible using Global Positioning Systems (with accuracy within 100m). Field sheets are digitised to 13m accuracy.

DQ Non Quantitative Attribute Correctness

Effective date

1997-01-20

Explanation

Soil landscape map units are individualised by unique combinations of soil type, topography, geology, vegetation, land use existing erosion/land degradation and constraints to development. The land and soil attributes in this product were predominately assessed from field observations and aerial photo interpretation.

Soil laboratory tests are undertaken for at least one representative sample for each soil material. Where possible, the chemical test methods adopted are the same as those in Raymond and Higginson (1992). Single test results provided for each soil material are intended as a guide only and variation in physical and chemical properties within each soil material should be anticipated.

Soils were examined and described in in the field. At each site, soil morphological data and site information were recorded on Soil and Land Information System (SALIS) cards. Sufficient field work was undertaken within each soil landscape to identify the range of soils present and to enable their distribution within the landscape to be described.

Responsible party

Contact position Data Broker

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

Telephone number 131555

Email address <u>data.broker@environment.nsw.gov.au</u>

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 <u>data.broker@environment.nsw.gov.au</u>

Web address https://www.nsw.gov.au/departments-and-agencies/dcceew

Responsible party role pointOfContact

Metadata date 2024-02-26T15:40:52.386796

Metadata language