## Title

Soil Landscapes of the Cootamundra 1:250,000 Sheet

## Abstract

This map is one of a series of soil landscape maps that are intended for central NSW, based on standard 1:250,000 topographic sheets. The map and accompanying report 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 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:** Andersson K. and McNamara M., 2009, *Soil Landscapes of the Cootamundra 1:250,000 Sheet* map and report. NSW Department of Environment, Climate Change and Water, Sydney.

## Resource locator

Data Quality Statement

Name: Data Quality Statement

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

Description:

Data quality statement for Soil Landscapes of the Cootamundra 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

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 report

Name: Soil landscape report

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

Description:

Download complete soil landscape report & individual map unit reports

Function: download

Soil landscape map

Name: Soil landscape map

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

Description:

| | |
|---|---|
| | Download high quality JPG map<br>Function: download |
| NSW Government Online Shop | Name: NSW Government Online Shop<br>Protocol: WWW:DOWNLOAD-1.0-http--download<br>Description:<br>Purchase hardcopy map from Shop.DPIE website<br>Function: download |
| Soil map information | Name: Soil map information<br>Protocol: WWW:DOWNLOAD-1.0-http--download<br>Description:<br>Web page about soil maps in NSW.<br>Function: download |
| Land and soil information | Name: Land and soil information<br>Protocol: WWW:DOWNLOAD-1.0-http--download<br>Description:<br>Web page about land and soil information in NSW.<br>Function: download |

## Unique resource identifier

| | |
|---|---|
| Code | 99cbcf59-aac4-4a59-aee7-10a81b70173a |

| | |
|---|---|
| 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/99cbcf59-aac4-4a59-aee7-10a81b70173a |
| Purpose | Support natural resource management and decision making. |
| Status | Completed |

## Spatial representation

| | |
|---|---|
| Type | vector |
| Geometric Object Type | surface |
| Geometric Object Count | 1914 |

## Spatial reference system

| | |
|---|---|
| Code | |

| | |
|---|---|
| identifying the spatial reference system | 4283 |
| Spatial resolution | 250 m |
| Additional information source | **GIS Field name descriptions**<br><br>CODE - Soil landscape code<br>NAME - Soil landscape name<br>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.<br>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.<br>VERSION - Version number<br><br>**Available Formats**<br><br>• View online using eSPADE Spatial viewer<br>• Download JPG map, report or GIS ESRI shapefiles(.shp) & layer files (.lyr) from SEED data portal.<br>• Purchase a hard-copy map from Shop.DPIE<br>• 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

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|---|---|
| West bounding longitude | 147.001 |
| East bounding longitude | 148.519 |
| North bounding latitude | -35.008 |
| South bounding latitude | -33.989 |

| | |
|---|---|
| NSW Place Name | Cootamundra 1:250,000 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 | As needed |
| 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 1:50,000-scale black and white aerial photographs for the Young (1989), Cootamundra (1986), Temora (1978), Junee (1991) and Coolamon (1991) 1:100,000 map sheets,and 1:25,000-scale colour aerial photographs for the Barmedman (1998) 1:100,000 map sheet. These boundaries were delinated on 1:100,000 topographic base maps for field observation and editing.

Geoscience Australia's 2001 airborne radiometrics imagery (at 400 m spacing) was used to assist with the refining of soil landscape boundaries. 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 1:250,000 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 | 2009-12-01 |
| 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 Conceptual Consistency

| | |
|---|---|
| Effective date | 2009-12-01 |
| 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 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

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|---|---|
| Effective date | 1900-01-01 |
| Explanation | ArcGIS was used to ensure all polygons in the shapefile are topologically correct. |

DQ Absolute External Positional Accuracy

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|---|---|
| Effective date | 2009-12-01 |
| Explanation | Observations and soil profiles were located using handheld GPS or using 1:100,000 topographic maps (accurate to 20-100m). Soil boundaries on this 1:250,000 scale map is generally accurate to within 250m on the ground but variations will occur especially where soil boundaries are diffuse or difficult to identify. |

DQ Non Quantitative Attribute Correctness

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|---|---|
| Effective date | 2009-12-01 |
| 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.<br><br>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).<br><br>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 and variation in physical and chemical properties within each soil material should be anticipated.<br><br>Soils were examined and described in detail at 728 sites. At each site, soil morphological data and site information were recorded on Soil and Land Information System (SALIS) cards. In addition 700 soil and landscape observations and inspections were made over the 97 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

2024-02-26T13:18:40.286994

## Metadata language