Title Soil Landscapes of the Coffs Harbour 1:100,000 Sheet

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 Great Soil Group and Northcote classification systems.

Related Datasets: The dataset area is also covered by the mapping of <u>Acid Sulphate Soil Risk Mapping</u>.

Online Maps: This and related datasets can be viewed using <u>eSPADE</u> (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 <u>SEED Map</u>; an ideal way to see what other natural resources datasets (e.g. vegetation) are available for this map area.

Reference: Milford H.B., 1999, *Soil Landscapes of the Coffs Harbour 1:100,000 Sheet* map and report, NSW Department of Land and Water Conservation, Sydney.

Resource locator

<u>Data Quality</u> Statement Name: Data Quality Statement

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

Description:

DQS - Soil Landscapes of the Coffs Harbour 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

NSW Government Online Shop Name: NSW Government Online Shop

 ${\bf Protocol: WWW:DOWNLOAD-1.0-http--download}$

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 map Name: Soil landscape map

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

Description: Download high quality JPG map Function: download Name: GIS data GIS data Protocol: WWW:DOWNLOAD-1.0-http--download Description: Download shapefile and ESRI layer file Function: download Name: Soil landscape data package 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 Name: Soil landscape reports 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 d6f38321-035c-4ed2-a054-89286cdefcb8 Presentation Map digital form Edition 1.0 **Dataset English** language Metadata standard Name ISO 19115 Edition 2016 Dataset URI https://datasets.seed.nsw.gov.au/dataset/d6f38321-035c-4ed2-a054-89286cdefcb8 Purpose Support natural resource management and decision making. **Status** Completed Spatial representation Type vector Geometric surface Object Type Geometric 670 **Object Count**

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	
T	 View online using <u>eSPADE</u> Spatial viewer Download JPG map, report or GIS ESRI shapefiles(.shp) & layer files (.lyr) from <u>SEED</u> data portal. Purchase a hard-copy map and report from <u>Shop.DPIE</u> Soil profile points data is also available in MS spreadsheet format by contacting the data custodians at soils@environment.nsw.gov.au 	
Topic category	у	
Keyword set		
keyword value	AGRICULTURE	
	GEOSCIENCES-Geology	
	GEOSCIENCES-Geomorphology	
	HAZARDS-Flood	
	HAZARDS-Landslip	
	LAND-Topography SOIL	
	SOIL-Chemistry	
	SOIL-Erosion	
	SOIL-Physics	
	VEGETATION	
Originating contro		
Title	ANZLIC Search Words	
Reference date	2008-05-16	
Geographic lo		
West bounding lo		
East bounding lor	naitude 152 501070	
	ngitude 153.501079	

-30.498409

North bounding latitude	
South bounding latitude	-29.998404
NSW Place Name	Coffs Harbour 1:100,000 map sheet
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	1988-01-01
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 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. 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.

Soils were examined and described in detail. At each site, soil morphological data and site information were 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.

The GIS shapefile linework has been updated to reflect latest coastline and 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

2001-01-01

Explanation

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 hectatres, and elongated polygons less than 300 m wide are generally not shown unless they are unusually significant.

DQ Completeness Omission

Effective date

2001-01-01

DQ Conceptual Consistency

Effective date

1900-01-01

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

1900-01-01

Explanation

ArcGIS was used to ensure all polygons in the shapefile are topologically correct.

DQ Absolute External Positional Accuracy

Effective date

1900-01-01

Explanation

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.

DQ Non Quantitative Attribute Correctness

Effective

date

1900-01-01

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 <u>data.broker@environment.nsw.gov.au</u>

Web address https://www.nsw.gov.au/departments-and-agencies/dcceew

Responsible party role pointOfContact

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Metadata date 2024-02-26T13:04:10.065167

Metadata language