Title Soil Landscapes of the Kiama 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 Great Soil Group and Northcote classification systems.

Related Datasets: The dataset area is also covered by the mapping of the <u>Soil and Land Resources of the Hawkesbury-Nepean Catchment</u> and <u>Acid Sulphate Soil Risk Mapping</u>.

Online Maps: This and related datasets 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: Hazelton P.A., 1992, *Soil Landscapes of the Kiama 1:100,000 Sheet* map and report, Department of Conservation and Land Management, Sydney.

Resource locator

Data quality statement

Name: Data quality statement

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

Description:

DQS - Soil Landscapes of the Kiama 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

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

GIS data

Name: GIS data

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

Description:

Download shapefile and ESRI layer file

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

Soil landscape map Name: Soil landscape map

Protocol: WWW:DOWNLOAD-1.0-http--download Description: Download high quality JPG map Function: download Name: NSW Government Online Shop **NSW** Government Protocol: WWW:DOWNLOAD-1.0-http--download Online Shop Description: Purchase hardcopy map and report from Shop.DPIE website Function: download Name: Soil map information Soil map information Protocol: WWW:DOWNLOAD-1.0-http--download Description: Web page about soil maps in NSW. Function: download Name: Land and soil information 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 7d92ae87-d3a7-4cf2-b5bd-ce1214ed2301 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/7d92ae87-d3a7-4cf2-b5bd-ce1214ed2301 Purpose Support natural resource management and decision making. Status Completed Spatial representation vector Type Geometric surface **Object Type** Geometric 455 **Object Count**

Spatial reference system			
Code identifying the spatial reference system	4283		
Equivalent scale	1:None		
Additional	GIS Field name descriptions		
information source	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		
 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 contactin the data custodians at soils@environment.nsw.gov.au 			
Topic categor	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 contr	rolled vocabulary		
Title	ANZLIC Search Words		
Reference date			
Geographic lo			
West bounding lo	ongitude 150.501175		
East bounding lo	ongitude 151.001172		
_			

-34.99843

North bounding latitude			
South bounding latitude	-34.498425		
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	1988-01-01		
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 black and white aerial photographs 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 over 150 sites and inspected at many hundreds more over the 28 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). Over 140 soil samples were collected for laboratory analysis.

The GIS shapefile linework has been updated to reflect latest coastline and 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

1992-06-01

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 Handbook (Reid 1988). Soil landscape polygons less than 40 hectares and elongated 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

1992-06-01

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

1992-06-01

Explanation

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

DQ Absolute External Positional Accuracy

Effective date

1992-06-01

Explanation

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

1992-06-01

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

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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 2024-02-26T15:39:51.866769

Metadata language