



# **New England Bush Fire Management Committee**

## **Bush Fire Risk Management Plan**

*Prepared by the New England Bush Fire Management Committee; pursuant to section 52 of the Rural Fires Act, 1997.*

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## Authorisation

In accordance with Part 3 Division 4 of the Rural Fires Act 1997, this Draft Plan has been prepared by the New England Bush Fire Management Committee and has been endorsed at the BFMC meeting on 17<sup>th</sup> February 2015 for submission to the Bush Fire Coordinating Committee.

## Recommended



Chairperson  
New England Bush Fire Management Committee

## Approved



On behalf of the  
NSW Bush Fire Coordinating Committee

## Amendment List

Amendment		Entered	
Number	Date	Signature	Date

## Glossary

**Assets:** anything valued by the community which includes houses, crops, heritage buildings and places, infrastructure, the environment, businesses, and forests, that may be at risk from bush fire.

**Bush Fire:** a general term used to describe fire in vegetation, includes grass fire.

**Bush Fire Hazard:** the potential severity of a bush fire, which is determined by fuel load, fuel arrangement and topography under a given climatic condition.

**Bush Fire Risk:** the chance of a bush fire igniting, spreading and causing damage to the community or the assets they value.

**Bush Fire Risk Management:** a systematic process that provides a range of treatments which contribute to the well being of communities and the environment, which suffer the adverse effects of wildfire/bush fire.

**Bush Fire Threat:** potential bush fire exposure of an asset due to the proximity and type of a hazard and the slope on which the hazard is situated.

**Consequence:** outcome or impact of a bush fire event.

**Fire Fighting Authorities:** the NSW Rural Fire Service, NSW Fire & Rescue, the National Parks and Wildlife Service and Forestry Corporation of NSW.

**Likelihood:** the chance of a bush fire igniting and spreading.

**Major Bush Fire:** A bush fire which requires the attendance of multiple brigades, or causes damage to property or injury to one or more persons.

**Display area:** geographic area determined by the Bush Fire Management Committee which is used to provide a suitable area and scale for community participation and mapping display purposes.

**Recovery costs:** the capacity of an asset to recover from the impacts of a bush fire.

**Risk Acceptance:** an informed decision to accept the consequences and the likelihood of a particular risk.

**Risk Analysis:** a systematic process to understand the nature of and to deduce the level of risk.

**Risk Assessment:** the overall process of risk identification, risk analysis and risk evaluation.

**Risk Identification:** the process of determining what, where, when, why, and how something could happen.

**Risk Treatment:** the process of selection and implementation of measures to modify risk.

**Vulnerability:** the susceptibility of an asset to the impacts of bush fire.

# Chapter 1. Introduction

## 1.1 Background

Under the *Rural Fires Act 1997* the Bush Fire Coordinating Committee (BFCC) must constitute a Bush Fire Management Committee (BFMC) for each area in the State, which is subject to the risk of bush fires. Each BFMC is required to prepare and submit to the BFCC a draft Bush Fire Risk Management Plan (BFRMP).

A BFRMP is a strategic document that identifies community assets at risk and sets out a five-year program of coordinated multi-agency treatments to reduce the risk of bush fire to the assets. Treatments may include such things as hazard reduction burning, grazing, community education, fire trail maintenance and establishing community fireguard groups.

Annual programs to implement the treatments identified in this plan will be undertaken by the relevant land managers and fire fighting authorities.

In exercising its functions under the *Rural Fires Act 1997*, including the preparation of a draft bush fire risk management plan, the New England BFMC is required to have regard to the principles of ecologically sustainable development (ESD).

This document and the accompanying maps together form the BFRMP for the New England BFMC area.

This BFRMP has been prepared by the New England BFMC and covers both public and private lands. This BFRMP must be reviewed and updated within each successive five-year period from the constitution of the BFMC.

The BFCC recognises that climate change has the potential to increase bush fire risk. The risk assessment process applied in this BFRMP is based on current climatic conditions. The BFCC will monitor information on climate change and will modify the process when necessary.

## 1.2 Aim and Objectives

The **aim** of this BFRMP is to minimise the risk of adverse impact of bush fires on life, property and the environment.

The **objectives** of this BFRMP are to:

- reduce the number of human-induced bush fire ignitions that cause damage to life, property and the environment;
- manage fuel to reduce the rate of spread and intensity of bush fires, while minimising environmental/ecological impacts;
- reduce the community's vulnerability to bush fires by improving its preparedness; and
- effectively contain fires with a potential to cause damage to life, property and the environment.

### **1.3 Description of the New England BFMC Area**

#### **1.3.1 Location and land tenure**

The New England BFMC area is located in the northern tablelands of New South Wales and includes the Local Government Areas of Armidale Regional , Uralla and Walcha.

The area covered by the New England BFMC is 1,813,000 hectares and includes the land tenures outlined in Table 1.1.

<b>Land Manager</b>	<b>% of BFMC area</b>
National Parks & Wildlife Service	17.1
Forests NSW	4.03
Department of Lands	8.3
Local Government	0.17
Private	67.6
All other	2.8

**Table 1.1 Land Tenure**

#### **1.3.2 Climate and bush fire season**

The typical / average climate in the New England BFMC area is a temperate to cool climate, characterised by warm summers with uniform rainfall generally occurring in the summer. Patches of montane climate occur at higher elevations and these are characterised by mild summers and no dry season. The bush fire season generally runs from August to March.

Prevailing weather conditions associated with the bush fire season in the New England BFMC area are west to north-westerly winds, moderate to high daytime temperatures and low relative humidity. Frosts in winter create low fuel moisture contents and dry lightning storms occur in the bush fire season.

#### **1.3.3 Population**

The population of the New England BFMC area is approximately 37,000 people. The major population centres are Armidale, Guyra, Uralla and Walcha.

#### **1.3.4 History of bush fire frequency and ignition cause**

The New England BFMC area has on average 95 bush fires per year, of which 12 on average can be considered to be major fires.

The main sources of ignition in the New England BFMC area are:

- Escaped private burns;
- Lightning strikes; and
- Arson/fire setting.

## Chapter 2. Identifying and Assessing the Bush Fire Risk

### 2.1 Process

The Australia/New Zealand Standard *AS/NZS 4360: 2004 Risk Management* was used as the basis for the risk assessment process. See Figure 2.1 for the steps involved. For a detailed description of the process undertaken see the Bush Fire Risk Management Planning Guidelines for Bush Fire Management Committees on the RFS website: [www.rfs.nsw.gov.au](http://www.rfs.nsw.gov.au).

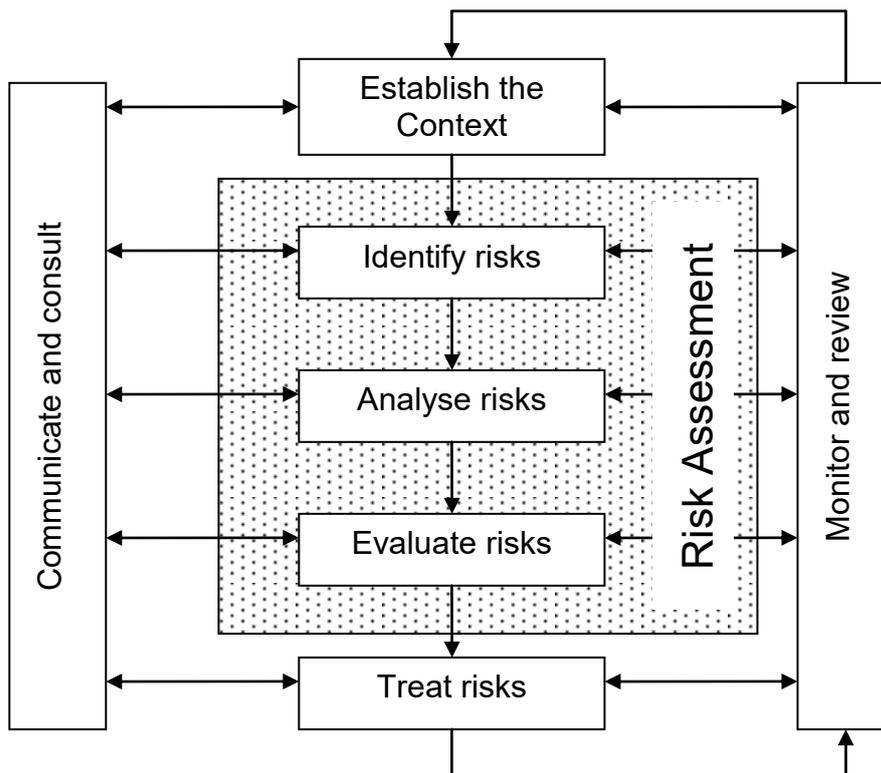


Figure 2.1 Overview of the risk assessment process

### 2.2 Communication and Consultation

Community participation is an integral part of risk management. The Community Participation Strategy involved developing and implementing a process to address the needs, issues and concerns of stakeholders within the BFMC area in regards to the BFRMP. See Appendix 1 for the Community Participation Strategy used by the New England BFMC in preparing this BFRMP.

## **2.3 Identifying the Bush Fire Risk**

Identifying the level of bush fire risk firstly involved identifying important community assets considered to be at risk from bush fire in the New England BFMC area, and then assessing the likelihood and consequence ratings.

### **2.3.1 Assets**

BFMC members and the community, including RFS volunteers, identified assets within the New England BFMC that they believed were at risk of bush fire.

The assets were divided into four asset types:

#### **Human settlement**

- Residential areas including urban bushland interface areas and rural properties;
- Special Fire Protection areas including schools, hospitals, nursing homes, and tourist facilities; and
- Other human settlement areas including commercial and industrial areas where distinct from major towns.
- Neighbourhood Safer Place (NSP) is defined by the *Rural Fires Act 1997* as *land or a building designated as a neighbourhood safer place under section 62C*. NSPs provide a place of last resort for people during a bush fire. All designated NSP locations for NSW are available at [www.rfs.nsw.gov.au](http://www.rfs.nsw.gov.au).

#### **Economic**

- Agricultural; e.g. major silos, regional saleyards, cropping/grazing land;
- Commercial/industrial e.g. major industries, waste treatment plants, sawmills;
- Infrastructure e.g. large power lines, gas and oil pipelines, railway lines, electricity substations, communication facilities;
- Tourist and recreational e.g. tourist sites and facilities, resorts, retreats;
- Mines;
- Commercial forests e.g. pine plantations, eucalypt plantations and commercial native forests; and
- Drinking water catchments.

#### **Environmental**

- Threatened species, populations and ecological communities and Ramsar wetlands;
- Locally important species and ecological communities, such as species and ecological communities especially sensitive to fire.

## **Cultural**

- Aboriginal significance – Aboriginal places and items of significance;
- Non-indigenous heritage – places and items arising from the early occupation of NSW by European or other non-indigenous settlers; and
- Other cultural assets – community halls, clubs and recreational facilities.

See Appendix 2 for the full list of assets identified in the New England BFMC area. See maps 1-5 for the location of assets to be treated under this BFRMP.

Risk assessments were not completed for Endangered Ecological Communities as there was insufficient information available.

### **2.3.2 Assessing the Bush Fire Risk - Consequence**

Once the assets were identified, the consequence of a bush fire impacting on these assets was assessed.

See Appendix 2 for the consequence ratings assigned to each asset identified in the New England BFMC area.

The different asset types had different assessment processes used to determine the consequence. These processes are identified below.

#### **Human settlement**

A potential fire behaviour model using vegetation type, slope and separation distance was used to produce a threat rating for human settlement assets. The vulnerability of the asset to a bush fire was also assessed and a rating assigned. These ratings were then used to assess the consequence of a bush fire impacting upon a human settlement asset.

Special Fire Protection (SFP) assets were considered inherently more vulnerable to bush fire due to mobility capacity, knowledge or other issues relating to their inhabitants, (e.g. the elderly, infirm, children or tourists) and therefore stricter requirements for vulnerability assessment and rating were applied. Due to circumstances surrounding NSPs and their use during a bush fire, stricter requirements for vulnerability assessment and rating will also apply to these assets.

#### **Economic**

The level of economic impact e.g. local, regional or state, as well as the economic recovery costs (how long and complicated a financial recovery will be) of the asset were identified. These ratings were used to assess the consequence of a bush fire impacting upon an economic asset.

#### **Environmental**

Environmental assets with known minimum fire threshold were assessed to determine if they were at risk of a bush fire within the 5 year life of the BFRMP using fire history data. Those environmental assets which were within or above the fire threshold were not assessed in the BFRMP, as the negative impact of a fire within the 5 year period was determined as being low and may even be of benefit to the asset and surrounding habitat.

The vulnerability of an environmental asset was determined by its conservation status and its geographic extent (distribution across the landscape). Vulnerability and potential impact of bush fire were used to assess the consequence of a bush fire impacting upon an environmental asset.

### **Cultural**

For non-indigenous historical, Aboriginal and other cultural assets a potential fire behaviour model using fuel load, slope and proximity was used to produce a threat rating. The physical vulnerability of the asset to a bush fire was also assessed. These ratings were then used to assess the consequence of a bush fire impacting upon a cultural asset.

### **2.3.3 Assessing the Bush Fire Risk - Likelihood**

For all asset types the likelihood of a bush fire occurring was assessed. This involves considering fire history, including ignition cause and patterns, known fire paths, access, containment potential and potential fire run (size of the vegetated area). See Appendix 2 for the likelihood ratings assigned to each asset identified in the New England BFMC area.

### **2.3.4 Identifying the level of risk**

The consequence and likelihood ratings were then used to identify the level of risk. See Appendix 2 for the risk ratings assigned to each asset identified in the New England BFMC area.

Some assets were initially assessed as more than one asset type ie Economic and Cultural. To avoid duplication the asset then remained as the asset type which had the greater level of risk. If the level of risk was found to be the same, the asset then remained as the asset type thought to be most appropriate.

### **2.3.5 Evaluating the Bush Fire Risk**

Once the risk ratings for each asset were identified, they were evaluated to:

- a) confirm that risk levels identified in the risk analysis process are appropriate and reflect the relative seriousness of the bush fire risk;
- b) identify which assets require treatments; and
- c) identify treatment priorities.

### **2.3.6 Prioritising Treatments**

No organisation has limitless resources to deal with adverse risk. It is therefore necessary to define priorities. The bush fire risk ratings determined were used to prioritise the risk treatments, i.e. areas of extreme risk were considered first for treatment, then very high, then high then medium then low.

### **2.3.7 Risk Acceptability**

Risks below a certain level were assessed as not requiring treatment within the life of this plan. This is due to a combination of risk priority, capacity to undertake the works and existing BFMC wide treatments. Within the New England BFMC area the level of acceptability is High. Areas of High, Medium and Low risk are likely to be managed by routine procedures and so do not require a specific application of resources.

The New England BFMC has accepted that there will be Extreme and Very High risk to some Environmental and Cultural assets. The New England BFMC will not be applying specific treatments to all of these assets as treatments may not be appropriate or may have the potential to damage the asset. However, the protection and management of the asset will be taken into account during the planning of activities in the area. The BFMC wide treatments are likely to contribute toward the reduction of risk to these assets.

All NSPs for a BFMC area will require ongoing treatment by the applicable land owner to ensure that the asset remains viable as a place of last resort for people during a bush fire. Therefore, all NSP assets are allocated specific treatments in this Plan, regardless of the level of bush fire risk identified and the risk acceptability nominated by the New England BFMC.

## **Chapter 3. Treating the Risk**

### **3.1 *Bush Fire Management Zones***

Bush Fire Management Zones were identified within the New England BFMC area and mapped (see maps 1-5). These zones identify the fire management intent for a specific area. See Table 3.1 for descriptions of the zones and their purposes. The four categories of Bush Fire Management Zones are:

- Asset Protection Zone (APZ);
- Strategic Fire Advantage Zone (SFAZ);
- Land Management Zone (LMZ); and
- Fire Exclusion Zone (FEZ).

Zone	Purpose	Suppression Objective(s)	Zone characteristics
<b>Asset Protection Zone</b>	To protect human life, property and highly valued public assets and values.	To enable the safe use of <b>Direct Attack</b> suppression strategies within the zone. To minimise bush fire impacts on undefended assets.	As per RFS document <i>Standards for Asset Protection Zones</i> .
<b>Strategic Fire Advantage Zone</b>	To provide strategic areas of fire protection advantage which will reduce the speed and intensity of bush fires, and reduce the potential for spot fire development; To aid containment of wildfires to existing management boundaries.	To improve the likelihood and safe use of: <b>Parallel Attack</b> suppression strategies within the zone. and/or <b>Indirect Attack</b> (back burning) in high to very high fire weather conditions within the zone.  To reduce the likelihood of: Crown fire development within the zone. and/or Spot fire ignition potential from the zone.	Zone width related to suppression objectives and dependant upon: <ul style="list-style-type: none"> <li>• Topography</li> <li>• Aspect</li> <li>• Spotting propensity</li> <li>• Location of adjacent firebreaks</li> <li>• Mosaic pattern of treatment</li> </ul> Assess Overall Fuel Hazard (OFH) once vegetation communities reach minimum fire thresholds within this plan. Management practices should aim to achieve mosaic fuel reduction patterns so that the majority of the SFAZ has an OFH of less than high.
<b>Land Management Zone</b>	To meet relevant land management objectives in areas where APZs or SFAZs are not appropriate.	As per the land management and fire protection objectives of the responsible land management agency. To reduce the likelihood of spread of fires. To undertake mosaic burning.	As appropriate to achieve land management e.g. heritage and/or fire protection e.g. broad scale mosaic burning objectives.
<b>Fire Exclusion Zone</b>	To exclude bush fires.	N/A	Variable dependant on size of fire sensitive area requiring protection.

**Table 3.1 Bush Fire Management Zones: Purpose, objectives and characteristics**

NB: OFH refers the Overall Fuel Hazard Guide as described in the document published by (Dept. of Sustainability and Environment 3<sup>rd</sup> ed. 1999 & NPWS version); State-wide procedures for assessment of fuel hazard will be developed in conjunction with the BFCC.

**Note:** All areas that are not mapped or described as APZs or SFAZs are considered as LMZs.

For the purpose of the Bush Fire Environmental Assessment Code:

1. Plantations that are approved under the *Plantations & Reafforestation Act 1999* after closure of the public exhibition period for this BFRMP are considered to be identified in this BFRMP; and
2. Retained vegetation within the aforementioned plantations is considered to be a Strategic Fire Advantage Zone identified in the text of this BFRMP as long as it meets the suppression objectives for SFAZs included in the BFRMP, and is not mapped or otherwise described as a Fire Exclusion Zone in the BFRMP.

