Title	High Ecological Value Aquatic Ecosystem (HEVAE) Instream Value of freshwater rivers in NSW

Abstract	
	The NSW riverine High Ecological Value Aquatic Ecosystem (HEVAE) project aims to identify and define a range of instream values and levels of importance for freshwater river reaches in NSW. These values will assist in the prioritisation of areas for focused water management, to assist with water sharing between water users and the environment. The water management options include assessment of access and trade rules within Water Sharing Plans (WSPs). The HEVAE product enables NSW DCCEEW Water to better meet water management requirements under the Water Management Act 2000 and Murray-Darling Basin Plan 2012.
	The HEVAE Framework was developed by the Commonwealth Government as part of the Australian Aquatic Ecosystem Toolkit and has been adopted by NSW DCCEEW Water as a progressive step to replace other NSW instream value assessments with a National approach. Although the HEVAE Framework advocates using five key criteria (Aquatic Ecosystems Task Group 20102a), NSW DCCEEW Water has adopted four criteria, diversity, distinctiveness, naturalness and vital habitat. Vital habitat data not able to be determined in the coastal HEVAE assessment due to lack of suitable data. Lack of State-wide data prevented inclusion of the fifth criterion (representativeness). Each of the four criteria relies on state-wide or regional availability of instream value data, to enable the production of consistent spatial mapping outcomes. Mapping outputs were derived at the river reach scale and the overall HEVAE scores identify where the best instream values occur within a catchment. The overall riverine HEVAE outcomes can be examined to determine which particular individual values (e.g. a threatened fish species in the Distinctiveness criteria) are influencing the final HEVAE scores.
	This HEVAE report provides the rationale and describes the methods adapted from the Commonwealth HEVAE Framework for instream value and for each of the four criteria used. Details are provided on the weightings used, and scoring approaches, providing the overall HEVAE scores for each river reach.
	This dataset contains polyline features defining NSW freshwater riverine instream value. The dataset enables the inclusion of the most up-to-date instream value or asset information to inform water planning needs in NSW. It also spatially enables the identification of contemporary instream value data at the river reach scale, that can then inform water sharing rules at different scales required (e.g. management zone or surface water source), The dataset facilitates the generation of HEVAE outcomes to inform the risk assessment process and associated strategies in WSPs and WRPs, which are requirements under NSW legislation, as well as the Basin Plan.
	Note: If you would like to ask a question, make any suggestions, or tell us how you are using this dataset, please visit the NSW Water Hub (within SEED) which has an online forum you can join.

Resource locator

Show on SEED Web Map	Name: Show on SEED Web Map
	Protocol: WWW:DOWNLOAD-1.0-http--download
	Description:
	Display dataset on SEED's map
	Function: download
Data Quality Statement	Name: Data Quality Statement
	Protocol: WWW:DOWNLOAD-1.0-http--download
	Description:
	Data quality statement for NSW HEVAE Instream Value
	Function: download
Applying the High Ecological	Name: Applying the High Ecological Value Aquatic Ecosystem (HEVAE)

Value Aquatic Ecosystem (HEVAE) Framework for Riverine Ecosystems	Framework for Riverine Ecosystems
	Protocol: WWW:DOWNLOAD-1.0-http--download
	Description:
	This HEVAE report provides the rationale and describes the methods adapted from the Commonwealth HEVAE Framework for instream value and for each of the four criteria used. Details are provided on the weightings used, and scoring approaches, providing the overall HEVAE scores for each river reach.
	Function: download
Metadata Statement - NSWHEVAE.pdf	Name: Metadata Statement - NSWHEVAE.pdf
	Protocol: WWW:DOWNLOAD-1.0-http--download
	Description:
	Metadata Statement - NSWHEVAE
	Function: download
Download Package	Name: Download Package
	Protocol: WWW:DOWNLOAD-1.0-http--download
	Description:
	Data (Esri Geodatabase and Shapefile)
	Function: download
NSW_HEVAE_Instream_Value (MapService) (nsw.gov.au)	Name: NSW_HEVAE_Instream_Value (MapService) (nsw.gov.au)
	Protocol: WWW:DOWNLOAD-1.0-http--download
	Description:
	ESRI Rest Map Service of HEVAE Instream Value of freshwater rivers in NSW
	Function: download
NSW_HEVAE_Instream_Value (FeatureService) (nsw.gov.au)	Name: NSW_HEVAE_Instream_Value (FeatureService) (nsw.gov.au)
	Protocol: WWW:DOWNLOAD-1.0-http--download
	Description:
	ESRI Rest Feature Service of HEVAE Instream Value of freshwater rivers in NSW
	Function: download
NSW_HEVAE_Instream_Value (WMS) (nsw.gov.au)	Name: NSW_HEVAE_Instream_Value (WMS) (nsw.gov.au)
	Protocol: WWW:DOWNLOAD-1.0-http--download
	Description:
	WMS of HEVAE Instream Value of freshwater rivers in NSW
	Function: download
NSW_HEVAE_Instream_Value (WFS) (nsw.gov.au)	Name: NSW_HEVAE_Instream_Value (WFS) (nsw.gov.au)
	Protocol: WWW:DOWNLOAD-1.0-http--download
	Description:
	WFS of HEVAE Instream Value of freshwater rivers in NSW
	Function: download

Unique resource identifier

Code	e855bf1c-abe7-4142-8fbc-58a5ad8f529e

Presentation form	Map digital
Edition	1.0
Dataset language	English
Metadata standard	
Name	ISO 19115
Edition	2016
Dataset URI	https://datasets.seed.nsw.gov.au/dataset/e855bf1c-abe7-4142-8fbc-58a5ad8f529e
Purpose	The NSW riverine High Ecological Value Aquatic Ecosystem (HEVAE) project aims to provide details on where instream values that could potentially be impacted by extraction occur in freshwater river reaches in NSW. The outputs are used to inform the risk to the environment from water extraction and enable objective decision making on rules within NSW Water Sharing Plans.
Status	Completed
Spatial representation	
Type	vector
Spatial reference system	
Code identifying the spatial reference system	4283
Spatial resolution	1 km
Topic category	

Keyword set	
keyword value	WATER
Originating controlled vocabulary	
Title	ANZLIC Search Words
Reference date	2008-05-16
Geographic location	
West bounding longitude	141
East bounding longitude	154
North bounding latitude	-37.7
South bounding latitude	-28
NSW Place Name	NSW
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	2014-10-20
End position	N/A
Dataset reference date	
Resource maintenance	
Maintenance and update frequency	Irregular
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	.
Limitations on public access	

Responsible party

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Metadata date	2024-09-20T04:45:52.801835

Metadata language