

<b>Title</b>	Stony Creek Flood Study
<b>Abstract</b>	<p>The objectives of the Flood Study are to:</p> <ul style="list-style-type: none"> <li>• Identify all the flood-related data by searching all relevant data sources.</li> <li>• Determine the likely extent and nature of flooding and identify potential hydraulic controls by carrying out detailed site visits of the study area.</li> <li>• Define existing catchment condition flood behaviour for mainstream flooding in the catchment with due consideration to the impact of Lake Macquarie levels on flooding characteristics.</li> <li>• Define design flood levels, velocities and flow distributions for the catchment.</li> <li>• Define the extent of flooding for the 200 year, 100 year, 20 year, 10 year and 5 year ARI floods and Probable Maximum Flood (PMF) for the catchment.</li> <li>• Define Provisional Flood Hazard for the flood-affected areas.</li> <li>• Define the Hydraulic Categories for the flood-affected areas.</li> </ul> <p>Two numerical modelling tools were developed:</p> <ul style="list-style-type: none"> <li>• A hydrologic model to convert rainfall on the catchment into runoff. The hydrologic model combines rainfall information with local catchment characteristics to estimate runoff hydrographs.</li> <li>• A hydraulic model to convert runoff hydrographs into water levels and velocities throughout the study area. The model simulates the hydraulic behaviour of the water within the study area by accounting for flow in the major channels as well as all the potential overland flowpaths, which develop when the capacity of the channels is exceeded. It relies on boundary conditions, which include the runoff hydrographs produced by the hydrologic model and the appropriate downstream boundary level from Lake Macquarie.</li> </ul>
<b>Resource locator</b>	
<a href="#">Stony Creek - Flood Study December 2005</a>	<p>Name: Stony Creek - Flood Study December 2005</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Function: download</p>
<b>Unique resource identifier</b>	
<b>Code</b>	d9e2d457-3d04-4065-acec-dbd3bd979b3d
<b>Presentation form</b>	
<b>Edition</b>	15/09/2017
<b>Dataset language</b>	English
<b>Metadata standard</b>	
<b>Name</b>	ISO 19115
<b>Edition</b>	2016
<b>Dataset URI</b>	<a href="https://datasets.seed.nsw.gov.au/dataset/d9e2d457-3d04-4065-acec-dbd3bd979b3d">https://datasets.seed.nsw.gov.au/dataset/d9e2d457-3d04-4065-acec-dbd3bd979b3d</a>
<b>Purpose</b>	Land and Resource Management
<b>Status</b>	On going
<b>Spatial representation</b>	
<b>Type</b>	vector
<b>Spatial reference system</b>	
<b>Code identifying the spatial reference system</b>	4283

<b>Topic category</b>	
<b>Keyword set</b>	
keyword value	
<b>Originating controlled vocabulary</b>	
Title	ANZLIC Search Words
Reference date	2008-05-16
<b>Geographic location</b>	
West bounding longitude	151.483612
East bounding longitude	151.598969
North bounding latitude	-33.048719
South bounding latitude	-32.965801
NSW Place Name	Stony Creek Catchment
<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	
End position	N/A
<b>Dataset reference date</b>	
<b>Resource maintenance</b>	
Maintenance and update frequency	As needed
<b>Contact info</b>	
Contact position	Data Broker
Organisation name	Lake Macquarie City Council
Telephone number	02 4921 0333
Email address	<a href="mailto:council@lakemac.nsw.gov.au">council@lakemac.nsw.gov.au</a>
Responsible party role	pointOfContact
<b>Limitations on public access</b>	

## Responsible party

Contact position	Data Broker
Organisation name	Lake Macquarie City Council
Telephone number	02 4921 0333
Email address	<a href="mailto:council@lakemac.nsw.gov.au">council@lakemac.nsw.gov.au</a>
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## Metadata point of contact

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**Metadata date** 2024-03-25T07:36:00.500316

**Metadata language**