### **3.2 BFMC Wide Treatments**

BFMC wide treatments are activities which reduce the overall bush fire risk within the BFMC area and are undertaken on an ongoing basis as part of normal business. These treatments are not linked to specific assets in the BFRMP, rather they are applied across all or part of the BFMC area as designated by legislation or agency policy. BFMC wide treatments include the following:

- **Reviewing the bush fire prone land map**

These maps identify bush fire prone land and are used to trigger whether a development application is assessed using *Planning for Bush Fire Protection*<sup>1</sup>.

- **Ensuring developments in bush fire prone land comply with *Planning for Bush Fire Protection***

This assessment process requires new applications for development to include bush fire protection measures.

- **Using the Local Environment Plan/s (LEPs) to control developments in areas with a bush fire risk**

LEPs can be used to exclude development in extreme bush fire risk areas or where bush fire protection measures cannot be incorporated.

- **Varying the standard bush fire danger period as required**

In years where the weather is particularly adverse the bush fire danger period may be brought in early or extended. This is assessed every year by the BFMC.

- **Requiring permits during the bush fire danger period**

In the bush fire danger period a fire safety permit is required to light a fire in the open. Permits specify conditions such as fire fighting equipment that must be on site, or restrict burns based on weather conditions.

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<sup>1</sup> NSW Rural Fire Service 2006 *Planning for Bush Fire Protection: A guide for councils, planners, fire authorities and developers*.

- **Prosecution of arsonists/offenders**

Under the *Rural Fires Act 1997* persons may be prosecuted for breaching the conditions on a fire permit, lighting a fire during a Total Fire Ban, allowing fire to escape their property, or other breaches of the Act.

- **Investigation of bush fire cause**

All bush fires which do not have a known cause are investigated to identify how they started.

- **Normal fire suppression activities**

Responding to bush fire is a normal business activity for the fire fighting authorities.

- **Assessing and managing compliance with strategic fire fighting resource allocation provisions**

Strategic fire fighting resource allocation provisions is the process used to identify the number of stations, brigades and appliances required in an area, and considers members, training, assets and hazards.

- **Preparation of a S52 Operations Coordination Plan**

The Operations Coordination Plan is prepared biennially and sets out how coordinated fire fighting will occur. It includes specific operational restrictions on fire fighting techniques in certain areas, where fires will be managed from, and how agencies involved can communicate during operations.

- **Fire Management Plans or Plans of Management**

Some land management agencies have developed fire management plans or plans of management with specific fire or fuel management strategies, for example a Forestry Corporation Regional Fuel Management Risk Plan, or NPWS Reserve Fire Management Strategies. These publicly exhibited plans form the basis for operational fire planning on public parks, reserves and forests.

- **Bush Fire Hazard Complaints**

If someone is concerned about possible bush fire hazards on a neighbouring property or any other land, then this can be reported to the RFS Commissioner or their local RFS Fire Control Centre. The complaint will be investigated and may result in a notice being issued to the landowner or manager to reduce the hazard.

### **3.3 Asset Specific Treatments**

There are six broad strategy groups available to treat the bush fire risk to assets identified in the BFRMP.

The types of asset specific treatments in each strategy group used in the New England BFMC area are listed below. A full list of the treatment strategies in the New England BFMC area are in Appendix 3.

Strategy	Targeted treatments used in the New England BFMC area
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Ignition Management	Control activities on days of increased fire danger.
Hazard Reduction	Reduce fuel loads adjacent to assets.
Community Education	Provide information and facilitate Bush Fire Survival Plans.
Property Planning	Develop and implement Community Protection Plans and Evacuation Plans.
Preparedness	Increase response by fire detection, access and pre-incident planning.
Other	Implement existing management plans.

**Table 3.2 Asset specific treatments used in the New England BFMC area**

### **3.4 Fire Thresholds**

The vegetation in the New England BFMC area was classified into fire threshold categories (Table 3.3).

Plant species and many vegetation communities have minimum fire thresholds which are the shortest inter-fire interval needed to avoid any localised declines or losses of species as a result of too frequent fire. The maximum threshold indicates the time since fire at which it may be expected that species may be lost from the community due to aging.

Vegetation formation	Minimum SFAZ Threshold (years)	Minimum LMZ Threshold (years)	Maximum Threshold (years)	Notes
Rainforest	NA	NA	NA	Fire should be avoided.
Alpine complex	NA	NA	NA	Fire should be avoided.
Wet Sclerophyll forest (shrubby subformation)	25	30	60	Crown fires should be avoided in the lower end of the interval range.
Wet Sclerophyll forest (grassy subformation)	10	15	50	Crown fires should be avoided in the lower end of the interval range.
Grassy woodland	5	8	40	Minimum interval of 10 years should apply in the southern Tablelands area. Occasional intervals greater than 15 years may be desirable.
Grassland	2	3	10	Occasional intervals greater than 7 years should be included in coastal areas. There was insufficient data to give a maximum interval; available evidence indicates maximum intervals should be approximately 10 years.
Dry sclerophyll forest (shrub/grass subformation)	5	8	50	Occasional intervals greater than 25 years may be desirable.
Dry sclerophyll forest (shrub subformation)	7	10	30	Occasional intervals greater than 25 years may be desirable.
Heathlands	7	10	30	Occasional intervals greater than 20 years may be desirable.
Freshwater wetlands	6	10	35	Occasional intervals greater than 30 years may be desirable.
Forested wetlands	7	10	35	Some intervals greater than 20 years may be desirable.
Saline wetlands	NA	NA	NA	Fire should be avoided.
Semi-arid woodlands (grassy subformation)	6	9	No max	Not enough data for a maximum fire interval.
Semi-arid woodlands (shrubby subformation)	10	15	No Max	Not enough data for a maximum fire interval.
Arid shrublands (chenopod subformation)	NA	NA	NA	Fire should be avoided.
Arid shrublands (acacia subformation)	10	15	No Max	Not enough data for a maximum fire interval.

**Table 3.3 Fire Thresholds for Vegetation Categories**

### **3.5 Annual Works Programs**

The land management agencies and fire fighting authorities responsible for implementing the treatments identified in this plan will include those treatments in their annual works programs detailing how, when, and where the required activities will be undertaken.

### **3.6 Implementation**

When the treatments identified in this BFRMP are implemented there are a number of issues that need to be considered by the responsible agency including environmental assessments and approvals, smoke management and prescribed burn plans.

## **Chapter 4. Performance Monitoring and Reviewing**

### **4.1 Review**

This BFRMP must be reviewed and updated within each successive five-year period from the constitution of the BFMC. The New England BFMC will also review this plan as necessary to account for any changes in context or risk. This may be triggered by a range of circumstances, including but not limited to:

- changes to the BFMC area, organisational responsibilities or legislation;
- changes to the bush fire risk in the area; or
- following a major fire event.

### **4.2 Monitoring**

The BFMC is required to monitor progress towards the completion of treatment works listed in the BFRMP, and the timeliness of the works.

### **4.3 Reporting**

The BFMC is required to report annually to the BFCC on its progress in implementing the bush fire risk management activities identified in this plan.

### **4.4 Performance Measurements**

State wide performance measurements which are linked to the BFRMP have been identified by the BFCC. All BFMCs must use these to monitor and report on their success in reducing the bush fire risk in their BFMC area.

## Appendix 1: Community Participation Strategy

Date	Target Audience	Method of Communication	Method of Notification	Key Messages/Purpose	Resources Required	Responsibility
29 January 2014	New England Zone Community Engagement Committee	Pre-planned Meeting	RFS Correspondence	<ul style="list-style-type: none"> <li>BFRMP process</li> <li>Identify assets</li> <li>Discuss risk assessments</li> <li>Discuss treatment options</li> </ul>	<ul style="list-style-type: none"> <li>Venue</li> <li>Facilitator</li> </ul>	Rachael Eggins RFS Trevor Strudwick RFS (vol)
March, April and July 2014	NE Zone RFS	Pre-planned Meeting	RFS Correspondence	<ul style="list-style-type: none"> <li>BFRMP process</li> <li>Identify assets</li> <li>Discuss risk assessments</li> <li>Discuss treatment options</li> </ul>	<ul style="list-style-type: none"> <li>Venue</li> <li>Computer</li> <li>Facilitator</li> </ul>	Rachael Eggins RFS Elaine Van Dyk RFS
20 <sup>th</sup> May 2014	New England BFMC members	BFMC Meeting	Email Correspondence Agenda	<ul style="list-style-type: none"> <li>CPP for Invergowrie received</li> <li>BFRMP process</li> <li>Identify assets</li> <li>Discuss risk assessments</li> <li>Discuss treatment options</li> </ul>	<ul style="list-style-type: none"> <li>Venue</li> <li>Maps</li> <li>Facilitator</li> </ul>	EO Steve Mepham RFS RFS Customer Service Centre Rachael Eggins RFS Various Agencies
19 <sup>th</sup> August 2014	New England BFMC members	BFMC Meeting	Email Correspondence Agenda	<ul style="list-style-type: none"> <li>Motion to put the Draft Plan out for the mandatory 42 days public exhibition once complete ratings and treatments of the Aboriginal Heritage and Threatened Species layers.</li> </ul>	<ul style="list-style-type: none"> <li>Venue</li> </ul>	EO Steve Mepham RFS
25 <sup>th</sup> August 2014	RFS Senior Management Team	SMT Meeting open discussion	Email Correspondence Agenda	<ul style="list-style-type: none"> <li>Review and comment</li> </ul>	<ul style="list-style-type: none"> <li>Venue</li> </ul>	EO Steve Mepham RFS
14 <sup>th</sup> November 2014 to 31 <sup>st</sup> December 2014	Public Exhibition	Static Display	Media	<ul style="list-style-type: none"> <li>Exhibition of Draft Plan as adopted by the BFMC</li> </ul>	<ul style="list-style-type: none"> <li>Draft Plan</li> <li>Maps</li> </ul>	Elaine Van Dyk RFS
14 <sup>th</sup> November 2014	BFMC Members Surrounding DTZ	Sent CD of Plan, Maps, and Letter	Post	<ul style="list-style-type: none"> <li>Exhibition of Draft Plan as adopted by the BFMC</li> </ul>	28 CD copies of the plan	Elaine Van Dyk RFS

				<ul style="list-style-type: none"> <li>• Copy of Draft BFRMP to facilitate written submissions.</li> </ul>		
11 <sup>th</sup> February 2015	Meeting with National Parks	In person	Email	<ul style="list-style-type: none"> <li>• Amend SFAZ layer and other minor errors</li> </ul>	Venue Facilitator Copy of Maps	Renee Dell – NE RFS CSO

## Appendix 2: Asset Register

Map Ref	Asset Type	Sub Type	Name	Location	Display Map	Likelihood	Consequence	Risk	Priority	Treatment Ref
0	Human Settlement	Residential	Isolated Rural Dwellings	New England Zone	Central East;Central West;North East;North West;South	Possible	Moderate	Medium	4	49
0	Economic	Agricultural	Dog Fence Walcha	Western side of Oxley Wild Rivers NP	Central East;South	Almost certain	Moderate	Very High	2C	28
0	Economic	Agricultural	Beef Cattle Industry	New England Zone	Central East;Central West;North East;North West;South	Almost certain	Minor	High	3D	
0	Economic	Agricultural	Travelling Stock Routes	New England Zone	Central East;Central West;North East;North West;South	Possible	Minor	Low	NA	
0	Economic	Agricultural	Vineyards	New England Zone	Central East;Central West;North East;North West;South	Likely	Minor	Medium	4	
0	Economic	Agricultural	Dog Fence Dorrigo	Western side of Cathedral Rock & Guy Fawkes NP's	Central East;North East	Almost certain	Moderate	Very High	2C	28

Map Ref	Asset Type	Sub Type	Name	Location	Display Map	Likelihood	Consequence	Risk	Priority	Treatment Ref
0	Economic	Agricultural	Sheep Industry (Wool & Meat)	New England Zone	Central East;Central West;North East;North West;South	Almost certain	Minor	High	3D	
0	Economic	Infrastructure	High & Low Voltage Over Head Conductors	New England Zone	Central West	Almost certain	Minor	High	3D	
0	Economic	Infrastructure	Sub Transmission Conductors	New England Zone	Central East;Central West;North East;North West;South	Possible	Major	High	3B	
0	Economic	Infrastructure	Transmission Conductors	New England Zone	Central East;Central West;North East;North West;South	Possible	Major	High	3B	
0	Cultural	Non Indigenous	Yooroonah Tank Barrier	Cathedral Rock NP	Central East	Almost certain	Catastrophic	Extreme	1A	7;3
0	Cultural	Non Indigenous	Historic Cemetery	Uralla LGA	North West	Almost certain	Moderate	Very High	2C	
1	Cultural	Non Indigenous	Bark Hut	Oxley Wild Rivers NP	Central East	Almost certain	Catastrophic	Extreme	1A	45
9	Human Settlement	Residential	Carrai Plateau	Carrai	Central East	Almost certain	Major	Extreme	1C	3;12;21

Map Ref	Asset Type	Sub Type	Name	Location	Display Map	Likelihood	Consequence	Risk	Priority	Treatment Ref
11	Economic	Mines	Straits Hillgrove Gold Mine	Hillgrove	Central East	Likely	Moderate	High	3A	
12	Human Settlement	Residential	Invergowrie	Invergowrie	Central West	Likely	Catastrophic	Extreme	1B	23;30;33;21
13	Economic	Infrastructure	Point Lookout Communications Towers	Point Lookout, New England NP	North East	Unlikely	Catastrophic	High	3C	
14	Human Settlement	Special Fire Protection	Thalgarrah Field Studies Centre	Armidale	Central East	Likely	Major	Very High	2A	43
28	Cultural	Non Indigenous	Yarrowitch River Hut and Stock Yards	Oxley Wild Rivers NP	South	Likely	Major	Very High	2A	45
29	Cultural	Non Indigenous	Colwells Hut and Stock Yards	Oxley Wild Rivers NP	South	Likely	Major	Very High	2A	45
30	Cultural	Non Indigenous	Middle Yards Hut	Oxley Wild Rivers NP	Central East	Almost certain	Major	Extreme	1C	45
31	Cultural	Non Indigenous	Green Gully Hut and Stock Yards	Oxley Wild Rivers NP	Central East	Almost certain	Major	Extreme	1C	45
33	Cultural	Non Indigenous	Front Tableland Hut and Stock Yards	Oxley Wild Rivers NP	Central East	Almost certain	Major	Extreme	1C	45
35	Cultural	Non Indigenous	Left Hand Hut	Oxley Wild Rivers NP	Central East	Almost certain	Major	Extreme	1C	45

Map Ref	Asset Type	Sub Type	Name	Location	Display Map	Likelihood	Consequence	Risk	Priority	Treatment Ref
36	Cultural	Non Indigenous	Tin Hut	Oxley Wild Rivers NP	Central East	Almost certain	Major	Extreme	1C	45
37	Economic	Infrastructure	Tingha Communications Towers	Indwarra NR	North West	Likely	Major	Very High	2A	3;14
38	Economic	Tourist and Recreational	West Kunderang Homestead & Camp Grounds	Kunderang	Central East	Almost certain	Minor	High	3D	
39	Economic	Tourist and Recreational	Halls Peak Camp Ground	Oxley Wild Rivers NP	Central East	Almost certain	Major	Extreme	1C	45
57	Economic	Commercial Forest	Nowendoc Plantations	Nowendoc	South	Likely	Major	Very High	2A	15;16;17;18;19
58	Economic	Commercial Forest	Croft Knoll Plantation	Walcha	South	Likely	Major	Very High	2A	15;16;17;18;19
59	Cultural	Non Indigenous	Christies Hut	Nowendoc NP	South	Likely	Major	Very High	2A	45
60	Economic	Tourist and Recreational	Dangars Falls Visitor Facilities	Oxley Wild Rivers NP	Central East	Likely	Major	Very High	2A	45
61	Economic	Tourist and Recreational	Gara Gorge Visitor Facilities	Oxley Wild Rivers NP	Central East	Likely	Major	Very High	2A	45
62	Cultural	Non Indigenous	Gara River Hydro-Electric Scheme	Oxley Wild Rivers NP	Central East	Likely	Major	Very High	2A	45
64	Human Settlement	Residential	Hillgrove	Hillgrove	Central East	Likely	Major	Very High	2A	27;37

Map Ref	Asset Type	Sub Type	Name	Location	Display Map	Likelihood	Consequence	Risk	Priority	Treatment Ref
65	Economic	Infrastructure	Stockx Peak Communications Tower	Point Lookout	Central East	Almost certain	Moderate	Very High	2C	14
66	Economic	Infrastructure	Little Duval Communications Towers	Armidale	North West	Possible	Moderate	Medium	4	
68	Economic	Infrastructure	Blakes Communications Tower	Walcha	Central West	Likely	Moderate	High	3A	
69	Economic	Infrastructure	Haystack Communications Tower	Bakers Creek	North West	Likely	Moderate	High	3A	
70	Economic	Infrastructure	Rumbee Communications Tower	Ben Lomond	North West	Likely	Moderate	High	3A	
71	Economic	Commercial Forest	Riamukka Plantation	Riamukka	South	Likely	Major	Very High	2A	15;16;17;18;19
72	Human Settlement	Special Fire Protection	Chandler Public School	Wollomombi	Central East	Likely	Major	Very High	2A	22;42
73	Human Settlement	Special Fire Protection	Newholme Rural Research Station	Newholme	North West	Likely	Moderate	High	3A	
74	Human Settlement	Special Fire Protection	Kirby Rural Research Station	Armidale	North West	Likely	Major	Very High	2A	44

Map Ref	Asset Type	Sub Type	Name	Location	Display Map	Likelihood	Consequence	Risk	Priority	Treatment Ref
75	Human Settlement	Special Fire Protection	Laureldale Rural Research Station	Armidale	Central West	Likely	Major	Very High	2A	44
76	Human Settlement	Special Fire Protection	Yarrowitch Public School	Yarrowitch	South	Likely	Major	Very High	2A	22;42
77	Human Settlement	Special Fire Protection	Nowendoc Public School	Nowendoc	South	Likely	Major	Very High	2A	47;43
78	Economic	Tourist and Recreational	Ebor Falls Picnic Area	Guy Fawkes River NP	North East	Likely	Minor	Medium	4	
113	Economic	Tourist and Recreational	Long Point Picnic and Camp Grounds	Oxley Wild Rivers NP	Central East	Almost certain	Minor	High	3D	
119	Cultural	Non Indigenous	Boban Hut	Boban Fire Trail, Guy Fawkes River NP	North East	Almost certain	Moderate	Very High	2C	3;12
120	Cultural	Non Indigenous	Combalo Hut	Combalo Flat, Guy Fawkes River NP	North East	Almost certain	Moderate	Very High	2C	3;12
122	Human Settlement	Residential	Uralla	Uralla	Central West	Likely	Moderate	High	3A	
123	Cultural	Non Indigenous	Wright's Hut	Nowendoc NP	South	Likely	Moderate	High	3A	
124	Cultural	Non Indigenous	Sunnyside Woolshed	Oxley Wild Rivers NP	South	Likely	Moderate	High	3A	
126	Cultural	Non Indigenous	Mooraback Hut	Werrikimbe NP	South	Likely	Moderate	High	3A	

