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 loca	ator	
Data Quality	Name: Data Quality Statement	
<u>Statement</u>	Protocol: WWW:DOWNLOAD-1.0-httpdownload	
	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-httpdownload	
	Description:	
	Full report including appendices – Hydrogeological Landscapes for the Eastern Murray Catchment.	
	Function: download	
Main Report	Name: Main Report	
	Protocol: WWW:DOWNLOAD-1.0-httpdownload	
	Description:	
	Report excluding appendices – Hydrogeological Landscapes for the Eastern Murray Catchment.	
	Function: download	
Appendix A	Name: Appendix A	
	Protocol: WWW:DOWNLOAD-1.0-httpdownload	
	Description:	
	Eastern Murray HGL map and summary table.	
	Function: download	
Appendix B	Name: Appendix B	

	Protocol: WWW:DOWNLOAD-1.0-httpdownload	
	Description:	
	Detailed Eastern Murray HGL unit descriptions.	
	Function: download	
Appendices C	Name: Appendices C & D	
<u>& D</u>	Protocol: WWW:DOWNLOAD-1.0-httpdownload	
	Description:	
	Data sources and dataset attribute table information and colour schemes.	
	Function: download	
Guidelines for	Name: Guidelines for Managing Salinity in Rural Areas	
<u>Managing</u> <u>Salinity in Rural</u>	Protocol: WWW:DOWNLOAD-1.0-httpdownload	
Areas	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	Name: Attributes of Eastern Murray HGL	
<u>Eastern Murray</u> HGL	Protocol: WWW:DOWNLOAD-1.0-httpdownload	
	Description:	
	Summary of HGL attributes of Eastern Murray study area.	
	Function: download	
Download	Name: Download Package	
<u>Package</u>	Protocol: WWW:DOWNLOAD-1.0-httpdownload	
	Description:	
	ArcGIS Geodatabase and Shapefile an Excel table displaying HGL attributes.	
	Function: download	
Unique resour	ce 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 repres	entation		
Туре	vector		
Geometric Object Type	complex		
Spatial refere	nce 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 - <u>http://www.environment.nsw.gov.au/salinity/science/hgl.htm</u> . 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 categor	у		
Keyword set			
keyword value		GEOSCIENCES-Geology	
		GEOSCIENCES-Geomorphology	
		HAZARDS LAND-Use	
		SOIL	
		WATER-Salinity GEOSCIENCES-Hydrogeology	
		WATER-Salinity	
Originating contr	olled vocabulary	WATER-Salinity GEOSCIENCES-Hydrogeology	
Originating contr Title	olled vocabulary	WATER-Salinity GEOSCIENCES-Hydrogeology	
	olled vocabulary	WATER-Salinity GEOSCIENCES-Hydrogeology BOUNDARIES-Biophysical	
Title		WATER-Salinity GEOSCIENCES-Hydrogeology BOUNDARIES-Biophysical ANZLIC Search Words	
Title Reference date	cation	WATER-Salinity GEOSCIENCES-Hydrogeology BOUNDARIES-Biophysical ANZLIC Search Words	
Title Reference date Geographic lo	cation	WATER-Salinity GEOSCIENCES-Hydrogeology BOUNDARIES-Biophysical ANZLIC Search Words 2008-05-16	
Title Reference date Geographic lo West bounding lo	cation ongitude ngitude	WATER-Salinity GEOSCIENCES-Hydrogeology BOUNDARIES-Biophysical ANZLIC Search Words 2008-05-16 146.163	

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);	Minimum value	-100		
Authority codeurn:ogc:def:cs:EPSG:: 5711Code identifying the coordinate reference system5711Temporal extent2008-07-01End positionN/ADataset reference dateResource maintenanceMaintenance and update frequencyNot plannedContact positionData BrokerOrganisation nameNSW Department of Climate Change, Energy, the Environment and WaterTelephone number131555Email addressdata.broker@environment.nsw.gov.auWeb addresshttps://www.nsw.gov.au/departments-and-agencies/doceewyResponsible party rolepointOfContact	Maximum value	2228		
Code identifying the coordinate reference system 5711 Temporal extent 2008-07-01 Begin position 2008-07-01 End position N/A Dataset reference date N/A Resource maintenance Not planned 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 lands-up (HGL) mapping used the following base data for delineation of map units: published 1:1 million and 1:250 000 geological mapping data (polygon);	Coordinate reference system			
system 5711 Temporal extent 2008-07-01 Begin position N/A Dataset reference date N/A Dataset reference date Resource maintenance Maintenance and update frequency Not planned Contact info 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 delineatio of map units: published 1:1 million and 1:250 000 geological mapping data (polygon);	Authority code	urn:ogc:def:cs:EPSG::		
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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);	Temporal extent			
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 Environmen 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 delineatio of map units: published 1:1 million and 1:250 000 geological mapping data (polygon);	Begin position	2008-07-01		
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Maintenance and update frequency Not planned Maintenance and update frequency Not planned Contact info Data Broker Contact position Data Broker Organisation name NSW Department of Climate Change, Energy, the Environmen 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);	Dataset reference date			
Contact info Data Broker Organisation name NSW Department of Climate Change, Energy, the Environmen 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 delineatio of map units: published 1:1 million and 1:250 000 geological mapping data (polygon);	Resource maintenance			
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);	Maintenance and update frequency	Not planned		
Organisation name NSW Department of Climate Change, Energy, the Environmentand 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);	Contact info			
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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);	Organisation name	NSW Department of Climate Change, Energy, the Environment and Water		
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 delineatio of map units: published 1:1 million and 1:250 000 geological mapping data (polygon);	Telephone number	131555		
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);	Email address	data.broker@environment.nsw.gov.au		
Lineage The hydrogeological landscape (HGL) mapping used the following base data for delineatio of map units: published 1:1 million and 1:250 000 geological mapping data (polygon);	Web address	https://www.nsw.gov.au/departments-and-agencies/dcceew		
of map units: published 1:1 million and 1:250 000 geological mapping data (polygon);	Responsible party role	pointOfContact		
database (point); and Digital Elevation Model (DEM) for Murray CMA and derivative product taken from the 25 metre DEM. The published and reconnaissance level mapping were	of map units: published 1: published 1:250 000 soil la database (point); and Digi taken from the 25 metre combined and rationalised	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		

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 Completene	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 Ex	ternal 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 Quantit	ative 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	on Data Broker		
Organisation n	NSW Department of Climate Change, Energy, the Environment and Water		
Telephone nun	nber 131555		
Email address	data.broker@environment.nsw.gov.au		
Web address	https://www.nsw.gov.au/departments-and-agencies/dcceew		
Responsible pa	arty 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	2024-02-26T12:45:03.524259			
Metadata language				