

Title	Soil Landscapes of the Tamworth 1:100,000 Sheet
Abstract	<p>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 Australian Soil Classification and the Great Soil Group systems.</p> <p><b>Related Datasets:</b> The dataset area is also covered by the mapping of the <a href="#">Soil and Land Resources of the Liverpool Plains Catchment</a>.</p> <p><b>Online Maps:</b> This and related datasets can be viewed using <a href="#">eSPADE</a> (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 <a href="#">SEED Map</a>; an ideal way to see what other natural resources datasets (e.g. vegetation) are available for this map area.</p> <p><b>Reference:</b> Banks R.G., 2001, <i>Soil Landscapes of the Tamworth 1:100,000 Sheet</i>, NSW Department of Land and Water Conservation, Sydney.</p>
Resource locator	
<a href="#">Data quality statement</a>	<p>Name: Data quality statement</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Description:</p> <p>DQS - Soil Landscapes of the Tamworth 1:100,000 Sheet</p> <p>Function: download</p>
<a href="#">Show on eSPADE Web Map</a>	<p>Name: Show on eSPADE Web Map</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Description:</p> <p>View dataset on eSPADE spatial viewer.</p> <p>Function: download</p>
<a href="#">NSW Government Online Shop</a>	<p>Name: NSW Government Online Shop</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Description:</p> <p>Purchase hardcopy map and report from Shop.DPIE website</p> <p>Function: download</p>
<a href="#">Soil map information</a>	<p>Name: Soil map information</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Description:</p> <p>Web page about soil maps in NSW.</p> <p>Function: download</p>
<a href="#">Land and soil information</a>	<p>Name: Land and soil information</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Description:</p> <p>Web page about land and soil information in NSW.</p> <p>Function: download</p>
<a href="#">Soil landscape map</a>	<p>Name: Soil landscape map</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p>

<a href="#">GIS data</a>	<p>Description:</p> <p>Download high quality JPG map</p> <p>Function: download</p>
	<p>Name: GIS data</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Description:</p> <p>Download shapefile and ESRI layer file</p> <p>Function: download</p>
	<p>Name: Soil landscape data package</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Description:</p> <p>Download complete package: GIS data, soil landscape reports and JPG map.</p> <p>Function: download</p>
<a href="#">Soil landscape report</a>	<p>Name: Soil landscape report</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Description:</p> <p>Download complete soil landscape report &amp; individual landscape descriptions</p> <p>Function: download</p>
Unique resource identifier	
Code	6906e36e-6c9f-4d33-aacc-239ecb079242
Presentation form	Map digital
Edition	1.0
Dataset language	English
Metadata standard	
Name	ISO 19115
Edition	2016
Dataset URI	<a href="https://datasets.seed.nsw.gov.au/dataset/6906e36e-6c9f-4d33-aacc-239ecb079242">https://datasets.seed.nsw.gov.au/dataset/6906e36e-6c9f-4d33-aacc-239ecb079242</a>
Purpose	Support natural resource management and decision making.
Status	Completed
Spatial representation	
Type	vector
Geometric Object Type	surface
Geometric Object Count	672
Spatial reference system	

Code identifying the spatial reference system	4283
Equivalent scale	1:None
Additional information source	<p><b>GIS Field name descriptions</b></p> <p>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</p> <p><b>Available Formats</b></p> <ul style="list-style-type: none"> <li>• View online using <a href="#">eSPADE</a> Spatial viewer</li> <li>• Download JPG map, report or GIS ESRI shapefiles(.shp) &amp; layer files (.lyr) from <a href="#">SEED</a> data portal.</li> <li>• Purchase a hard-copy map and report from <a href="#">Shop.DPIE</a></li> <li>• Soil profile points data is also available in MS spreadsheet format by contacting the data custodians at soils@environment.nsw.gov.au</li> </ul>
Topic category	
Keyword set	
keyword value	<p>AGRICULTURE</p> <p>GEOSCIENCES-Geology</p> <p>GEOSCIENCES-Geomorphology</p> <p>HAZARDS-Flood</p> <p>HAZARDS-Landslip</p> <p>LAND-Topography</p> <p>SOIL</p> <p>SOIL-Chemistry</p> <p>SOIL-Erosion</p> <p>SOIL-Physics</p> <p>VEGETATION</p>
Originating controlled vocabulary	
Title	ANZLIC Search Words
Reference date	2008-05-16
Geographic location	
West bounding longitude	150.501
East bounding longitude	151.001
North bounding latitude	-31.498
South bounding latitude	-30.998