Map Ref	Asset Type	Sub Type	Name	Location	Display Map	Likelihood	Consequence	Risk	Priority	Treatment Ref
128	Cultural	Non Indigenous	Hams Hut and Homestead	Nowendoc NP	South	Likely	Moderate	High	3A	
132	Human Settlement	Residential	Kingstown	Kingstown	Central West	Likely	Moderate	High	3A	
133	Human Settlement	Residential	Rocky River	Rocky River	Central West	Almost certain	Moderate	Very High	2C	39
134	Human Settlement	Residential	Walcha	Walcha	Central West	Likely	Minor	Medium	4	
135	Human Settlement	Residential	Woolbrook	Woolbrook	Central West	Likely	Moderate	High	3A	
136	Human Settlement	Residential	Walcha Road	Walcha Road	Central West	Likely	Moderate	High	3A	
137	Human Settlement	Residential	Bundarra	Bundarra	North West	Likely	Minor	Medium	4	
140	Economic	Tourist and Recreational	Point Lookout Picnic Area	New England NP	Central East	Likely	Minor	Medium	4	
142	Economic	Infrastructure	Gara Dam Pump Station	Gara	Central East	Likely	Moderate	High	3A	
159	Economic	Infrastructure	Tiangie Communications Tower	Wongwibinda	North East	Possible	Major	High	3B	
160	Cultural	Non Indigenous	Lower Creek Hut	Cunnawarra NP	Central East	Possible	Major	High	3B	
161	Economic	Commercial Forest	Styx River Native Forest	Styx River	Central East	Almost certain	Minor	High	3D	
162	Economic	Commercial Forest	Brassey/Doyles State Forest	Kangaroo Flat	South	Almost certain	Minor	High	3D	

Map Ref	Asset Type	Sub Type	Name	Location	Display Map	Likelihood	Consequence	Risk	Priority	Treatment Ref
163	Economic	Commercial Forest	Enfield State Forest	Yarrowitch	South	Almost certain	Minor	High	3D	
164	Economic	Commercial Forest	Riamukka State Forest	Riamukka	South	Almost certain	Minor	High	3D	
165	Economic	Commercial Forest	Tuggolo State Forest	Niangala	South	Almost certain	Minor	High	3D	
166	Economic	Commercial Forest	Nowendoc/Giro State Forest	Nowendoc	South	Almost certain	Minor	High	3D	
168	Economic	Tourist and Recreational	Budds Mare Camp Ground	Oxley Wild Rivers NP	Central East	Almost certain	Minor	High	3D	
169	Economic	Tourist and Recreational	Riverside Camp Ground	Oxley Wild Rivers NP	Central East	Almost certain	Moderate	Very High	2C	45
170	Economic	Tourist and Recreational	Mary's View	Oxley Wild Rivers NP	Central East	Almost certain	Minor	High	3D	
171	Cultural	Non Indigenous	Tingha Cemetery	Tingha	North West	Almost certain	Minor	High	3D	
174	Economic	Tourist and Recreational	Barokee Camping Ground	Cathedral Rock NP	North East	Almost certain	Minor	High	3D	
175	Economic	Tourist and Recreational	Native Dog Camping Ground	Cathedral Rock NP	North East	Almost certain	Minor	High	3D	
178	Economic	Infrastructure	Porters Camp Telecommunications	Mummel Gulf NP	South	Unlikely	Major	Medium	4	
180	Economic	Tourist and Recreational	Mooraback Camp Ground	Werrikimbe NP	South	Likely	Minor	Medium	4	

Map Ref	Asset Type	Sub Type	Name	Location	Display Map	Likelihood	Consequence	Risk	Priority	Treatment Ref
184	Economic	Infrastructure	Newholme Meteorological Station	Newholme	North West	Likely	Minor	Medium	4	
185	Economic	Infrastructure	Mt Salisbury Communications Tower	Uralla	Central West	Unlikely	Major	Medium	4	
188	Cultural	Non Indigenous	Nowendoc Cemetery	Nowendoc	South	Likely	Minor	Medium	4	
189	Human Settlement	Special Fire Protection	University of New England	Armidale	Central West	Unlikely	Major	Medium	4	
190	Human Settlement	Special Fire Protection	Bald Blair Public School	Bald Blair	North East	Unlikely	Moderate	Low	NA	
191	Human Settlement	Special Fire Protection	Kellys Plains Public School	Kellys Plains	Central West	Unlikely	Moderate	Low	NA	
193	Economic	Tourist and Recreational	Thungutti Camping Ground	New England NP	Central East	Likely	Minor	Medium	4	
199	Economic	Infrastructure	Armidale Meteorological Station	Armidale	Central West	Unlikely	Minor	Low	NA	
201	Economic	Tourist and Recreational	New Country Swamp Camp Ground	Mummel Gulf NP	South	Unlikely	Minor	Low	NA	
202	Economic	Tourist and Recreational	Tia Falls	Oxley Wild Rivers NP	South	Unlikely	Minor	Low	NA	
203	Economic	Tourist and Recreational	Apsley Falls	Oxley Wild Rivers NP	South	Unlikely	Major	Medium	4	
204	Economic	Commercial Forest	Lower Creek State Forest	Lower Creek	Central East	Possible	Minor	Low	NA	

Map Ref	Asset Type	Sub Type	Name	Location	Display Map	Likelihood	Consequence	Risk	Priority	Treatment Ref
205	Human Settlement	Residential	Armidale	Armidale	Central East	Unlikely	Moderate	Low	NA	
206	Human Settlement	Residential	Ben Lomond	Ben Lomond	North West	Unlikely	Moderate	Low	NA	
207	Human Settlement	Residential	Llangothlin	Llangothlin	North West	Unlikely	Moderate	Low	NA	
208	Human Settlement	Residential	Guyra	Guyra	North West	Unlikely	Moderate	Low	NA	
209	Human Settlement	Residential	Black Mountain	Black Mountain	North West	Unlikely	Moderate	Low	NA	
213	Cultural	Non Indigenous	Bundarra Cemetery	Bundarra	North West	Unlikely	Minor	Low	NA	
214	Cultural	Non Indigenous	Uralla Cemetery	Uralla	Central West	Unlikely	Minor	Low	NA	
216	Cultural	Non Indigenous	Woolbrook Cemetery	Woolbrook	Central West	Unlikely	Minor	Low	NA	
218	Cultural	Non Indigenous	Walcha Cemetery	Walcha	Central West	Unlikely	Minor	Low	NA	
221	Cultural	Non Indigenous	Guyra Cemetery	Guyra	North West	Unlikely	Minor	Low	NA	
222	Economic	Tourist and Recreational	Tom's Cabin	Point Lookout, New England NP	Central East	Likely	Moderate	High	3A	
223	Economic	Tourist and Recreational	Banksia Point Cabins	Point Lookout, New England NP	Central East	Unlikely	Moderate	Low	NA	
224	Economic	Tourist and Recreational	Beech Lookout Picnic Area	Cunnawarra NP	Central East	Unlikely	Minor	Low	NA	

Map Ref	Asset Type	Sub Type	Name	Location	Display Map	Likelihood	Consequence	Risk	Priority	Treatment Ref
229	Human Settlement	Residential	Summervale	Walcha	Central West	Unlikely	Moderate	Low	NA	
230	Economic	Commercial Forest	Armidale Plantation	Armidale	Central East	Almost certain	Major	Extreme	1C	15;16;17;18;19
231	Economic	Commercial Forest	Mount Topper Plantation	Tingha	North West	Almost certain	Major	Extreme	1C	15;16;17;18;19
232	Economic	Tourist and Recreational	Wollomombi Visitor Facilities	Oxley Wild Rivers NP	Central East	Likely	Major	Very High	2A	45
233	Human Settlement	Residential	Tingha	Tingha	North West	Almost certain	Major	Extreme	1C	13;29;24;33;41
234	Human Settlement	Residential	West Uralla Rural Residential Area	West Uralla	Central West	Almost certain	Moderate	Very High	2C	40
235	Cultural	Other	Wollomombi Hall	Wollomombi	Central East	Unlikely	Moderate	Low	NA	
236	Cultural	Other	Puddledock Hall	Puddledock	North East	Unlikely	Moderate	Low	NA	
237	Cultural	Other	Wongwibinda Hall	Wongwibinda	North East	Unlikely	Moderate	Low	NA	
238	Cultural	Other	Yarrowitch Hall	Yarrowitch	South	Unlikely	Moderate	Low	NA	
239	Cultural	Other	Dangarsleigh Hall	Dangarsleigh	Central West	Unlikely	Moderate	Low	NA	
240	Economic	Commercial	CSIRO Research Station	Uralla	Central West	Likely	Major	Very High	2A	32

<b>Map Ref</b>	<b>Asset Type</b>	<b>Sub Type</b>	<b>Name</b>	<b>Location</b>	<b>Display Map</b>	<b>Likelihood</b>	<b>Consequence</b>	<b>Risk</b>	<b>Priority</b>	<b>Treatment Ref</b>
241	Economic	Commercial	Tingha Council Depot	Tingha	North West	Almost certain	Moderate	Very High	2C	13
242	Economic	Commercial	Tingha Landfill	Tingha	North West	Almost certain	Moderate	Very High	2C	25
243	Economic	Commercial	Tallangandra Depot	Guy Fawkes River NP	North East	Almost certain	Moderate	Very High	2C	20;3
245	Economic	Commercial	Bundarra Landfill/Transfer Station	Bundarra	North West	Likely	Moderate	High	3A	
246	Economic	Commercial	Uralla Landfill/Transfer Station	Uralla	Central West	Likely	Moderate	High	3A	
247	Economic	Drinking Water Catchment	Malpas Dam Pump Station	Black Mountain	North East	Likely	Moderate	High	3A	
248	Economic	Drinking Water Catchment	Mount Mutton Water Reservoir	Uralla	Central West	Likely	Moderate	High	3A	
249	Economic	Commercial	Walcha Landfill/Transfer Station	Walcha	Central West	Likely	Moderate	High	3A	
250	Economic	Commercial	Walcha Water Treatment Plant	Walcha	Central West	Likely	Moderate	High	3A	
251	Economic	Commercial	Uralla Water Treatment Plant	Uralla	Central West	Unlikely	Moderate	Low	NA	

Map Ref	Asset Type	Sub Type	Name	Location	Display Map	Likelihood	Consequence	Risk	Priority	Treatment Ref
252	Economic	Commercial	Guyra Water Treatment Plant	Guyra	North East	Unlikely	Moderate	Low	NA	
253	Economic	Drinking Water Catchment	Walcha Water Storage	Walcha	Central West	Unlikely	Moderate	Low	NA	
254	Economic	Commercial	Walcha Sewage Treatment Plant	Walcha	Central West	Unlikely	Moderate	Low	NA	
255	Economic	Commercial	Uralla Sewage Treatment Plant	Uralla	Central West	Unlikely	Moderate	Low	NA	
256	Economic	Commercial	Guyra Sewage Treatment Plant	Guyra	North West	Unlikely	Moderate	Low	NA	
257	Economic	Drinking Water Catchment	Armidale South Water Storage	Armidale	Central West	Unlikely	Moderate	Low	NA	
258	Economic	Commercial	Armidale Sewage Treatment Plant	Armidale	Central East	Unlikely	Moderate	Low	NA	
259	Economic	Commercial	Ebor Transfer Station	Ebor	North East	Likely	Minor	Medium	4	
260	Economic	Commercial	Wollomombi Transfer Station	Wollomombi	Central East	Likely	Minor	Medium	4	

Map Ref	Asset Type	Sub Type	Name	Location	Display Map	Likelihood	Consequence	Risk	Priority	Treatment Ref
261	Economic	Commercial	Petroi Sheds	New England NP	Central East	Likely	Minor	Medium	4	
262	Economic	Commercial	Guyra Transfer Station	Guyra	North West	Likely	Minor	Medium	4	
263	Economic	Commercial	Tilbuster Transfer Station	Tilbuster	North West	Likely	Minor	Medium	4	
264	Economic	Commercial	Hillgrove Transfer Station	Hillgrove	Central East	Likely	Minor	Medium	4	
265	Economic	Commercial	Woolbrook Landfill/Transfer Station	Woolbrook	Central West	Almost certain	Minor	High	3D	
266	Economic	Commercial	Nowendoc Landfill/Transfer Station	Nowendoc	South	Almost certain	Minor	High	3D	
267	Economic	Commercial	Kingstown Landfill/Transfer Station	Kingstown	Central West	Almost certain	Minor	High	3D	
268	Economic	Commercial	Cedar Creek Complex	Oxley Wild Rivers NP	South	Almost certain	Major	Extreme	1C	45
269	Economic	Commercial	Styx River SF Head Quarters	Styx River SF	Central East	Likely	Minor	Medium	4	
270	Economic	Tourist and Recreational	Riamukka Camp	Riamukka SF	South	Likely	Minor	Medium	4	
271	Economic	Tourist and Recreational	Top Camp	Riamukka SF	South	Likely	Minor	Medium	4	

Map Ref	Asset Type	Sub Type	Name	Location	Display Map	Likelihood	Consequence	Risk	Priority	Treatment Ref
272	Economic	Commercial	Armidale Waste Management Facility	Armidale	Central East	Unlikely	Major	Medium	4	
273	Human Settlement	Residential	Ebor	Ebor	North East	Possible	Moderate	Medium	4	
275	Human Settlement	Residential	Balala	Uralla	Central West	Likely	Moderate	High	3A	
276	Economic	Infrastructure	Walcha Aerodrome	Walcha	Central West	Unlikely	Moderate	Low	NA	
277	Environment	Endangered	Ramsar Wetland	Little Llangothlin NR	North East	Unlikely	Major	Medium	4	
278	Human Settlement	Other	NSP - Grahame Park	Tingha	North West	Possible	Major	High	3B	1
279	Human Settlement	Other	NSP - Tingha Primary School & Recreation Reserve	Tingha	North West	Possible	Major	High	3B	2
280	Human Settlement	Other	NSP - Bundarra Showground	Bundarra	North West	Unlikely	Moderate	Low	NA	1
281	Human Settlement	Other	NSP - Guyra Showgrounds	Guyra	North West	Unlikely	Moderate	Low	NA	1
282	Human Settlement	Other	NSP - Hillgrove Sportsground & Recreation Reserve	Hillgrove	Central East	Unlikely	Moderate	Low	NA	1

Map Ref	Asset Type	Sub Type	Name	Location	Display Map	Likelihood	Consequence	Risk	Priority	Treatment Ref
283	Human Settlement	Other	NSP - Nowendoc Memorial Hall	Nowendoc	South	Unlikely	Moderate	Low	NA	1
284	Economic	Commercial	Ben Lomond Landfill	Ben Lomond	North West	Unlikely	Minor	Low	NA	
285	Human Settlement	Residential	Yarrowitch Estate	Walcha	South	Almost certain	Catastrophic	Extreme	1A	4;5;6:49
286	Human Settlement	Special Fire Protection	Rocky River Public School	Rocky River	Central West	Likely	Moderate	High	3A	
287	Human Settlement	Special Fire Protection	Kingstown Public School	Kingstown	Central West	Unlikely	Major	Medium	4	
288	Human Settlement	Residential	Nowendoc	Nowendoc	South	Unlikely	Moderate	Low	NA	
290	Human Settlement	Special Fire Protection	Woolbrook Public School	Woolbrook	Central West	Likely	Moderate	High	3A	
291	Economic	Infrastructure	Lockheed Martin Satellite Tracking Station	Big Ridge Rd, Uralla	Central West	Unlikely	Moderate	Low	NA	
292	Economic	Infrastructure	Armidale Airport	Armidale	Central West	Unlikely	Major	Medium	4	
293	Economic	Infrastructure	Telstra Towers	Translator Rd, Armidale	Central West	Possible	Moderate	Medium	4	
294	Economic	Infrastructure	TV Tower	Translator Rd, Armidale	Central West	Possible	Moderate	Medium	4	
297	Economic	Infrastructure	Mt Mutton Tower	Uralla	Central West	Unlikely	Moderate	Low	NA	

Map Ref	Asset Type	Sub Type	Name	Location	Display Map	Likelihood	Consequence	Risk	Priority	Treatment Ref
298	Economic	Tourist and Recreational	Jacky Barker	Nowendoc NP	South	Likely	Moderate	High	3A	
299	Economic	Tourist and Recreational	Daisy Plains Huts	Carrai NP	Central East	Almost certain	Moderate	Very High	2C	45;10
300	Cultural	Other	Kingstown Hall	Kingstown	Central West	Unlikely	Minor	Low	NA	
301	Cultural	Non Indigenous	Saumarez Homestead	Armidale	Central West	Unlikely	Minor	Low	NA	
302	Cultural	Non Indigenous	Dumaresq Railway Station Group	Dumaresq Rd	Central West	Unlikely	Moderate	Low	NA	
303	Cultural	Non Indigenous	Walcha Road Railway Station & Yard Group	Walcha Road	Central West	Likely	Moderate	High	3A	
304	Cultural	Non Indigenous	Ohio Homestead	Walcha	Central West	Unlikely	Minor	Low	NA	
305	Economic	Tourist and Recreational	Birds Nest Hut & Stock Yards	Oxley Wild Rivers NP	Central East	Likely	Moderate	High	3A	
310	Human Settlement	Other	East Kunderang Homestead & Precinct	Oxley Wild Rivers NP	Central East	Almost certain	Catastrophic	Extreme	1A	10;45;49
311	Human Settlement	Other	Youdales Hut & Stock Yards	Oxley Wild Rivers NP	South	Almost certain	Catastrophic	Extreme	1A	45;49
312	Cultural	Non Indigenous	Historic Cemetery	Bendemeer Rd, Kingstown	Central West	Unlikely	Minor	Low	NA	

