Title	Estuary Drainage Catchments
Alternative title(s)	EstuaryDrainageCatchments
Abstract	Estuary Drainage Catchment is the hydrological boundary of the catchment draining to each estuary in NSW. There are two spatial layers - a line feature class (EstuaryDrainageCatchmentBdy) to record the source of the catchment boundaries linework and a polygon feature class (EstuaryDrainageCatchment) to record the surface area of the catchments. Both these layers are based on the digitising of catchments for the NSW Stressed Rivers Assessments conducted for the water sharing plan process. The 1:25,000 topographic map series and coastline layers from the Land and Property Management Authority were the primary datasets, modified by on-screen re-digitising of the true hydrological boundary adjacent to the estuary mouth and coastline. Stressed Rivers boundaries were modified further up-catchment when obvious errors were detected. Land draining directly to the sea has been labelled as 'nil estuary'. These layers provided the initial linework for developing the Estuary Tidal Limits datasets.
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: DQS - Estuary Drainage Catchments Function: download
Land EstuaryDrainageCatchment	Name: Land EstuaryDrainageCatchment Protocol: WWW:DOWNLOAD-1.0-http--download Description: Download Shapefile Function: download
WMS - Estuary Drainage Catchments	Name: WMS - Estuary Drainage Catchments Protocol: WWW:DOWNLOAD-1.0-http--download Description: Connect to Web Map Service (view in GIS) Function: download
Connect to KML service (view in Google Earth)	Name: Connect to KML service (view in Google Earth) Protocol: WWW:DOWNLOAD-1.0-http--download Description: Connect to KML service (view in Google Earth) Function: download
Connect to REST Service (JSON, SOAP)	Name: Connect to REST Service (JSON, SOAP) Protocol: WWW:DOWNLOAD-1.0-http--download Description:

	Estuary Drainage Catchments - REST Function: download
Unique resource identifier	
Code	1e1d5de5-2557-4355-82ba-a99dc0274556
Presentation form	Document digital
Edition	Not known
Dataset language	English
Metadata standard	
Name	ISO 19115
Edition	2016
Dataset URI	https://datasets.seed.nsw.gov.au/dataset/1e1d5de5-2557-4355-82ba-a99dc0274556
Purpose	This estuary dataset was developed under a new 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.
Status	Completed
Spatial representation	
Type	vector
Geometric Object Type	curve
Geometric Object Count	275
Spatial reference system	
Code identifying the spatial reference system	4283
Equivalent scale	1:None
Additional information source	This mapping was done as part of the NSW Monitoring Evaluation and Reporting Program - Estuaries Theme REPORT_NSWEstuariesCatchments.doc
Topic category	

Keyword set

keyword value	BOUNDARIES MARINE-Estuaries WATER WATER-Hydrology
Originating controlled vocabulary	
Title	ANZLIC Search Words
Reference date	2008-05-16

Geographic location

West bounding longitude	149.872924
East bounding longitude	153.621636
North bounding latitude	-37.468817
South bounding latitude	-28.169266

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	2007-12-04
End position	N/A

Dataset reference date

Resource maintenance

Maintenance and update frequency	As needed
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	The Stressed Rivers Assessment mapping (ANZLIC metadata No: ANZNS0359000798) provided the foundation for the estuarine catchment boundaries. The combined hydrological catchments of the Stressed Rivers mapping were separated and defined using NSW 1:25,000 10m contours plus other dataset's SPOT5 imagery (ANZNS0281000254), orthorectified image mosaics (ANZNS0404001267), NSW DTDB landform contours (ANZNS0404000853). Any new catchment boundaries were screen digitised. The two layers were developed by combining the spatial features of existing datasets - Stressed Rivers Subcatchments, Coastline (mean high watermark)and Bay mouths. Of these datasets the Stressed Rivers Subcatchments and Coastline were the primary datasets used to define these catchments. In the majority of cases the Stressed Rivers Subcatchment boundaries were used unchanged however, there were instances where catchments have been combined (merged) or subdivided because they did not represent the true hydrological catchment/watershed. These adjustments have resulted in a spatial layer that accurately represents the hydrological estuarine catchments. Boundaries from the Stressed Rivers Subcatchment layer have been accepted as being correct however, some boundaries were identified as incorrectly representing catchments and in these instances they were adjusted through on screen digitising using spatial data including Topographic contour and drainage lines along with imagery and DEM. This process was not performed uniformly across the dataset only where problems were identified. There still exists boundaries that are 40-50m out and in some instances this error may be greater. It was also difficult in the flatter areas adjoining the coast to identify the boundary between the catchment and beach area. In these instances where the contour or DEM information was not useful the boundary has been captured parallel to the beach on the assumption that a sand dune exists. Further delineation of this boundary could be possible through the use of LiDAR or survey data. This level of accuracy is not required at this time. Investigation of macrophyte areas (Estuarine_Macrophytes) revealed several macrophyte occurrences outside of the catchments as defined earlier. These occurrences were investigated resulting in changes to several boundary locations. For example, Bowen Island as defined by the Bay mouths theme was altered to encompass the macrophyte information. Catchments where macrophyte information has altered the boundary include: Jervis Bay, Little Lake (Wallaga), Macleay River, Manning River, Meroo Lake, Sandon River, Tweed River.
Limitations on public access	

Scope	dataset

DQ Completeness Commission

Effective date	2009-01-10
Explanation	The dataset is complete.

DQ Completeness Omission

Effective date	2009-01-10

DQ Conceptual Consistency

Effective date	1900-01-01
Explanation	Topological consistency is performed as part of the quality assurance procedures using ESRI ArcGIS software where polygons must not overlap; must not have gaps. Check geometry and repair geometry were run with no error messages.

DQ Topological Consistency

Effective date	1900-01-01

DQ Absolute External Positional Accuracy

Effective date	1900-01-01
Explanation	The catchment boundaries have been based on the Stressed Rivers Catchment boundaries (SRC bdy). In some cases the SRC bdy have been merged to make larger catchments, whilst others have been subdivided. In other cases the location of the boundary has been altered. In carrying out this work the topographic drainage and contour layers have been referenced. On closer inspection of some of the SRC bdy (South Coast only) with topographic information of contour and drainage layers it is evident that the boundary may not always be correctly located. This error can be as minor as 40 - 50m or occasionally greater.

DQ Non Quantitative Attribute Correctness

Effective date	1900-01-01
Explanation	NAME: Catchment names were checked against the Geographic Names Board (GNB) names to get consistency between the GNB and coastal estuaries mapping. ESTUARY_NO: Estuary number is a unique number for each NSW estuary, with numbering from north to south and anti-clockwise around bays/harbours finishing with the bay/harbour/port polygon. TYPE: denotes whether the polygon is land (catchment), freshwater, tidal waters (estuarine). MGAZONE: provides details of the single or multiple MGA transvers mercator map projection zone a catchment falls into. AREA_m2_z55, AREA_Ha_z55: Area of the polygon in the associated MGA zone. AREA_m2_z56, AREA_Ha_z56: Area of the polygon in the associated MGA zone. NOT_MER: those with '1' in this column indicates the estuary does not have waterway area shown on the 1:25,000 topographic map. and therefore is not being included as part of the State MER program.

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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Metadata date

2024-02-26T14:08:54.576595

Metadata language