Title	Hydrogeological Landscapes (HGL) of the Australian Capital Territory 2017 (Third Edition)
Alternative title(s)	ACT_HGL_2017
Abstract	This dataset supersedes all earlier versions of 'Hydrogeological Landscapes (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 contains hazard ratings for land salinity, stream salt load and stream EC as well as overall salinity hazard for each HGL unit. Information about landscape functions and appropriate salinity management strategies are also listed. Hyperlinks to full 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 1:50 000.
Resource locat	or
<u>Data Quality</u>	Name: Data Quality Statement
<u>Statement</u>	Protocol: WWW:DOWNLOAD-1.0-httpdownload
	Description:
	Data quality statement for Hydrogeological Landscapes (HGL) of the Australian Capita Territory 2017 (Third Edition)
	Function: download
<u>Download</u>	Name: Download Package - ACT HGL 2017
<u>Package - ACT</u> HGL 2017	Protocol: WWW:DOWNLOAD-1.0-httpdownload
<u>1102 2017</u>	Description:
	Data package containing ArcGIS spatial data for ACT hydrogeological landscape (HGL) boundaries and salinity management areas, HGL report and individual HGL descriptions, hazard table and information on attributes and data sources.
	Function: download
Connect to	Name: Connect to eSPADE
<u>eSPADE</u>	Protocol: WWW:DOWNLOAD-1.0-httpdownload
	Description:
	View this dataset and other soil-related datasets on eSPADE soil spatial viewer.
	Function: download
<u>ACTmapi - Soil</u>	Name: ACTmapi - Soil and Hydrogeological Landscapes
and	Protocol: WWW:DOWNLOAD-1.0-httpdownload
<u>Hydrogeological</u> <u>Landscapes</u>	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

	35a9b7a8-ca59-40d1-ba5c-6fe66245c35f		
Presentation form	Map digital		
Edition	Third		
Dataset language	English		
Metadata stanc	dard		
Name	ISO 19115		
Edition	2016		
Dataset URI	https://datasets.seed.nsw.gov.au/dataset/35a9b7a8-ca59-40d1-ba5c-6fe66245c35f		
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 represe	ntation		
Туре	vector		
Geometric Object Type	complex		
Spatial referen	ce system		
Code identifying the spatial reference system	4283		
the spatial reference	4283 1:None		
the spatial reference system Equivalent	1:None Source datasets:		
the spatial reference system Equivalent scale	1:None		
the spatial reference system Equivalent scale Additional information	1:None Source datasets: OEH: Soil and Land Resources of the Australian Capital Territory (ACT); NSW Soil and Land Information System (SALIS); NSW / ACT Regional Climate Modelling (NARCliM);		
the spatial reference system Equivalent scale Additional information	1:None Source datasets: OEH: 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		

Keyword set	
keyword value	WATER-Salinity
	GEOSCIENCES-Geology
	GEOSCIENCES-Hydrogeology
	GEOSCIENCES-Geomorphology HAZARDS
	SOIL
	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		
	of map unit (polygon); p SALIS datab products tal mapping we	eological landscape (HGL) mapping used the following base data for delineation s: published 1:1 million, 1:250 000 and 1:100 000 geological mapping data published 1:100 000 soil landscape data (polygon); soil profile data from the OEH base (point); and Digital Elevation Model (DEM) for the ACT and derivative ken from the 30 and 10 metre DEM. The published and reconnaissance level ere combined and rationalised to create complete hydrogeological landscape n (map unit) coverage for the entire ACT.		
Limitations or	n public acces	SS		
Scope	dataset			
DQ Topologic	al Consistenc	2y		
Effective date	2017-05	-19		
Explanation		ons in the coverage are topologically correct and all polygons have been ed. Data has been visually checked at applicable scales.		
DQ Absolute I	External Posit	ional Accuracy		
Effective date	2017-05	-19		
Explanation	boundar and draf derived	ne accuracy of the coverage varies across the mapping area as map polygon bundaries were derived from different sources. HGL boundaries derived from published nd draft 1:100 000 scale mapping are generally accurate to 100 m. HGL boundaries erived from published 1:250 000 scale mapping are approximate and generally ccurate to 250 m.		
DQ Non Quan	titative Attribu	ute Correctness		
Effective date	2017-05	2017-05-19		
Explanation	informat GIS capt against f review n	All polygons are labelled with a hydrogeological landscape unit tag, and attributed with information relevant to salinity 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.		
Responsibl	e party			
Contact position		Data Broker		
Organisatior	n name	NSW Department of Climate Change, Energy, the Environment and Water		
Telephone n	umber	131555		
Email addres	SS	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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Telephone number	131555	
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Web address	https://www.nsw.gov.au/departments-and-agencies/dcceew	
Responsible party role	pointOfContact	
Metadata date	2024-02-26T13:37:14.951299	
Metadata language		