

Yellow Water lilies

- Key Topics:
- communities [2]
  - indigenous communities [3]
  - local knowledge [4]

Northern Australian bushfire and natural hazard training [5]  
Over the duration of this project, several desktop reviews were undertaken to examine the existing bushfire and natural hazard training in remote northern Australia offerings, as well as the opportunities that existed at the time for Indigenous community members to obtain leadership training. The reviews found that where training existed it largely omitted Indigenous perspectives, particularly in terms of strategic overviews and planning. In response to the views of project participants and the reviews, the project developed a set of training units that, taken together, drew together the essential elements of Indigenous and non-Indigenous bushfire and natural hazard training in a Vocational Education and Training style program. Nine formal 'engagements' were held over the life of the project, including workshops and three training pilots. In each pilot, different components of the ten training units were presented and refined. A detailed and culturally appropriate evaluation was undertaken of each pilot and the feedback was incorporated into the next 'round' of pilot training.

Project: detail Notabs

Research team

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## Description

Fire and emergency management in northern Australia is quantitatively and qualitatively different to that in the south of the continent. To meet the needs of fire and emergency managers in northern Australia, this project has established training units that meet the requirements of emergency management in the north. The factors differentiating between northern and southern training needs are significant, ranging from geographical (the scale of northern natural disasters and distances), to social and cultural, including the impacts of natural disasters on remote Indigenous communities.

Nearly 360,000 of the people living in northern Australia live in communities with varying degrees of remoteness from 'outer regional' to 'very remote'. These communities are predominately inhabited by Indigenous Australians with the percentage rising in direct proportion to remoteness.

The project has developed a training program that builds on the current assets in place, such as the ranger programs, and leads to increasing levels of competence and confidence and in its turn, resilience. The project is a response to north Australian stakeholder concerns that existing training is inadequate for their needs.

New training materials were developed, with courses or packages that provide remote communities the skills and knowledge to manage landscape scale fire regimes, as well as a range of other natural disasters. Pilot training courses begin in late 2016.

The project study reviewed 21 training courses offered through Charles Darwin University and its Registered Training Organisations. Five new training units were completed, and additional units developed to suit the needs of northern Australia. These adapted and new units will provide a comprehensive training package that is sensitive to Indigenous cultural and language variations and reflects local knowledge and contexts. This will allow qualified trainers to deliver training in ways that can be tailored to suit remote locations. The project has also developed a Course Delivery Handbook based on the training materials.

[Read the final report here.](#) [21]

Download:

Northern Australia bushfire and natural hazard training - project overview [22]

Related News



08 SEP 2021

Supporting resilience in Indigenous communities: how the emergency management sector can do better  
EMERGENCY MANAGEMENT, INDIGENOUS COMMUNITIES

[23]



14 MAY 2021

Making better use of research  
CAPABILITY, EMERGENCY MANAGEMENT

[24]





22 APR 2021

New online – April 2021  
MULTI-HAZARD, RESILIENCE

[25]



28 JAN 2021

New online - January 2021  
COMMUNICATION, EMERGENCY MANAGEMENT

[26]



17 NOV 2020

Building capacity in northern Australian communities  
INDIGENOUS COMMUNITIES, LOCAL KNOWLEDGE

[27]



17 MAY 2019

Are we dropping the ball? A look to our workforce in 2030  
CAPABILITY, EMERGENCY MANAGEMENT

[28]



05 FEB 2019

Journal focuses on mental health and diversity  
EMERGENCY MANAGEMENT, MENTAL HEALTH

[29]

