



Deb Sparkes

AFAC/AIDR

Belinda Kenny

NSW RFS

RURAL AND LAND MANAGEMENT GROUP

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

What does the Scheme offer?

You can be registered or certified under the 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.

Evacuation centres: The term 'evacuation centre' is used in this handbook and includes relief centres and welfare centres.

Authority and responsibility to manage shelter

Introduction

Shelter is the fourth of the five stages of the evacuation process and provides the provisions for the sheltering of people affected by a disaster. It is a critical stage in the immediate response to a disaster, as it provides a safe and secure environment for evacuees who cannot remain home due to a hazard impact or potential impact. The shelter needs of evacuees vary over time, and the types of shelter that can be provided are limited by the availability of resources. As a principle, evacuees should be accommodated where possible to their own accommodation arrangements. This promotes self-efficacy consistent with the concept of shared responsibility, and supports more rapid recovery. The sheltering of evacuees is a significant role of the Australian Red Cross after a disaster.

The evacuation plan should identify which organisation(s) and/or person(s) have the authority and responsibility to manage the sheltering of evacuees. This should be done in consultation with relevant state or territory emergency management plans or disaster management agency management arrangements. The Australian Red Cross often also plays a significant role.

Stage 4 Shelter

Key steps

- 1 Identify authority and responsibility
- 2 Identify relevant stakeholders
- 3 Identify shelter options
- 4 Agree on responsibilities and cost arrangements
- 5 Consider goods and services needed and routes to take
- 6 Plan for animals
- 7 Plan for contingencies
- 8 Register, Find, Reunite
- 9 Plan communications for the shelter stage
- 10 Document it

Australian Disaster Resilience Handbook Collection

knowledge.aidr.org.au/collections/handbook-collection

Emergency management volunteer scholarships

aidr.org.au/programs/scholarships-for-volunteers/

BEST PRACTICE GUIDELINES



Strategic

Operations

The frameworks and principles identified in these documents will be valuable to practitioners, planners and land managers with an interest in planning or undertaking prescribed burning in the best possible way.

RISK FRAMEWORKS



Operations and safety

Smoke and GHG

Fuel hazard

Ecological

These reports build and present frameworks that can be adopted by practitioners and agencies to facilitate improved approaches and greater appreciation of risks associated with undertaking prescribed burning.

MEASURING PERFORMANCE



Objectives & monitoring

Performance measures

A framework and set of performance measures for evaluating prescribed burning against desired objectives.

NATIONAL POSITION

The National Position articulates a nationally agreed position on prescribed burning and establishes principles for the development and implementation of prescribed burning policies and programs.



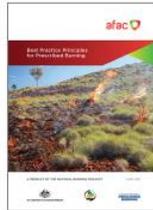
AN APPROACH TO OBJECTIVES SETTING

A tool for clearer identification of costs and benefits when analysing competing objectives in planning for prescribed burning.

BEST PRACTICE SYNOPSES



Process map
Step-by-step best practice guide for prescribed burning, from strategic planning through to burning implementation.



Best practice principles
Best practice principles for prescribed burning summarised into a ready-to-use synopsis for the benefit of prescribed burning professionals.

RISK MANAGEMENT SYNOPSIS



The risk management framework for prescribed burning summarised into a ready-to-use synopsis for the benefit of prescribed burning professionals.

PROGRAM LOGIC

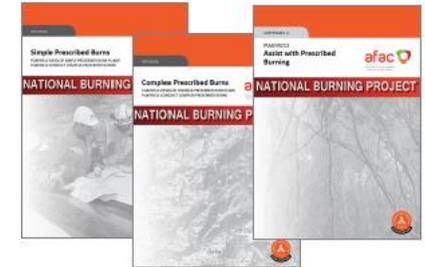


Diagrammatic summary of the rationale behind prescribed burning.

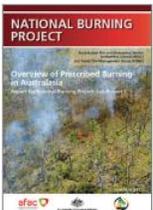
TRAINING MANUALS

These learner resources provide instruction and theory that can be used by students or by instructors for lesson planning.

- Assist with prescribed burning
- Simple prescribed burns
- Complex prescribed burns



OVERVIEW



This report is a very useful introduction and overview of prescribed burning in Australasia and the evidence base that underpins the use of planned fire.