Map Ref	Asset Type	Sub Type	Name	Location	Display Map	Likelihood	Consequence	Risk	Priority	Treatment Ref
314	Economic	Infrastructure	Round Mountain Radar Facility	Cathedral Rock NP	North East	Almost certain	Catastrophic	Extreme	1A	3;9
315	Economic	Infrastructure	Telecommunications Tower	Balala	Central West	Possible	Minor	Low	NA	
316	Economic	Infrastructure	Telecommunications Tower	Ingleba	South	Unlikely	Minor	Low	NA	
320	Cultural	Non Indigenous	Youdales Mill Hut	Oxley Wild Rivers NP	South	Likely	Catastrophic	Extreme	1B	46
321	Cultural	Non Indigenous	Youdales Mine Hut	Oxley Wild Rivers NP	South	Likely	Catastrophic	Extreme	1B	46
322	Economic	Tourist and Recreational	Tabletop Hut	Oxley Wild Rivers NP	Central East	Unlikely	Moderate	Low	NA	
323	Cultural	Non Indigenous	Deep Gully Hut	Oxley Wild Rivers NP	South	Likely	Catastrophic	Extreme	1B	45
324	Economic	Infrastructure	Invergowrie Telephone Exchange	Invergowrie	Central West	Likely	Minor	Medium	4	
325	Human Settlement	Residential	Wollomombi	Wollomombi	Central East	Unlikely	Minor	Low	NA	
326	Human Settlement	Special Fire Protection	Ebor Public School	Ebor	North East	Possible	Major	High	3B	
327	Human Settlement	Special Fire Protection	Black Mountain Public School	Black Mountain	North West	Unlikely	Moderate	Low	NA	
328	Human Settlement	Special Fire Protection	Ben Lomond Public School	Ben Lomond	North West	Unlikely	Moderate	Low	NA	

Map Ref	Asset Type	Sub Type	Name	Location	Display Map	Likelihood	Consequence	Risk	Priority	Treatment Ref
329	Human Settlement	Special Fire Protection	Bundarra Central School	Bundarra	North West	Likely	Moderate	High	3A	
330	Human Settlement	Residential	Kentucky	Kentucky	Central West	Unlikely	Minor	Low	NA	
331	Human Settlement	Special Fire Protection	Kentucky Public School	Kentucky	Central West	Unlikely	Moderate	Low	NA	
332	Human Settlement	Other	Copeton Dam Camping Ground	Copeton Dam	North West	Almost certain	Catastrophic	Extreme	1A	34;35;36
333	Human Settlement	Residential	West Invergowrie Rural Residential Area	Invergowrie	Central West	Likely	Catastrophic	Extreme	1B	38
334	Cultural	Aboriginal Significance	Aboriginal Site	Guyra LGA	North West	Almost certain	Major	Extreme	1C	
335	Cultural	Aboriginal Significance	Aboriginal Site	Guyra LGA	North West	Likely	Moderate	High	3A	
336	Cultural	Aboriginal Significance	Aboriginal Site	Guyra LGA	North West	Almost certain	Moderate	Very High	2C	
337	Cultural	Aboriginal Significance	Aboriginal Site	Single NP	North West	Almost certain	Catastrophic	Extreme	1A	3
338	Cultural	Aboriginal Significance	Aboriginal Site	Guyra LGA	North West	Likely	Major	Very High	2A	
339	Cultural	Aboriginal Significance	Aboriginal Site	Guyra LGA	North West	Likely	Moderate	High	3A	
341	Cultural	Aboriginal Significance	Aboriginal Site	Guyra LGA	North East	Likely	Major	Very High	2A	

Map Ref	Asset Type	Sub Type	Name	Location	Display Map	Likelihood	Consequence	Risk	Priority	Treatment Ref
342	Cultural	Aboriginal Significance	Aboriginal Site	Guyra LGA	North East	Unlikely	Moderate	Low	NA	
343	Cultural	Aboriginal Significance	Aboriginal Site	Guyra LGA	North East	Unlikely	Major	Medium	4	
344	Cultural	Aboriginal Significance	Aboriginal Site	Little Llangothlin NR	North East	Unlikely	Major	Medium	4	
345	Cultural	Aboriginal Significance	Aboriginal Site	Little Llangothlin NR	North East	Unlikely	Major	Medium	4	
346	Cultural	Aboriginal Significance	Aboriginal Site	Guyra LGA	North East	Likely	Major	Very High	2A	
347	Cultural	Aboriginal Significance	Aboriginal Site	Guyra LGA	North East	Almost certain	Catastrophic	Extreme	1A	
348	Cultural	Aboriginal Significance	Aboriginal Site	Uralla LGA	Central West	Almost certain	Major	Extreme	1C	
349	Cultural	Aboriginal Significance	Aboriginal Site	Uralla LGA	Central West	Unlikely	Moderate	Low	NA	
350	Cultural	Aboriginal Significance	Aboriginal Site	Uralla LGA	Central West	Likely	Major	Very High	2A	
351	Cultural	Aboriginal Significance	Aboriginal Site	Walcha LGA	South	Unlikely	Major	Medium	4	
352	Cultural	Aboriginal Significance	Aboriginal Site	Nowendoc/Giro State Forest	South	Almost certain	Catastrophic	Extreme	1A	48
353	Cultural	Aboriginal Significance	Aboriginal Site	Walcha LGA	South	Unlikely	Moderate	Low	NA	
354	Cultural	Aboriginal Significance	Aboriginal Site	Oxley Wild Rivers NP	South	Possible	Catastrophic	Very High	2B	3
355	Cultural	Aboriginal Significance	Aboriginal Site	Oxley Wild Rivers NP	Central East	Almost certain	Catastrophic	Extreme	1A	3

Map Ref	Asset Type	Sub Type	Name	Location	Display Map	Likelihood	Consequence	Risk	Priority	Treatment Ref
356	Cultural	Aboriginal Significance	Aboriginal Site	Oxley Wild Rivers NP	Central East	Almost certain	Catastrophic	Extreme	1A	3
357	Cultural	Aboriginal Significance	Aboriginal Site	Oxley Wild Rivers NP	Central East	Almost certain	Moderate	Very High	2C	3
359	Cultural	Aboriginal Significance	Aboriginal Site	Armidale Dumaresq LGA	North West	Unlikely	Major	Medium	4	
360	Cultural	Aboriginal Significance	Aboriginal Site	Armidale Dumaresq LGA	North West	Likely	Moderate	High	3A	
361	Cultural	Aboriginal Significance	Aboriginal Site	Armidale Dumaresq LGA	North West	Likely	Moderate	High	3A	
362	Cultural	Aboriginal Significance	Aboriginal Site	Armidale Dumaresq LGA	Central West	Unlikely	Moderate	Low	NA	
364	Cultural	Aboriginal Significance	Aboriginal Site	Cathedral Rock NP	North East	Almost certain	Catastrophic	Extreme	1A	3
365	Cultural	Aboriginal Significance	Aboriginal Site	Cathedral Rock NP	North East	Almost certain	Catastrophic	Extreme	1A	3
366	Cultural	Aboriginal Significance	Aboriginal Site	Armidale Dumaresq LGA	Central East	Unlikely	Moderate	Low	NA	
367	Cultural	Aboriginal Significance	Aboriginal Site	Armidale Dumaresq LGA	Central East	Likely	Major	Very High	2A	
368	Cultural	Aboriginal Significance	Aboriginal Site	Oxley Wild Rivers NP	Central East	Likely	Catastrophic	Extreme	1B	3
369	Cultural	Aboriginal Significance	Aboriginal Site	Armidale Dumaresq LGA	Central East	Likely	Major	Very High	2A	
370	Cultural	Aboriginal Significance	Aboriginal Site	Armidale Dumaresq LGA	Central East	Likely	Catastrophic	Extreme	1B	
371	Cultural	Aboriginal Significance	Aboriginal Site	Armidale Dumaresq LGA	Central East	Likely	Moderate	High	3A	

Map Ref	Asset Type	Sub Type	Name	Location	Display Map	Likelihood	Consequence	Risk	Priority	Treatment Ref
372	Cultural	Aboriginal Significance	Aboriginal Site	Oxley Wild Rivers NP	Central East	Almost certain	Catastrophic	Extreme	1A	3
373	Cultural	Aboriginal Significance	Aboriginal Site	Oxley Wild Rivers NP	Central East	Almost certain	Major	Extreme	1C	3
374	Cultural	Aboriginal Significance	Aboriginal Site	Cunnawarra NP	Central East	Almost certain	Catastrophic	Extreme	1A	3
375	Cultural	Aboriginal Significance	Aboriginal Site	Armidale Dumaresq LGA	Central East	Almost certain	Catastrophic	Extreme	1A	
376	Cultural	Aboriginal Significance	Aboriginal Site	Armidale Dumaresq LGA	Central East	Almost certain	Major	Extreme	1C	
377	Cultural	Aboriginal Significance	Aboriginal Site	Guyra LGA	North West	Almost certain	Major	Extreme	1C	
378	Cultural	Aboriginal Significance	Aboriginal Site	Guyra LGA	North West	Likely	Moderate	High	3A	
379	Cultural	Aboriginal Significance	Aboriginal Site	Guyra LGA	North West	Likely	Moderate	High	3A	
380	Cultural	Aboriginal Significance	Aboriginal Site	Guyra LGA	North West	Almost certain	Major	Extreme	1C	
381	Cultural	Aboriginal Significance	Aboriginal Site	Guyra LGA	North West	Likely	Moderate	High	3A	
382	Cultural	Aboriginal Significance	Aboriginal Site	Guyra LGA	North West	Almost certain	Major	Extreme	1C	
383	Cultural	Aboriginal Significance	Aboriginal Site	Guyra LGA	North West	Likely	Major	Very High	2A	
384	Cultural	Aboriginal Significance	Aboriginal Site	Uralla LGA	North West	Almost certain	Major	Extreme	1C	
385	Cultural	Aboriginal Significance	Aboriginal Site	Uralla LGA	North West	Likely	Major	Very High	2A	

Map Ref	Asset Type	Sub Type	Name	Location	Display Map	Likelihood	Consequence	Risk	Priority	Treatment Ref
386	Cultural	Aboriginal Significance	Aboriginal Site	Armidale Dumaresq LGA	North West	Likely	Major	Very High	2A	
387	Cultural	Aboriginal Significance	Aboriginal Site	Guyra LGA	North East	Likely	Moderate	High	3A	
388	Cultural	Aboriginal Significance	Aboriginal Site	Guyra LGA	North East	Almost certain	Major	Extreme	1C	
389	Cultural	Aboriginal Significance	Aboriginal Site	Guyra LGA	North East	Likely	Moderate	High	3A	
391	Cultural	Aboriginal Significance	Aboriginal Site	Armidale Dumaresq LGA	North East	Likely	Moderate	High	3A	
393	Cultural	Aboriginal Significance	Aboriginal Site	Uralla LGA	Central West	Likely	Moderate	High	3A	
394	Cultural	Aboriginal Significance	Aboriginal Site	Uralla LGA	Central West	Likely	Moderate	High	3A	
395	Cultural	Aboriginal Significance	Aboriginal Site	Uralla LGA	Central West	Likely	Major	Very High	2A	
396	Cultural	Aboriginal Significance	Aboriginal Site	Uralla LGA	Central West	Likely	Moderate	High	3A	
397	Cultural	Aboriginal Significance	Aboriginal Site	Mount Yarrowyck NR	Central West	Almost certain	Major	Extreme	1C	3
398	Cultural	Aboriginal Significance	Aboriginal Site	Uralla LGA	Central West	Likely	Moderate	High	3A	
399	Cultural	Aboriginal Significance	Aboriginal Site	Armidale Dumaresq LGA	Central West	Unlikely	Moderate	Low	NA	
401	Cultural	Aboriginal Significance	Aboriginal Site	Armidale Dumaresq LGA	Central East	Likely	Moderate	High	3A	
402	Cultural	Aboriginal Significance	Aboriginal Site	Armidale Dumaresq LGA	Central East	Likely	Major	Very High	2A	

Map Ref	Asset Type	Sub Type	Name	Location	Display Map	Likelihood	Consequence	Risk	Priority	Treatment Ref
403	Cultural	Aboriginal Significance	Aboriginal Site	Styx River Native Forest	Central East	Almost certain	Major	Extreme	1C	48
404	Cultural	Aboriginal Significance	Aboriginal Site	Styx River Native Forest	Central East	Almost certain	Major	Extreme	1C	48
405	Cultural	Aboriginal Significance	Aboriginal Site	Carrair NP	Central East	Almost certain	Major	Extreme	1C	3
406	Cultural	Aboriginal Significance	Aboriginal Site	Oxley Wild Rivers NP	Central East	Likely	Major	Very High	2A	3
407	Cultural	Aboriginal Significance	Aboriginal Site	Armidale Dumaresq LGA	Central East	Possible	Major	High	3B	
408	Cultural	Aboriginal Significance	Aboriginal Site	New England NP	Central East	Almost certain	Major	Extreme	1C	3
409	Cultural	Aboriginal Significance	Aboriginal Site	New England NP	Central East	Almost certain	Major	Extreme	1C	3
410	Cultural	Aboriginal Significance	Aboriginal Site	Walcha LGA	South	Likely	Moderate	High	3A	
411	Cultural	Aboriginal Significance	Aboriginal Site	Walcha LGA	South	Likely	Moderate	High	3A	
412	Cultural	Aboriginal Significance	Aboriginal Site	Walcha LGA	South	Likely	Moderate	High	3A	
413	Cultural	Aboriginal Significance	Aboriginal Site	Walcha LGA	South	Likely	Moderate	High	3A	
414	Cultural	Aboriginal Significance	Aboriginal Site	Walcha LGA	South	Likely	Moderate	High	3A	
415	Cultural	Aboriginal Significance	Aboriginal Site	Walcha LGA	South	Unlikely	Moderate	Low	NA	
416	Cultural	Aboriginal Significance	Aboriginal Site	Werrikimbe NP	South	Almost certain	Major	Extreme	1C	3

Map Ref	Asset Type	Sub Type	Name	Location	Display Map	Likelihood	Consequence	Risk	Priority	Treatment Ref
417	Cultural	Aboriginal Significance	Aboriginal Site	Oxley Wild Rivers NP	South	Almost certain	Major	Extreme	1C	3
418	Environment	Endangered	Threatened Flora	Guyra LGA	North West	Almost certain	Major	Extreme	1C	
419	Environment	Vulnerable	Threatened Flora	Indwarra NP	North West	Almost certain	Major	Extreme	1C	3
420	Environment	Endangered	Threatened Fauna	Little Llangothlin NR	North East	Unlikely	Major	Medium	4	
421	Environment	Endangered	Threatened Flora	Guy Fawkes River NP	North East	Almost certain	Catastrophic	Extreme	1A	3
422	Environment	Vulnerable	Threatened Flora	Cathedral Rock NP	North East	Almost certain	Major	Extreme	1C	3
423	Environment	Endangered	Threatened Flora	Cathedral Rock NP	North East	Almost certain	Catastrophic	Extreme	1A	3
424	Environment	Endangered	Threatened Fauna	Armidale Dumaresq LGA	North East	Unlikely	Major	Medium	4	
425	Environment	Endangered	Threatened Flora	Armidale Dumaresq LGA	North East	Likely	Catastrophic	Extreme	1B	
426	Environment	Endangered	Threatened Flora	Uralla LGA	Central West	Likely	Major	Very High	2A	
427	Environment	Endangered	Threatened Flora	Armidale Dumaresq LGA	Central West	Unlikely	Major	Medium	4	
428	Environment	Endangered	Threatened Flora	Oxley Wild Rivers NP	Central East	Almost certain	Catastrophic	Extreme	1A	3
429	Environment	Endangered	Threatened Flora	Armidale Dumaresq LGA	Central East	Almost certain	Catastrophic	Extreme	1A	
430	Environment	Endangered	Threatened Flora	Oxley Wild Rivers NP	Central East	Possible	Major	High	3B	

Map Ref	Asset Type	Sub Type	Name	Location	Display Map	Likelihood	Consequence	Risk	Priority	Treatment Ref
431	Environment	Endangered	Threatened Flora	Oxley Wild Rivers NP	Central East	Almost certain	Major	Extreme	1C	3
432	Environment	Endangered	Threatened Fauna	Styx River Native Forest	Central East	Possible	Major	High	3B	
433	Environment	Endangered	Threatened Fauna	Armidale LGA	Central East	Possible	Major	High	3B	
434	Environment	Endangered	Threatened Fauna	Cunnawarra NP	Central East	Possible	Major	High	3B	
435	Environment	Endangered	Threatened Fauna	Serpentine NR	Central East	Possible	Major	High	3B	
436	Environment	Endangered	Threatened Fauna	Armidale Dumaresq LGA	Central East	Possible	Major	High	3B	
437	Environment	Endangered	Threatened Fauna	New England NP	Central East	Possible	Major	High	3B	
438	Environment	Endangered	Threatened Flora	New England NP	Central East	Almost certain	Major	Extreme	1C	3
439	Environment	Vulnerable	Threatened Flora	Oxley Wild Rivers NP	Central East	Almost certain	Major	Extreme	1C	3
440	Environment	Endangered	Threatened Flora	Oxley Wild Rivers NP	Central East;South	Almost certain	Major	Extreme	1C	3
441	Environment	Endangered	Threatened Flora	Oxley Wild Rivers NP	Central East	Possible	Major	High	3B	
442	Environment	Endangered	Threatened Flora	Walcha LGA	Central East	Possible	Major	High	3B	
443	Environment	Endangered	Threatened Fauna	Oxley Wild Rivers NP	Central East;South	Possible	Major	High	3B	
444	Environment	Vulnerable	Threatened Flora	Oxley Wild Rivers NP	Central East	Possible	Major	High	3B	

Map Ref	Asset Type	Sub Type	Name	Location	Display Map	Likelihood	Consequence	Risk	Priority	Treatment Ref
445	Environment	Vulnerable	Threatened Flora	Tuggolo Creek NR	South	Almost certain	Major	Extreme	1C	3
446	Environment	Vulnerable	Threatened Flora	Tuggolo Creek NR	South	Almost certain	Major	Extreme	1C	3
447	Environment	Vulnerable	Threatened Flora	Tuggolo SF	South	Almost certain	Major	Extreme	1C	48
448	Environment	Endangered	Threatened Flora	Walcha LGA	South	Possible	Catastrophic	Very High	2B	
449	Environment	Vulnerable	Threatened Flora	Nowendoc/Giro SF	South	Almost certain	Major	Extreme	1C	48
450	Environment	Endangered	Threatened Fauna	Nowendoc/Giro SF	South	Possible	Major	High	3B	
451	Environment	Endangered	Threatened Population	Walcha LGA	South	Possible	Major	High	3B	
452	Environment	Endangered	Threatened Fauna	Mummel Gulf NP	South	Possible	Major	High	3B	
453	Environment	Vulnerable	Threatened Flora	Mummel Gulf NP	South	Almost certain	Major	Extreme	1C	3
454	Environment	Vulnerable	Threatened Flora	Mummel Gulf NP	South	Almost certain	Major	Extreme	1C	3
455	Environment	Vulnerable	Threatened Flora	Enfield SF	South	Almost certain	Major	Extreme	1C	48
456	Environment	Endangered	Threatened Population	Enfield SF	South	Possible	Major	High	3B	
457	Environment	Vulnerable	Threatened Flora	Mummel Gulf SCA	South	Almost certain	Major	Extreme	1C	3
458	Environment	Endangered	Threatened Fauna	Enfield SF	South	Possible	Major	High	3B	

