Title Hydrogeological Landscapes for the Eastern Murray Catchment: May 2015 (Second

Alternative _

Eastern Murray Hydrogeological Landscapes 2015

Abstract

title(s)

*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 Name: Appendices C & D Appendices C & D Protocol: WWW:DOWNLOAD-1.0-http--download Description: Data sources and dataset attribute table information and colour schemes. Function: download Name: Guidelines for Managing Salinity in Rural Areas **Guidelines for** Managing Protocol: WWW:DOWNLOAD-1.0-http--download Salinity in Rural 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 **Eastern Murray** Protocol: WWW:DOWNLOAD-1.0-http--download HGL Description: Summary of HGL attributes of Eastern Murray study area. Function: download Name: Download Package **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 Map digital form Edition Second Dataset **English** language Metadata standard Name ISO 19115 Edition 2016 Dataset URI https://datasets.seed.nsw.gov.au/dataset/7bb51e13-0d8c-4f3d-8f46-f416d05ecd86 This data package was originally generated for the Murray Catchment Management Purpose 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 - 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 SI/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		
Topic categor Keyword set	у		
	GEOSCIENCES-Geology		
Keyword set	GEOSCIENCES-Geology GEOSCIENCES-Geomorphology		
Keyword set	GEOSCIENCES-Geology GEOSCIENCES-Geomorphology HAZARDS		
Keyword set	GEOSCIENCES-Geology GEOSCIENCES-Geomorphology HAZARDS LAND-Use		
Keyword set	GEOSCIENCES-Geology GEOSCIENCES-Geomorphology HAZARDS LAND-Use SOIL		
Keyword set	GEOSCIENCES-Geology GEOSCIENCES-Geomorphology HAZARDS LAND-Use SOIL WATER-Salinity		
Keyword set	GEOSCIENCES-Geology GEOSCIENCES-Geomorphology HAZARDS LAND-Use SOIL		
Keyword set	GEOSCIENCES-Geology GEOSCIENCES-Geomorphology HAZARDS LAND-Use SOIL WATER-Salinity GEOSCIENCES-Hydrogeology BOUNDARIES-Biophysical		
Keyword set	GEOSCIENCES-Geology GEOSCIENCES-Geomorphology HAZARDS LAND-Use SOIL WATER-Salinity GEOSCIENCES-Hydrogeology BOUNDARIES-Biophysical		
Keyword set keyword value Originating contr	GEOSCIENCES-Geology GEOSCIENCES-Geomorphology HAZARDS LAND-Use SOIL WATER-Salinity GEOSCIENCES-Hydrogeology BOUNDARIES-Biophysical		
Keyword set keyword value Originating contr	GEOSCIENCES-Geology GEOSCIENCES-Geomorphology HAZARDS LAND-Use SOIL WATER-Salinity GEOSCIENCES-Hydrogeology BOUNDARIES-Biophysical olled vocabulary ANZLIC Search Words 2008-05-16		
Keyword set keyword value Originating contr Title Reference date	GEOSCIENCES-Geology GEOSCIENCES-Geomorphology HAZARDS LAND-Use SOIL WATER-Salinity GEOSCIENCES-Hydrogeology BOUNDARIES-Biophysical olled vocabulary ANZLIC Search Words 2008-05-16		
Keyword set keyword value Originating contr Title Reference date Geographic lo	GEOSCIENCES-Geology GEOSCIENCES-Geomorphology HAZARDS LAND-Use SOIL WATER-Salinity GEOSCIENCES-Hydrogeology BOUNDARIES-Biophysical olled vocabulary ANZLIC Search Words 2008-05-16 cation		
Keyword set keyword value Originating contr Title Reference date Geographic lo West bounding lo	GEOSCIENCES-Geology GEOSCIENCES-Geomorphology HAZARDS LAND-Use SOIL WATER-Salinity GEOSCIENCES-Hydrogeology BOUNDARIES-Biophysical olled vocabulary ANZLIC Search Words 2008-05-16 Cation ongitude 146.163 ngitude 148.255		

Minimum value		-100
Maximum value		2228
Coordinate ı	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 re	eference 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	of map units: published 1 published 1:250 000 soil I database (point); and Dig taken from the 25 metre combined and rationalise	scape (HGL) mapping used the following base data for delineation: 1 million and 1:250 000 geological mapping data (polygon); andscape data (polygon); soil profile data from the OEH SALIS lital Elevation Model (DEM) for Murray CMA and derivative products DEM. The published and reconnaissance level mapping were do to create complete hydrogeological landscape classification (mattire 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

Metadata point of contactContact 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/dcceewResponsible party rolepointOfContactMetadata date2024-02-26T12:45:03.524259

Metadata language