BEST PRACTICE REVIEW



This report provides a detailed account of the prescribed burning practices that are considered to be examples of best practice.

SCIENCE REVIEW



Reviewing science, practical and Traditional Owner knowledge around the use of prescribed burning as a land management tool.

CAPABILITY REVIEWS



Training



Resources

A review of prescribed burn training and resource capability to aid in improving training and resource sharing outcomes.

TOOLBOX

The National Tool Box is a repository of existing decision support tools that can aid in prescribed burning.





The Prescribed Burning Centre of Excellence will lead and support the development of innovative, evidence based principles, policies, programs and practice for prescribed fire.

PRACTITIONER
NETWORK
WEBINARS

CLINICS

KNOWLEDGE
HUB

All Collections



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**PRESCRIBED
BURNING**



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](#)



KNOWLEDGE
HUB

National prescribed burning guidelines and frameworks



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

Traditional Owners and cultural burning



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

Prescribed burning tools



Useful tools for agencies undertaking strategic and operational prescribed burning planning

Events: 2018 webinar series



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



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**PRESCRIBED
BURNING**

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Quality Assurance in prescribed burn programs

13 views • 4 weeks ago



Prescribed Burning Decision Support Tool (Amended)

6 views • 4 weeks ago



Centre of Excellence National Guidelines January 2018

124 views • 2 months ago



PRACTITIONER NETWORK WEBINARS



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



WEBINARS

YouTube – Centre of Excellence for Prescribed Burning



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<https://www.facebook.com/groups/549994425355507/>

