# Title Soil Landscapes of the Curlewis 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 Liverpool Plains Catchment</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:** Banks, R.G., 1994. *Soil Landscapes of the Curlewis 1:100,000 Sheet* map, edition 1, NSW Department of Conservation and Land Management, Sydney.

Banks, R.G., 1995. Soil Landscapes of the Braidwood 1:100,000 Sheet report, edition 1, NSW 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 Curlewis 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

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 Name: Soil landscape map Soil landscape map Protocol: WWW:DOWNLOAD-1.0-http--download Description: Download high quality JPG map Function: download Name: Soil landscape reports Soil landscape reports Protocol: WWW:DOWNLOAD-1.0-http--download Description: Download complete soil landscape report & individual landscape descriptions Function: download Name: Soil landscape data package 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 Unique resource identifier Code 1fc4eca3-f68c-40ce-87d0-d67915384f2c Presentation Map digital form Edition 1.0 Dataset **English** language Metadata standard Name ISO 19115 Edition 2016 Dataset URI https://datasets.seed.nsw.gov.au/dataset/1fc4eca3-f68c-40ce-87d0-d67915384f2c Purpose Support natural resource management and decision making. **Status** Completed Spatial representation Type vector Geometric surface Object Type Geometric 355

Charlal artes	noe evetem		
Spatial refere	nce 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  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		
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Keyword set	AGRICULTURE GEOSCIENCES-Geology GEOSCIENCES-Geomorphology HAZARDS-Flood HAZARDS-Landslip LAND-Topography SOIL		
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North bounding latitude	-31.49843		
South bounding latitude	-30.998426		
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	1990-01-01		
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		
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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 then 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 265 sites and inspected at many hundreds more over the 37 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). 325 soil samples were collected for laboratory analysis.

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

1995-06-01 date

Each soil landscape generally has a representative profile (type profile) for each sub-Explanation

landscape (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

2001-01-10

**DQ Conceptual Consistency** 

Effective date

1995-06-01

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

1995-06-01

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

DQ Absolute External Positional Accuracy

Effective

1995-06-01 date

Observations and soil profile numbers are located onto the field sheets in the field. Explanation

> 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.

DO Non Quantitative Attribute Correctness

Effective

date

1995-06-01

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

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Web address <a href="https://www.nsw.gov.au/departments-and-agencies/dcceew">https://www.nsw.gov.au/departments-and-agencies/dcceew</a>

Responsible party role pointOfContact

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Responsible party role pointOfContact

Metadata date 2024-08-12T03:19:19.689264

Metadata language