

Title

Soil and Land Resources of the Liverpool Plains Catchment

Abstract

This product contains natural resource mapping for the Liverpool Plains Catchment. This mapping was undertaken to enhance knowledge of soils, landscapes and physical constraints to land use in the urban and rural environment. The information informs decision-making and planning throughout the catchment.

Each soil landscape is an inventory of soil and landscape information with relatively uniform land management requirements, allowing major soil and landscape qualities and constraints to be identified. Soils are described using the Australian Soil Classification and the Great Soil Groups systems.

Related Datasets: The dataset area is also covered by the Soil landscape 1:000 000 mapping series for the mapsheets of [Curlewis](#), [Tamworth](#), [Murrurundi](#) and [Blackville](#).

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: Office of Environment and Heritage, 2012, *Soil and Land Resources of the Liverpool Plains Catchment*, 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 and land resources of the Liverpool Plains Catchment

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 and land resource data package](#)

Name: Soil and land resource data package

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

Description:

Download data package: shapefile and PDF reports.

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	79b408ee-9893-43d2-903c-731c494ee0eb
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/79b408ee-9893-43d2-903c-731c494ee0eb
Purpose	Support natural resource management and decision making.
Status	Completed
Spatial representation	
Type	vector
Geometric Object Type	surface
Geometric Object Count	3649
Spatial reference system	
Code identifying the spatial reference system	4283
Equivalent scale	1:None
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	149.519852
East bounding longitude	150.999069
North bounding latitude	-31.858325
South bounding latitude	-30.568082
NSW Place Name	Liverpool Plains
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	2009-01-01
End position	N/A
Dataset reference date	
Resource maintenance	
Maintenance and update frequency	As needed
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

The mapping undertaken by the NSW Government (Department of Conservation and Land Management, Department of Land and Water Conservation and NSW Department of Environment and Climate Change and Water) was created using:

- existing published soil landscape mapping (Curlewis, Blackville, Tamworth, Baan Baa - Liverpool Plains portion and Murrurundi 1:100,000 map sheets)
- existing draft soil landscape mapping (parts of Tambar Springs, Boggabri, Manilla and Coolah 1:100,000 sheets within the Liverpool Plains Catchment)

For all datasets, 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 1:40,000 scale black and white and/or 1:25,000 scale colour aerial photographs. LANDSAT thematic mapper and radiometric imagery were 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.

Soils have been examined and described in detail at over 1,800 sites. 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.

A recent desktop review of all soil landscape units has occurred redefining and amending some original published and draft units.

Limitations on public access

Scope	dataset
DQ Completeness Commission	
Effective date	2018-03-14
Explanation	All polygons in the GIS layer are labeled with a unique soil landscape MasterCode (Code) and MasterName (Name), Dominant Geomorphic process group (Process_D) and subdominant geomorphic process group (Process_SD) and other key soil attributes and limitations/qualities. All soil landscapes have an associated soil PDF report. Field, technical and general editing has occurred on this dataset.
DQ Completeness Omission	
Effective date	2018-03-14
DQ Conceptual Consistency	
Effective date	2018-03-14
Explanation	Map unit concepts and polygons, major soil types and soil landscape descriptions have been field verified 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	2018-03-14
Explanation	ArcGIS was used to ensure all polygons in the shapefile are topologically correct. All polygons have a unique identifier.
DQ Absolute External Positional Accuracy	
Effective date	2018-03-14
Explanation	Soil boundaries on this 1:100,000 scale map is generally accurate to within 100m on the ground but variations will occur especially where soil boundaries are gradual. Observations and soil profiles were located using handheld GPS (accurate to 50m) or using 1:25,000 topographic maps.
DQ Non Quantitative Attribute Correctness	
Effective date	2018-03-14
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 using field observations, remote sensing interpretation (satellite, radiometric and aerial photos) and laboratory analysis of dominant soil type profiles.
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 2024-02-26T13:36:38.308271

Metadata language