

Title

Soil Landscapes of the Canberra 1:100,000 Sheet

Abstract

This map is one of a series of soil landscape products 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.

Related Datasets: The dataset area is also covered by the mapping of the [Soil and Land Resources of the Australian Capital Territory Catchment \(ACT\)](#).

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: Jenkins B.R., 2000, *Soil Landscapes of the Canberra 1:100,000 Sheet* map and report, 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 Canberra 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 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

[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 290d956c-98a9-442c-a63f-dd9ada40b000

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/290d956c-98a9-442c-a63f-dd9ada40b000>

Purpose Support natural resource management and decision making.

Status Completed

Spatial representation

Type vector

Geometric Object Type surface

Geometric Object Count 621

Spatial reference system

Code identifying the spatial reference system	4283
Equivalent scale	1:None
Additional information source	<p>GIS Field name descriptions</p> <p>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</p> <p>Available Formats</p> <ul style="list-style-type: none"> • 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 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	149.001204
East bounding longitude	149.501202
North bounding latitude	-35.498443
South bounding latitude	-34.998438

NSW Place Name	Canberra 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	1992-01-01
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	<p>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 1985 1:40,000 black and white and 1992 1:25,000 colour aerial photographs. LANDSAT thematic mapper imagery was used to assist with perception and charting of provisional soil landscapes. These boundaries were transferred onto 1:25,000 topographic base maps.</p> <p>After field checking 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 processes. A colour has been allocated to each group.; ; The GIS shapefile linework has been updated to reflect the latest hydrology data. Therefore small differences will occur between the shapefile and hard copy map.</p>
Limitations on public access	
Scope	dataset
DQ Completeness Commission	
Effective date	2000-05-01
Explanation	The dataset is complete for the entire 1:100,000 map sheet. 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 (Reid, 1988). Soil landscape polygons less than 40 ha and elongated polygons less than 300 m wide are generally not shown unless they are locally significant. Continuity with other soil landscape maps is ensured by plotting boundaries up to 5 km beyond the perimeter of the mapping area.

DQ Completeness Omission

Effective date 2000-05-01

DQ Conceptual Consistency

Effective date 2000-05-01

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.

DQ Topological Consistency

Effective date 2000-05-01

Explanation Logical consistency of vector data was assessed at the time of map digitisation and ArcGIS was used to ensure all polygons in the shapefile are topologically correct.

DQ Absolute External Positional Accuracy

Effective date 2000-05-01

Explanation Cadastral data is from the AUSLIG 1:100,000 Series. Polygon and soil profile data is determined in the field using either a GPS or 1:25,000 GMA topographic map with accuracy to 25m. Boundaries have been checked and refined using an iterative field edit as well as air photo checks. Solid line boundaries are accurate generally within 100 m. Generally, dashed line boundaries are accurate within 100 - 250 m, and indicate boundaries that are diffues or difficult to identify.

DQ Non Quantitative Attribute Correctness

Effective date 1900-01-01

Explanation Soils were examined and described in detail at nearly 500 sites, and observed and inspected at over 1000 sites for the 34 soil landscapes. At each described site, soil morphological data and site information were recorded on Soil Data System cards. At the inspection sites, the correct landscape classification was confirmed. Soil descriptions were made from road cuttings, quarries, drains, pits and augured holes. This is within the recommended range of ground observation densities specified in the Australian Soil and Land Survey Handbook (McDonald et al. 1990).

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.

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.

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 2024-02-26T15:41:57.747797

Metadata language