NFDRS KEY COMPONENTS

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

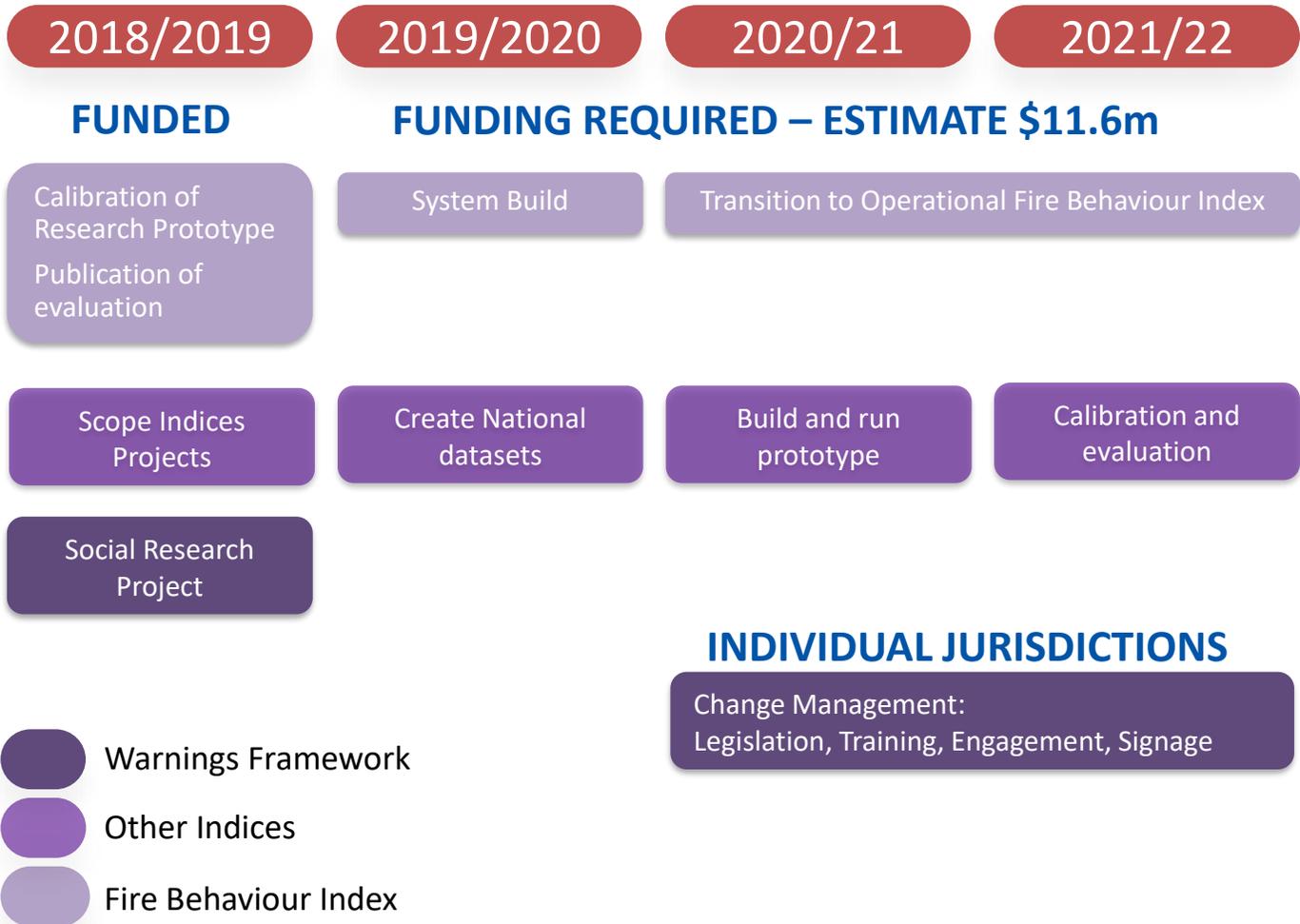
Community, Government and ESO readiness

Improved through research prototype
Work to continue 2018-2022

New 2018-2022 works

Adapted from Program Management Plan 2015

