

Title	Vulnerable Estuaries and ICOLLS
Alternative title(s)	Vulnerable Estuaries
Abstract	<p>This dataset identifies estuaries that are vulnerable or susceptible to the impacts of land-based inputs of pollutants such as urban stormwater or agricultural runoff. A higher level of management intervention is needed to protect, maintain and/or restore the water quality and ecological condition of vulnerable estuaries from these inputs.</p> <p>The vulnerability arises from inherent characteristics of the estuary that can determine where and how much the pollutants are transported and retained in the estuary. Inherent characteristics include catchment area, estuary surface area, estuary volume, estuary depth and the estuary entrance opening and closing regimes. All of these characteristics combine to influence the estuary hydrology such as tidal flushing, dilution capacity, and retention. For example, the vulnerability of estuaries that are classified as Intermittently Closed and Open Lakes and Lagoons (ICOLLS) is predominantly dependent on their state of connection to the sea which determines the rate of flushing. Those with a small catchment to waterway area ratio will have limited connections to the sea as a result, and will be relatively more susceptible.</p>
Resource locator	<p>Data Quality Statement Name: Data Quality Statement Protocol: WWW:DOWNLOAD-1.0-http--download Description: Data quality statement for Sensitivity of Estuaries to Land Use Change Function: download</p> <p>Vulnerable Estuaries and ICOLLS Name: Vulnerable Estuaries and ICOLLS Protocol: WWW:DOWNLOAD-1.0-http--download Description: This dataset identifies estuaries that are vulnerable or susceptible to the impacts of land-based inputs of pollutants such as urban stormwater or agricultural runoff. A higher level of management intervention is needed to protect, maintain and/or restore the water quality and ecological condition of vulnerable estuaries from these inputs. The vulnerability arises from inherent characteristics of the estuary that can determine where and how much the pollutants are transported and retained in the estuary. Inherent characteristics include catchment area, estuary surface area, estuary volume, estuary depth and the estuary entrance opening and closing regimes. All of these characteristics combine to influence the estuary hydrology such as tidal flushing, dilution capacity, and retention. For example, the vulnerability of estuaries that are classified as Intermittently Closed and Open Lakes and Lagoons (ICOLLS) is predominantly dependent on their state of connection to the sea which determines the rate of flushing. Those with a small catchment to waterway area ratio will have limited connections to the sea as a result, and will be relatively more susceptible. Function: download</p>
Unique resource identifier	
Code	7e720b49-4e2b-47ff-92e3-1e5bae0a548d
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/7e720b49-4e2b-47ff-92e3-1e5bae0a548d
Purpose	High Ecological Value dataset for Regional Planning
Status	Completed
Spatial representation	
Type	vector
Geometric Object Type	surface
Geometric Object Count	1
Spatial reference system	
Code identifying the spatial reference system	4283
Equivalent scale	1:None
Additional information source	The dataset was originally developed under the Monitoring, Evaluation and Reporting (MER) Program initiated by the NSW Government in 2007 to assess and better manage the health of natural resources across the State. The MER Program is in response to the NSW Natural Resources MER Strategy which has the objective of providing appropriate information for decision-making by natural resource managers.
Topic category	

Keyword set	
keyword value	MARINE-Estuaries
Originating controlled vocabulary	
Title	ANZLIC Search Words
Reference date	2008-05-16
Geographic location	
West bounding longitude	148
East bounding longitude	154
North bounding latitude	-37.5
South bounding latitude	-28
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	2008-01-01
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	A GIS spatial layer of vulnerable estuaries and ICOLLS was developed using the Estuaries Surface Area/Boundary component of the Estuaries spatial layer developed by the Office of Environment and Heritage as part of the NSW Natural Resources Monitoring, Evaluation and Reporting Strategy 2010-2015. The Estuary Surface Area (boundary) was defined on the basis of whether an area is discernible in the 1:25,000 topographic map series available from the Land and Property Management Authority.

Limitations on public access

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
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Metadata language