Title	Hydrogeological Landscapes of New South Wales and the Australian Capital Territory			
Alternative title(s)	HGL Study Areas - NSW & ACT			
Abstract	Hydrogeological Landscape (HGL) boundaries and descriptions have been derived for a number of project areas across NSW.			
	The HGL concept provides a structure for the understanding of how salinity manifests itself in the landscape and how differences in salinity are expressed across the landscape. A HGL spatially defines areas of similar salt stores and pathways for salt mobilisation. The process of HGL determination relies on the integration of a number of factors: geology, soils, slope, regolith depth, and climate; an understanding of the differences in salinity development; and the impacts (land salinity/salt load/water electrical conductivity) in landscapes. Information sources such as soil maps, site characterisation, salinity site mapping, hydrogeological conditions and surface and groundwater data are combined to develop standard descriptions for each HGL unit.			
	Derivative maps showing <i>overall salinity hazard</i> and individual hazard due to salinity expressed as <i>land salinity, salt export (load)</i> and <i>stream EC</i> are available for most mapped areas, and are also viewable as custom layers in <u>eSPADE</u> .			
	Overall salinity hazard uses a five class system (very low, low, moderate, high, very high). This helps the user identify and prioritise where salinity management actions may need to be targeted.			
	Hazard due to salt land, salt export and stream EC uses a three class system (low, moderate, high). Knowing which of these are of greater significance in a HGL unit helps the user decide on the types of management actions that may be applied.			
	Spatial resolution varies between 1:50 000 and 1:250 000, depending on the resolution of the source data used to define the HGL boundaries.			
Resource loca	tor			
<u>Data Quality</u>	Name: Data Quality Statement			
<u>Statement</u>	Protocol: WWW:DOWNLOAD-1.0-httpdownload			
	Description:			
	DQS – Hydrogeological Landscapes of NSW and the ACT			
	Function: download			
eSPADE	Name: eSPADE			
	Protocol: WWW:DOWNLOAD-1.0-httpdownload			
	Description:			
	eSPADE is a Google Maps-based information system that allows easy map-based access to all public soil and land information in the NSW Soil and Land Information System (SALIS), including both soil profiles and soil mapping. Also available via eSPADE are a number of Statewide soil maps, including the Land and Soil Capability and Inherent Soil Fertility maps that provide the foundation for the mapping of Biophysical Strategic Agricultural Land (BSAL). Other Statewide map layers of specific soil and land attributes are also available through eSPADE.			
	Function: download			
Unique resour	ce identifier			
Code	8bb2763b-6be0-4385-904c-9d1e388bc085			
Presentation form	Map digital			
Edition	First			
Dataset language	English			

Metadata stan	dard				
Name	ISO 19115				
Edition	2016				
Dataset URI	https://datasets.seed.nsw.gov.au/dataset/8bb2763b-6be0-4385-904c-9d1e388bc085				
Purpose	This metadata provides a general introduction to HGL mapping areas in NSW and ACT. Data packages containing GIS data and associated HGL descriptions for the individual mapping areas are available for download separately.				
Status	On going				
Spatial representation					
Туре	vector				
Geometric Object Type	complex				
Spatial reference system					
Code identifying the spatial reference system	4283				
Spatial resolution	0 m				
Additional information source	Boundaries for this layer come from individual HGL projects which were mapped at different scales. There may be edge matching and scaling differences between adjacent project areas.				
Topic category	I				
Keyword set					
keyword value		SOIL			
		WATER-Salinity			
		GEOSCIENCES-Geology			
		GEOSCIENCES-Geomorphology			
		HAZARDS			
		LAND-Use			
		GEUSCIENCES-HYDrogeology			
Originating contro					
	nieu vocabuidiy	ANZLIC Search Words			
Deference date					
Geographic lo	cation	2000-03-10			
West hounding lo	naitude	130			
		155			
East bounding lor	iyilude	CCT			

North bounding latitude	-38				
South bounding latitude	-27				
Vertical extent information					
Minimum value	-100				
Maximum value	2228				
Coordinate reference system					
Authority code	urn:ogc:def:cs:EPSG::				
Code identifying the coordinate referenc system	e 5711				
Temporal extent					
Begin position	2008-01-01				
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 Hydrogeological lands map units: published 1 1:250 000 soil landsca (point); and Digital Ele published and reconna complete hydrogeolog	Hydrogeological landscape (HGL) mapping uses the following base data for delineation of map units: published 1:1 million and 1:250 000 geological mapping data (polygon); published 1:250 000 soil landscape data (polygon); soil profile data from the OEH SALIS database (point); and Digital Elevation Models (DEM) and derivative products taken from the DEM. The published and reconnaissance level mapping are combined and rationalised to create complete hydrogeological landscape classification (map unit) coverage for each study area.				

Scope	dataset			
DQ Completene	ess Commiss	sion		
Effective date	2016-11-01			
Explanation	Spatial data capture is complete for selected study areas. Additional areas will added as future projects are completed.			
DQ Topological	Consistency	у		
Effective date	2016-11-01			
Explanation	All polygons in the coverage are topologically correct and all polygons have been attributed in the original datasets. Data has been visually checked at applicable scales.			
DQ Absolute Ex	ternal Positi	ional Accuracy		
Effective date	Effective 2016-11-01 date 2016-11-01			
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 Quantit	ative Attribu	ite Correctness		
Effective date	2016-11-01			
Explanation	All polygons are labelled with a hydrogeological landscape unit tag, and attributed with information relevant to salinity management.			
Responsible	party			
Contact positi	on	Data Broker		
Organisation r	name	NSW Department of Climate Change, Energy, the Environment and Water		
Telephone nur	mber	131555		
Email address		data.broker@environment.nsw.gov.au		
Web address		https://www.nsw.gov.au/departments-and-agencies/dcceew		
Responsible p	arty role	pointOfContact		
Metadata po	int of con	tact		
Contact positi	on	Data Broker		
Organisation r	name	NSW Department of Climate Change, Energy, the Environment and Water		
Telephone nur	mber	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 da	te	2024-02-26T13:37:24.204770		
Metadata lar	nguage			