Title	Hydrogeological Landscapes of the Central West Local Land Services Region: Nov 2020 (First Edition)
Alternative title(s)	Central West LLS HGL - 2020
Abstract	**This dataset supersedes much of the area covered by previous CW CMA and Western CW catchment HGL assessments. It is bounded by the Central West LLS regional boundary rather than the old CW CMA boundary. For CW CMA areas that fall outside the CW LLS boundary, please refer to the *Residual Hydrogeological Landscapes of the Central West CMA Catchment: Nov 2020* dataset.** 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 Central West LLS region. It comprises introductory information on HGLs; HGL unit descriptions; digital maps and spatial data. 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 Hydrogeological Landscapes of the Central West Local Land Services Area: Nov 2020 (First Edition) Function: download
Download Package	Name: Download Package Protocol: WWW:DOWNLOAD-1.0-http--download Description: Contains Central West LLS HGL attributed boundary geodatabase and shapefile; XLSX and CSV attribute tables; PDF and PNG versions of HGL unit and Overall Salinity Hazard maps; and PDF versions of HGL report and individual HGL descriptions. 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
Attributes of Central West LLS HGL	Name: Attributes of Central West LLS HGL Protocol: WWW:DOWNLOAD-1.0-http--download Description: Summary of HGL attributes for the CW LLS region. Function: download

Unique resource identifier

Code	4600e39b-fd47-43d2-abd2-136db3eea31e

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/4600e39b-fd47-43d2-abd2-136db3eea31e
Purpose	This data package was generated for Central West Local Land Services (CW LLS) to modify and extend existing HGL unit boundaries to the new CW LLS regional footprint. Unit descriptions were revised accordingly.
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 (OEH); NSW Soil and Land Information System (SALIS); BIOCLIM 2009 (OEH); Dryland Salinity Outbreak Mapping – Eastern and Central New South Wales (OEH); GEODATA TOPO 250K Series 3 (Geoscience Australia); 1 second SRTM Derived Digital Elevation Model (Geoscience Australia); 1:1 million Geology of Eastern Australia (Geoscience Australia); Dubbo 1:100 000 Geological Sheet, 2nd edition (GSNSW); Forbes 1:250 000 Geological Series Sheet SI/ 55- 07 Second Edition (GSNSW); Gilgandra 1:250 000 Geological Series Sheet SH/ 55- 03 Second Edition (GSNSW); Narromine 1:250 000 Geological Series Sheet SI/ 55- 03 Second Edition (GSNSW); Nyngan 1:250 000 Geological Series Sheet SH/ 55- 15 First Edition (GSNSW); Tamworth 1:250 000 Geological Series Sheet SH/ 56- 13 First Edition (GSNSW); 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
East bounding longitude	150.2
North bounding latitude	-34.15
South bounding latitude	-30.25
NSW Place Name	Central West LLS 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	2018-01-01
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: Existing HGL mapping data for the Central West catchment (polygon); 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 SALIS database (point); and a Digital Elevation Model (DEM) for the Central West LLS region.

Limitations on public access

Scope: dataset

DQ Topological Consistency

Effective date: 2024-06-28

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: 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: 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.

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

2024-07-03T04:22:45.095268

Metadata language