NSW Place Name		Tamworth 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	1993-01-01	
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	<a href="mailto:data.broker@environment.nsw.gov.au">data.broker@environment.nsw.gov.au</a>	
Web address	<a href="https://www.nsw.gov.au/departments-and-agencies/dcceew">https://www.nsw.gov.au/departments-and-agencies/dcceew</a>	
Responsible party role	pointOfContact	
Lineage		
<p>Initial steps included a literature search, interviews with local experts and a series of initial road reconnaissance transects. Provisional soil landscapes were initially established 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. Principal component analyses of LANDSAT imagery (of various dates) were used to determine the boundaries of landscapes with little surface expression, such as Glenmore (gm). Airborne Gamma Radiometrics imagery (AGSO) was used in the Liverpool Plains portion of the map to more precisely define soil landscape boundaries. These boundaries were delineated onto 1:25,000 topographic base maps for field observation and editing. 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.</p> <p>The GIS shapefile linework has been updated to reflect hydrology data. Therefore small differences will occur between the shapefile and hard copy map.</p>		
Limitations on public access		
Scope	dataset	
DQ Completeness Commission		
Effective date	2001-07-01	

Explanation	<p>All polygons in the GIS layer are labeled with a soil landscape code and other key soil attributes.</p> <p>Each soil landscape generally has at least six soil profile descriptions and six soil/landscape observations. Each soil landscape with difficult access has at least three soil profile descriptions and three soil/landscape observations. The number of soil profile descriptions and observations are within the recommended range specified in the Australian Soil and Land Survey Handbook (McDonald et al. 1990). Field, technical and general editing has occurred on this dataset.</p>
<b>DQ Completeness Omission</b>	
Effective date	2001-01-01
<b>DQ Conceptual Consistency</b>	
Effective date	2001-07-01
Explanation	<p>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 by a peer soil surveyor or soils quality officer. Soil landscape boundaries have been checked and refined using iterative field and aerial photo checks.</p>
<b>DQ Topological Consistency</b>	
Effective date	2001-07-01
Explanation	ArcGIS was used to ensure all polygons in the shapefile are topologically correct.
<b>DQ Absolute External Positional Accuracy</b>	
Effective date	2001-07-01
Explanation	<p>Observations and soil profiles were determined by map reading (with accuracy to 25 m) and where this is not possible, using Global Positioning Systems (with accuracy within 30m). Soil profile descriptions are then more precisely located using site notes. Soil boundaries on this 100,000 scale map is generally accurate to within 100m on the ground but variations will occur especially where soil boundaries are diffuse or difficult to identify.</p>
<b>DQ Non Quantitative Attribute Correctness</b>	
Effective date	2001-07-01
Explanation	<p>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 predominantly assessed from field observations and aerial photo interpretation.</p> <p>The soil material is a categorical attribute stated in the map legend (it is not mapped and consists of soil field morphological characteristics). The detailed description is recorded in the report that accompanies the soil landscape map sheet. The associated attribute accuracy as tested by Dewar et al. (1996) determined that soil landscapes predicted the distribution of the selected soil attributes, significant at the 95 percent confidence interval (CI).</p> <p>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 Rayment 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.</p> <p>Soils were examined and described in detail at 335 sites. At each site, soil morphological data and site information were recorded on Soil and Land Information System (SALIS) cards. In addition, about 2000 soil and landscape observations and inspections were made over the 52 soil landscapes. 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.</p>

## Responsible party

Contact position	Data Broker
Organisation name	NSW Department of Climate Change, Energy, the Environment and Water
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Responsible party role	pointOfContact

## Metadata point of contact

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Organisation name	NSW Department of Climate Change, Energy, the Environment and Water
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Web address	<a href="https://www.nsw.gov.au/departments-and-agencies/dcceew">https://www.nsw.gov.au/departments-and-agencies/dcceew</a>
Responsible party role	pointOfContact

Metadata date 2024-02-26T13:44:43.714604

Metadata language