Title

Soil Landscapes of the Singleton 1:250,000 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 the Great Soil Group and the Northcote classification systems.

Related Datasets: The dataset area is also covered by the mapping of the Soil and Land Resources of the Hawkesbury-Nepean Catchment, Soil and Land Resources of the Merriwa Plateau, Soil and Land Resources of the Hunter Region and Hydrogeological landscapes of NSW.

Online Maps: This and related datasets 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: Kovac M. and Lawrie J.M., 1991, *Soil Landscapes of the Singleton 1:250,000 Sheet* map and report, Soil Conservation Service of NSW, Sydney.

Resource locator

Data quality statement	Name: Data quality statement Protocol: WWW:DOWNLOAD-1.0-http--download Description: DQS - Soil Landscapes of the Singleton 1:250,000 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
Soil landscape map	Name: Soil landscape map Protocol: WWW:DOWNLOAD-1.0-http--download Description: Download high quality JPG map 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	e9251e39-7bd7-463e-b14c-492525df07d3

Presentation form	Map digital
Edition	1.0
Dataset language	English

Metadata standard

Name	ISO 19115
Edition	2016

Dataset URI	https://datasets.seed.nsw.gov.au/dataset/e9251e39-7bd7-463e-b14c-492525df07d3
Purpose	Support natural resource management and decision making.
Status	Completed

Spatial representation

Type	vector
Geometric Object Type	surface
Geometric Object Count	989

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
SOIL_GROUP - A broad classification based on the Great Soil Group system. It describes the major soil group for each soil landscape and is used to group landscapes for display purposes on the hard copy maps. SOIL_CODE - A string combining the soil group and the soil landscape code. The first two or three capitals letters are the soil group 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 and report 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
	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	150.001
East bounding longitude	151.501
North bounding latitude	-32.998
South bounding latitude	-31.998

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 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 compiled on 1:100,000 topographic base maps. After field checking and detailed investigations of the soil, the provisional soil landscapes were confirmed, amalgamated, or subdivided. The resulting soil landscapes are presented on the map at 1:250,000 scale in groups based on their dominant soil type. A colour has been allocated to each group.

At each site, soil mophological data and site information were recorded on Soil Data System cards. Soils were examined and described in detail at over 525 sites.

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	1991-12-01
Explanation	All polygons in the GIS layer are labeled with a soil landscape code and other key soil attributes. 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	1991-12-01

DQ Conceptual Consistency

Effective date	1991-12-01
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	1991-12-01
Explanation	ArcGIS was used to ensure all polygons in the shapefile are topologically correct.

DQ Absolute External Positional Accuracy

Effective date	1991-12-01
Explanation	Observations and soil profile numbers are located onto the field sheets in the field. Location is determined by map reading or a Global Positioning System (both with accuracy to 100m). Field sheets are digitised to 50m accuracy.

DQ Non Quantitative Attribute Correctness

Effective date	1991-12-01
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. Soils were examined and described in in the field. At each site, soil morphological data and site information were recorded on datacards and checked before being entered in the Soil Data System.

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

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Metadata language