Map Ref	Asset Type	Sub Type	Name	Location	Display Map	Likelihood	Consequence	Risk	Priority	Treatment Ref
459	Environment	Endangered	Threatened Fauna	Cottan-Bimbang NP	South	Possible	Major	High	3B	
460	Environment	Endangered	Threatened Fauna	Enfield SF	South	Almost certain	Major	Extreme	1C	48
461	Environment	Endangered	Threatened Fauna	Walcha LGA	South	Almost certain	Major	Extreme	1C	
462	Environment	Vulnerable	Threatened Flora	Cottan-Bimbang NP	South	Almost certain	Major	Extreme	1C	3
463	Environment	Vulnerable	Threatened Flora	Cottan-Bimbang NP	South	Almost certain	Major	Extreme	1C	3
464	Environment	Endangered	Threatened Flora	Werrikimbe NP	South	Almost certain	Catastrophic	Extreme	1A	3
465	Environment	Vulnerable	Threatened Flora	Werrikimbe NP	South	Almost certain	Major	Extreme	1C	3
466	Environment	Endangered	Threatened Flora	Werrikimbe NP	South	Almost certain	Major	Extreme	1C	3
467	Environment	Endangered	Threatened Fauna	Werrikimbe NP	South	Possible	Major	High	3B	
468	Environment	Endangered	Threatened Flora	Oxley Wild Rivers NP	South	Almost certain	Catastrophic	Extreme	1A	3
469	Environment	Endangered	Threatened Flora	Oxley Wild Rivers NP	South	Almost certain	Major	Extreme	1C	3
473	Economic	Tourist and Recreational	Cobcrofts	Werrikimbe NP	South	Likely	Moderate	High	3A	
474	Environment	Vulnerable	Threatened Flora	Guyra LGA	North West	Almost certain	Moderate	Very High	2C	
475	Environment	Endangered	Threatened Flora	Guyra LGA	North West	Almost certain	Moderate	Very High	2C	

Map Ref	Asset Type	Sub Type	Name	Location	Display Map	Likelihood	Consequence	Risk	Priority	Treatment Ref
476	Environment	Vulnerable	Threatened Flora	Guyra LGA	North West	Almost certain	Moderate	Very High	2C	
477	Environment	Vulnerable	Threatened Flora	Guyra LGA	North West	Almost certain	Moderate	Very High	2C	
478	Environment	Vulnerable	Threatened Flora	Guyra LGA	North West	Almost certain	Minor	High	3D	
479	Environment	Vulnerable	Threatened Flora	Single NP	North West	Almost certain	Moderate	Very High	2C	3
480	Environment	Vulnerable	Threatened Flora	Guyra LGA	North West	Almost certain	Minor	High	3D	
481	Environment	Vulnerable	Threatened Flora	Guyra LGA	North East	Almost certain	Moderate	Very High	2C	
482	Environment	Vulnerable	Threatened Flora	Guyra LGA	North East	Almost certain	Minor	High	3D	
483	Environment	Endangered	Threatened Flora	Guyra LGA	North East	Almost certain	Moderate	Very High	2C	
484	Environment	Vulnerable	Threatened Flora	Guy Fawkes River NP	North East	Almost certain	Minor	High	3D	
485	Environment	Endangered	Threatened Flora	Guy Fawkes River NP	North East	Almost certain	Moderate	Very High	2C	3
486	Environment	Endangered	Threatened Flora	Guy Fawkes River NP	North East	Almost certain	Moderate	Very High	2C	3
487	Environment	Vulnerable	Threatened Flora	Guyra LGA	North East	Almost certain	Moderate	Very High	2C	
488	Environment	Vulnerable	Threatened Flora	Cathedral Rock NP	North East	Almost certain	Moderate	Very High	2C	3
489	Environment	Vulnerable	Threatened Flora	Guy Fawkes River NP	North East	Almost certain	Moderate	Very High	2C	3

Map Ref	Asset Type	Sub Type	Name	Location	Display Map	Likelihood	Consequence	Risk	Priority	Treatment Ref
490	Environment	Endangered	Threatened Flora	Uralla LGA	North West	Almost certain	Moderate	Very High	2C	
491	Environment	Vulnerable	Threatened Flora	Armidale Dumaresq LGA	North West	Almost certain	Moderate	Very High	2C	
492	Environment	Endangered	Threatened Flora	Armidale Dumaresq LGA	North West	Almost certain	Moderate	Very High	2C	
493	Environment	Vulnerable	Threatened Flora	Boorolong NR	North West	Almost certain	Minor	High	3D	
494	Environment	Vulnerable	Threatened Flora	Armidale Dumaresq LGA	North West	Almost certain	Minor	High	3D	
495	Environment	Vulnerable	Threatened Flora	Armidale Dumaresq LGA	North East;North West	Almost certain	Minor	High	3D	
496	Environment	Endangered	Threatened Flora	Armidale Dumaresq LGA	Central East	Almost certain	Moderate	Very High	2C	
497	Environment	Vulnerable	Threatened Flora	Oxley Wild Rivers NP	Central East	Almost certain	Moderate	Very High	2C	3
498	Environment	Vulnerable	Threatened Flora	Oxley Wild Rivers NP	Central East	Almost certain	Moderate	Very High	2C	3
499	Environment	Vulnerable	Threatened Flora	Armidale Dumaresq LGA	Central East	Almost certain	Moderate	Very High	2C	
500	Environment	Vulnerable	Threatened Flora	Armidale Dumaresq LGA	Central East	Almost certain	Minor	High	3D	
501	Environment	Vulnerable	Threatened Flora	Armidale Dumaresq LGA	Central East	Almost certain	Moderate	Very High	2C	
502	Environment	Vulnerable	Threatened Flora	Styx River Native Forest	Central East	Almost certain	Moderate	Very High	2C	48
503	Environment	Vulnerable	Threatened Flora	Styx River Native Forest	Central East	Almost certain	Moderate	Very High	2C	48

<b>Map Ref</b>	<b>Asset Type</b>	<b>Sub Type</b>	<b>Name</b>	<b>Location</b>	<b>Display Map</b>	<b>Likelihood</b>	<b>Consequence</b>	<b>Risk</b>	<b>Priority</b>	<b>Treatment Ref</b>
504	Environment	Vulnerable	Threatened Flora	New England NP	Central East	Almost certain	Moderate	Very High	2C	3
505	Environment	Endangered	Threatened Flora	Cunnawarra NP	Central East	Almost certain	Moderate	Very High	2C	3
506	Environment	Vulnerable	Threatened Flora	Armidale Dumaresq LGA	Central East	Almost certain	Moderate	Very High	2C	
507	Environment	Endangered	Threatened Flora	Oxley Wild Rivers NP	Central East	Almost certain	Moderate	Very High	2C	3
508	Environment	Endangered	Threatened Flora	Carrai NP	Central East	Almost certain	Moderate	Very High	2C	3
509	Environment	Endangered	Threatened Flora	Armidale Dumaresq LGA	Central East	Almost certain	Moderate	Very High	2C	
510	Environment	Endangered	Threatened Flora	Carrai SCA	Central East	Almost certain	Moderate	Very High	2C	3
511	Environment	Vulnerable	Threatened Flora	Walcha LGA	Central East	Almost certain	Moderate	Very High	2C	
512	Environment	Endangered	Threatened Flora	Oxley Wild Rivers NP	Central East	Almost certain	Moderate	Very High	2C	3
513	Environment	Vulnerable	Threatened Flora	Oxley Wild Rivers NP	Central East	Almost certain	Moderate	Very High	2C	3
514	Environment	Vulnerable	Threatened Flora	Walcha LGA	South	Almost certain	Minor	High	3D	
515	Environment	Endangered	Threatened Flora	Tuggolo Creek NR	South	Almost certain	Moderate	Very High	2C	3
516	Environment	Endangered	Threatened Flora	Tuggolo SF	South	Almost certain	Minor	High	3D	
517	Environment	Vulnerable	Threatened Flora	Nowendoc/Giro SF	South	Almost certain	Moderate	Very High	2C	48

<b>Map Ref</b>	<b>Asset Type</b>	<b>Sub Type</b>	<b>Name</b>	<b>Location</b>	<b>Display Map</b>	<b>Likelihood</b>	<b>Consequence</b>	<b>Risk</b>	<b>Priority</b>	<b>Treatment Ref</b>
518	Environment	Vulnerable	Threatened Flora	Tuggolo SF	South	Almost certain	Moderate	Very High	2C	48
519	Environment	Vulnerable	Threatened Flora	Tuggolo SF	South	Almost certain	Minor	High	3D	
520	Environment	Vulnerable	Threatened Flora	Nowendoc NP	South	Almost certain	Minor	High	3D	
521	Environment	Vulnerable	Threatened Flora	Ngulin NR	South	Almost certain	Minor	High	3D	
522	Environment	Vulnerable	Threatened Flora	Enfield SF	South	Almost certain	Moderate	Very High	2C	48
523	Environment	Vulnerable	Threatened Flora	Oxley Wild Rivers NP	South	Almost certain	Minor	High	3D	
524	Environment	Vulnerable	Threatened Flora	Oxley Wild Rivers NP	South	Almost certain	Moderate	Very High	2C	3
525	Environment	Vulnerable	Threatened Flora	Werrikimbe NP	South	Almost certain	Moderate	Very High	2C	3
526	Environment	Vulnerable	Threatened Flora	Werrikimbe NP	South	Almost certain	Minor	High	3D	
527	Environment	Vulnerable	Threatened Flora	Werrikimbe NP	South	Possible	Moderate	Medium	4	

## Appendix 3: Treatment Register

Treatment Ref	Strategy	Action	Comment	Responsible Agency	Other Responsible Agency	Support Agency	Scheduled Action Date
1	Hazard Reduction	Maintain Fuels in accordance with Guidelines	Maintain bush fire fuels at or below the level that meets the Essential Selection Criteria specified in the Neighbourhood Safer Places Guidelines prepared by the RFS.	LGA		RFS	1415;1516;1617;1718;1819;1920
2	Hazard Reduction	Maintain Fuels in accordance with Guidelines	Maintain bush fire fuels at or below the level that meets the Essential Selection Criteria specified in the Neighbourhood Safer Places Guidelines prepared by the RFS.	LGA; Other	Dept Education	RFS	1415;1516;1617;1718;1819;1920
3	Other	Implement Reserve Fire Management Strategy	Monitor fuel loads & implement hazard reductions in SFAZs as required	OEH			1415;1516;1617;1718;1819;1920
4	Community Education	Deliver Resource Folders	Door knock in area & deliver information ie Bush Fire Survival Plan, individual engagement & property inspections as required.	RFS			1516
5	Preparedness	Inspect & Maintain Fire Trails	Inspect fire trails & maintain as per Fire Trail Register.	RFS			1415;1516;1617;1718;1819;1920
6	Preparedness	Undertake Pre-incident Planning	Complete a pre-incident plan & brigade familiarisation.	RFS			1415
7	Hazard Reduction	Inspect & Maintain APZ	Maintain APZ in accordance with relevant NPWS management plan.	OEH			1415;1516;1617;1718;1819;1920

Treatment Ref	Strategy	Action	Comment	Responsible Agency	Other Responsible Agency	Support Agency	Scheduled Action Date
9	Hazard Reduction	Inspect & Maintain SFAZ	Maintain SFAZ in accordance with relevant management plan.	OEH; Other	Federal Department of Transport		1415;1516;1617;1718;1819;1920
10	Property Planning	Activate Emergency Evacuation Plan	Activate Emergency Evacuation Plan as required.	OEH			1415;1516;1617;1718;1819;1920
12	Preparedness	Inspect & Maintain Fire Trails	Inspect fire trails & maintain as per Fire Trail Register - includes Cochrane & Carrai Fire Trail networks.	OEH			1415;1516;1617;1718;1819;1920
13	Hazard Reduction	Implement Grazing Program as per Tingha CPP	Maintain APZ by continuous grazing as per Tingha Community Protection Plan. Note: due to review of Commons Act, if tenure changes then CPP will need to be reviewed.	TI CL; Other	Tingha Common Trust		1415;1516;1617;1718;1819;1920
14	Hazard Reduction	Inspect & Maintain APZ		Private		OEH;RFS	1415;1516;1617;1718;1819;1920
15	Hazard Reduction	Conduct Prescribed Burning as Required	Conduct prescribed burning in accordance with relevant management plan.	FCNSW			1415;1516;1617;1718;1819;1920
16	Ignition Management	Implement Control of Plant Operations		FCNSW			1415;1516;1617;1718;1819;1920
17	Preparedness	Inspect and Maintain Fire Trails	Inspect fire trails & maintain as per Fire Trail register, including Grundy Fire Tower Access Trail.	FCNSW			1415;1516;1617;1718;1819;1920

<b>Treatment Ref</b>	<b>Strategy</b>	<b>Action</b>	<b>Comment</b>	<b>Responsible Agency</b>	<b>Other Responsible Agency</b>	<b>Support Agency</b>	<b>Scheduled Action Date</b>
18	Preparedness	Conduct Fire Detection Activities		FCNSW			1415;1516;1617;1718;1819;1920
19	Hazard Reduction	Implement Third Party Grazing Permits	Permit grazing in accordance with relevant management plan.	FCNSW			1415;1516;1617;1718;1819;1920
20	Preparedness	Inspect and Maintain Fire Trails	Inspect & maintain fire trails as per Fire Trail Register.	OEH			1415;1516;1617;1718;1819;1920
21	Preparedness	Undertake Pre-incident Planning	Complete a pre-incident plan and brigade familiarisation.	RFS			1516
22	Community Education	Conduct School Visit		RFS			1617
23	Community Education	Facilitate Bush Fire Survival Plans	Facilitate the completion of Bush Fire Survival Plans utilising the CPP Bush Fire Survival Map, and provide further information to meet needs.	RFS			1415;1718
24	Hazard Reduction	Conduct HR Burning in SFAZ as per Tingha CPP	Rotational burning of SFAZs to maintain fuel loads below High as described in the Overall Fuel Hazard Guide.	RFS		Private	1415;1516;1617;1718;1819;1920
25	Hazard Reduction	Create & Maintain APZ	Create APZ around landfill site, and maintain as required.	LGA		RFS	1415;1516;1617;1718;1819;1920

Treatment Ref	Strategy	Action	Comment	Responsible Agency	Other Responsible Agency	Support Agency	Scheduled Action Date
27	Property Planning	Develop and Implement Community Protection Plan		RFS			1617;1718;1819;1920
28	Preparedness	Undertake Trail Maintenance	Undertake trail maintenance as per Fire Trail Register and existing fencing agreements.	OEH; Private			1415;1516;1617;1718;1819;1920
29	Hazard Reduction	Maintain APZ	Conduct slashing/trittering works to maintain APZ on Skate Park Reserve. Note: due to review of Commons Act, if tenure changes then CPP will need to be reviewed.	LGA		RFS	1415;1516;1617;1718;1819;1920
30	Preparedness	Inspect & Maintain Fire Trail	Inspect fire trails & maintain as per Fire Trail Register, including Rocklea Road Fire Trail.	RFS			1415;1516;1617;1718;1819;1920
32	Community Education	Facilitate Bush Fire Survival Plans	Facilitate the completion of Bush Fire Survival Plans and provide further information to meet identified needs.	RFS			1617
33	Property Planning	Implement Community Protection Plan	A Community Protection Plan has been developed, it is to be implemented & reviewed at least every 5 years. Note: due to review of Commons Act, if tenure changes then CPP will need to be reviewed.	RFS			1415;1516;1617;1718;1819;1920
34	Preparedness	Inspect & Maintain Fire Trails	Inspect fire trails and maintain as per Fire Trail Register, including Copeton/Wildflower FT and	RFS			1415;1516;1617;1718;1819;1920

Treatment Ref	Strategy	Action	Comment	Responsible Agency	Other Responsible Agency	Support Agency	Scheduled Action Date
			Howell/Kalang FT.				
35	Community Education	Install Interpretive Signage	Install interpretive signage to provide campers with information about actions and safety in the event of a fire.	LGA		RFS	1516
36	Property Planning	Develop and Implement Fire Relocation Plan	Develop a fire relocation plan to include trigger points for relocation, patrols on TOBAN days, safety refuges, and notification of Severe, Extreme & Catastrophic fire danger days.	LGA		RFS	1516;1617;1718;1819;1920
37	Preparedness	Inspect and Maintain Fire Trails	Inspect fire trails and maintain as per Fire Trail Register, including Hillgrove Fire Trail.	TI CL			1415;1516;1617;1718;1819;1920
38	Community Education	Deliver Resource Folder	Door knock in area & deliver information ie Bush Fire Survival Plan, individual engagement & property inspections as required.	RFS			1617
39	Community Education	Deliver Resource Folders	Door knock in area & deliver information ie Bush Fire Survival Plan, individual engagement & property inspections as required.	RFS			1718
40	Community Education	Deliver Resource Folders	Door knock in area & deliver information ie Bush Fire Survival Plan, individual engagement & property inspections as required.	RFS			1415

<b>Treatment Ref</b>	<b>Strategy</b>	<b>Action</b>	<b>Comment</b>	<b>Responsible Agency</b>	<b>Other Responsible Agency</b>	<b>Support Agency</b>	<b>Scheduled Action Date</b>
41	Community Education	Facilitate Bush Fire Survival Plans	Facilitate the completion of Bush Fire Survival Plans utilising the CPP Bush Fire Survival Map, and provide further information to meet needs.	RFS			1516;1819
42	Preparedness	Undertake Pre-incident Planning	Complete a pre-incident plan & brigade familiarisation.	RFS			1617
43	Preparedness	Undertake Pre-incident Planning	Complete a pre-incident plan & brigade familiarisation.	RFS			1718
44	Preparedness	Undertake Pre-incident Planning	Complete a pre-incident plan & brigade familiarisation.	RFS			1819
45	Other	Implement Reserve Fire Management Strategy	Maintain APZ in accordance with Reserve Fire Management Strategy.	OEH			1415;1516;1617;1718;1819;1920
46	Other	Implement Reserve Fire Management Strategy	Maintain in accordance with Reserve Fire Management Strategy.	OEH			1415;1516;1617;1718;1819;1920
47	Community Education	Conduct School Visit		RFS			1718
48	Other	Manage in accordance with Operational Guidelines		FCNSW			1415;1516;1617;1718;1819;1920

