



Royal Park, Launceston, during the June 2016 flood. Photo Flickr upsticksngo\_crew

## COMMISSIONED RESEARCH

Key Topics:

- engineering [2]
- flood [3]
- mitigation [4]

Flood risk mitigation assessment for Launceston [5]

This project was commissioned and funded entirely by the Tasmanian State Government.

### Project: detail Notabs

#### Research team

##### Research leader



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**Dr Tariq Maqsood**  
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RESEARCH LEADER



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#### Research team

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**Mark Edwards**  
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**Martin Wehner**  
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**Neil Corby**  
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## End User representatives

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**Luke Roberts**  
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## Description

This project was commissioned and funded entirely by the Tasmanian State Government.

The June 2016 Launceston flood provides a significant opportunity to review the actual cost versus benefit from the significant mitigation works recently contracted to protect the city. The investment in flood mitigation works for flood-prone communities is expensive and the benefits may take many years to be realised. These strategies largely focus on reducing the flood hazard of communities through the construction of flood levees, but increasingly other strategies are being included that are directed at the exposed community buildings.

This project included building focused mitigation through the application of Bushfire and Natural Hazards CRC research. It also entailed the collaboration of a range of end-users and stakeholders to assess the benefit versus cost of the recently undertaken structural mitigation works in Launceston to reduce community flood risk. It assessed the effectiveness of further investment in mitigation works to reduce the residual flood risk. Key end-user partners in this project include the Tasmanian Department of Premier and Cabinet, Tasmania State Emergency Service, the City of Launceston, Launceston Flood Authority and the Northern Midlands Council.

[Read the final report here.](#) [14]

## Related News



11 DEC 2019

Special edition Monographs share AFAC19 science  
EMERGENCY MANAGEMENT, LAND MANAGEMENT

[15]



27 JUN 2019

Flood research on show  
DECISION MAKING, ENGINEERING

[16]



23 OCT 2017

New online - October 2017  
EMERGENCY MANAGEMENT, FLOOD

[17]



09 DEC 2016

Flood research underway in Launceston  
ENGINEERING, FLOOD

[18]

## Publications

Year	Type	Citation
2019	Conference Paper	Maqsood, T. [6], Dale, K. [19], Edwards, M. [8] & Nadimpalli, K. [20] <a href="#">Flood vulnerability functions: detailed vs generalised approach</a> [21]. AFAC19 powered by INTERSCHUTZ - Bushfire and Natural Hazards CRC, 2019.
2017	Report	Maqsood, T. [6] <i>et al.</i> <a href="#">Launceston flood risk mitigation assessment - June 2016 floods: suburb of Newstead</a> [26]. (Bushfire and Natural Hazards CRC, 2017). Google Scholar [27] BibTeX [28] EndNote [29]
2017	Report	Maqsood, T. [6], Wehner, M. [10], Mohanty, I. [30], Corby, N. [11] & Edwards, M. [8] <a href="#">Launceston flood risk mitigation - June 2016 floods</a> [14]. (Bushfire and Natural Hazards CRC, 2017). Google Scholar [27] BibTeX [28] EndNote [29]

## Presentations & Resources

DATE [34]	TITLE [35]	DOWNLOAD	KEY TOPICS
04 Oct 2017	Costs and benefits of flood mitigation in Launceston [36]	434.13 KB	[37] (434.13 KB) economics [38], flood [3], mitigation [4]

## Posters



[\[39\]](https://www.bnhcrc.com.au/research/topics/economics) [\[40\]](https://www.bnhcrc.com.au/resources/poster/4895) [\[41\]](https://www.bnhcrc.com.au/resources/poster/5912) [\[42\]](https://www.bnhcrc.com.au/research/naturalhazarddeconomics) [\[43\]](https://www.bnhcrc.com.au/research/cluster/economics-decision-making) [\[44\]](https://www.bnhcrc.com.au/organisations/uwa) [\[45\]](https://www.bnhcrc.com.au/research/riskreduction) [\[46\]](https://www.bnhcrc.com.au/organisations/ua) [\[47\]](https://www.bnhcrc.com.au/research/postdisastereconomics) [\[48\]](https://www.bnhcrc.com.au/organisations/du) [\[49\]](https://www.bnhcrc.com.au/research/floodpronebuildings) [\[50\]](https://www.bnhcrc.com.au/research/cluster/built-environment) [\[50\]](https://www.bnhcrc.com.au/research/roadinfrastructure)