

Title	High Ecological Value Waterways and Water Dependent Ecosystems - CANADA BAY LGA
Alternative title(s)	HEVwater CANADA BAY LGA
Abstract	A map of the high ecological value waterways and water dependent ecosystems for the Canada Bay 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 12 indicators making up the map for the Canada Bay 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 - CANADA BAY LGA Function: download HEVwater CANADA BAY LGA Name: HEVwater CANADA BAY LGA Protocol: WWW:DOWNLOAD-1.0-http--download Description: This file contains ESRI format shapefile and jpg coverage map output. Function: download HEVwater CANADA BAY LGA map Name: HEVwater CANADA BAY 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_Canada Bay Name: Attachment 1_Canada Bay LGA Indicators Protocol: WWW:DOWNLOAD-1.0-http--download

LGA Indicators Description: Datasets describing high value waterways and water dependent ecosystems in the Canada Bay LGA Function: download	
Unique resource identifier	
Code	550ed61f-179f-4ab9-8b08-b0b593622df8
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/550ed61f-179f-4ab9-8b08-b0b593622df8
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	151.07802
East bounding longitude	151.1647
North bounding latitude	-33.87419
South bounding latitude	-33.82284
NSW Place Name	CANADA BAY 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-canada-bay/resource/2c69dc21-02d8-479e-91a1-97ce4704ae12	
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
Metadata point of contact	
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Responsible party role	pointOfContact
Metadata date	2024-02-26T13:28:37.109964
Metadata language	