<b>Treatment Ref</b>	<b>Strategy</b>	<b>Action</b>	<b>Comment</b>	<b>Responsible Agency</b>	<b>Other Responsible Agency</b>	<b>Support Agency</b>	<b>Scheduled Action Date</b>
49	Hazard Reduction	Inspect & Maintain SFAZ	Maintain SFAZ to maintain fuel loads below High as described in the Overall Fuel Hazard Guide.	OEH, Private		RFS	1415;1516;1617;1718;1819;1920

## Appendix 4: Maps

# New England BFMC Bush Fire Risk Management Plan 2014

North West - Map Display Area

Map 1 of 5

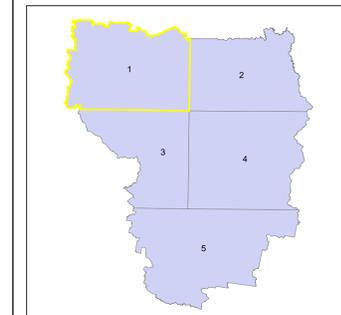
DRAFT

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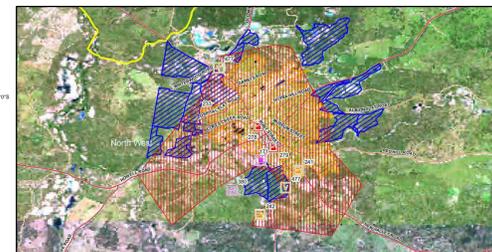
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Map Ref	Asset name	Asset type	Subtype	Risk level	Priority	Treatment
332	Copeton Dam Camping Ground	Human	Other	Extreme	1A	T34;35;36
337	Aboriginal Site	Cultural	Aboriginal	Extreme	1A	T3
231	Mount Topper Plantation	Economic	Commercial	Extreme	1C	(1)
233	Tingha	Human	Residential	Extreme	1C	(2)
419	Threatened Flora	Environment	Vulnerable	Extreme	1C	T3
37	Tingha Communications Towers	Economic	Infrastructure	Very High	2A	T3;14
74	Kirby Rural Research Station	Human	Special Fire	Very High	2A	T44
241	Tingha Council Depot	Economic	Commercial	Very High	2C	T13
242	Tingha Landfill	Economic	Commercial	Very High	2C	T25
479	Threatened Flora	Environment	Vulnerable	Very High	2C	T3
278	NSP - Grahame Park	Human	Other	High	3B	T1
279	NSP - Tingha Primary School &	Human	Other	High	3B	T2
280	NSP - Bundarra Showground	Human	Other	Low	NA	T1
281	NSP - Guyra Showgrounds	Human	Other	Low	NA	T1

(1):T15;16;17;18;19

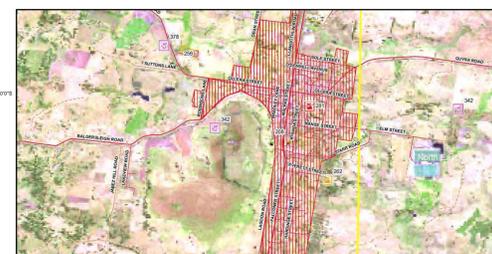
(2):T13;29;24;33;41



Inset map 1. Tingha



Inset map 2. Bundarra



Inset map 3. Guyra

**Review**  
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**Assets**  
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- reviewing the bush fire prone land map;
- ensuring developments in the bush fire prone land comply with Planning for Bush Fire Protection;
- using the Local Environment Plan's (LEPs) to control development in areas with a bush fire risk;
- varying the standard bush fire danger period as required;
- requiring permits during bush fire danger periods;
- prosecution of arsonists/offenders;
- investigation of bush fire cause;
- normal fire suppression activities;
- assessing and managing compliance with strategic fire-fighting resource allocation management systems;
- preparation of a S&S Operations Coordination Plan;

Note on LMZ: All areas not specifically mapped as an APZ, SFAZ or FEZ are considered as LMZ for this risk management plan. For areas identified by an LMZ polygon on the map, please refer to the BFRMP document for the specific land management objectives.

Zone	Purpose	Suppression	Zone
<b>Asset Protection Zone</b>	To protect human life, property and highly valued public assets and values.	To enable the safe use of <b>Direct Attack</b> suppression strategies within the zone. To minimise bush fire impacts on undefended assets.	As per RFS document Standards for Asset Protection Zones.
<b>Strategic Fire Advantage Zone</b>	To provide strategic areas of fire protection advantage which will reduce the speed and intensity of bush fires, and reduce the potential for spot fire development. To aid containment of wildfires to existing management boundaries.	To improve the likelihood and safe use of <b>Parallel Attack</b> suppression strategies within the zone, and/or <b>Indirect Attack</b> (back burning) in high to very high fire weather conditions within the zone. To reduce the likelihood of: Crown fire development within the zone, and/or Spot fire ignition potential from the zone.	Zone width related to suppression objectives and dependant upon: - Topography - Aspect - Spotting propensity for spot fire development. - Location of adjacent fire breaks - Mosaic pattern of treatment Assess Overall Fuel Hazard (OFH) once vegetation communities reach minimum fire thresholds within this plan. Management practices should aim to achieve mosaic fuel reduction patterns so that the majority of the SFAZ has an OFH of less than high.
<b>Land Management Zone</b>	To meet relevant land management objectives in areas where APZs or SFAZs are not appropriate.	As per the land management and fire protection objectives of the responsible land management agency. To reduce the likelihood of spread of fires. To undertake mosaic burning.	As appropriate to achieve land management, e.g. heritage and/or fire protection e.g. broad scale mosaic burning objectives.
<b>Fire Exclusion Zone</b>	To exclude bush fires.	N/A	Variable dependant on size of fire sensitive area requiring protection.

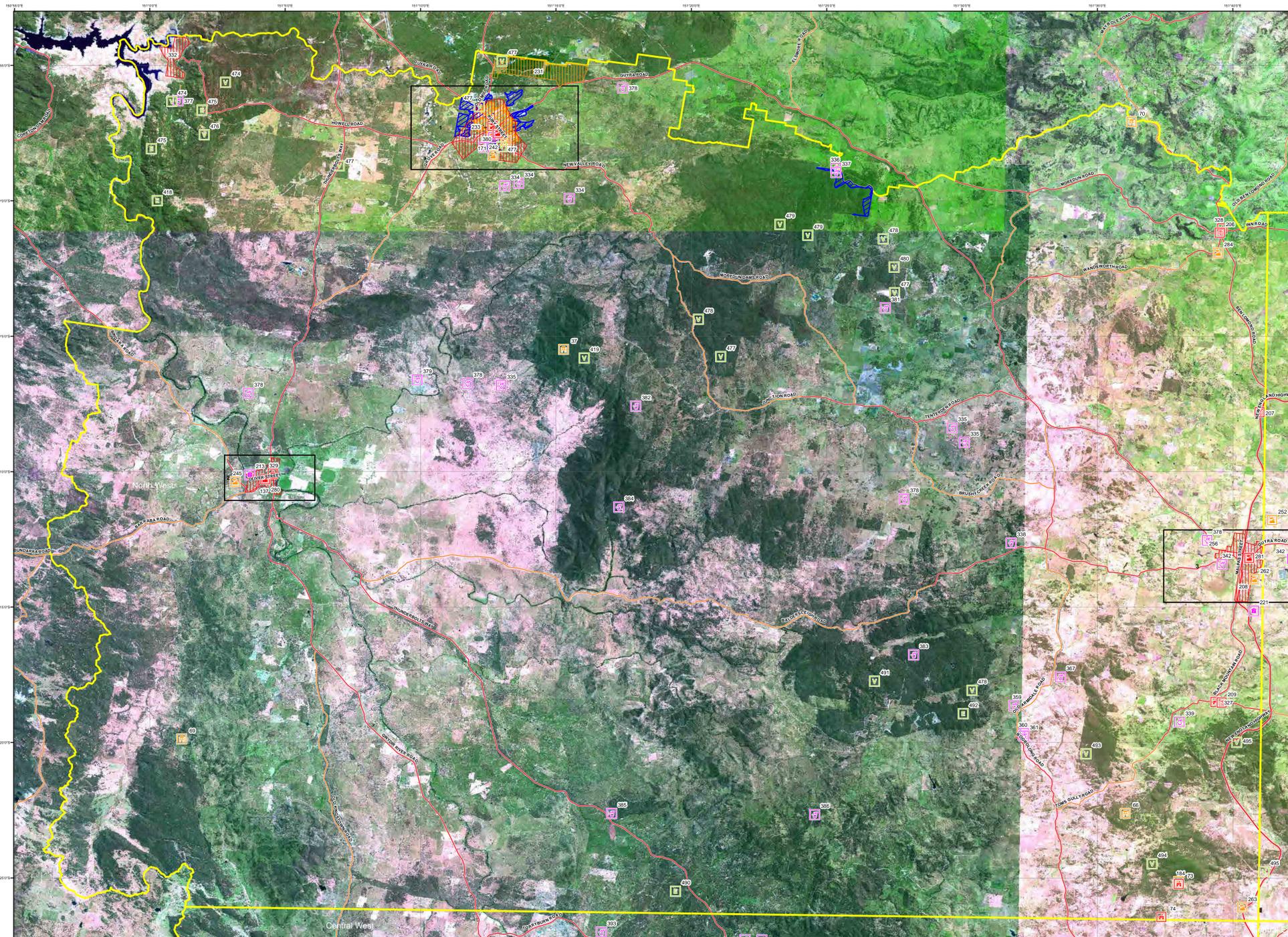
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Date created: Wednesday, 8 October 2014

BFR version 2.1.23.0



ID	Treatment strategy	Action	Agencies (Support)
T3	Other	Implement Reserve Fire Management Strategy	OEH
T34	Preparedness	Inspect & Maintain Fire Trails	RFS
T35	Community Education	Install Interpretive Signage	LGA (RFS)
T36	Property Planning	Develop and Implement Fire Relocation Plan	LGA (RFS)
T33	Property Planning	Implement Community Protection Plan	RFS
T13	Hazard Reduction	Implement Grazing Program as per Tingha CPP	T1, CL, Tingha Common Trust
T15	Hazard Reduction	Conduct Prescribed Burning as Required	FCNSW
T16	Ignition Management	Implement Control of Plant Operations	FCNSW
T17	Preparedness	Inspect and Maintain Fire Trails	FCNSW
T18	Preparedness	Conduct Fire Detection Activities	FCNSW
T19	Hazard Reduction	Implement Third Party Grazing Permits	FCNSW
T24	Hazard Reduction	Conduct HR Burning in SFAZ as per Tingha	RFS (Private)
T29	Hazard Reduction	Maintain APZ	LGA (RFS)
T41	Community Education	Facilitate Bush Fire Survival Plans	RFS
T14	Hazard Reduction	Inspect & Maintain APZ	Private (OEH, RFS)
T44	Preparedness	Undertake Pre-incident Planning	RFS
T25	Hazard Reduction	Create & Maintain APZ	LGA (RFS)
T1	Hazard Reduction	Maintain Fuels in accordance with Guidelines	LGA (RFS)
T2	Hazard Reduction	Maintain Fuels in accordance with Guidelines	LGA, Dept Education (RFS)

\*Note - Some base data layers may not be displayed on map

# New England BFMC Bush Fire Risk Management Plan 2014

North East - Map Display Area

Map 2 of 5

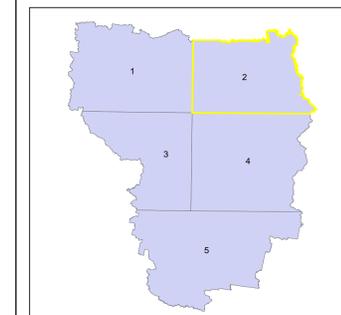
DRAFT

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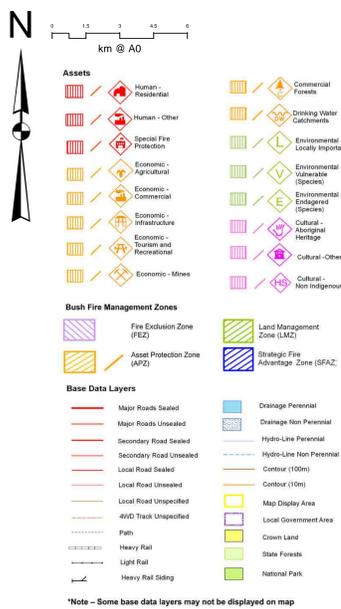
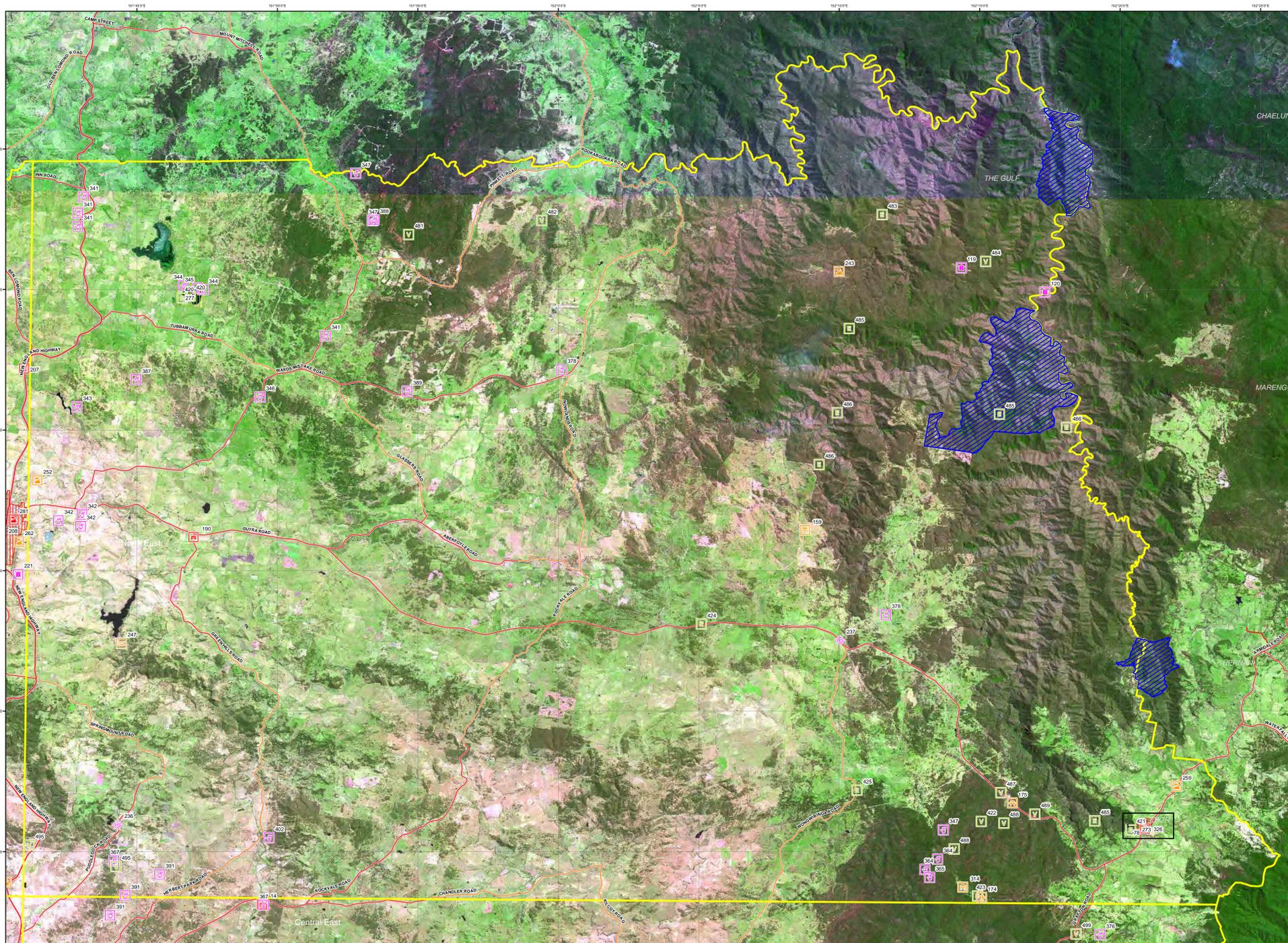
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Map Ref	Asset name	Asset type	Subtype	Risk level	Priority	Treatment
314	Round Mountain Radar Facility	Economic	Infrastructure	Extreme	1A	T3,9
364	Aboriginal Site	Cultural	Aboriginal	Extreme	1A	T3
365	Aboriginal Site	Cultural	Aboriginal	Extreme	1A	T3
421	Threatened Flora	Environment	Endangered	Extreme	1A	T3
423	Threatened Flora	Environment	Endangered	Extreme	1A	T3
422	Threatened Flora	Environment	Vulnerable	Extreme	1C	T3
NA	Dog Fence Dorrigo	Economic	Agricultural	Very High	2C	T28
119	Boban Hut	Cultural	Non	Very High	2C	T3,12
120	Combalo Hut	Cultural	Non	Very High	2C	T3,12
243	Talagandra Depot	Economic	Commercial	Very High	2C	T20,3
485	Threatened Flora	Environment	Endangered	Very High	2C	T3
486	Threatened Flora	Environment	Endangered	Very High	2C	T3
488	Threatened Flora	Environment	Vulnerable	Very High	2C	T3
489	Threatened Flora	Environment	Vulnerable	Very High	2C	T3



Inset map 1. Ebor



ID	Treatment strategy	Action	Agencies (Support)
T3	Other	Implement Reserve Fire Management Strategy	OEH
T9	Hazard Reduction	Inspect & Maintain SFAZ	OEH, Federal Department of
T12	Preparedness	Inspect & Maintain Fire Trails	OEH
T20	Preparedness	Inspect and Maintain Fire Trails	OEH
T28	Preparedness	Undertake Trail Maintenance	OEH, Private

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  - using the Local Environment Plan's (LEPs) to control development in areas with a bush fire risk;
  - varying the standard bush fire danger period as required;
  - requiring permits during bush fire danger periods;
  - prosecution of arsonists/offenders;
  - investigation of bush fire cause;
  - normal fire suppression activities;
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Authorized by \_\_\_\_\_ of New England BFMC.  
Date created: Wednesday, 8 October 2014

