



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

[6]




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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RESEARCH TEAM




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**Martin Wehner**  
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RESEARCH TEAM




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**Neil Corby**  
[11]  
RESEARCH TEAM



[9]

## End User representatives

[12]



**Luke Roberts**  
[12]  
END-USER



[13]

## 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



Special edition Monographs share AFAC19 science  
EMERGENCY MANAGEMENT, LAND MANAGEMENT

11 DEC 2019

[15]



Flood research on show  
DECISION MAKING, ENGINEERING

27 JUN 2019

[16]





New online - October 2017  
EMERGENCY MANAGEMENT, FLOOD

23 OCT 2017

[17]



Flood research underway in Launceston  
ENGINEERING, FLOOD

09 DEC 2016

[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 Nature
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] End
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 Sch

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]

This poster provides outcomes of a retrospective Cost Benefit Analysis (CBA) study of a flood risk mitigation...

[40]

The project is seeking to assist floodplain managers who do not have access to detailed building exposure...

## [41]

ECONOMICS AND STRATEGIC DECISIONS [42]

Dr Veronique Florec  
University of Western Australia [43]



## [44]

ECONOMICS AND STRATEGIC DECISIONS [42]

Prof Holger Maier  
University of Adelaide [45]



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Prof Mehmet Ulubasoglu  
Deakin University [47]



## [48]

BUILT ENVIRONMENT [49]

Dr Ken Dale  
Geoscience Australia [9]



[50]

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Prof Sujeewa Setunge  
RMIT University [7]



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