

**Title**

Soil Landscapes of the Macksville-Nambucca 1:100,000 Sheets

**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 Australian Soil Classification and the Great Soil Group systems.

**Related Datasets:** The dataset area is also covered by the mapping of [Acid Sulphate Soil Risk Mapping](#).

**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:** Eddie M.W., 1999, *Soil Landscapes of the Macksville-Nambucca 1:100,000 Sheets* map and report, NSW 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 Macksville-Nambucca 1:100,000 Sheets

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 &amp; 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

[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

## Unique resource identifier

Code           abb3168f-8d2e-44dd-a5e8-bf191ad39747

**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/abb3168f-8d2e-44dd-a5e8-bf191ad39747>

**Purpose**           Support natural resource management and decision making.

**Status**           Completed

## Spatial representation

**Type**            vector

**Geometric  
Object Type**     surface

**Geometric  
Object Count**   1547

## 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

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](mailto:soils@environment.nsw.gov.au)

## Topic category

## Keyword set

keyword value

AGRICULTURE

GEOSCIENCES-Geology

GEOSCIENCES-Geomorphology

HAZARDS-Flood

HAZARDS-Landslip

LAND-Geography

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 148.501173

East bounding longitude 149.00117

-31.998437

North bounding latitude	-31.498434
South bounding latitude	-31.498434
NSW Place Name	Macksville and Nambucca 1:100,000 map sheets
<b>Vertical extent information</b>	
Minimum value	-100
Maximum value	2228
Coordinate reference system	
Authority code	urn:ogc:def:cs:EPSG::
Code identifying the coordinate reference system	5711
<b>Temporal extent</b>	
Begin position	1994-01-07
End position	N/A
<b>Dataset reference date</b>	
<b>Resource maintenance</b>	
Maintenance and update frequency	Unknown
<b>Contact info</b>	
Contact position	Data Broker
Organisation name	NSW Department of Climate Change, Energy, the Environment and Water
Telephone number	131555
Email address	<a href="mailto:data.broker@environment.nsw.gov.au">data.broker@environment.nsw.gov.au</a>
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
<b>Lineage</b>	<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 1:25,00 scale colour aerial photographs. LANDSAT thematic mapper imagery was used to assist with perception and charting of provisional soil landscapes. These boundaries were transferred onto 1:25,00 topographic base maps. After field checking boundaries and detailed investigations of the soil, 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.</p> <p>Soils were examined and described in detail at over 264 sites. At each site, soil morphological data and site information was recorded on Soil Data System cards. 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.</p> <p>The GIS shapefile linework has been updated to reflect latest hydrology data. Therefore small differences will occur between the shapefile and hard copy map.</p>
<b>Limitations on public access</b>	

Scope	dataset
<b>DQ Completeness Commission</b>	
Effective date	1999-01-01
Explanation	<p>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 hectares, and elongated polygons less than 300 m wide are generally not shown unless they are unusually significant.</p> <p>Spatially completed soil landscape map data and field verified.</p>
<b>DQ Completeness Omission</b>	
Effective date	1900-01-10
<b>DQ Conceptual Consistency</b>	
Effective date	1999-01-01
Explanation	<p>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.</p>
<b>DQ Topological Consistency</b>	
Effective date	1999-01-01
Explanation	<p>ArcGIS was used to ensure all polygons in the shapefile are topologically correct.</p>
<b>DQ Absolute External Positional Accuracy</b>	
Effective date	1999-01-01
Explanation	<p>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.</p> <p>Boundaries between soil landscapes are shown as solid lines where they could be delineated reliably and as broken lines where they are more diffuse or difficult to identify.</p>
<b>DQ Non Quantitative Attribute Correctness</b>	
Effective date	1999-01-01
Explanation	<p>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.</p> <p>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.</p> <p>Soils were examined and described 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.</p>

## Responsible party

Contact position	Data Broker
Organisation name	NSW Department of Climate Change, Energy, the Environment and Water
Telephone number	131555
Email address	<a href="mailto:data.broker@environment.nsw.gov.au">data.broker@environment.nsw.gov.au</a>
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

## Metadata point of contact

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Telephone number	131555
Email address	<a href="mailto:data.broker@environment.nsw.gov.au">data.broker@environment.nsw.gov.au</a>
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

**Metadata date** 2024-02-26T13:43:10.462658

**Metadata language**