# New England BFMC Bush Fire Risk Management Plan 2014

Central West - Map Display Area

Map 3 of 5

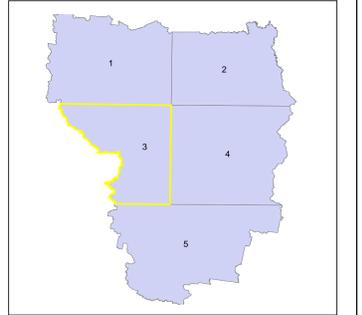
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Map Ref	Asset name	Asset type	Subtype	Risk level	Priority	Treatment
12	Invergowrie	Human	Residential	Extreme	1B	(1)
333	West Invergowrie Rural Residential Area	Human	Residential	Extreme	1B	T36
397	Aboriginal Site	Cultural	Aboriginal	Extreme	1C	T3
75	Laureldale Rural Research Station	Human	Special Fire	Very High	2A	T44
240	CSIRO Research Station	Economic	Commercial	Very High	2A	T32
133	Rocky River	Human	Residential	Very High	2C	T39
234	West Uralla Rural Residential Area	Human	Residential	Very High	2C	T40

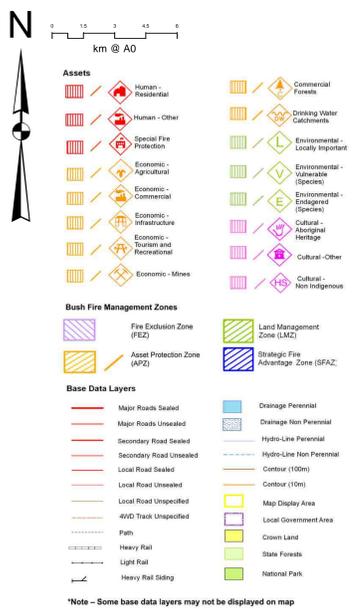
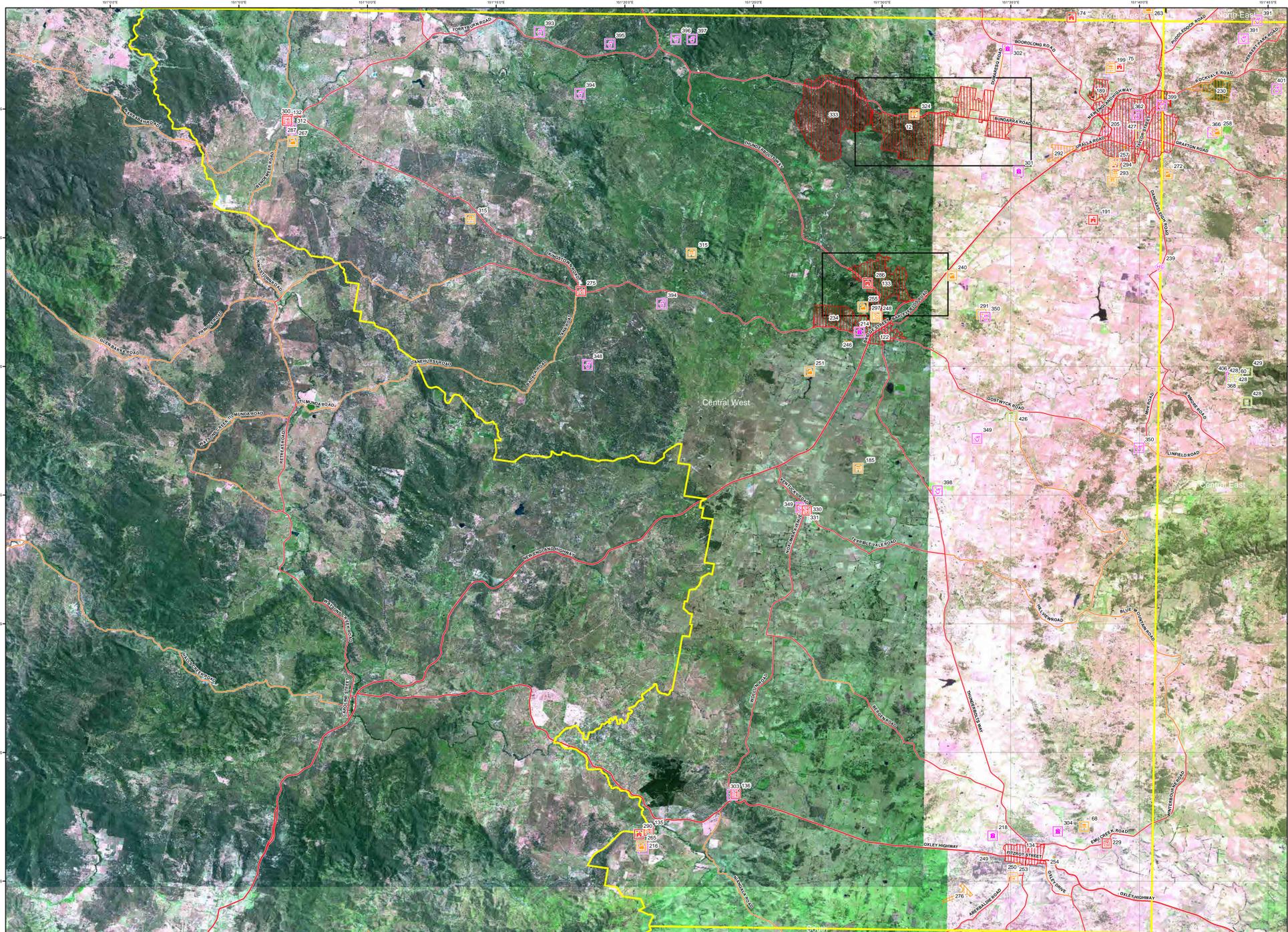
(1) T23,30,33,21



Inset map 1. Invergowrie



Inset map 2. Rocky River



ID	Treatment strategy	Action	Agencies (Support)
T3	Other	Implement Reserve Fire Management Strategy	OEH
T21	Preparedness	Undertake Pre-Incident Planning	RFS
T23	Community Education	Facilitate Bush Fire Survival Plans	RFS
T30	Preparedness	Inspect & Maintain Fire Trail	RFS
T33	Property Planning	Implement Community Protection Plan	RFS
T38	Community Education	Deliver Resource Folder	RFS
T32	Community Education	Facilitate Bush Fire Survival Plans	RFS
T44	Preparedness	Undertake Pre-Incident Planning	RFS
T39	Community Education	Deliver Resource Folders	RFS
T40	Community Education	Deliver Resource Folders	RFS

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  - varying the standard bush fire danger period as required;
  - requiring permits during bush fire danger periods;
  - prosecution of arsonists/offenders;
  - investigation of bush fire causes;
  - normal fire suppression activities;
  - assessing and managing compliance with strategic fire-fighting resource allocation management systems;
  - preparation of a S&S Operations Coordination Plan;

Note on LMZ: All areas not specifically mapped as an APZ, SFZ or FEZ are considered as LMZ for this risk management plan. For areas identified by an LMZ polygon on the map, please refer to the BFRMP document for the specific land management objectives.

Zone	Purpose	Suppression	Zone
<b>Asset Protection Zone</b>	To protect human life, property and highly valued public assets and values.	To enable the safe use of <b>Direct Attack</b> suppression strategies within the zone. To minimise bush fire impacts on undefended assets.	As per RFS document Standards for Asset Protection Zones.
<b>Strategic Fire Advantage Zone</b>	To provide strategic areas of fire protection advantage which will reduce the speed and intensity of bush fires, and reduce the potential for spot fire development. To aid containment of wildfires to existing management boundaries.	To improve the likelihood and safe use of <b>Parallel Attack</b> suppression strategies within the zone. <b>Indirect Attack</b> (back burning) in high to very high fire weather conditions within the zone. To reduce the likelihood of: Crown fire development within the zone; and/or Spot fire ignition potential from the zone.	Zone width related to suppression objectives and dependent upon: - Topography - Aspect - Spotting propensity - Location of adjacent fire breaks - Mosaic pattern of treatment Assess Overall Fuel Hazard (OFH) once vegetation communities reach minimum fire thresholds within this plan. Management practices should aim to achieve mosaic fuel reduction patterns so that the majority of the SFZ has an OFH of less than high.
<b>Land Management Zone</b>	To meet relevant land management objectives in area where APZs or SFZs are not appropriate.	As per the land management and fire protection objectives of the responsible land management agency. To reduce the likelihood of spread of fires. To undertake mosaic burning.	As appropriate to achieve land management, e.g. heritage and/or fire protection e.g. broad scale mosaic burning objectives.
<b>Fire Exclusion Zone</b>	To exclude bush fires.	N/A	Variable dependent on size of fire sensitive area requiring protection.

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Date created: Wednesday, 8 October 2014

# New England BFMC Bush Fire Risk Management Plan 2014

Central East - Map Display Area

Map 4 of 5

DRAFT

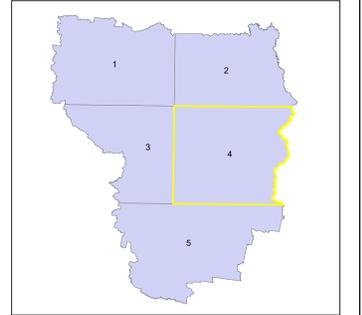
This Bush Fire Risk Management Plan (BFRMP) has been prepared by the New England Bush Fire Management Committee (BFMC) pursuant to section 52 of the Rural Fires Act 1997.

The aim of this BFRMP is to reduce the adverse impact of bush fires on life, property and the environment.

The objectives of this BFRMP are to:

- reduce the number of human-induced bush fire ignitions that cause damage to life, property or the environment;
- manage fuel to reduce the spread and intensity of bush fires while minimising environmental/ecological impacts;
- reduce the community's vulnerability to bush fires by improving its preparedness; and
- effectively contain fires with a potential to cause damage to life, property and the environment.

This map forms part of the BFRMP for the New England BFMC, covering the local government areas of Armidale, Dumaresq, Guyra, Inala and Walcha. It should be viewed in conjunction with the accompanying BFRMP document which provides further details on the BFMC area, the assets assessed and the risk assessment process used.



**Review**  
Under the Rural Fires Act 1997 this plan must be reviewed and updated within each successive five year period following the constitution of the BFMC. The New England BFMC will also review this plan as necessary. This may be triggered by a range of circumstances, including but not limited to:

- changes to the BFMC area, organisational responsibilities or legislation;
- changes to the bush fire risk in the area; or
- following a major fire event.

**Assets**  
This BFRMP identifies the assets that are considered by the New England BFMC and community to be at risk from bush fires, assesses the bush fire risk to each asset and assigns treatments designed to mitigate the risk. Assets in the BFMC area identified as requiring treatments are listed in the assets table. Other assets within the BFMC area that were assessed as not requiring treatments within the life of this plan are listed in the appendix to the BFRMP document. The Map Ref number "NA" denotes non-spatial assets.

**Treatments**  
Specific treatments assigned to assets in the New England area are listed in the treatments table and linked to the assets which they are designed to protect. Standard BFMC wide treatments (i.e. not linked to a specific asset) which occur on an ongoing basis within the BFMC area are:

- reviewing the bush fire prone land map;
- ensuring developments in the bush fire prone land comply with Planning for Bush Fire Protection;
- using the Local Environment Plan's (LEPs) to control development in areas with a bush fire risk;
- varying the standard bush fire danger period as required;
- requiring permits during bush fire danger periods;
- prosecution of arsonists/offenders;
- investigation of bush fire causes;
- normal fire suppression activities;
- assessing and managing compliance with strategic fire-fighting resource allocation management systems;
- preparation of a S&S Operations Coordination Plan;

Note on LMZ: All areas not specifically mapped as an APZ, SFAZ or FEZ are considered as LMZ for this risk management plan. For areas identified by an LMZ polygon on the map, please refer to the BFRMP document for the specific land management objectives.

Zone	Purpose	Suppression	Zone
<b>Asset Protection Zone</b>	To protect human life, property and highly valued public assets and values.	To enable the safe use of <b>Direct Attack</b> suppression strategies within the zone.	As per RFS document Standards for Asset Protection Zones.
<b>Strategic Fire Advantage Zone</b>	To provide strategic areas of fire protection advantage which will reduce the speed and intensity of bush fires, and reduce the potential for spot fire development. To aid containment of wildfires to existing management boundaries.	To improve the likelihood and safe use of <b>Parallel Attack</b> suppression strategies within the zone, and/or <b>Indirect Attack</b> (back burning) in high to very high fire weather conditions within the zone.	Zone width related to suppression objectives and dependant upon: - Topography - Aspect - Spotting propensity - Location of adjacent fire breaks - Mosaic pattern of treatment Assess Overall Fuel Hazard (OFH) once vegetation communities reach minimum fire thresholds within this plan. Management practices should aim to achieve mosaic fuel reduction patterns so that the majority of the SFZA has an OFH of less than high.
<b>Land Management Zone</b>	To meet relevant land management objectives in area where APZs or SFZAs are not appropriate.	To reduce the likelihood of: Crown fire development within the zone, and/or Spot fire ignition potential from the zone.	As appropriate to achieve land management objectives of the responsible land management agency, e.g. broad scale mosaic burning objectives.
<b>Fire Exclusion Zone</b>	To exclude bush fires.	N/A	Variable dependant on size of fire sensitive area requiring protection.

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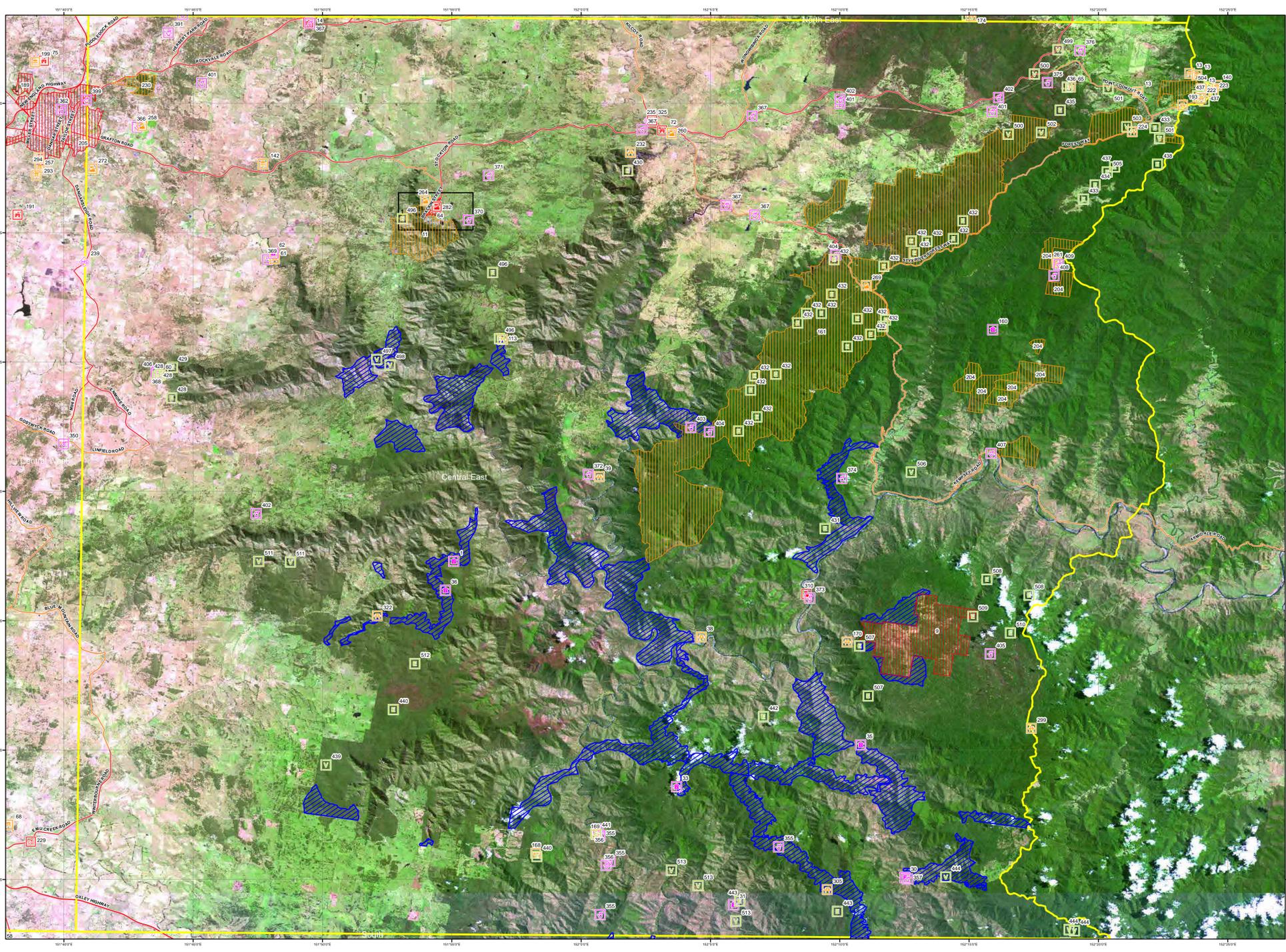
BFRMP version 2.1.23.0

