DOCTRINE

Hazardous Trees

Climate Change
- Discussion Paper
- Temporary Group reporting to AFAC Council
- Encompassing Community Safety and Operation

Bushfire Operations and Windfarms
- Review of Current doctrine
- Input from National Wind Farms Commissions

NATIONAL RESOURCE SHARING CENTRE

Deployment register

chris.morton@afac.com.au
Strategy Review
- 3-5 years
- Expanding scope to multi hazard

Investment Strategy
- Systems
- Research
- Capability

Research Strategy
- Maximum benefit from current research
- Future research requirements

greg.esnouf@afac.com.au
EMERGENCY MANAGEMENT PROFESSIONALISATION SCHEME

CERTIFIED ROLES CURRENTLY AVAILABLE

Certified Incident Controller
Certified Public Information Officer

REGISTERED ROLES CURRENTLY AVAILABLE

Registered Level 2 Incident Controller
Registered Planning Officer
Registered Intelligence Officer
Registered Public Information Officer
Registered Logistics Officer
Registered Finance Officer
Registered Arduous Bushfire Firefighter

www.emps.org.au
Volunteer Leadership Program

Australia’s capacity to respond to disasters relies on emergency management volunteers. Today’s volunteer leaders must negotiate a maze of relationships, networks and expectations to lead effectively in the disaster environment.

Leadership demands innovation, creativity, negotiation, improvisation and strategic vision. The Volunteer Leadership Program (VLP) enhances volunteer skills in leadership and organisational management. The program builds individual and organisational capability and promotes collaboration and innovation in our organisations. The VLP is designed to be accessible to volunteers.

Location
Mackay, QLD

Program dates
24-26 August 2018

Application due date
13 July 2018
The purpose of this section is to guide the development of a plan to provide adequate shelter for any evacuees who seek it. This may include self-evacuees, as well as any animals accompanying evacuees.

**Stage 4 Shelter**

**Key steps**

1. **Locate authority and resources**
2. **Identify shelter needs**
3. **Plan for shelter needs**
4. **Plan for emergency response**
5. **Plan for self-evacuation**
6. **Plan for self-rescue**
7. **Plan for self-care**
8. **Plan for self-supply**
9. **Plan for self-protection**
10. **Plan for self-recovery**

**Evacuation timeline**

The key evacuation timeline focuses on the timeline and activities related to self-evacuation.

**Authority and responsibility to manage shelter**

The authority and responsibility to manage shelter is determined by the appropriate decision-makers.

Emergency management volunteer scholarships

aidr.org.au/programs/scholarships-for-volunteers/
The Prescribed Burning Centre of Excellence will lead and support the development of innovative, evidence based principles, policies, programs and practice for prescribed fire.
Centre of Excellence for Prescribed Burning

Prescribed burning brings together many elements from risk management to community engagement. This collection of resources assists prescribed burning practitioners to access current best practice and research to inform planning and implementation.

Get connected and learn more

- National prescribed burning guidelines and frameworks
- Traditional Owners and cultural burning
- Prescribed burning tools
- Events: 2018 webinar series

An extensive range of frameworks, guidelines and principles, along with supporting reports, for prescribed burning planning, produced by the National Burning Project.

Resources regarding involvement of Traditional Owners and cultural burning in prescribed burning programs.

Useful tools for agencies undertaking strategic and operational prescribed burning planning.

The Centre hosts monthly webinars to exploring current research, lessons learnt, tools and products of the National Burning Project.
--- Centre of Excellence ---

PRESCRIBED BURNING

CONNECT WITH US

https://knowledge.aidr.org.au/prescribed-burning

YouTube – Centre of Excellence for Prescribed Burning

@prescribedburning

https://www.facebook.com/groups/549994425355507/
FACTORS

- Fire Weather
- Fire Behaviour
- Fuel Modelling
- Ignition Likelihood
- Fire Suppression
- Fire Impact

COMPUTATION

Spatially and temporally based systems that scientifically support formula and processes required to calculate indicators

INDICES

- Fire Behaviour Index
- Fire Suppression Index
- Ignition Likelihood Index
- Fire Impact Index

DECISION-MAKING

- Community warnings (determined ratings)
- Total Fire Ban and other restrictions
- Targeted community warnings
- Community, Government and ESO readiness

Improved through research prototype
Work to continue 2018-2022

New 2018-2022 works

Adapted from Program Management Plan 2015
FUTURE WORKS

2018/2019
FUNDING REQUIRED – ESTIMATE $11.6m

FUNDED
Calibration of Research Prototype
Publication of evaluation
System Build
Transition to Operational Fire Behaviour Index
Create National datasets
Build and run prototype
Calibration and evaluation
Scope Indices Projects
Social Research Project

2019/2020
2020/21
2021/22

INDIVIDUAL JURISDICTIONS
Warnings Framework
Change Management:
Legislation, Training, Engagement, Signage
Other Indices
Fire Behaviour Index

National Fire Danger Rating System
NFDRS Research Prototype Interactive website

### Research Prototype

**Select forecast layer:**
- Fire danger rating

**Value at mouse pointer:**
- 0.5

**Opacity:**
- 70

**Disclaimers:**

This prototype service and underlying data set is provided "as is" and is not warranted or verified with respect to its accuracy, timeliness, completeness, non-infringement, merchantability, and fitness for any particular purpose. This prototype service and the outputs incorporate information sourced from third party data providers who have exclusive proprietary rights in their respective information and data. Each user of the prototype service assumes the entire risk of any use of the data. "Data" means any data which is accessed through the use of the Service; and The "Service" is a reference to any of the product components derived from the prototype data set. The prototype data set is confidential and proprietary to the Bureau of Meteorology and the NSW Rural Fire Service and may not be distributed to third parties.
Research Prototype Ratings website
## Live trial evaluations (October 2018 – March 2019)

<table>
<thead>
<tr>
<th>Fuel Type</th>
<th>Live trial</th>
<th>Case studies</th>
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<tbody>
<tr>
<td>Forest</td>
<td>141</td>
<td>47</td>
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<tr>
<td>Grassland</td>
<td>63</td>
<td>14</td>
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<tr>
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<td>6</td>
<td>6</td>
</tr>
<tr>
<td>Pine</td>
<td>5</td>
<td>0</td>
<td>5</td>
</tr>
</tbody>
</table>
Reported incidents

Source: Jurisdiction incident feeds

Burned area

Source: NAFI fire scars (MODIS) [Data masked]