Title

Soil Landscapes of the Blackville 1:100,000 Sheet

Abstract

This map is one of a series of soil landscape maps that are intended for all of eastern and central NSW, based on standard 1:100,000 or 1:250,000 topographic sheets. The map provides an inventory of soil and landscape properties of the Blackville 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 Australian Soil Classification and Great Soil Group systems.

Related Datasets: The dataset area is also covered by the mapping of the Soil and Land Resources of the Liverpool Plains Catchment and Hydrogeological landscapes of NSW.

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: Banks RG, 1998, Soil Landscapes of the Blackville 1:100,000 Sheet 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 Blackville 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
GIS data	Name: GIS data Protocol: WWW:DOWNLOAD-1.0-http--download Description: Download shapefile and ESRI layer file 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
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
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

Unique resource identifier

Code	2090ffe3-f397-44a6-89b9-6cb1f6eda439

Presentation form	Document digital
Edition	1.0
Dataset language	English

Metadata standard

Name	ISO 19115
Edition	2016

Dataset URI	https://datasets.seed.nsw.gov.au/dataset/2090ffe3-f397-44a6-89b9-6cb1f6eda439
Purpose	Support natural resource management and decision making.
Status	Completed

Spatial representation

Type	vector
Geometric Object Type	surface
Geometric Object Count	775

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 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

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	150.001149
East bounding longitude	150.501146
	-31.99843

North bounding latitude	
South bounding latitude	-31.498427

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	1996-02-01
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 1984 1:40,000 scale black and white aerial photographs. LANDSAT Thematic Mapper false colour imagery, Airborne Gamma Radiometrics images and data, and ground electromagnetic induction (EMI) surveys were also used to help 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 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 processes. A colour has been allocated to each group.

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 date	1998-01-01
Explanation	The dataset is complete for the entire 1:100,000 map sheet. 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 ha and elongated polygons less than 300 m wide are generally not shown unless they are locally significant. Continuity with other soil landscape maps is ensured by plotting boundaries up to 5 km beyond the perimeter of the mapping area.

DQ Completeness Omission

Effective date	2009-01-10

DQ Conceptual Consistency

Effective date	1998-01-01
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.

DQ Topological Consistency

Effective date	1998-01-01
Explanation	Logical consistency of vector data was assessed at the time of map digitisation and ArcGIS was used to ensure all polygons in the shapefile are topologically correct.

DQ Absolute External Positional Accuracy

Effective date	1998-01-01
Explanation	Polygon and soil profile data is determined in the field using either a GPS or 1:25 000 CMA topographic map with accuracy to 25 m. Boundaries have been checked and refined using an iterative field edit as well as air photo checkss. Solid line boundaries are accurate generally within 100 m. Generally, dashed line boundaries are accurate within 100-250 m, and indicate boundaries that are diffuse or difficult to identify.

DQ Non Quantitative Attribute Correctness

Effective date	1998-01-01
Explanation	Soils were examined and described in detail at over 191 sites, and observed and inspected at many hundreds of observations over the 30 soil landscapes. At each described site, soil morphological data and site information were recorded on Soil and Land Information System cards. At the inspection sites the correct landscape classification was confirmed. Soil descriptions were made on road cuttings, quarries, drains, pits, auger holes and core samples. This is within the recommended range of ground observation densities specified in the Australian Soil and Land Survey Handbook (McDonald et al. 1990). Over 235 samples were collected for laboratory analysis. At least one sample was tested from each of the 128 soil materials identified. 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

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	data.broker@environment.nsw.gov.au
Web address	https://www.nsw.gov.au/departments-and-agencies/dcceew
Responsible party role	pointOfContact

Metadata date

2024-08-12T03:17:27.208082

Metadata language