

<b>Title</b>	NSW estuary health risk dataset
<b>Abstract</b>	<p>The NSW Estuary Health Risk Dataset was created to support Stage 1 of preparing Coastal Management Programs under the NSW Coastal Management Manual (2018). The dataset identifies land-use pressures and consequent risks of impacts on the ecological health of estuaries. Risks associated with other pressures, such as acid sulfate soils, erosion and contaminants, are not captured. The dataset can be used to spatially prioritise where further studies and/or management actions in the catchment would contribute to achieving outcomes, specific to the management objectives for Coastal Environment Areas, and Coastal Wetlands and Littoral Rainforests Areas which are specified in the Coastal Management Act 2016. The dataset includes two shapefiles and one raster file for each estuary and its associated catchment in NSW. It is recommended that all files be reviewed to help set the context for the estuary health risk. A data report describing how the dataset was created and how it should be used is available here: <a href="https://www.environment.nsw.gov.au/research-and-publications/publications-search/nsw-estuary-health-risk-dataset">https://www.environment.nsw.gov.au/research-and-publications/publications-search/nsw-estuary-health-risk-dataset</a>.</p> <p>To access the dataset, you may contact the Data Broker and request the Estuary Health Risk dataset for your estuary. Appendix B of the data report provides a list of data available. Alternatively, you may download the dataset for all estuaries located in the 'Dataset Packages' drop down below.</p>
<b>Resource locator</b>	
<a href="#">Data Quality Statement</a>	<p>Name: Data Quality Statement</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Description:</p> <p>Data quality statement for NSW estuary health risk dataset</p> <p>Function: download</p>
<a href="#">Health Risk Report</a>	<p>Name: Health Risk Report</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Description:</p> <p>PDF Document</p> <p>Function: download</p>
<a href="#">Download Package (All Estuary Health Risk Data)</a>	<p>Name: Download Package (All Estuary Health Risk Data)</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Description:</p> <p>Data (Shapefile, Grids and Tiffs)</p> <p>Function: download</p>
<b>Unique resource identifier</b>	
Code	3cbb800a-0ac2-4eed-8bce-15601e4a665f
<b>Presentation form</b>	Map digital
<b>Edition</b>	v1
<b>Dataset language</b>	English
<b>Metadata standard</b>	
Name	ISO 19115
Edition	2016

<b>Dataset URI</b>	<a href="https://datasets.seed.nsw.gov.au/dataset/3cbb800a-0ac2-4eed-8bce-15601e4a665f">https://datasets.seed.nsw.gov.au/dataset/3cbb800a-0ac2-4eed-8bce-15601e4a665f</a>
<b>Purpose</b>	Supporting dataset for the Coastal Management Toolkit
<b>Status</b>	Completed
<b>Spatial representation</b>	
Type	vector
Geometric Object Type	surface
<b>Spatial reference system</b>	
Code identifying the spatial reference system	4283
<b>Spatial resolution</b>	100 m
<b>Topic category</b>	

<b>Keyword set</b>	
keyword value	MARINE-Estuaries MARINE-Coasts MARINE-Human-Impacts
<b>Originating controlled vocabulary</b>	
Title	ANZLIC Search Words
Reference date	2008-05-16
<b>Geographic location</b>	
West bounding longitude	147.204491
East bounding longitude	153.607761
North bounding latitude	-37.410311
South bounding latitude	-28.359697
<b>Vertical extent information</b>	
Minimum value	-100
Maximum value	2228
<b>Coordinate reference system</b>	
Authority code	urn:ogc:def:cs:EPSG::
Code identifying the coordinate reference system	5711
<b>Temporal extent</b>	
Begin position	2003-01-01
End position	N/A
<b>Dataset reference date</b>	
<b>Resource maintenance</b>	
Maintenance and update frequency	As needed
<b>Contact info</b>	
Contact position	Data Broker
Organisation name	NSW Department of Climate Change, Energy, the Environment and Water
Telephone number	131555
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Responsible party role	pointOfContact

**Lineage** The subcatchment boundaries were created using ArcHydro tools using a 25m digital elevation model. Flow directions were constrained by known Hydrolines (stream network) and the upper tidal limit boundaries, which were created as part of the NSW Monitoring, Evaluation and Reporting Strategy 2010-2015. Modelled flow values and nitrogen, phosphorus and suspended solid loads were derived from unsaturated zone models PERFECT and HYDRUS2D, using specified climate, soil (Australian Great Soil Group) and land use (NSW Land Use 2003) categories. The flow values were multiplied by an event mean concentration for unique combinations of climate, soil and land use categories to determine load values. Risk scores were based on a risk analysis (likelihood x consequence), as per the NSW Treasury Risk Management Toolkit. Likelihood data represent the land use pressures arising from the each subcatchment (nitrogen, phosphorus and suspended solid loads). Consequence data represent the ecological response as determined estuary models, and proximity to environmental assets. A report providing detail on the methods is supplied with this dataset and should be referred to when interpreting the dataset.

Limitations on public access

Scope dataset

**DQ Completeness Omission**

Effective date 2019-01-15

Explanation The shapefile identified as '\*\_Health Risk' is not available for all estuaries and catchments. These are identified in the attribute table of the shapefile by '-999'. These include the following estuaries and catchments: Batemans Bay, Bermagui River, Botany Bay, Broken Bay, Brunswick River, Clyde River, Cooks River, Corindi River, Crooked River, Georges River, Hawkesbury River, Hunter River, Jervis Bay, Karuah River, Lane Cove River, Middle Harbour Creek, Moruya River, Parramatta River, Pittwater, Port Hacking, Port Jackson, Port Kembla, Port Stephens, Tomaga River, Twofold Bay and Ulladulla.

**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](mailto: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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Metadata date 2024-02-26T13:01:46.624742

Metadata language