

Title

NSW soil profiles

Abstract

Statewide dataset of soil profiles, comprising (at time of writing) ~73,000 separate observations of soil physical and chemical characteristics, along with (in most cases) information about the landscape in which they occur (including landform, geology, vegetation, hydrology, land use and land degradation). Data is added by both NSW Government agencies and members of the wider NSW community using standardised Soil Data Cards, an internet application called eDIRT and is stored in the NSW Soil and Land Information System (SALIS).

Online Maps: Part of this area is also covered by other soil mapping products, see the soil map index in [eSPADE](#). eSPADE 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: NSW Soil and Land Information System (SALIS) database, NSW Office of Environment and Heritage, MSOL 2012, accessed {insert date of access}.

Resource locator

[Data quality statement](#)

Name: Data quality statement

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

Description:

Download the data quality statement.

Function: download

[Show on eSPADE Web Map](#)

Name: Show on eSPADE Web Map

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

Description:

View dataset in eSPADE spatial viewer

Function: download

[Connect to eDIRT](#)

Name: Connect to eDIRT

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

Description:

Access the eDIRT system to add new data to the NSW Soil Profiles dataset

Function: download

[Connect to SALIS](#)

Name: Connect to SALIS

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

Description:

Access this dataset through the NSW Soil and Land Information System (SALIS) [requires a valid account]

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:

Function: download

Unique resource identifier

Code f66743bf-d395-4ab2-be41-87eae5009acc

Presentation form Map digital

Edition 2

Dataset language English

Metadata standard

Name ISO 19115

Edition 2016

Dataset URI <https://datasets.seed.nsw.gov.au/dataset/f66743bf-d395-4ab2-be41-87eae5009acc>

Purpose To describe the physical and chemical characteristics of the soils of NSW and thereby aid in their conservation and sustainable use and management. This dataset fulfils a requirement of Part 2, 4C of the NSW Soil Conservation Act (1938) for the NSW Government to maintain a repository of information about the soils of NSW.

Status On going

Spatial representation

Type vector

Geometric Object Type point

Geometric Object Count 73

Spatial reference system

Code identifying the spatial reference system 4283

Equivalent scale 1:None

Additional information source This dataset uses attributes and values defined in both the eDIRT User Manual for the Digital Infield Regolith Tool (eDIRT) version 1.1, available at <http://www.environment.nsw.gov.au/edirtwebapp/app/views/helps/help.pdf> and the Soil Data Entry Handbook, 3rd Edition (Milford et al. 2001), available at <http://www.environment.nsw.gov.au/resources/soils/salissoildataentryhandbook.pdf>. Both documents represent the State standard and are broadly compliant with the National standard as defined in the Australian Land and Soil Survey Field Handbook (McDonald et al. 1990). Approximately two thirds of the dataset is Publicly available and can be supplied outside the Department. The remainder of the dataset consists of Internal data (for Departmental use only) and Confidential data (held in confidence by the Department on behalf of its owner(s)).

Topic category

Keyword set	
keyword value	SOIL SOIL-Erosion SOIL-Chemistry SOIL-Physics SOIL-Biology
Originating controlled vocabulary	
Title	ANZLIC Search Words
Reference date	2008-05-16
Geographic location	
West bounding longitude	141
East bounding longitude	154
North bounding latitude	-37.5
South bounding latitude	-28
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	1950-01-01
End position	N/A
Dataset reference date	
Resource maintenance	
Maintenance and update frequency	Continual
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

This data set has resided in various databases with the following history of development. Originally data was stored in the NSW Soil Data System (SDS), an Informix SQL system introduced in 1988. Subsequently in 2000, the NSW SDS was succeeded by the first version of SALIS, a Centura client-server application with an Oracle Spatial database. This system was developed through successive versions over the next fifteen years, until its final iteration (SALIS 4) was replaced in 2015 by SALIS 5, a thin-client Microsoft .NET application over a Microsoft SQLserver database.

Limitations on public access

Scope dataset

DQ Non Quantitative Attribute Correctness

Effective date 2014-12-14

Explanation Audit of various attributes across the entire system pre system migration to SALIS 5.

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>

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Metadata date 2024-02-26T13:47:43.072284

Metadata language