Title

Soil Landscapes of the Armidale 1:100,000 Sheet

Abstract

This map is one of a series of soil landscape maps that are intended for all of eastern and central NSW, based on standard 1:100,000 or 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 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: King D, 2009, *Soil Landscapes of the Armidale 1:100,000 Sheet map and report*, NSW Department of Environment and Climate Change, Sydney.

Resource locator

Data Quality Statement

Name: Data Quality Statement

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

Description:

DQS - Soil Landscapes of the Armidale 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

GIS data

Name: GIS data

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

Description:

Download shapefile and ESRI layer file

Function: download

Soil landscape map

Name: Soil landscape map

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

Description:

Download high quality JPG map

Function: download

NSW Government Online Shop

Name: NSW Government Online Shop

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

Description:

Purchase hardcopy map 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
Soil landscape data package	Name: 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
Soil landscape reports	Name: Soil landscape reports Protocol: WWW:DOWNLOAD-1.0-http--download Description: Download complete soil landscape report & individual landscape descriptions. Function: download

Unique resource identifier

Code	08534ada-1732-47a6-8227-c9a4dfe49b72

Presentation form	Map digital
Edition	1.2
Dataset language	English

Metadata standard

Name	ISO 19115
Edition	2016
Dataset URI	https://datasets.seed.nsw.gov.au/dataset/08534ada-1732-47a6-8227-c9a4dfe49b72
Purpose	Support natural resource management and decision making.
Status	Completed

Spatial representation

Type	vector
Geometric Object Type	surface
Geometric Object Count	1528

Spatial reference system

Code	

identifying the spatial reference system	4283
Equivalent scale	1:None
Additional information source	**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; or (where simple process names do not exist) after environments where soil formation is influenced by current and recent processes. 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 **Available Formats** • View online using eSPADE Spatial viewer • Download JPG map, report or GIS ESRI shapefiles(.shp) & layer files (.lyr) from SEED data portal. • Purchase a hard-copy map from Shop.DPIE • Soil profile points data is also available in MS spreadsheet format by contacting the data custodians at soils@environment.nsw.gov.au

Topic category

Keyword set

keyword value	AGRICULTURE
	GEOSCIENCES-Geology
	GEOSCIENCES-Geomorphology
	HAZARDS-Flood
	HAZARDS-Landslip
	LAND-Topography
	SOIL
	SOIL-Chemistry
	SOIL-Erosion
	SOIL-Physics
	VEGETATION
Originating controlled vocabulary	
Title	ANZLIC Search Words
Reference date	2008-05-16

Geographic location

West bounding longitude	151.5
East bounding longitude	152
North bounding latitude	-31
South bounding latitude	-30.5

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	1998-01-01
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 firstly on the dominant geomorphic processes 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 scale black and white (1987) and 1:25,000 scale colour aerial photographs (1994 & 2001). LANDSAT thematic mapper and radiometric imagery were used to assist with perception and charting of provisional soil landscapes. These boundaries were transferred onto 1:25,000 topographic base maps. After field checking boundaries and detailed investigations of the soil, 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 processes. A colour has been allocated to each group.

Limitations on public access

Scope	dataset

DQ Completeness Commission

Effective date	2009-10-30
Explanation	All polygons in the GIS layer are labeled with a soil landscape code and other key soil attributes and limitations/qualities. Each soil landscape generally has at least six soil profile descriptions. Each soil landscape with difficult access has at least two soil profile descriptions. The number of soil profile descriptions and observations are within the recommended range specified in the Australian Soil and Land Survey Handbook (McDonald et al. 1990). Field, technical and general editing has occurred on this dataset.

DQ Completeness Omission

Effective date: 2001-01-01

DQ Conceptual Consistency

Effective date: 2009-10-30

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 by a peer soil surveyor or soils quality officer. Soil landscape boundaries have been checked and refined using iterative field and aerial photo checks.

DQ Topological Consistency

Effective date: 2009-10-30

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

DQ Absolute External Positional Accuracy

Effective date: 2009-10-30

Explanation: Observations and soil profiles were located using handheld GPS (accurate to 50m) or using 1:25,000 topographic maps. Soil boundaries on this 1:100,000 scale map are generally accurate to within 100m on the ground but variations will occur especially where soil boundaries are gradual and transitional.

DQ Non Quantitative Attribute Correctness

Effective date: 2009-10-30

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.

The soil material is a categorical attribute stated in the map legend (it is not mapped and consists of soil field morphological characteristics). The detailed description is recorded in the report that accompanies the soil landscape map sheet. The associated attribute accuracy as tested by Dewar et al. (1996) determined that soil landscapes predicted the distribution of the selected soil attributes, significant at the 95 percent confidence interval (CI).

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 Rayment and Higginson (1992). Single test results provided for each soil material are intended as a guide only, variation in physical and chemical properties within each soil material should be anticipated.

Soils were examined and described in detail at 379 sites. At each site, soil morphological data and site information was recorded on Soil Data Cards and later transferred into Soil and Land Information System (SALIS). In addition thousands of general soil and landscape observations and inspections were made over the 53 soil landscapes. Sufficient field work was undertaken within each soil landscape to identify the range of soil materials 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	data.broker@environment.nsw.gov.au
Web address	https://www.nsw.gov.au/departments-and-agencies/dcceew
Responsible party role	pointOfContact

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Metadata date

2024-02-26T13:38:02.871047

Metadata language