

<b>Title</b>	Estuary Catchment Streamflow and Surface Runoff: 1975-2007
<b>Abstract</b>	Catchment rainfall, runoff and evaporation were required to support the development of a new response-based estuary classification system based on dilution (from catchment runoff) and flushing characteristics. The classification system was used to stratify estuaries in NSW for the development of reference conditions and the design of a sampling program of chlorophyll a, turbidity and associated water quality parameters to assess estuary health. ; ; Catchment rainfall, runoff and evaporation were also required to support estimation of the loads of Total Suspended Solids, Total Nitrogen and Total Phosphorus exported from estuary catchments.; ; Monthly time series of estimated stream flow, surface flow and base flow were modelled for 197 coastal NSW catchments. Stream flow was estimated using the 2CSalt model.
<b>Resource locator</b>	
<a href="#">Data Quality Statement</a>	Name: Data Quality Statement Protocol: WWW:DOWNLOAD-1.0-http--download Description: Data quality statement for Estuary Catchment Streamflow and Surface Runoff: 1975-2007 Function: download
<a href="#">Estuary Catchment Streamflow and Surface Runoff: 1975-2007</a>	Name: Estuary Catchment Streamflow and Surface Runoff: 1975-2007 Protocol: WWW:DOWNLOAD-1.0-http--download Description: Download ZIP package Function: download
<b>Unique resource identifier</b>	
Code	63d4ecf7-e225-45ad-a5ec-79a0800e65cd
<b>Presentation form</b>	Document digital
<b>Edition</b>	1
<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/63d4ecf7-e225-45ad-a5ec-79a0800e65cd">https://datasets.seed.nsw.gov.au/dataset/63d4ecf7-e225-45ad-a5ec-79a0800e65cd</a>
<b>Purpose</b>	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.
<b>Status</b>	Completed
<b>Spatial representation</b>	textTable

type

**Spatial reference system**

Code identifying  
the spatial  
reference system      4283

**Equivalent  
scale**                      1:None

**Topic category**

<b>Keyword set</b>	
keyword value	MARINE MARINE-Estuaries WATER-Hydrology WATER-Surface
<b>Originating controlled vocabulary</b>	
Title	ANZLIC Search Words
Reference date	2008-05-16
<b>Geographic location</b>	
West bounding longitude	148
East bounding longitude	154
North bounding latitude	-37.5
South bounding latitude	-28
<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	1975-01-01
End position	N/A
<b>Dataset reference date</b>	
<b>Resource maintenance</b>	
Maintenance and update frequency	Unknown
<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

Monthly time series of estimated stream flow, surface flow and base flow were modelled for 197 coastal NSW catchments. Stream flow was estimated using the 2CSalt model and this work has been described in: ; Mark Littleboy, Jon Sayers and Jocelyn Dela-Cruz (2009). Hydrological modelling of coastal catchments in New South Wales. 18th World IMACS / MODSIM Congress, Cairns, Australia 13-17 July 2009. <http://mssanz.org.au/modsim09>.; ; Climate zones that reflect total rainfall and rainfall seasonality were defined by overlaying grids of average annual rainfall with proportion of average annual rainfall falling in winter months. For each of the 528 climate zones, daily weather data from 1956-2006 were extracted from the Queensland Department of Environment and Resource Management SILO dataset. The climate file closest to the centroid of each climate zone was obtained. The period 1956-1974 was used as a model warm-up period and results were extracted for 1975-2007.; ; 2CSalt (Stenson et al. 2005) was developed to provide water and salt inputs to regulated river models. It quantifies surface and subsurface contributions of salt and water export and predicts the impacts of land use change on water and salt export at a catchment scale. Outputs include monthly predictions of water and salt movement across several water pathways with a hillslope and alluvial groundwater store, leading to water and salt contributions to streams.

## Limitations on public access

Scope dataset

## DQ Completeness Commission

Effective date 2001-01-01

## DQ Completeness Omission

Effective date 2001-01-01

## DQ Conceptual Consistency

Effective date 1900-01-01

## DQ Topological Consistency

Effective date 1900-01-01

Explanation Checked for missing attributes All attributes were checked

## DQ Absolute External Positional Accuracy

Effective date 1900-01-01

## DQ Non Quantitative Attribute Correctness

Effective date 1900-01-01

## Responsible party

Contact position Data Broker

Organisation name NSW Department of Climate Change, Energy, the Environment and Water

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Responsible party role pointOfContact

## Metadata point of contact

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Responsible party role	pointOfContact

**Metadata date** 2024-02-26T13:07:07.266820

**Metadata language**