Title	Soil and Land Degradation Management for the HGL of the Australian Capital Territory 2017 (2nd Ed)
Alternative title(s)	ACT_LandDeg_2017
Abstract	*This dataset supersedes all earlier versions of 'Soil and Land Degradation Management for the HGL of the Australian Capital Territory'. It incorporates HGL boundary and management area edits based on updated soil landscape mapping for the ACT.* The focus of this dataset is the Australian Capital Territory. It contains digital spatial data developed to assist in land management decision making in the ACT. The dataset identifies soil and land degradation issues in defined Hydrogeological Landscapes (HGL). At the HGL unit level, information about general management issues and landscape function is assigned. Classifications for Land and Soil Capability (LSC) Soil Regolith Stability and Soilworks class are assigned at an individual management area level within each HGL. Appropriate management actions for soil and land degradation management and specific high risk land uses are given for each management area. Hyperlinks to full soil and land degradation management descriptions for each HGL unit are provided. The Hydrogeological Landscape (HGL) concept provides a structure for understanding how differences in salinity are expressed across the landscape. A HGL spatially differentiates areas with similar salt stores and pathways for salt mobilisation. The process of delineating a HGL relies on the integration of a number of causative factors: geology, soils, slope, regolith thickness, and climate; an understanding of the different modes of salinity development; and the impacts of salinity within landscapes (land salinity, salt load and salt concentration in streams due to salt contributions from base flow and runoff). Information sources such as soil landscape maps, site characterisation, salinity occurrence maps, hydrogeological data, surface water and groundwater data are incorporated into standardised unit descriptions. Spatial resolution for this product is 1: 25 000.

Resource locator

Data Quality Statement	Name: Data Quality Statement Protocol: WWW:DOWNLOAD-1.0-http--download Description: Data quality statement for Soil and Land Degradation Management for the HGL of the Australian Capital Territory 2017 (2nd Ed) Function: download
Download Package - Soil and Land Degradation Management for the HGL of the ACT 2017	Name: Download Package - Soil and Land Degradation Management for the HGL of the ACT 2017 Protocol: WWW:DOWNLOAD-1.0-http--download Description: Data package containing ArcGIS spatial data for soil and land management in ACT hydrogeological landscapes (HGL), overall report and individual descriptions, and information on attributes and data sources. Function: download
ACTmapi - Soil and Hydrogeological Landscapes	Name: ACTmapi - Soil and Hydrogeological Landscapes Protocol: WWW:DOWNLOAD-1.0-http--download Description: ACTmapi is the ACT Government's interactive mapping service that provides a convenient and fast way to analyse ACT spatial data. This map contains spatial data relating to the soil landscapes and hydrogeological landscapes of the ACT. Function: download

Unique resource identifier

Code	09de3ee4-202d-4878-b1cc-193fe48583bf
Presentation form	Map digital
Edition	Second
Dataset language	English

Metadata standard

Name	ISO 19115
Edition	2016

Dataset URI	https://datasets.seed.nsw.gov.au/dataset/09de3ee4-202d-4878-b1cc-193fe48583bf
Purpose	This dataset was generated for the ACT Environment and Planning Directorate as a component of the ACT Hydrogeological Landscapes (HGL) Framework project. The focus of this project was to assess impacts of climate change on wetlands and on land degradation issues related to salinity and erosion in the ACT.
Status	Completed

Spatial representation

Type	vector
Geometric Object Type	complex

Spatial reference system

Code identifying the spatial reference system	4283

Equivalent scale	1:None
Additional information source	**Source datasets:** OEH: Hydrogeological Landscapes (HGL) of the Australian Capital Territory 2017 (ACT_HGL_2017); Management Areas for the HGL of the Australian Capital Territory 2017 (ACT_ManAreas_2017); Soil and Land Resources of the Australian Capital Territory (ACT); NSW Soil and Land Information System (SALIS); NSW / ACT Regional Climate Modelling (NARCliM); BIOCLIM 2009. ACT Environment and Planning Directorate: ACT admin dataset (ACT Districts; ACT Divisions; ACT Territory Border); ACT base data (multiple themes); ACT wetland data (multiple themes). Geoscience Australia: GEODATA TOPO 250K Series 3; 1:1 million Geology of Eastern Australia; Brindabella 1:100 000 Geological Map (8627); Canberra 1:100 000 Geological Map (8727); Canberra 1:250 000 Geological Map (SI/55-16); Michelago 1:100 000 Geological Map (8626); Tantangara 1:100 000 Geological Map (8626); 1 Second DSM and DEM elevation data – Shuttle Radar Topographic Mission (SRTM). Land and Property Information: New South Wales DTDB Landform Theme 50K Digital Terrain Models; New South Wales Digital Topographic Database DTDB.

Topic category

Keyword set

keyword value	SOIL-Erosion GEOSCIENCES-Geomorphology GEOSCIENCES-Geology HAZARDS LAND-Use
Originating controlled vocabulary	
Title	ANZLIC Search Words
Reference date	2008-05-16

Geographic location

West bounding longitude	148.738
East bounding longitude	149.414
North bounding latitude	-35.933
South bounding latitude	-35.111
NSW Place Name	Australian Capital Territory

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	2017-04-01
End position	N/A

Dataset reference date

Resource maintenance

Maintenance and update frequency	Irregular
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

The hydrogeological landscape (HGL) mapping used the following base data for delineation of map units: published 1:1 million, 1:250 000 and 1:100 000 geological mapping data (polygon); published 1:100 000 soil landscape data (polygon); soil profile data from the OEH SALIS database (point); and Digital Elevation Model (DEM) for the ACT and derivative products taken from the 30 and 10 metre DEM.

Limitations on public access

Scope: dataset

DQ Topological Consistency

Effective date	2017-05-19
Explanation	All polygons in the coverage are topologically correct and all polygons have been attributed. Data has been visually checked at applicable scales.

DQ Absolute External Positional Accuracy

Effective date	2017-05-19
Explanation	The accuracy of the coverage varies across the mapping area as map polygon boundaries were derived from different sources. HGL boundaries derived from published and draft 1:100 000 scale mapping are generally accurate to 100 m. HGL boundaries derived from published 1:250 000 scale mapping are approximate and generally accurate to 250 m.

DQ Non Quantitative Attribute Correctness

Effective date	2017-05-19
Explanation	All polygons are labelled with a hydrogeological landscape unit and management area tags, and attributed with information relevant to soil and land degradation management. Attributes were checked as part of routine GIS capture quality assurance procedures, including a visual check of polygon tags against field data. During the fieldwork phase, regular meetings were held to discuss and review methods, processes and consistency in landscape interpretation and documentation.

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
Responsible party role	pointOfContact

Metadata point of contact

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Responsible party role	pointOfContact

Metadata date

2024-02-26T13:36:07.545596

Metadata language