Title	Estimated Inherent Soil Fertility of NSW
Abstract	This map provides an estimation of the inherent fertility of soils in NSW. It uses the best available soils and natural resource mapping developed for the Land and Soil Capability (LSC) dataset. The mapping describes soil fertility in NSW according to a five class system outlined below: Low (1) Moderately low (2) Moderate (3) Moderately high (4) High (5) It was derived from a lookup table system linking a fertility class to a particular soil type (Great Soil Group), which was then attributed for each map unit (see Table 1).
Resource locator	
Soil InherentSoilFertilityofNSW	Name: Soil InherentSoilFertilityofNSW Protocol: WWW:DOWNLOAD-1.0-http--download Function: download
Unique resource identifier	
Code	03acbad7-6a3e-4cfe-bc71-ec65d1a505de
Presentation form	Document digital
Dataset language	English
Metadata standard	
Name	ISO 19115
Edition	2016
Dataset URI	https://ckan-uat.stage.lz.seed.nsw.gov.au/dataset/03acbad7-6a3e-4cfe-bc71-ec65d1a505de
Purpose	This map communicates the estimated inherent soil fertility of dominant soil types in NSW. It is one of the primary datasets used to create the regional Biophysical Strategic Agricultural Land (BSAL) maps under the NSW Government's Strategic Regional Land Use Policy.
Status	Completed
Spatial representation	
Type	vector
Spatial reference system	
Code identifying the spatial reference system	4283
Equivalent scale	1:None
Additional information source	Available Format Types and Access: - A3 pdf map on the OEH website - Digital ESRI shapefile available from OEH Map and Data (http://mapdata.environment.nsw.gov.au/)and also on display through the eSPADE spatial viewer (http://espade.environment.nsw.gov.au) Dataset Version Details: Version 1.6 differs slightly from previous version 1.5. Very minor linework and tag changes have occurred on the Canberra and Bare Point 1:100,000 map sheets areas. This version does not affect the area currently mapped as Biophysical Strategic Agricultural Land (BSAL) of the Strategic Regional Land Use Policy.

Topic category	
Keyword set	
keyword value	SOIL
Originating controlled vocabulary	
Title	ANZLIC Search Words
Reference date	2008-05-16
Geographic location	
West bounding longitude	141.001
East bounding longitude	153.66
North bounding latitude	-37.507
South bounding latitude	-27.998
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	2009-06-09
End position	N/A
Dataset reference date	
Resource maintenance	
Maintenance and update frequency	Unknown
Contact info	
Contact position	Data Broker
Organisation name	Office of Environment and Heritage (OEH)
Telephone number	131555
Email address	data.broker@environment.nsw.gov.au
Responsible party role	pointOfContact

Lineage

The best available soils datasets were sourced to provide a single (seamless where possible) layer across the area. Datasets collated to derive this map included: - published and draft 1:100,000 soil landscape mapping [1:100,000 scale] - published and draft 1:250,000 soil landscape mapping [1:250,000 scale] - Soil and Land Resources of the Hawkesbury Nepean Catchment [1:100,000 scale] - Soil and Land Resources of the Liverpool Plains Catchment [1:100,000 scale] - Reconnaissance Soil and Land Resources of the Murray CMA Catchment [1:100,000 & 1:250,000 scale] - Soil Landscapes of the SCA Hydrological Catchments [1:100,000 scale] - Soils landscapes of the Comprehensive Coastal Assessment (Bare Point, Jervis Bay, Batemans Bay and Ulladulla) [1:100,000 scale] - Southern Comprehensive Regional Assessment [1:100,000 scale] - Northern Comprehensive Regional Assessment [1:100,000 scale] - Reconnaissance soil landscapes of the Namoi CMA [1:100,000 scale] - Reconnaissance soil landscapes of the Upper Riverina (HSHL) [1:100,000 scale] - Reconnaissance soil landscapes of the Border Rivers/Gwydir CMA [1:100,000 scale] - Brigalow Belt South Western Regional Assessment [1:100,000 scale] - Reconnaissance Soil Landscapes of the Upper Macleay Catchment [1:100,000 scale] - Upper Murrumbidgee Soil Benchmarking project [1:100,000 scale] - Glen Innes Data Gap Reconnaissance Soils Mapping [1:100,000 scale] - Soil Information for the Nyngan 1:250,000 sheet [1:250,000 scale] - Soil Information for the Walgett 1:250,000 sheet [1:250,000 scale] - Soil Information for the Gilgandra 1:250,000 sheet [1:250,000 scale] - Reconnaissance soil landscapes of the Riverine Plains [1:500,000 scale] - Land Systems of the Western Division [1:250,000-1:500,000 scale] - Land Systems of the Cobar Peniplain Bioregion [1:250,000-1:500,000 scale]

Each polygon was assigned a dominant soil type (Great Soil Group), from which a fertility value was derived using a lookup table modified from Charman (1978) (See Table 1). It is known that other soil types will exist in most if not all polygons, thus the map provides a guide to the most likely fertility of the soil.

Assumptions made in the allocation of soil fertility mapping include: 1. The dominant soil type allocated to each polygon is representative of that area. 2. The dominant soil type has the typical characteristics/properties of soils classified under the Great Soil Group classification.

Limitations on public access

Scope	dataset

DQ Completeness Commission

Effective date	2001-01-01

DQ Completeness Omission

Effective date	2001-01-01
Explanation	All polygons were labelled with a soil fertility class as per the classification. A limited, targeted internal desktop review has been completed for the soil type (Great Soil Group) field used in the production of this map. In addition a more thorough desktop triage quality check has been completed for soil type (Great Soil Group) field covered within the New England/North West, Upper Hunter, Central West, Greater Southern Highlands and Sydney Canberra Corridor Strategic Regional Land use Priority areas.

DQ Conceptual Consistency

Effective date	1900-01-01

DQ Topological Consistency

Effective date	1900-01-01
Explanation	ArcGIS was used to ensure all polygons in the feature class are topologically correct. (cluster tolerance 0.000003 DDeg).

DQ Absolute External Positional Accuracy

Effective date	1900-01-01
Explanation	The accuracy of this map varies across NSW, as map polygon boundaries were derived from many different sources and scales (see Lineage). Soil boundaries using published and draft 1:100,000 scale mapping by OEH are generally accurate to within 100 m. Soil boundaries using published or draft 1:250,000 scale, SCA and reconnaissance 1:100,000 – 1:250,000 level soil landscape mapping are generally accurate to within 250 m. Other small scale datasets (e.g., datasets up to 1:500,000) are approximate and generally accurate to within 500 – 2,000 m.

DQ Non Quantitative Attribute Correctness

Effective date	1900-01-01
Explanation	The accuracy of the attributes used to derive this map varies across NSW, as map polygon boundaries were derived from many different sources and map scales. A data source diagram (Figure 1) shows these different datasets and their quality according to the soils confidence classification outlined below: Good (1) - All necessary soil and landscape data is available at a regional scale (1:100,000) to undertake the assessment of LSC and other soil thematic maps. Fair (2) - Most soil and landscape data is available at a catchment scale (1:250,000) to undertake the assessment of LSC and other soil thematic maps. Low (3) - Limited soil and landscape data is available at a reconnaissance catchment scale (1:100,000 & 1:250,000) which limits the quality of the assessment of LSC and other soil thematic maps. Very low (4) - Very limited soil and landscape data is available at the state scale (1:250,000 - 1:500,000) and the LSC and other soil thematic maps should be used as a guide only.

Responsible party

Contact position	Data Broker
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Responsible party role	pointOfContact

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Metadata date

2024-02-11T23:13:09.279903

Metadata language