FUTURE WORKS



NFDRS Research Prototype Interactive website

 **Research Prototype**

MENU DETAILS INFO

Select forecast layer
Fire danger rating

0.5  6.5

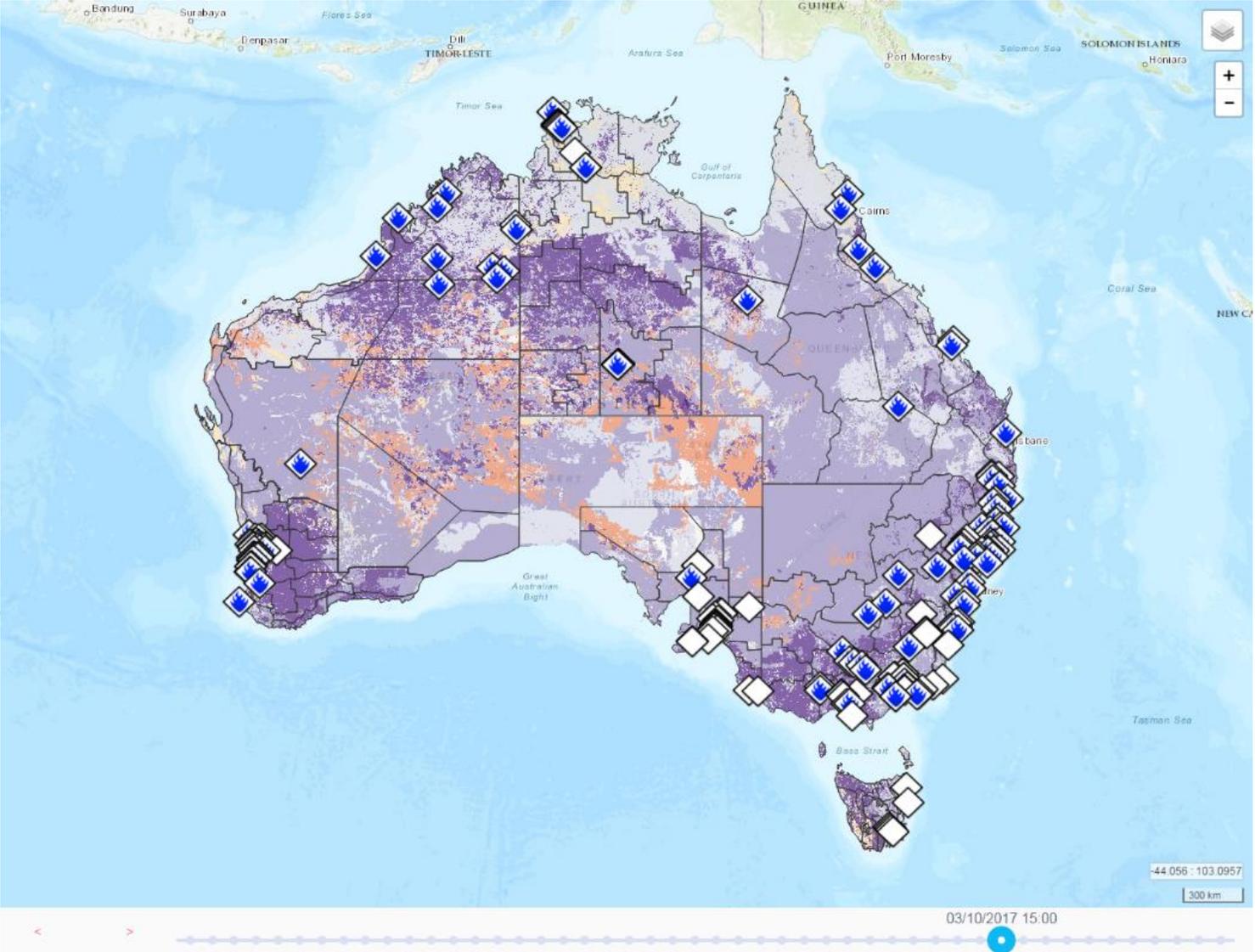
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Show AWS locations

