Title	Estuary Catchment Streamflow and Surface Runoff: 1975-2007
Abstract	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.

Resource locator

Data Quality Statement	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
Estuary Catchment Streamflow and Surface Runoff: 1975-2007	Name: Estuary Catchment Streamflow and Surface Runoff: 1975-2007 Protocol: WWW:DOWNLOAD-1.0-http--download Description: Download ZIP package Function: download

Unique resource identifier

Code	63d4ecf7-e225-45ad-a5ec-79a0800e65cd

Presentation form	documentDigital
Edition	1
Dataset language	eng

Metadata standard

Name	ANZLIC Metadata Profile: An Australian/New Zealand Profile of AS/NZS ISO 19115:2005, Geographic information - Metadata
Version	1.1

Dataset URI	https://datasets.seed.nsw.gov.au/dataset/63d4ecf7-e225-45ad-a5ec-79a0800e65cd
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	textTable

type	

Spatial reference system

Authority code	GDA94 Geographic (Lat\Long)
Code identifying the spatial reference system	4283

Equivalent scale

1:None

Topic category

Oceans

Keyword set

keyword value	MARINE
	MARINE-Estuaries
	WATER-Hydrology
	WATER-Surface

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	1975-01-01
End position	N/A

Dataset reference date

Date type	creation
Effective date	2009-03-09
Date type	publication
Effective date	2010-08-30

Resource maintenance

Maintenance and update frequency	unknown

Contact info

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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.

Constraint set

Scope	dataset

Completeness Commission

Date type	revision
Effective date	2001-01-01
Explanation	

Completeness Ommission

Date type	revision
Effective date	2001-01-01
Explanation	

Topological Consistency

Explanation	Checked for missing attributes All attributes were checked

Responsible party

Contact position	Data Broker
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Metadata point of contact

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Responsible party role	distributor

Metadata date

2009-03-09

Metadata language

eng