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|---|---|
| <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  |

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|--|--|
| <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

|                        |  |
|------------------------|--|
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| Organisation name      | Lake Macquarie City Council  |
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## Metadata point of contact

|                        |  |
|------------------------|--|
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| Responsible party role | pointOfContact   |

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

**Metadata language**