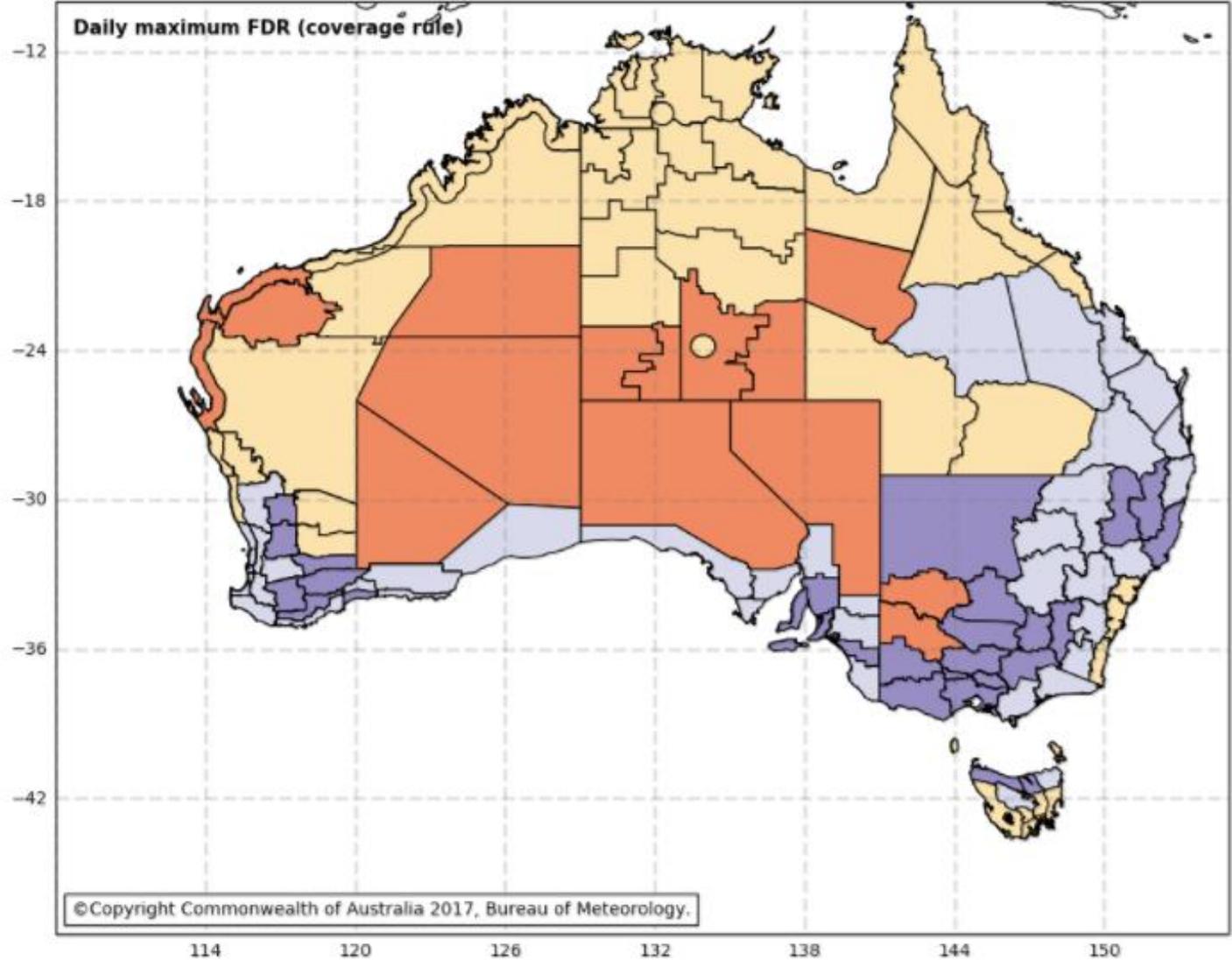
Disclaimer

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

- New South Wales
- Wales
- Northern Territory
- Queensland
- South Australia
- Tasmania
- Victoria
- Western Australia



