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|-----------------|--|
| <b>Title</b>    | Soil Landscapes of the Wingham and Camden Haven 1:100,000 Sheets   |
| <b>Abstract</b> | <p>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 Wingham and Camden Haven 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.</p> <p><b>Related Datasets:</b> The dataset area is also covered by the mapping of <a href="#">Soil and Land Resources of the Hunter Region</a> and <a href="#">Acid Sulphate Soil Risk Mapping</a>.</p> <p><b>Online Maps:</b> This and related datasets can be viewed using <a href="#">eSPADE</a> (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 <a href="#">SEED Map</a>; an ideal way to see what other natural resources datasets (e.g. vegetation) are available for this map area.</p> <p><b>Reference:</b> Eddie, M., 2018, <i>Soil Landscapes of the Wingham and Camden Haven 1:100,000 Sheets</i> map and report, NSW Office of Environment and Heritage, Sydney.</p> |

## Resource locator

### [Data quality statement](#)

Name: Data quality statement

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

Description:

DQS - Soil Landscapes of the Wingham and Camden Haven 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

### [GIS data](#)

Name: GIS data

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

Description:

Download shapefile and ESRI layer file

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 reports](#)

Name: Soil landscape reports

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

Description:

Download complete soil landscape report & individual landscape descriptions.

Function: download

[Soil landscape data package](#)

Name: Soil landscape data package

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

Description:

Download complete package: GIS data and soil landscape reports.

Function: download

### Unique resource identifier

Code 3e40e7a8-abbd-4b4e-8295-14a1378ccbd3

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/3e40e7a8-abbd-4b4e-8295-14a1378ccbd3>

Purpose Support natural resource management and decision making.

Status Completed

### Spatial representation

Type vector

Geometric Object Type surface

Geometric Object Count 2548

### Spatial reference system

Code identifying the spatial reference system 4283

Spatial resolution 100 m

### 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 code and the soil landscape code. The first two capital letters are the process groups abbreviation and the remaining letters are the soil landscape code. SALIS\_CODE - 1:100,000 map sheet number and soil landscape code. This forms the unique identifier code for the Soil Landscape Series.  
 VERSION - Version number

**Available Formats**

- View online using [eSPADE](#) Spatial viewer
- Download GIS ESRI shapefiles(.shp) & layer files (.lyr) and reports from [SEED](#) data portal.
- 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-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 | 152   |
| East bounding longitude | 153   |
| North bounding latitude | -32   |
| South bounding latitude | -31.5   |
| NSW Place Name          | Wingham and Camden Haven 1:100,000 map sheets |

**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                  |

|  |   |
|--|---|
| <b>Temporal extent</b>   |   |
| Begin position   | 1983-08-01  |
| 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 1997 1:25,000 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 1:25,000 topographic base maps. After field checking boundaries and detailed investigations of the soil, the provisional landscapes were confirmed, amalgamated or sub-divided. Linework was digitised and several revisions occurred prior to publishing using SPOT satellite imagery, digital elevation models and ADS40 photography. The final linework has been updated to reflect latest coastline and hydrology mapping.</p> <p>Soils were examined and described in detail at over 601 sites. At each site, soil morphological data and site information were recorded on SALIS Soil Data 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 resulting soil landscapes are published as a map at 1:100,000 scale and in groups based on their dominant geomorphic processes.</p> |   |
| <b>Limitations on public access</b>  |   |

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|--|--|
| Scope  | dataset  |
| <b>DQ Completeness Commission</b>                |  |
| Effective date                                   | 2021-02-15   |
| Explanation                                      | Each soil landscape generally has at least six soil profile descriptions or observations. 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).   |
| <b>DQ Completeness Omission</b>                  |  |
| Effective date                                   | 1900-01-01   |
| <b>DQ Conceptual Consistency</b>                 |  |
| Effective date                                   | 2021-02-15   |
| 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.   |
| <b>DQ Topological Consistency</b>                |  |
| Effective date                                   | 2021-02-15   |
| Explanation                                      | ArcGIS was used to ensure all polygons in the shapefile are topologically correct.   |
| <b>DQ Absolute External Positional Accuracy</b>  |  |
| Effective date                                   | 2021-02-15   |
| Explanation                                      | Boundaries between soil landscapes are drawn as solid lines and are generally accurate to within 100m.<br><br>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 10m).   |
| <b>DQ Non Quantitative Attribute Correctness</b> |  |
| Effective date                                   | 2021-02-15   |
| 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>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.<br><br>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   |
| 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

|                        |   |
|------------------------|---|
| 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 date** 2024-10-28T05:09:56.760279

**Metadata language**