

Title	Macquarie Rivulet Flood Study - Report
Abstract	<p>The Macquarie Rivulet catchment drains an area of 110 square kilometres extending from the shores of Lake Illawarra upstream for a distance of approximately 23 km to the Illawarra escarpment. The upper parts of the catchment (up to 770 mAHD) are characterised by steep gradients moving to flatter terrain in the lower reaches of Macquarie Rivulet dropping to approximately mean sea level. The catchment is made up of a number of tributaries including the main Macquarie Rivulet, as well as Frazers Creek, Marshall Mount Creek and Yellow Rock Creek. There have been several recorded instances of flood-producing storms in the catchment, including February 1984, June 1991, February 1992 and most recently March 2011. The largest recent historical floods within the catchment are believed to have occurred in 1959, 1961 and 1975, however there is limited information regarding these earlier floods.</p> <p>The key objective of the Macquarie Rivulet Flood Study is the development of computational hydrologic and hydraulic models that define design flood behaviour for the 20%, 10%, 5%, 2%, 1%, 0.5% and the Probable Maximum Flood (PMF) design storms in the study area. The key sequential reporting stages include:</p> <ul style="list-style-type: none"> • Stage 1: Data Collection plus Assessment and Community Consultation; • Stage 2: Model Calibration and Validation; • Stage 3: Modelling and Mapping of Design Flood Events.
Resource locator	
Macquarie Rivulet Flood Study	<p>Name: Macquarie Rivulet Flood Study</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Function: download</p>
Unique resource identifier	
Code	676485e9-28d3-43bc-a152-bab4a00c7d89
Presentation form	
Edition	01/04/2020
Dataset language	English
Metadata standard	
Name	ISO 19115
Edition	2016
Dataset URI	https://datasets.seed.nsw.gov.au/dataset/676485e9-28d3-43bc-a152-bab4a00c7d89
Purpose	Land and Resource Management
Status	On going
Spatial representation	
Type	vector
Spatial reference system	
Code identifying the spatial reference	4283

system

Topic category

Keyword set

keyword value

Originating controlled vocabulary

Title	ANZLIC Search Words
Reference date	2008-05-16

Geographic location

West bounding longitude	150.609512
East bounding longitude	150.822372
North bounding latitude	-34.642812
South bounding latitude	-34.533712

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	
End position	N/A

Dataset reference date

Resource maintenance

Maintenance and update frequency	As needed
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Contact info

Contact position	Data Broker
Organisation name	Shellharbour City Council
Full postal address	records@shellharbour.nsw.gov.au
Email address	records@shellharbour.nsw.gov.au
Responsible party role	pointOfContact

Limitations on public access

Responsible party

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