GFE Fuel Type



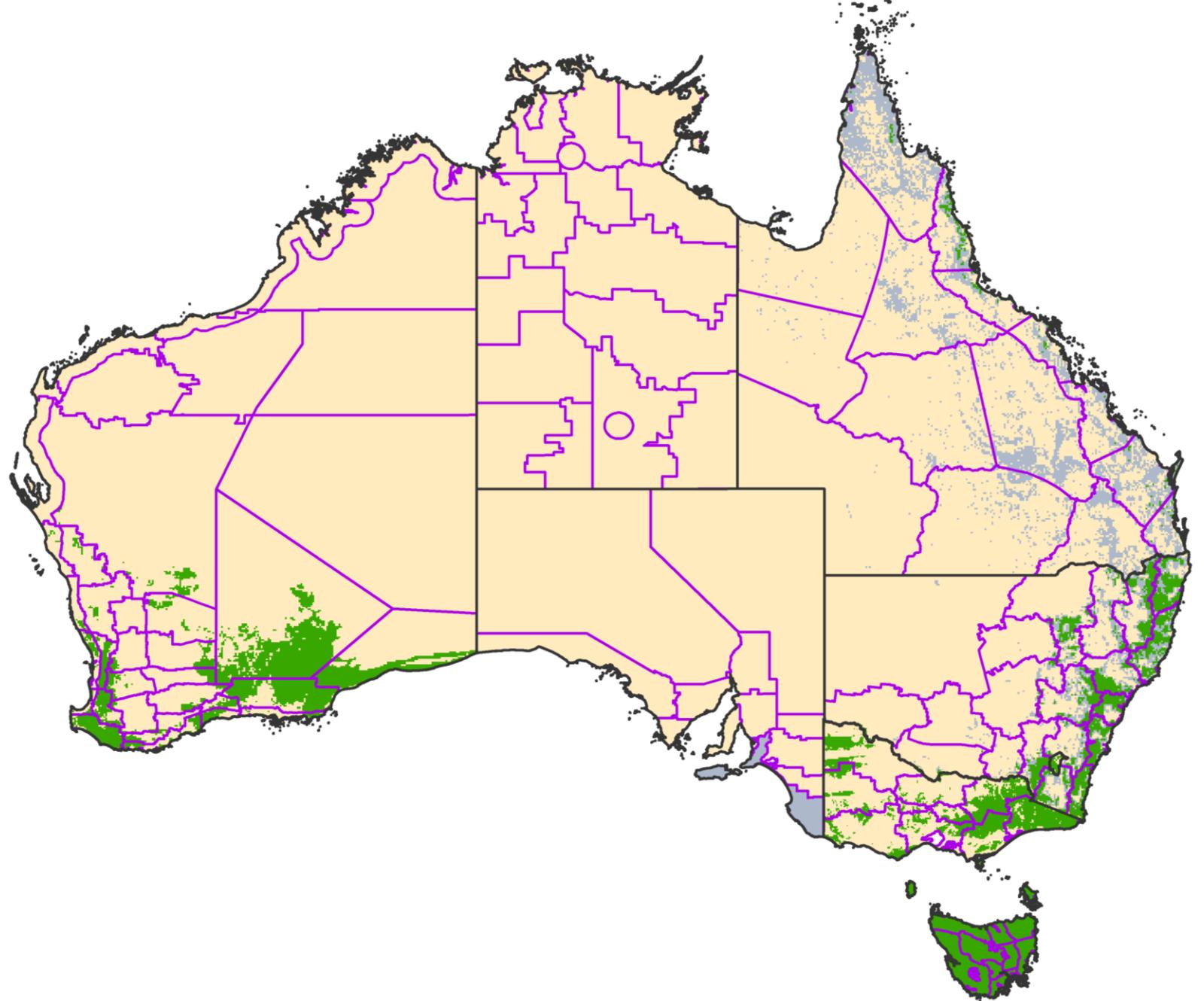
Grass



Combined

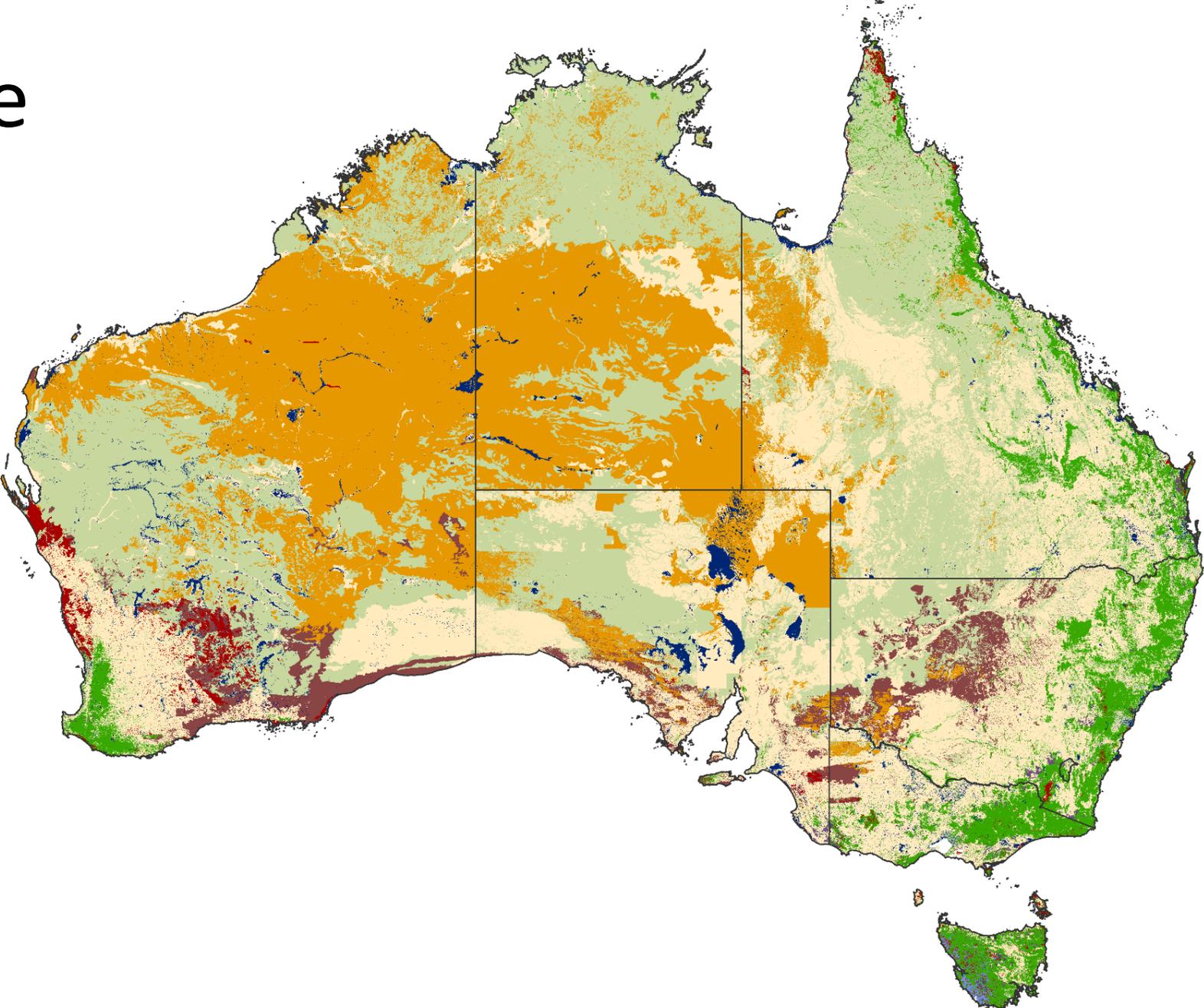


Forest

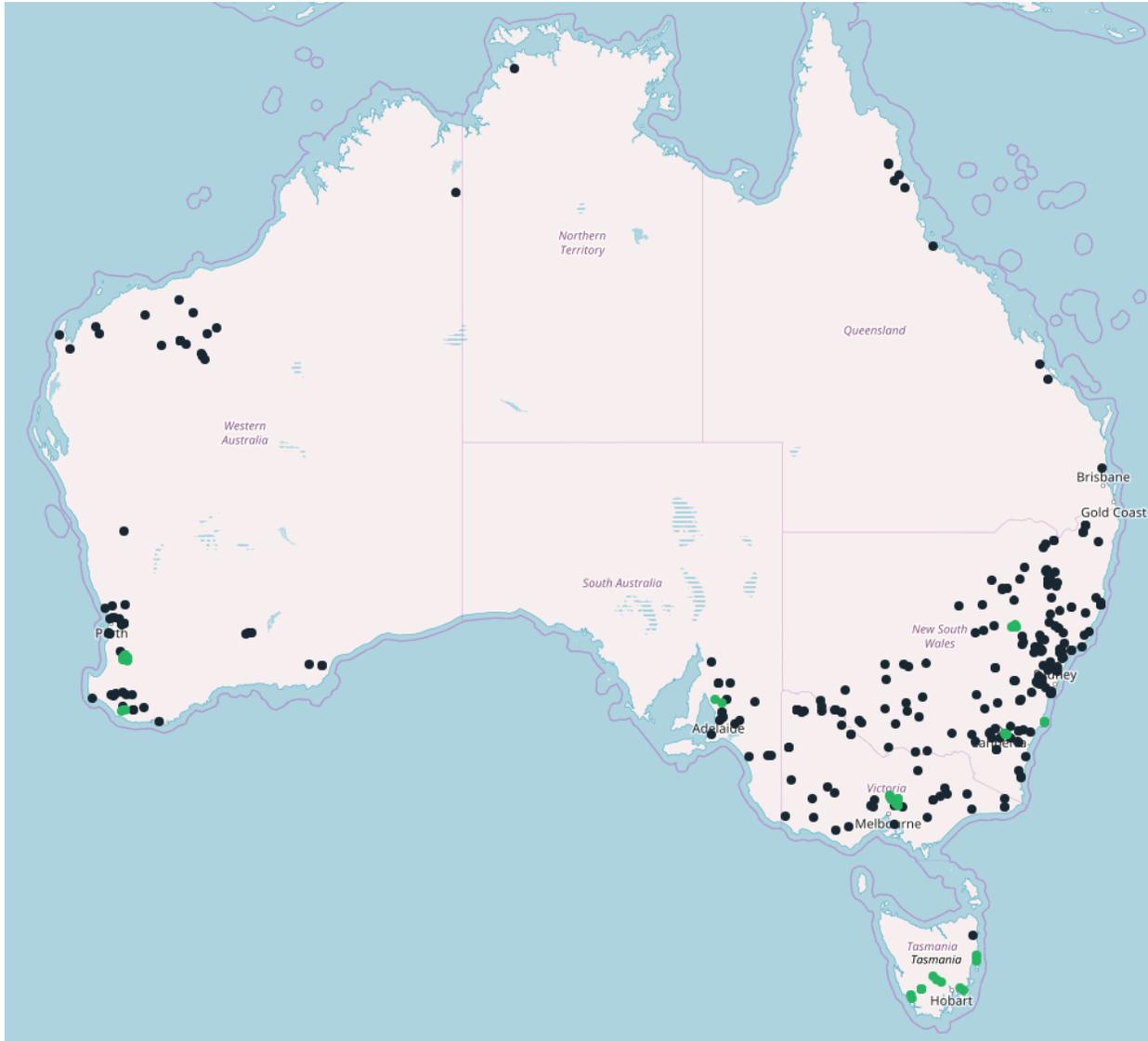


NFDRS Fuel Type

-  Forest
-  Woodland
-  Grass
-  Spinifex
-  Mallee heath
-  Shrubland
-  Buttongrass
-  Pine
-  Non-combustible

