

Title	Hydrogeological Landscapes for the Central West Catchment Management Authority: Western Study Area: May 2012 (First Edition)
Alternative title(s)	Western Central West Hydrogeological Landscapes
Abstract	<u>NOTE: This dataset has been superseded by Hydrogeological Landscapes for the Central West Catchment Management Authority Western Study Area May 2013 Second Edition – https://datasets.seed.nsw.gov.au/dataset/hydrogeological-landscapes-for-the-central-west-catchment-management-authority-western-study-ar89be3</u> The Hydrogeological Landscape (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 soils maps, site characterisation, salinity site mapping, hydrogeological conditions and surface and groundwater data are combined to develop standard templates for each HGL. The focus of this dataset is the Western Central West study area west of the Newell Highway. It comprises introductory information on HGLs; HGL templates; and maps and digital spatial data developed for the project, including derivative maps to assist in land management decision making in the Western Central West study area. This includes information on salinity management from the perspectives of land use design, scales and types of management, landscape function, management strategies, actions and outcomes, as well as land use to be avoided.
Resource locator	
Data Quality Statement	Name: Data Quality Statement Protocol: WWW:DOWNLOAD-1.0-http--download Description: DQS – Hydrogeological Landscapes for the Central West Catchment Management Authority: Western Study Area: May 2012 (First Edition) Function: download
Unique resource identifier	
Code	ab38d634-865e-4fb2-8381-3d9d3b289838
Presentation form	mapDigital
Edition	First
Dataset language	eng
Metadata standard	
Name	ANZLIC Metadata Profile: An Australian/New Zealand Profile of AS/NZS ISO 19115:2005, Geographic information - Metadata
Version	1.1
Dataset URI	https://datasets.seed.nsw.gov.au/dataset/ab38d634-865e-4fb2-8381-3d9d3b289838
Purpose	This data package was generated for the Central West Catchment Management Authority (CWCMA).
Status	obsolete
Spatial representation	

Type	vector
Spatial reference system	
Authority code	GDA94 / MGAZone 55
Code identifying the spatial reference system	28355
Equivalent scale	1:None
Additional information source	Source datasets: Hydrogeological-Landscape Systems over the Central West catchment, NSW (OEH); Nyngan Soil Landscape Map - Sheet Series SH/55-15 (OEH); Narromine Soil Landscape Map - Sheet Series SI/55-3 & Part Sheet Series SI/55-7 (OEH); Walgett Soil Landscape Map, Central West CMA - Part Sheet Series SH/55-11 (OEH); Gilgandra-Narrabri Soil Landscape Map - Sheet Series SH/5516 & Part Sheet Series SH/5512 (OEH); Soil Landscapes of the Dubbo 1:250,000 Sheet (OEH); Landscapes (Mitchell) of NSW - Version 2 (OEH); Land System of Western NSW (OEH); Dryland Salinity Outbreak Mapping - Eastern & Central New South Wales (OEH); GEODATA TOPO 250K Series 3 (Geoscience Australia); Radiometric Map of Australia (Grids) (Geoscience Australia); 1 second SRTM Derived Digital Elevation Model (Geoscience Australia); Surface Geology of Australia 1:1 million scale, New South Wales - 2nd edition (Geoscience Australia); Dubbo 1:100 000 Geological Sheet, 2nd edition (Geoscience Australia); New South Wales DTDB Landform Theme 50K Digital Terrain Models (Land and Property Management Authority); New South Wales Digital Topographic Database DTDB (Land and Property Management Authority).
Topic category	
Keyword set	
keyword value	GEOSCIENCES-Geology GEOSCIENCES-Geomorphology HAZARDS LAND-Use SOIL WATER-Salinity GEOSCIENCES-Hydrogeology BOUNDARIES-Biophysical
Originating controlled vocabulary	
Title	ANZLIC Search Words
Reference date	2008-05-16
Geographic location	
West bounding longitude	146.28
East bounding longitude	149.42
North bounding latitude	-33.02
South bounding latitude	-30.11
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	2008-10-01
End position	N/A
Dataset reference date	
Date type	publication
Effective date	2012-05-31
Resource maintenance	
Maintenance and update frequency	None
Contact info	
Organisation name	NSW Department of Climate Change, Energy, the Environment and Water
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Responsible party role	pointOfContact
Lineage	The hydrogeological landscape (HGL) mapping used 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 Model; (DEM) for Central West CMA and derivative products taken from the 25 metre DEM. The published and reconnaissance level mapping were combined and rationalised to create complete hydrogeological landscape classification (map unit) coverage for the entire Western Central West study area.
Limitations on public access	
Scope	dataset

Responsible party

Contact position	Data Broker
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Metadata date 2011-09-01

Metadata language eng