

Title	Bathurst Urban Hydrogeological Landscapes: June 2011 (First Edition)
Alternative title(s)	Bathurst Urban HGLs
Abstract	<p>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 Bathurst urban area 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.</p> <p>Spatial resolution for this product is 1:10 000.</p>
Resource locator	
Data Quality Statement	<p>Name: Data Quality Statement</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Description:</p> <p>DQS - Bathurst Urban Hydrogeological Landscapes: June 2011 (First Edition)</p> <p>Function: download</p>
Unique resource identifier	
Code	ae641632-8982-4a49-bf00-9fa73e88b7b0
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/ae641632-8982-4a49-bf00-9fa73e88b7b0
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, appropriate management activities and an understanding of salinity impacts in heritage areas. It will allow for more informed decisions leading to better planning and urban development strategic outcomes.
Status	Completed
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	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); Surface Geology of Australia 1:1 million scale, New South Wales - 2010 edition (Geoscience Australia); Bathurst NSW Regolith-Landform map 1:100 000 (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	149.383
East bounding longitude	149.7
North bounding latitude	-33.55
South bounding latitude	-33.283
NSW Place Name	Bathurst
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 1:100 000 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 Urban 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 1:10 000 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. Greater accuracy is achieved through field observations and assessment.
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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Metadata date 2024-02-26T13:08:59.857379

Metadata language