Title	Residual Hydrogeological Landscapes of the Central West CMA Catchment: Nov 2020 (First Edition)
Alternative title(s)	Residual Central West CMA HGL - 2020
Abstract	**This dataset contains the Central West CMA HGLs that were not included in the *Hydrogeological Landscapes of the Central West Local Land Services Region: Nov 2020* dataset. The CMA boundary was catchment-based, whereas the new LLS boundary is cadastre-based. The original CW CMA HGL assessments were undertaken between 2008 and 2012.** 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 old Central West CMA catchment area that falls outside the new CW LLS region. The data package comprises the relevant HGL unit descriptions; digital spatial data; and legacy documents relating to the original CW CMA HGL assessments. Spatial resolution for this product is 1:250 000.

Resource locator

Data Quality Statement	Name: Data Quality Statement Protocol: WWW:DOWNLOAD-1.0-http--download Description: Data quality statement for Residual Hydrogeological Landscapes of the Central West CMA Catchment: Nov 2020 (First Edition) Function: download
Download Package	Name: Download Package Protocol: WWW:DOWNLOAD-1.0-http--download Description: This data package comprises relevant Central West CMA HGL descriptions; attributed boundary geodatabase and shapefile; and legacy documents relating to the original CW CMA HGL assessments. Function: download
Connect to eSPADE	Name: Connect to eSPADE Protocol: WWW:DOWNLOAD-1.0-http--download Description: View HGL and other soil-related datasets on eSPADE soil spatial viewer. Function: download

Unique resource identifier

Code	97ea46f8-ec60-45eb-92fe-9b38714cd1e6
Presentation form	Map digital
Edition	First

Dataset language	English

Metadata standard

Name	ISO 19115
Edition	2016

Dataset URI	https://datasets.seed.nsw.gov.au/dataset/97ea46f8-ec60-45eb-92fe-9b38714cd1e6
Purpose	This data package was generated to capture those Central West HGLs that were not incorporated into the Hydrogeological Landscapes of the Central West Local Land Services Region: Nov 2020 dataset.
Status	Completed

Spatial representation

Type	vector

Spatial reference system

Code identifying the spatial reference system	4283

Equivalent scale	1:None
Additional information source	Source datasets: Hydrogeological-Landscape Systems over the Central West catchment, NSW (OEH); Hydrogeological Landscapes for the Central West Catchment Management Authority Western Study Area: May 2013 (Second Edition); GEODATA TOPO 250K Series 3 (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); New South Wales DTDB Landform Theme 50K Digital Terrain Models (Land and Property Information); New South Wales Digital Topographic Database DTDB (Land and Property Information).

Topic category

Keyword set

keyword value	WATER-Salinity
	SOIL
	LAND-Use
	HAZARDS
	GEOSCIENCES-Geomorphology

Originating controlled vocabulary

Title	ANZLIC Search Words
Reference date	2008-05-16

Geographic location

West bounding longitude	146.25
East bounding longitude	150.4
	-33.95

North bounding latitude	
South bounding latitude	-30.1
NSW Place Name	Central West CMA region

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

Resource maintenance

Maintenance and update frequency	Not planned
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 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

DQ Completeness Commission

Effective date	2024-06-28
Explanation	Spatial data capture is complete for presentation and usage at 1:250 000 only.

DQ Topological Consistency

Effective date	2024-06-28
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	2024-06-28
Explanation	It should be noted that the attributes for HGLs west of the Newell Highway are more recent and have undergone more intense investigation than those defined on the eastern side of the Newell Highway. Care should be exercised when making comparisons between the two areas. 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.

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

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 date

2024-07-03T04:23:32.031752

Metadata language