Title	Vulnerable Estuaries and ICOLLS
Alternative title(s)	Vulnerable Estuaries
Abstract	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.

Resource locator

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
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

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
Responsible party role	pointOfContact

Metadata point of contact

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Responsible party role	pointOfContact

Metadata date

2024-02-26T13:44:20.461931

Metadata language