Title	Bathurst Rural Hydrogeological Landscapes: June 2011 (First Edition)
Alternative title(s)	Bathurst Rural HGLs
Abstract	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 package is the rural areas managed by the Bathurst Regional Council (BRC). This metadata relates to the maps and digital spatial data developed for the project, including derivative maps to assist in land management decision making. 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. Spatial resolution for this product is 1:50 000.

Resource locator

Data Quality Statement	Name: Data Quality Statement Protocol: WWW:DOWNLOAD-1.0-http--download Description: DQS – Bathurst Rural Hydrogeological Landscapes: June 2011 (First Edition) Function: download

Unique resource identifier

Code	8c17e13e-53c4-4a6a-9810-211650168256

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/8c17e13e-53c4-4a6a-9810-211650168256
Purpose	This data package was generated for the Bathurst Regional Council (BRC). It provides a framework to assist in the understanding of landscapes, the variability across the landscape and appropriate management activities. It will allow for more informed decisions leading to better planning and rural development strategic outcomes.
Status	Completed

Spatial representation

Type	vector
Geometric	complex

Object Type

Spatial reference system

Code identifying the spatial reference system	4283

Equivalent scale

1:None

Additional information source

Source datasets: Soil Landscapes of the Bathurst 1:250 000 sheet (OEH); Central West CMA Hydrogeological Landscape Systems (CW CMA); GEODATA TOPO 250K Series 3 (Geoscience Australia); Geophysical Datasets - radiometrics (Geoscience Australia - GADDS); Bathurst NSW Regolith-Landform map 1:250 000 (Geoscience Australia); Bathurst NSW Regolith-Landform map 1:100 000 (Geoscience Australia); Surface Geology of Australia 1:1 million scale, New South Wales - 2010 edition (Geoscience Australia); Bathurst 1:250 000 Geological Sheet SI/55-08, second edition (Geoscience Australia/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	BOUNDARIES-Biophysical
	SOIL
	GEOSCIENCES-Geology
	GEOSCIENCES-Geomorphology
	GEOSCIENCES-Hydrogeology
	WATER-Salinity
	LAND-Use

Originating controlled vocabulary

Title	ANZLIC Search Words
Reference date	2008-05-16

Geographic location

West bounding longitude	149.117
East bounding longitude	150.067
North bounding latitude	-34
South bounding latitude	-32.942

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	2011-01-01
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: published 1:250 000 geological mapping data (polygon); published 1:250 000 soil landscape data (polygon); published 1:250 000 and 1:100 000 regolith-landform mapping data (polygon); hydrogeological landscape systems data for the Central West CMA area (polygon); Digital Elevation Model (DEM) for the Central West CMA area and derivative products taken from the 25 metre DEM; geophysical (radiometrics) imagery; and field observations and assessment. The published and reconnaissance level mapping were combined and rationalised to create a complete hydrogeological landscape classification (map unit) coverage for the entire Bathurst Rural Study Area.

Limitations on public access

Scope	dataset

DQ Completeness Commission

Effective date	2011-07-01
Explanation	Spatial data capture is complete for presentation and usage at 1:50 000 only.

DQ Completeness Omission

Effective date	2001-01-01

DQ Conceptual Consistency

Effective date	1900-01-01

DQ Topological Consistency

Effective date	2011-07-01
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	2011-07-01
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	2011-07-01
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 contact

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Responsible party role	pointOfContact

Metadata date

2024-02-26T13:07:10.279888

Metadata language