

# NSW Foundation Spatial Data Framework:

## Land Cover Theme

### Dataset/product title: Soil Landscapes

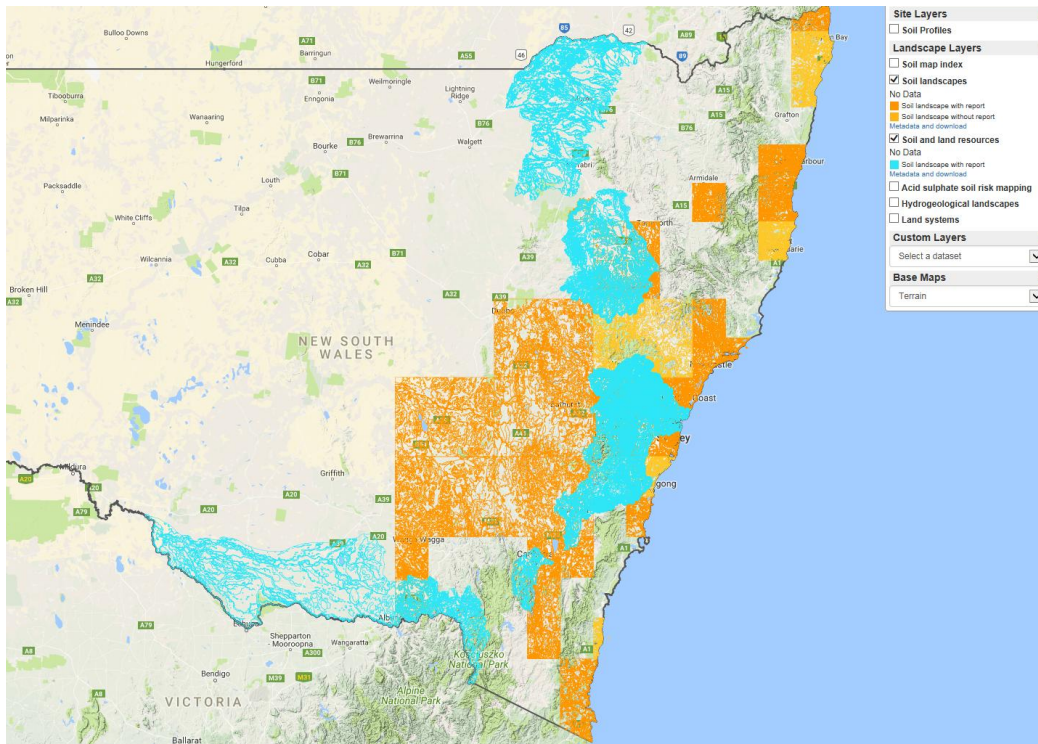



Image depicts a Soil Landscapes datasets available on eSPADE  
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<p><b>Dataset/product description</b></p>	<p>Soil Landscapes comprise of the Soil Landscape Series mapping based on standard 1:100,000 and 1:250,000 topographic sheets and Soil and Land Resource Series mapping using catchment boundaries or other areas of state significance. Mapping and accompanying reports provide an inventory of soil and landscape properties of their area and identify major soil and landscape qualities and constraints. The 'Soil Landscape' concept integrates soil and topographic features into single units with relatively uniform land management requirements. Soils are described in terms of Australian Soil Classification, Great Soil Group and Northcote classification systems. Key soil materials are also identified for the Soil Landscape Series.</p>
<p><b>Dataset uses</b></p>	<p>Soil landscape mapping provides a primary source of natural resource information for planning and policy-making and environmental protection for State and Local Governments, including the foundation for the mapping of NSW's best land and soils as Biophysical Strategic Agricultural Land (BSAL).</p>

	<p>Provides a major information source for land managers, in education and most private sector consultancies involved in environmental impact assessment, and used in a wide range of planning, infrastructure, environmental and engineering applications. Also used as a primary input to National and State level soil surfaces used in planning and environmental modelling applications.</p> <p>Relationship to other datasets</p> <p>Soil landscape mapping have close synergies with other soil and land datasets also managed by OEH</p> <ul style="list-style-type: none"> <li>• Land Systems of Western NSW (soil mapping focusing on soil/landform and vegetation relationships)</li> <li>• Acid Sulfate Risk Mapping (mapping identifying areas with risks of Acid Sulfate Soils (ASS))</li> <li>• Hydrogeological Landscapes of NSW and the ACT (mapping of distinct geology/ landscape/soil units to provide salinity and other land management recommendations).</li> </ul>
<p><b>Current status</b></p>	<p>See map of current Soil Landscape coverage.</p> <p>The Soil Landscape Series program was originally intended to cover the entirety of Eastern and Central NSW but effectively ceased in 2006 with approximately 25 per cent of the State covered. Subsequent mapping is continuing as part of the Soil and Land Resource Series. This soil mapping combines both previously published and new areas, upgrading them to the Soil and Land Resources standard. Ongoing mapping is targeted in regions of New South Wales where soil and land information is vital for land use planning, environmental protection and infrastructure development. Individual soil landscape maps have been rectified and integrated into a single seamless spatial data layer that is updated as new or improved mapping becomes available. This layer in turn has been integrated into best available statewide land and soil mapping custom products such as Land and Soil Capability (LSC) and Inherent Soil Fertility maps.</p>
<p><b>Standards and specifications</b></p>	<p>Terminology and methodology follows National Committee on Soil and Terrain (2009) and Milford et al. (2001).</p> <p>Current mapping standards identify minimum soil survey requirements for mapping procedures, data density and laboratory analysis. Maps are accurate at scale of publication (1:100,000 or 1:250,000).</p>

<p><b>Access and licensing</b></p>	<p>Office of Environment and Heritage (OEH) creates and manages Intellectual Property for the Crown in right of New South Wales.</p> <p>Acquisition of this data is subject to the customer entering into an appropriate Creative Commons license agreement. To the extent that Creative Commons licensing applies, all data and other material produced by OEH constitutes Crown copyright. OEH has applied the <a href="#">Creative Commons Attribution 4.0 Australia Licence</a>. OEH asserts the right to be attributed as author of the original material in the following manner:</p>  <p>© State of New South Wales and Office of Environment and Heritage [Year of publication]</p> <p>Soil and land information is accessible via eSPADE (OEH's soil spatial viewer) and from the OEH data portal</p>
<p><b>Metadata</b></p>	<p>Soil Landscapes of Central and Eastern NSW Soil and Land Resources of Central and Eastern NSW</p>
<p><b>Updates</b></p>	<p>Updated as new data becomes available through mapping projects in specific areas.</p>
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<p><b>Additional comments</b></p>	<p><b>References:</b> National Committee on Soil and Terrain, 2009, 'Australian soil and land survey field handbook', CSIRO Publishing, Melbourne.</p> <p>Milford, H.B., McGaw, A.J.E. and Nixon, K.J. (eds), 2001, 'Soil Data Entry Handbook' (3rd edition), NSW Department of Land and Water Conservation, Sydney.</p>