Title	High Ecological Value Waterways and Water Dependent Ecosystems - CUMBERLAND LGA
Alternative title(s)	HEVwater CUMBERLAND LGA

Abstract

A map of the high ecological value waterways and water dependent ecosystems for the Cumberland 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.

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 15 indicators making up the map for the Cumberland 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.

Resource locator

Data Quality Statement	Name: Data Quality Statement Protocol: WWW:DOWNLOAD-1.0-http--download Description: Data quality statement for High Ecological Value Waterways and Water Dependent Ecosystems - CUMBERLAND LGA Function: download
HEVwater CUMBERLAND LGA	Name: HEVwater CUMBERLAND LGA Protocol: WWW:DOWNLOAD-1.0-http--download Description: This file contains ESRI format shapefile and jpg coverage map output Function: download
HEVwater CUMBERLAND LGA map	Name: HEVwater CUMBERLAND LGA map Protocol: WWW:DOWNLOAD-1.0-http--download Description: This file presents the HEVwater coverage within the Local Government Area. Function: download
Attachment 1_Cumberland	Name: Attachment 1_Cumberland LGA Indicators Protocol: WWW:DOWNLOAD-1.0-http--download

LGA Indicators	Description: Datasets describing high value waterways and water dependent ecosystems in the Cumberland LGA Function: download

Unique resource identifier

Code	a0508c14-60f5-4a87-9502-9f2d006be936

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/a0508c14-60f5-4a87-9502-9f2d006be936
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	150.91242
East bounding longitude	151.07052
North bounding latitude	-33.88828
South bounding latitude	-33.78525
NSW Place Name	CUMBERLAND 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
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-cumberland/resource/de8ac463-9c0d-4c3f-af06-f27bbc081e00

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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Responsible party role	pointOfContact

Metadata date

2024-02-26T15:39:28.641977

Metadata language