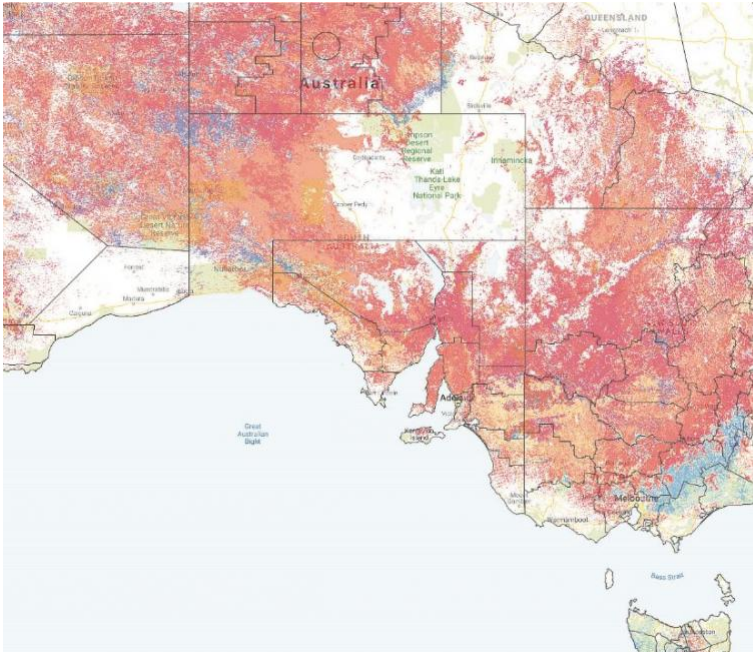


18 SEP 2018

Conference papers available online  
EMERGENCY MANAGEMENT, MULTI-HAZARD

[30]





13 SEP 2018

Preparedness measures on land and sea  
COASTAL, FIRE

[31]



12 SEP 2018

Remote Indigenous communities welcome two-way training  
COMMUNITIES, INDIGENOUS COMMUNITIES

[32]



24 NOV 2017

Updates from north Australia research  
COMMUNITIES, FIRE

[33]



17 NOV 2017

New online - November 2017

[34]





18 SEP 2017

Outstanding achievements recognised  
EMERGENCY MANAGEMENT, MULTI-HAZARD

[35]



13 OCT 2016

New online - October 2016

[36]



22 SEP 2016

Important work that you can't find on a map  
INDIGENOUS COMMUNITIES, NORTHERN AUSTRALIA

[37]



18 FEB 2016

Partners get northern research update  
COMMUNICATION, INDIGENOUS COMMUNITIES

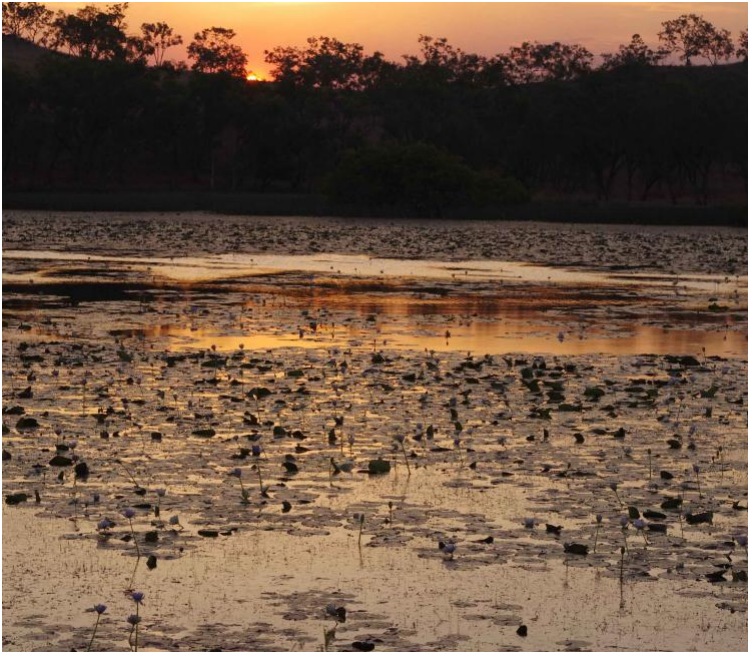
[38]



06 JAN 2016

Action research to build local capacity in the Top End  
INDIGENOUS COMMUNITIES, NORTHERN AUSTRALIA

