Title	Soil Landscapes of the Wingham and Camden Haven 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 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.

Related Datasets: The dataset area is also covered by the mapping of Soil and Land Resources of the Hunter Region and 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., 2018, *Soil Landscapes of the Wingham and Camden Haven 1:100,000 Sheets*) map and report, NSW Office of Environment and Heritage, Sydney.

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

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

Temporal extent

Begin position	1983-08-01
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

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.

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.

The resulting soil landscapes are published as a map at 1:100,000 scale and in groups based on their dominant geomorphic processes.

Limitations on public access

Scope	dataset

DQ Completeness Commission

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).

DQ Completeness Omission

Effective date	1900-01-01

DQ Conceptual Consistency

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.

DQ Topological Consistency

Effective date	2021-02-15
Explanation	ArcGIS was used to ensure all polygons in the shapefile are topologically correct.

DQ Absolute External Positional Accuracy

Effective date	2021-02-15
Explanation	Boundaries between soil landscapes are drawn as solid lines and are generally accurate to within 100m. 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).

DQ Non Quantitative Attribute Correctness

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. 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
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

2024-03-24T23:11:10.591572

Metadata language