

Title	High Ecological Value Waterways and Water Dependent Ecosystems - PENRITH LGA
Alternative title(s)	HEVwater PENRITH LGA
Abstract	<p>A map of the high ecological value waterways and water dependent ecosystems for the Penrith LGA was prepared by the Science Division of the Department of Planning, Industry and Environment, with input layers and support for the map provided by the former NSW Department of Primary Industries-Fisheries and Department of Industry-Crown Lands and Water. The basis for the map arises from Science Division inputs to strategic planning processes. For example, the map has been included in the Land Use and Infrastructure Implementation Plans for the Wilton (Wilton2040, page 22) and Greater Macarthur (interim plan, page 36) Priority Growth Areas. This map was specifically developed for input to Local Government Local Strategic Planning Statements to support Council's delivery of Strategy 25.1 of the Greater Sydney Region Plan.</p> <p>The map shows areas where waterways and water dependent ecosystems are defined as high ecological value, based on definitions, guidelines and policies under the Environment Protection and Biodiversity Conservation Act 1999, Biodiversity Conservation Act 2016, Fisheries Management Act 1994 and Water Management Act 2000. Water dependent ecosystems are defined as wetlands, and flora and fauna that rely on water sources (including groundwater). The map represents an overlay of 39 indicators being used by the State Government to define high value, however, not all 39 indicators will be present in any one LGA (see Attachment 1 below). For example, there are 17 indicators making up the map for the Penrith LGA. It should also be noted that the individual indicators have not been ground-truthed and it is recommended that field assessments and/or a comparison to local mapping be undertaken prior to any decisions being made. The map was created by initially placing a 1 ha (to correspond with a lot size) hexagon grid over the LGA, and attributing the grid with the area, length and/or frequency of occurrence of high value water dependent ecosystems. The purpose of the map is to identify strategic planning priorities for protecting and improving the health of high value waterways and water dependent ecosystems in the LGA. Once identified, the priorities can be used as a basis for identifying aquatic biodiversity refugia, stream rehabilitation efforts and setting management targets and/or land use planning controls that would protect or improve the health of waterways and water dependent ecosystems so they provide the essential services and functions expected of a cool blue-green corridor.</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>Data quality statement for High Ecological Value Waterways and Water Dependent Ecosystems - PENRITH LGA</p> <p>Function: download</p>
HEVwater PENRITH LGA	<p>Name: HEVwater PENRITH LGA</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Description:</p> <p>This file contains ESRI format shapefile and jpg coverage map output.</p> <p>Function: download</p>
HEVwater PENRITH LGA map	<p>Name: HEVwater PENRITH LGA map</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Description:</p> <p>This file presents the HEVwater coverage within the Local Government Area.</p> <p>Function: download</p>
Attachment 1_Penrith LGA Indicators	<p>Name: Attachment 1_Penrith LGA Indicators</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p>

Description:

Datasets describing high value waterways and water dependent ecosystems in the Penrith LGA

Function: download

Unique resource identifier

Code 8d969a15-734c-4f6c-89ba-fb3339bd71fb

Presentation form Map digital

Edition 1

Dataset language English

Metadata standard

Name ISO 19115

Edition 2016

Dataset URI <https://datasets.seed.nsw.gov.au/dataset/8d969a15-734c-4f6c-89ba-fb3339bd71fb>

Purpose Local Government Local Strategic Planning Statements

Status Completed

Spatial representation

Type vector

Geometric Object Type complex

Spatial reference system

Code identifying the spatial reference system 4283

Spatial resolution 100 m

Topic category

Keyword set

keyword value

- WATER
- WATER-Wetlands
- WATER-Hydrology
- WATER-Groundwater
- MARINE-Coasts
- MARINE-Estuaries
- ECOLOGY-Ecosystem

Originating controlled vocabulary

Title	ANZLIC Search Words
Reference date	2008-05-16

Geographic location

West bounding longitude	150.58839
East bounding longitude	150.8235
North bounding latitude	-33.88318
South bounding latitude	-33.61228
NSW Place Name	PENRITH LGA

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	2019-07-26
End position	N/A

Dataset reference date**Resource maintenance**

Maintenance and update frequency	As needed
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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

Original lineage source data has been utilised in the preparation of the HEVwater Integrated layers for each of the LGAs within the Greater Sydney Region.

Refer to: <https://iar.environment.nsw.gov.au/dataset/hevwater-penrith/resource/89096219-5ae9-4689-8677-b04e0d93c72c>

Limitations on public access

Scope dataset

DQ Completeness Commission

Effective date 2019-07-26

Explanation Dataset from Bionet is based on set date range. Data may contain duplicated sightings for same species within a single location.

DQ Completeness Omission

Effective date 2019-07-26

Explanation Dataset for Vegetation may contain absent species. No consistent and single vegetation layer is currently available. Vegetation is derived from multiple sources and dates.

DQ Topological Consistency

Effective date 2019-07-26

Explanation Topological characteristics of the dataset is consistent with the source data used to derive the HEVwater products. Geodatabases have been used to ensure some accuracy is maintained throughout the process.

DQ Absolute External Positional Accuracy

Effective date 2019-10-03

Explanation Limited ground truthing of individual attributes have taken place in the South Creek/Wianamatta catchment via direct field assessments in 261 sites and this has found that the overall map of 'High Ecological Value Waterways and Water Dependent Ecosystems' has an accuracy of >80%.

However, it is recommended that ground truthing of the map for your local LGA be undertaken prior to any decisions being made.

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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Metadata date 2024-02-26T13:33:20.547230

Metadata language