[39]



23 JUN 2015

Preparing and responding - same large or small?  
INDIGENOUS COMMUNITIES, NORTHERN AUSTRALIA

[40]





05 JUN 2015

Top end resilience discussed  
INDIGENOUS COMMUNITIES, NORTHERN AUSTRALIA

[41]


Publications

Year	Type	Citation
2021	Journal Article	Sangha, K. [42], Russell-Smith, J. [6], Edwards, A. C. [43] & Surjan, A. [44] <a href="#">Assessing the real costs of natural hazard-induced disasters: A case study from Australia's Northern Territory</a> [45]. A
2021	Report	Sutton, S. [8] <a href="#">North Australian bushfire and natural hazard training - final project report</a> [21]. (Bushfire and Natural Hazards CRC, 2021). Google Scholar [50] BibTeX [51] EndNote XML [52]
2018	Conference Paper	Sangha, K. [42], Edwards, A. C. [43] & Russell-Smith, J. [6] <a href="#">Emergency management opportunities for remote indigenous communities in northern Australia</a> [53]. <i>AFAC18</i> (Bushfire and Natural H
2018	Conference Paper	Bates, J. [57] <a href="#">Research proceedings from the 2018 Bushfire and Natural Hazards CRC and AFAC Conference</a> [58]. <i>Bushfire and Natural Hazards CRC &amp; AFAC annual conference 2017</i> (Bushfire a
2017	Report	Sutton, S. [8] <a href="#">Northern Australian bushfire and natural hazards training: annual project report 2016-17</a> [62]. (Bushfire and Natural Hazards CRC, 2017). Google Scholar [63] BibTeX [64] EndNote
2017	Report	Sutton, S. [8] <a href="#">Mapping training delivery framework and pathways for the north Australian fire and emergency management training</a> [66]. (Bushfire and Natural Hazards CRC, 2017). Google Sch
2017	Report	Sutton, S. [8] <a href="#">A review of emergency and fire management training available for remote communities in northern Australia based on the views of local inhabitants</a> [70]. (Bushfire and Natural H
2016	Report	Sutton, S. [8] <a href="#">Northern Australia bushfire and natural hazard training: Annual project report 2015-2016</a> [74]. (Bushfire and Natural Hazards CRC, 2016). Google Scholar [75] BibTeX [76] EndNote
2015	Report	Sutton, S. [8] <a href="#">Bushfire and natural hazard training for Northern Australia: Annual project report 2014-2015</a> [78]. (Bushfire and Natural Hazards CRC, 2015). Google Scholar [79] BibTeX [80] EndN
2015	Report	Russell-Smith, J. [6] <a href="#">Building Resilient Remote Communities in Northern Australia Annual Report 2014</a> [82]. (2015). Google Scholar [83] BibTeX [84] EndNote XML [85]

