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| 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 | |

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| 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 | |

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| 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 |
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| Email address | data.broker@environment.nsw.gov.au |
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Metadata language