
Flood risk mitigation assessment for Launceston



COMMISSIONED RESEARCH

Key Topics:

- ▶ [engineering](#) [2]
- ▶ [flood](#) [3]
- ▶ [mitigation](#) [4]

Flood risk mitigation assessment for Launceston [5]

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.

Project: detail Notabs

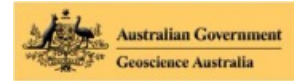
Research team

Research leader



Dr Tariq Maqsood [6]

Geoscience Australia [7]



[7]

[6]

End User representatives

Luke Roberts [8]

Department of Premier and Cabinet (TAS) [9]



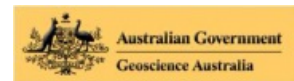
[9]

Research team



Mark Edwards [10]

Geoscience Australia [7]



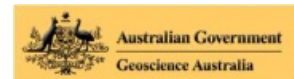
[7]

[10]



Martin Wehner [11]

Geoscience Australia [7]



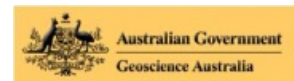
[7]

[11]



Neil Corby [12]

Geoscience Australia [7]



[7]

[12]

Description

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 will include building focused mitigation through the application of Bushfire and Natural Hazards CRC research. It also entails 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 will also assess 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.

Related News



23 October, 2017

New online - October 2017 [13]

New journal articles and reports on CRC research are available online.

9 December, 2016

Flood research underway in Launceston [14]



New research by the Bushfire and Natural Hazards CRC will strengthen flood mitigation in Launceston following the floods in the city in June this year.

Publications

Year	Type	Citation
2017	Report	Maqsood, T. [6] <i>et al.</i> Launceston flood risk mitigation assessment - June 2016 floods: suburb of Newstead [15]. (Bushfire and Natural Hazards CRC, 2017). Google Scholar [16] BibTex [17] XML [18]
2017	Report	Maqsood, T. [6], Wehner, M. [11], Mohanty, I. [19], Corby, N. [20] & Edwards, M. [10] Launceston flood risk mitigation - June 2016 floods [21]. (Bushfire and Natural Hazards CRC, 2017). Google Scholar [22] BibTex [23] XML [24]

Presentations & Resources

Date [25]	Title [26]	Download	Key Topics
04 Oct 2017	Costs and benefits of flood mitigation in Launceston [27]	 [28] (434.13 KB)	economics [29], flood [3], mitigation [4]

Linked Projects

Economics And Strategic Decisions [30]

Project	Leader	Affiliation
Improved Decision Support Systems for Optimal Natural Hazard Mitigation [31]	Prof Holger Maier	University of Adelaide [32]
Optimising post-disaster recovery interventions in Australia [33]	Prof Mehmet Ulbasoglu	Deakin University [34]
Economics of natural hazards [35]	Dr Veronique Florec	University of Western Australia [36]

Built Environment [37]

Project	Leader	Affiliation
Enhancing resilience of critical road infrastructure [38]	Prof Sujeeva Setunge	RMIT University [39]
Cost-effective mitigation strategy for flood prone buildings [40]	Dr Tariq Maqsood	Geoscience Australia [7]

Source URL: <http://www.bnhcrc.com.au/node/3289/generate-pdf>

Links

- [1] <http://www.bnhcrc.com.au/files/royalparklaunceston080616upsticksngocrewjpg>
- [2] <http://www.bnhcrc.com.au/research/topics/engineering>
- [3] <http://www.bnhcrc.com.au/research/topics/flood>
- [4] <http://www.bnhcrc.com.au/research/topics/mitigation>
- [5] <http://www.bnhcrc.com.au/research/resilient-people-infrastructure-and-institutions/3289>
- [6] <http://www.bnhcrc.com.au/people/tariq-maqsood>
- [7] <http://www.bnhcrc.com.au/organisations/ga>
- [8] <http://www.bnhcrc.com.au/people/Luke-Roberts>
- [9] <http://www.bnhcrc.com.au/organisations/dpac>
- [10] <http://www.bnhcrc.com.au/people/mark-edwards>

- [11] <http://www.bnhcrc.com.au/people/martin-wehner>
- [12] <http://www.bnhcrc.com.au/people/neil-corby>
- [13] <http://www.bnhcrc.com.au/news/2017/new-online-october-2017>
- [14] <http://www.bnhcrc.com.au/news/2016/flood-research-underway-launceston>
- [15] <http://www.bnhcrc.com.au/publications/biblio/bnh-3861>
- [16] [http://scholar.google.com/scholar?](http://scholar.google.com/scholar?btnG=Search%2BScholar&as_q=%22Launceston%2Bflood%2BBrisk%2Bmitigation%2BAssessment%2BJune%2B2016%2Bfloods%3A%2Bsuburb%2Bof%2BNewstead%22&as_sauthors=Maqsood&as_occt=any&ar)
<http://www.bnhcrc.com.au/publications/biblio/export/bibtex/3861>
- [17] <http://www.bnhcrc.com.au/publications/biblio/export/bibtex/3861>
- [18] <http://www.bnhcrc.com.au/publications/biblio/export/xml/3861>
- [19] <http://www.bnhcrc.com.au/publications/biblio?f%5Bauthor%5D=944>
- [20] <http://www.bnhcrc.com.au/publications/biblio?f%5Bauthor%5D=1138>
- [21] <http://www.bnhcrc.com.au/publications/biblio/bnh-3803>
- [22] [http://scholar.google.com/scholar?](http://scholar.google.com/scholar?btnG=Search%2BScholar&as_q=%22Launceston%2Bflood%2BBrisk%2Bmitigation%2BJune%2B2016%2Bfloods%22&as_sauthors=Maqsood&as_occt=any&as_epq=&as_oq=&as_eq)
<http://www.bnhcrc.com.au/publications/biblio/export/bibtex/3803>
- [23] <http://www.bnhcrc.com.au/publications/biblio/export/bibtex/3803>
- [24] <http://www.bnhcrc.com.au/publications/biblio/export/xml/3803>
- [25] http://www.bnhcrc.com.au/node/3289/generate-pdf?order=field_date_release&sort=asc
- [26] <http://www.bnhcrc.com.au/node/3289/generate-pdf?order=title&sort=asc>
- [27] <http://www.bnhcrc.com.au/hazardnotes/40>
- [28] http://www.bnhcrc.com.au/file/7893/download?token=aPAhkBS_
- [29] <http://www.bnhcrc.com.au/research/topics/economics>
- [30] <http://www.bnhcrc.com.au/research/cluster/economics-decision-making>
- [31] <http://www.bnhcrc.com.au/research/policy-economics-hazards/230>
- [32] <http://www.bnhcrc.com.au/organisations/ua>
- [33] <http://www.bnhcrc.com.au/research/policy-economics-hazards/231>
- [34] <http://www.bnhcrc.com.au/organisations/du>
- [35] <http://www.bnhcrc.com.au/research/policy-economics-hazards/229>
- [36] <http://www.bnhcrc.com.au/organisations/uwa>
- [37] <http://www.bnhcrc.com.au/research/cluster/built-environment>
- [38] <http://www.bnhcrc.com.au/research/understanding-mitigating-hazards/247>
- [39] <http://www.bnhcrc.com.au/organisations/rmit>
- [40] <http://www.bnhcrc.com.au/research/understanding-mitigating-hazards/243>