Presentations & Resources

DATE	TITLE	DOWNLOAD	KEY TOPICS
10 Apr 2015	North Australian Bushfire and Natural Hazard Training 2015 NSW RAF Presentation [88]	3.01 MB	[89] (3.01 MB) [90], Northern Australia [91], planning [92]
14 Dec 2015	Scoping remote north Australian community resilience - project overview [93]	0 bytes	[94] (0 bytes) Australia [91], planning [92], resilience [95]
22 Mar 2016	Northern Australia bushfire and natural hazard training - project overview [96]	0 bytes	[97] (0 bytes) d [90], Northern Australia [91], risk management [92]
17 May 2016	North Australian bushfire and natural hazard training [99]	2.01 MB	[100] (2.01 MB) al knowledge [4], Northern Australia [91]
14 Jun 2016	What is disaster resilience and how can it be measured? [102]	373.58 KB	[103] (373.58 KB), indigenous communities [3], resilience [95]
18 Apr 2017	North Australian Bushfire and Natural Hazard Training [104]	2.18 MB	[105] (2.18 MB) [2], indigenous communities [3], local knowledge [4]
27 Jun 2017	The Darwin Centre for Bushfire Research program: Bushfire and Natural Hazards CRC research [106]	1.29 MB	[107] (1.29 MB)
07 Jul 2017	Building community resilience in remote north Australia [108]	5.37 MB	[109] (5.37 MB) [2], indigenous communities [3], Northern Australia [91]
17 Apr 2018	How can we Deliver Training to Build north Australian Community Resilience? [110]	1.38 MB	[111] (1.38 MB) communities [3], Northern Australia [91], resilience [95]
29 Jun 2018	Indigenous cultures in the north [112]	954.79 KB	[113] (954.79 KB) Northern Australia [91], savanna grasslands [92]
30 Aug 2018	Remote Indigenous communities welcome two-way training [115]	1.98 MB	[116] (1.98 MB) communities [3], Northern Australia [91], resilience [95]
07 Sep 2018	AFAC18 - Continuing the conversation: Community [117]	0 bytes	[118] (0 bytes) [2], indigenous communities [3]
12 Sep 2018	Fire Australia Issue Three 2018 [119]	19.49 MB	[120] (19.49 MB) fire [101], Northern Australia [91]
18 Sep 2018	Hazard smart remote communities in Northern Australia [122]	1.29 MB	[123] (1.29 MB) Northern Australia [91]
08 May 2019	Northern Australia bushfire and natural hazard training RAF May 2019 [124]	472.25 KB	[125] (472.25 KB) alia [91]
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18 Nov 2020	Lessons in effective on ground engagement   Northern Australia Research Engagement Forum (6/9) [130]	0 bytes	[131] (0 bytes) communities [3], local knowledge [4], Northern Australia [91]
12 May 2021	Developing a culturally appropriate natural hazards training program for Indigenous communities [132]	240.41 KB	[133] (240.41 KB) communities [3], local knowledge [4], Northern Australia [91]
17 May 2021	Fire Australia Issue Two 2021 [134]	11.74 MB	[135] (11.74 MB), emergency management [137], Northern Australia [91]
15 Jul 2021	Collaboration based on Indigenous leadership [138]		indigenous communities [3], Northern Australia [91], resilience [95]
08 Sep 2021	Fire Australia Issue Three 2021 [139]	10.72 MB	[140] (10.72 MB) [2], indigenous communities [3], recovery [92]

Posters




[142]

**Learning Together: Cross Cultural Emergency Management Training for Northern Australia**

[142]

INDIGENOUS COMMUNITIES [3], LOCAL KNOWLEDGE [4]

This project develops BNH Training built on learnings from BNHCRC research and tailored to North Australian...




[143]

**Training as Research and Research as Training in remote north Australia**

[143]

INDIGENOUS COMMUNITIES [3], LOCAL KNOWLEDGE [4]

The 'BNH Training for Remote Communities' was initially perceived as training for ranger group members. But...



[145]

**Power Relationships, Trust and Community Resilience?**

[144]

MULTI-HAZARD [90]

Natural hazard response efforts are increasingly reliant on broadcast warnings by agencies. While these...



[146]

Scenario Planning for Remote Community Risk Management in northern Australia

[146]


FIRE [101], NORTHERN AUSTRALIA [91]

Key findings: Long term support from Fire and Emergency Services Agencies is necessary to develop the...

## Linked Projects

### Capability needs for emergency & disaster management organisations [147]

EMERGENCY MANAGEMENT CAPABILITY [148]

 Dr Paul Barnes  
Queensland University of Technology [149]



[149]

### The Australian Natural Disaster Resilience Index: A system for assessing the resilience of Australian communities to natural hazards [150]

UNDERSTANDING AND ENHANCING RESILIENCE [151]

 Dr Melissa Parsons  
University of New England [152]



[152]

### Developing effective emergency management partnerships in remote northern Australian communities [153]

UNDERSTANDING AND ENHANCING RESILIENCE [151]

 Adj Prof Jeremy Russell-Smith  
Charles Darwin University [7]



[7]

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