Title	Hydrogeological Landscapes for the Eastern Murray Catchment: May 2015 (Second Edition)
Alternative title(s)	Eastern Murray Hydrogeological Landscapes 2015
Abstract	**Update: Data package containing HGL shapefile added to resources on 16 March 2022.* 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 Eastern Murray study area upstream of Corowa. 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 Eastern Murray 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. This second edition of the dataset incorporates minor edits made to ensure dataset is compatible with eSPADE, and includes the published version of the Eastern Murray HGL report. 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: DQS - Hydrogeological Landscapes for the Eastern Murray Catchment: May 2015 (Second Edition) Function: download
Full Report	Name: Full Report Protocol: WWW:DOWNLOAD-1.0-http--download Description: Full report including appendices – Hydrogeological Landscapes for the Eastern Murray Catchment. Function: download
Main Report	Name: Main Report Protocol: WWW:DOWNLOAD-1.0-http--download Description: Report excluding appendices – Hydrogeological Landscapes for the Eastern Murray Catchment. Function: download
Appendix A	Name: Appendix A Protocol: WWW:DOWNLOAD-1.0-http--download Description: Eastern Murray HGL map and summary table. Function: download
Appendix B	Name: Appendix B

	Protocol: WWW:DOWNLOAD-1.0-http--download Description: Detailed Eastern Murray HGL unit descriptions. Function: download
Appendices C & D	Name: Appendices C & D Protocol: WWW:DOWNLOAD-1.0-http--download Description: Data sources and dataset attribute table information and colour schemes. Function: download
Guidelines for Managing Salinity in Rural Areas	Name: Guidelines for Managing Salinity in Rural Areas Protocol: WWW:DOWNLOAD-1.0-http--download Description: This document more fully describes salinity management in rural areas in terms of landscape function, management strategies and actions. It should be used in conjunction with hydrogeological landscape (HGL) reports to give context to the management recommended for individual HGL management areas. Function: download
Attributes of Eastern Murray HGL	Name: Attributes of Eastern Murray HGL Protocol: WWW:DOWNLOAD-1.0-http--download Description: Summary of HGL attributes of Eastern Murray study area. Function: download
Download Package	Name: Download Package Protocol: WWW:DOWNLOAD-1.0-http--download Description: ArcGIS Geodatabase and Shapefile an Excel table displaying HGL attributes. Function: download

Unique resource identifier

Code	7bb51e13-0d8c-4f3d-8f46-f416d05ecd86

Presentation form	Map digital
Edition	Second
Dataset language	English

Metadata standard

Name	ISO 19115
Edition	2016

Dataset URI	https://datasets.seed.nsw.gov.au/dataset/7bb51e13-0d8c-4f3d-8f46-f416d05ecd86
Purpose	This data package was originally generated for the Murray Catchment Management Authority (MCMA), and was updated for publication in 2015.
	Completed

Status

Spatial representation

Type	vector
Geometric Object Type	complex

Spatial reference system

Code identifying the spatial reference system	4283

Equivalent scale

1:None

Additional information source

Published reports relating to this dataset are included as part of the data package, and are also available from the OEH website - http://www.environment.nsw.gov.au/salinity/science/hgl.htm. Source datasets: Reconnaissance Soil and Land Resources of the Murray CMA (OEH); Soil Landscapes of the Holbrook-Tallangatta 1:100,000 Sheet (8326-8325)(OEH); BIOCLIM 2009 (OEH); GEODATA TOPO 250K Series 3 (Geoscience Australia); Surface Geology of Australia 1:1 million scale, New South Wales - 2nd edition (Geoscience Australia); Wagga Wagga 1:250 000 Geological Sheet SI/55-15, 1st edition (NSW Geological Survey); Tallangatta 1:250 000 Geological Sheet SJ/55-3, first edition (NSW Geological Survey); Jerilderie 1:250 000 Geological Sheet SI/55-14, 2nd edition (NSW Geological Survey); 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	146.163
East bounding longitude	148.255
North bounding latitude	-36.484
South bounding latitude	-35.262

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	2008-07-01
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 Murray 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 Eastern Murray study area.

Limitations on public access

Scope	dataset

DQ Completeness Commission

Effective date	2015-05-01
Explanation	Spatial data capture is complete for presentation and usage at 1:250 000 only.

DQ Completeness Omission

Effective date	1901-01-01

DQ Conceptual Consistency

Effective date	1901-01-01

DQ Topological Consistency

Effective date	2015-05-01
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	2015-05-01
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 Quantitative Attribute Correctness

Effective date	2015-05-01
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. 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

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Responsible party role	pointOfContact

Metadata date

2024-02-26T12:45:03.524259

Metadata language