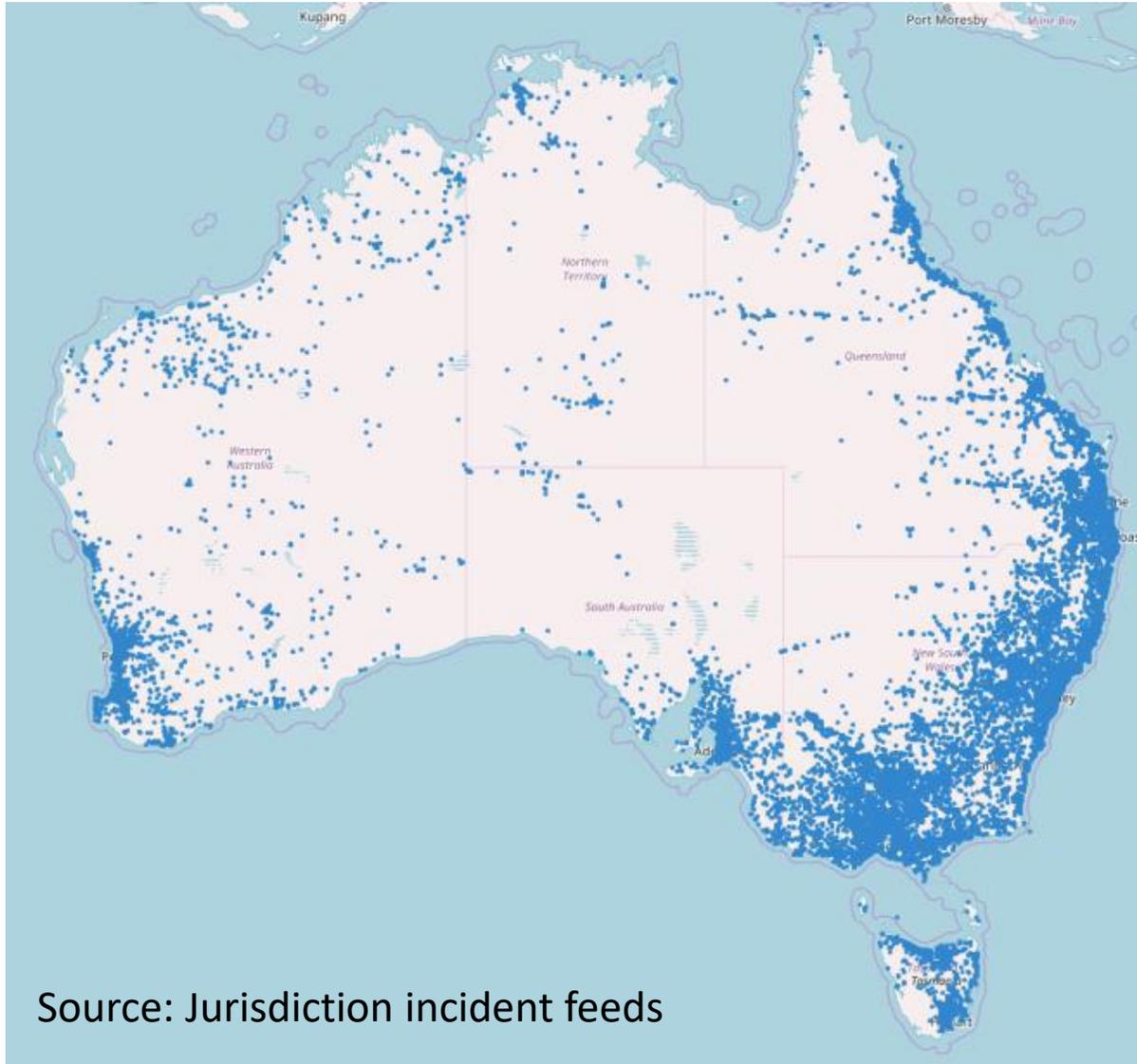


Live trial evaluations (October 2018 – March 2019)



Fuel Type	Live trial	Case studies	Total
Forest	141	47	188
Grassland	63	14	77
Woodland	18	0	18
Mallee-heath	15	0	15
Shrubland	14	4	14
Spinifex	9	0	9
Buttongrass	0	6	6
Pine	5	0	5

Reported incidents



Burned area