Map Ref	Asset name	Asset type	Subtype	Risk level	Priority	Treatment
NA	Yooroonah Tank Barrier	Cultural	Non	Extreme	1A	T7:3
1	Bark Hut	Cultural	Non	Extreme	1A	T45
310	East Kunderang Homestead & Precinct	Human	Other	Extreme	1A	T10:45
355	Aboriginal Site	Cultural	Aboriginal	Extreme	1A	T3
356	Aboriginal Site	Cultural	Aboriginal	Extreme	1A	T3
372	Aboriginal Site	Cultural	Aboriginal	Extreme	1A	T3
374	Aboriginal Site	Cultural	Aboriginal	Extreme	1A	T3
428	Threatened Flora	Environment	Endangered	Extreme	1A	T3
368	Aboriginal Site	Cultural	Aboriginal	Extreme	1B	T3
9	Carrai Plateau	Human	Residential	Extreme	1C	T3;12:21
30	Middle Yards Hut	Cultural	Non	Extreme	1C	T45
31	Green Gully Hut and Stock Yards	Cultural	Non	Extreme	1C	T45
33	Front Tableland Hut and Stock Yards	Cultural	Non	Extreme	1C	T45
35	Left Hand Hut	Cultural	Non	Extreme	1C	T45
36	Tin Hut	Cultural	Non	Extreme	1C	T45
39	Halls Peak Camp Ground	Economic	Tourist and	Extreme	1C	T45
230	Armidale Plantation	Economic	Commercial	Extreme	1C	(1)
373	Aboriginal Site	Cultural	Aboriginal	Extreme	1C	T3
403	Aboriginal Site	Cultural	Aboriginal	Extreme	1C	T48
404	Aboriginal Site	Cultural	Aboriginal	Extreme	1C	T48
405	Aboriginal Site	Cultural	Aboriginal	Extreme	1C	T3
408	Aboriginal Site	Cultural	Aboriginal	Extreme	1C	T3
409	Aboriginal Site	Cultural	Aboriginal	Extreme	1C	T3
431	Threatened Flora	Environment	Endangered	Extreme	1C	T3
438	Threatened Flora	Environment	Endangered	Extreme	1C	T3
439	Threatened Flora	Environment	Vulnerable	Extreme	1C	T3
440	Threatened Flora	Environment	Endangered	Extreme	1C	T3
14	Thalgarah Field Studies Centre	Human	Special Fire	Very High	2A	T43
60	Dangars Falls Visitor Facilities	Economic	Tourist and	Very High	2A	T45
61	Gara Gorge Visitor Facilities	Economic	Tourist and	Very High	2A	T45
62	Gara River Hydro-Electric Scheme	Cultural	Non	Very High	2A	T45
64	Hillgrove	Human	Residential	Very High	2A	T27:37
72	Chandler Public School	Human	Special Fire	Very High	2A	T22:42
232	Woolomobi Visitor Facilities	Economic	Tourist and	Very High	2A	T45
406	Aboriginal Site	Cultural	Aboriginal	Very High	2A	T3
NA	Dog Fence Walcha	Economic	Agricultural	Very High	2C	T28
NA	Dog Fence Dorrigo	Economic	Agricultural	Very High	2C	T28
65	Stockx Peak Communications Tower	Economic	Infrastructure	Very High	2C	T14
169	Riverside Camp Ground	Economic	Tourist and	Very High	2C	T45
299	Daisy Plains Huts	Economic	Tourist and	Very High	2C	T45;10
357	Aboriginal Site	Cultural	Aboriginal	Very High	2C	T3
497	Threatened Flora	Environment	Vulnerable	Very High	2C	T3
498	Threatened Flora	Environment	Vulnerable	Very High	2C	T3
502	Threatened Flora	Environment	Vulnerable	Very High	2C	T48
503	Threatened Flora	Environment	Vulnerable	Very High	2C	T48
504	Threatened Flora	Environment	Vulnerable	Very High	2C	T3
505	Threatened Flora	Environment	Endangered	Very High	2C	T3
507	Threatened Flora	Environment	Endangered	Very High	2C	T3
508	Threatened Flora	Environment	Endangered	Very High	2C	T3
510	Threatened Flora	Environment	Endangered	Very High	2C	T3
512	Threatened Flora	Environment	Endangered	Very High	2C	T3
513	Threatened Flora	Environment	Vulnerable	Very High	2C	T3
282	NSP - Hillgrove Sportsground &	Human	Other	Low	NA	T1

(1):T15;16;17;18;19



Inset map 1. Hillgrove



**Assets**

- Human - Residential
- Human - Other
- Special Fire Protection
- Economic - Agricultural
- Economic - Commercial
- Economic - Infrastructure
- Economic - Tourism and Recreational
- Economic - Mines
- Commercial - Forestry
- Drinking Water Catchments
- Environmentally - Locally Important
- Environmentally - Vulnerable (Species)
- Environmentally - Endangered (Species)
- Cultural - Aboriginal Heritage
- Cultural - Other
- Cultural - Non-Indigenous

**Bush Fire Management Zones**

- Fire Exclusion Zone (FEZ)
- Asset Protection Zone (APZ)
- Land Management Zone (LMZ)
- Strategic Fire Advantage Zone (SFAZ)

**Base Data Layers**

- Major Roads Sealed
- Major Roads Unsealed
- Secondary Road Sealed
- Secondary Road Unsealed
- Local Road Sealed
- Local Road Unsealed
- Local Road Unspecified
- 4WD Track Unspecified
- Path
- Heavy Rail
- Light Rail
- Heavy Rail Siding
- Drainage Perennial
- Drainage Non-Perennial
- Hydro-Line Perennial
- Hydro-Line Non-Perennial
- Contour (10m)
- Contour (100m)
- Map Display Area
- Local Government Area
- Crown Land
- State Forests
- National Park

\*Note - Some base data layers may not be displayed on map

ID	Treatment strategy	Action	Agencies (Support)
T3	Other	Implement Reserve Fire Management Strategy	OEH
T7	Hazard Reduction	Inspect & Maintain APZ	OEH
T10	Property Planning	Activate Emergency Evacuation Plan	OEH
T45	Other	Implement Reserve Fire Management Strategy	OEH
T48	Other	Manage in accordance with Operational	FCNSW
T21	Preparedness	Undertake Pre-incident Planning	RFS
T12	Preparedness	Inspect & Maintain Fire Trails	OEH
T15	Hazard Reduction	Conduct Prescribed Burning as Required	FCNSW
T16	Ignition Management	Implement Control of Plant Operations	FCNSW
T17	Preparedness	Inspect and Maintain Fire Trails	FCNSW
T18	Preparedness	Conduct Fire Detection Activities	FCNSW
T19	Hazard Reduction	Implement Third Party Grazing Permits	FCNSW
T14	Hazard Reduction	Inspect & Maintain APZ	Private (OEH, RFS)
T22	Community Education	Conduct School Visit	RFS
T27	Property Planning	Develop and Implement Community Protection	RFS
T37	Preparedness	Inspect and Maintain Fire Trails	TI CL
T42	Preparedness	Undertake Pre-incident Planning	RFS
T43	Preparedness	Undertake Pre-incident Planning	RFS
T28	Preparedness	Undertake Trail Maintenance	OEH, Private
T1	Hazard Reduction	Maintain Fuels in accordance with Guidelines	LGA (RFS)

# New England BFMC Bush Fire Risk Management Plan 2014

South - Map Display Area  
Map 5 of 5

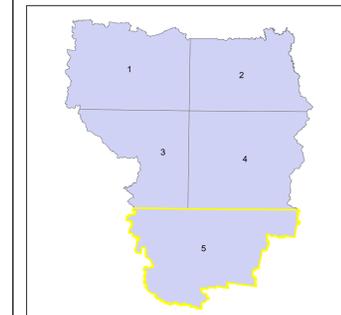
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The objectives of this BFRMP are to:

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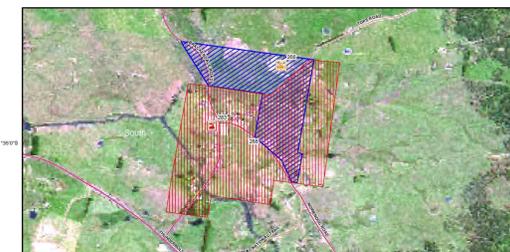
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- using the Local Environment Plan's (LEPs) to control development in areas with a bush fire risk;
- varying the standard bush fire danger period as required;
- requiring permits during bush fire danger periods;
- prosecution of arsonists/offenders;
- investigation of bush fire causes;
- normal fire suppression activities;
- assessing and managing compliance with strategic fire-fighting resource allocation management systems;
- preparation of a S&S Operations Coordination Plan;

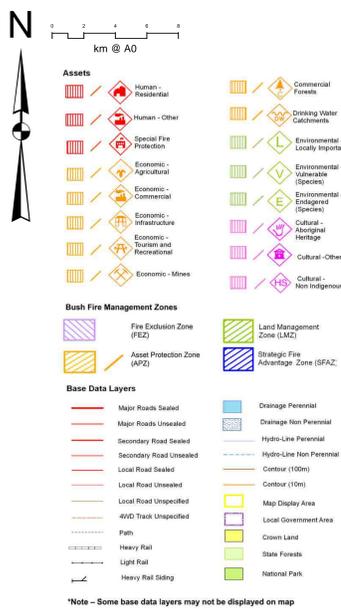
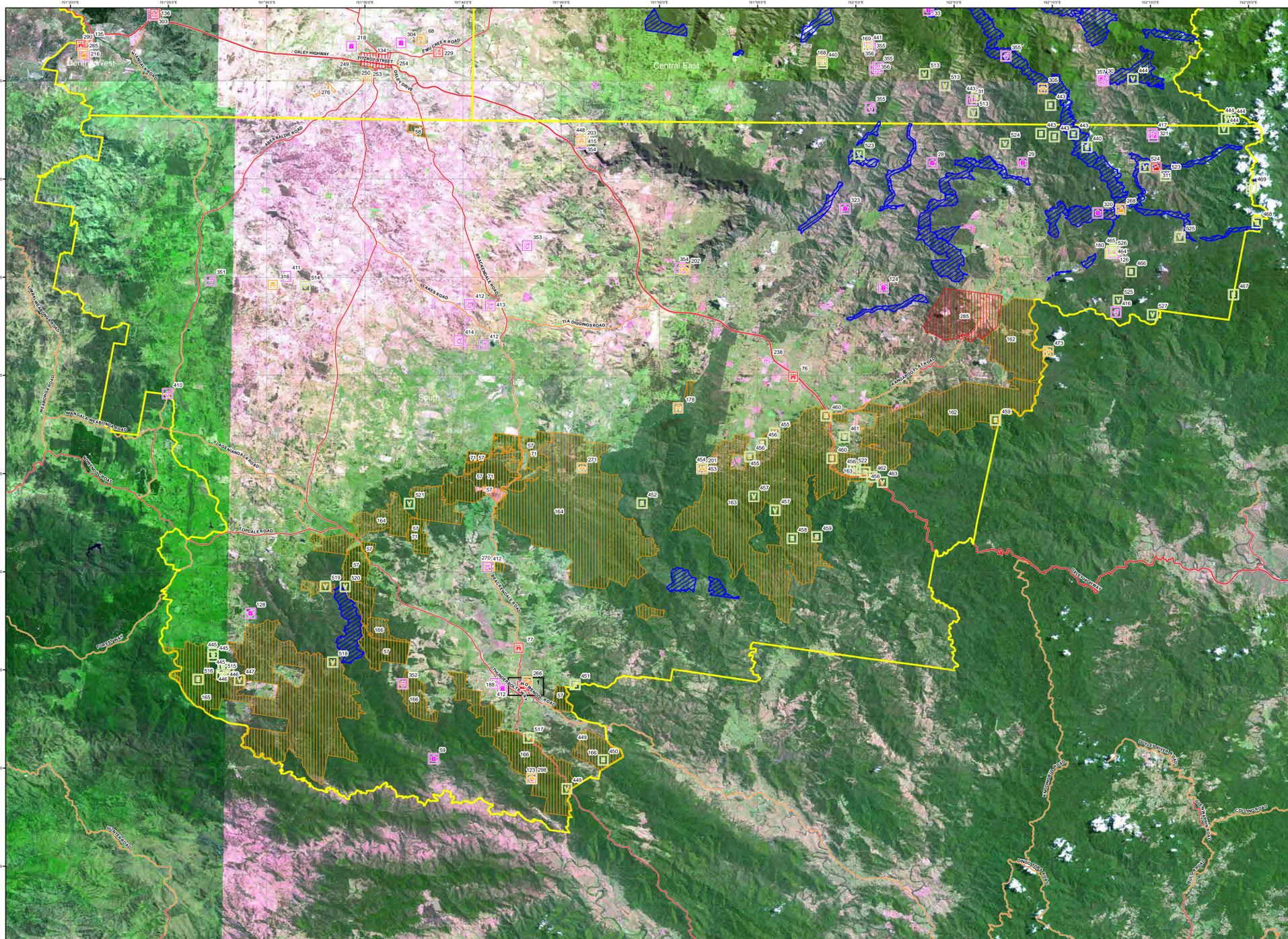
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Map Ref	Asset name	Asset type	Subtype	Risk level	Priority	Treatment
285	Yarowitch Estate	Human	Residential	Extreme	1A	T4,5,6
311	Youdales Hut & Stock Yards	Human	Other	Extreme	1A	T45
352	Aboriginal Site	Cultural	Aboriginal	Extreme	1A	T48
464	Threatened Flora	Environment	Endangered	Extreme	1A	T3
468	Threatened Flora	Environment	Endangered	Extreme	1A	T3
320	Youdales Mill Hut	Cultural	Non	Extreme	1B	T46
321	Youdales Mine Hut	Cultural	Non	Extreme	1B	T46
323	Deep Gully Hut	Cultural	Non	Extreme	1B	T45
268	Cedar Creek Complex	Economic	Commercial	Extreme	1C	T45
416	Aboriginal Site	Cultural	Aboriginal	Extreme	1C	T3
417	Aboriginal Site	Cultural	Aboriginal	Extreme	1C	T3
440	Threatened Flora	Environment	Endangered	Extreme	1C	T3
445	Threatened Flora	Environment	Vulnerable	Extreme	1C	T3
446	Threatened Flora	Environment	Vulnerable	Extreme	1C	T3
447	Threatened Flora	Environment	Vulnerable	Extreme	1C	T48
449	Threatened Flora	Environment	Vulnerable	Extreme	1C	T48
453	Threatened Flora	Environment	Vulnerable	Extreme	1C	T3
454	Threatened Flora	Environment	Vulnerable	Extreme	1C	T3
455	Threatened Flora	Environment	Vulnerable	Extreme	1C	T48
457	Threatened Flora	Environment	Vulnerable	Extreme	1C	T3
460	Threatened Fauna	Environment	Endangered	Extreme	1C	T48
462	Threatened Flora	Environment	Vulnerable	Extreme	1C	T3
463	Threatened Flora	Environment	Vulnerable	Extreme	1C	T3
465	Threatened Flora	Environment	Vulnerable	Extreme	1C	T3
466	Threatened Flora	Environment	Vulnerable	Extreme	1C	T3
469	Threatened Flora	Environment	Endangered	Extreme	1C	T3
28	Yarowitch River Hut and Stock Yards	Cultural	Non	Very High	2A	T45
29	Colwells Hut and Stock Yards	Cultural	Non	Very High	2A	T45
57	Nowendoc Plantations	Economic	Commercial	Very High	2A	(1)
58	Croft Knoll Plantation	Economic	Commercial	Very High	2A	(2)
59	Christies Hut	Cultural	Non	Very High	2A	T45
71	Riamukka Plantation	Economic	Commercial	Very High	2A	(3)
76	Yarowitch Public School	Human	Special Fire	Very High	2A	T22,42
77	Nowendoc Public School	Human	Special Fire	Very High	2A	T47,43
354	Aboriginal Site	Cultural	Aboriginal	Very High	2B	T3
NA	Dog Fence Walcha	Economic	Agricultural	Very High	2C	T28
515	Threatened Flora	Environment	Endangered	Very High	2C	T3
517	Threatened Flora	Environment	Vulnerable	Very High	2C	T48
518	Threatened Flora	Environment	Vulnerable	Very High	2C	T48
522	Threatened Flora	Environment	Vulnerable	Very High	2C	T48
524	Threatened Flora	Environment	Vulnerable	Very High	2C	T3
525	Threatened Flora	Environment	Vulnerable	Very High	2C	T3
283	NSP - Nowendoc Memorial Hall	Human	Other	Low	NA	T1

(1):T15,16,17,18,19  
(2):T15,16,17,18,19  
(3):T15,16,17,18,19



Inset map 1. Nowendoc



ID	Treatment strategy	Action	Agencies (Support)
T3	Other	Implement Reserve Fire Management Strategy	OEH
T4	Community Education	Deliver Resource Folders	RFS
T5	Preparedness	Inspect & Maintain Fire Trails	RFS
T6	Preparedness	Undertake Pre-incident Planning	RFS
T45	Other	Implement Reserve Fire Management Strategy	OEH
T48	Other	Manage in accordance with Operational	FCNSW
T46	Other	Implement Reserve Fire Management Strategy	OEH
T15	Hazard Reduction	Conduct Prescribed Burning as Required	FCNSW
T16	Ignition Management	Implement Control of Plant Operations	FCNSW
T17	Preparedness	Inspect and Maintain Fire Trails	FCNSW
T18	Preparedness	Conduct Fire Detection Activities	FCNSW
T19	Hazard Reduction	Implement Third Party Grazing Permits	FCNSW
T22	Community Education	Conduct School Visit	RFS
T42	Preparedness	Undertake Pre-incident Planning	RFS
T43	Preparedness	Undertake Pre-incident Planning	RFS
T47	Community Education	Conduct School Visit	RFS
T28	Preparedness	Undertake Trail Maintenance	OEH, Private
T1	Hazard Reduction	Maintain Fuels in accordance with Guidelines	LGA (RFS)

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Date created: Wednesday, 8 October 2014

BFRM version 2.1.23.0

# New England BFMC

Vegetation Categories<sup>1</sup>  
 Vegetation Formations of NSW (version 3.03)

**For a high resolution copy of this Map, please contact the New England Rural Fire Service**

**Legend:**

**Keith Category**

- Alpine complex
- And shrublands (Acacia subformation)
- And shrublands (Chenopod subformation)
- Cleared
- Dry sclerophyll forests (Strucopras subformation)
- Dry sclerophyll forests (Shrubby subformation)
- Fossilised wetlands
- Freshwater wetlands
- Grasslands
- Grass woodlands
- Heathlands
- Rainforests
- Saline wetlands
- Semi-arid woodlands (Grassy subformation)
- Semi-arid woodlands (Shrubby subformation)
- Wet sclerophyll forests (Grassy subformation)
- Wet sclerophyll forests (Shrubby subformation)

**Jurisdiction**

- Jurisdiction
- BFMC Bin Buffer
- Other States
- NSW

**Major Roads**

- Major Road Sealed
- Major Road Unsealed
- Secondary Road Sealed
- Secondary Road Unsealed

**Hydrology**

- Hydro-Line Perennial
- Drainage Perennial

1. Keith C. 2008. Check Boxes to Check Boxes: The Native Vegetation of New South Wales and the ACT. 2008. Department of Environment.

**Data Dictionary**

Field Name	Format	Date
BFMC Jurisdiction	Integer	February 2017
Other States	Integer	February 2017
NSW	Integer	February 2017
Major Roads	Integer	February 2017
Hydrology	Integer	February 2017

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Date Created: 1/10/2017 Created By: GIS Support

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# New England BFMC

## Bush Fire Frequency

Number of days with bush fires  
(October 1997 - February 2017 only)

**For a high resolution copy of this Map, please contact the New England Rural Fire Service**

**Legend**

**Bush Fire Frequency (February 2017)**

1
2
3
4
5
6
7

**Major Roads**

- Major Road Swept
- Major Road Unswept
- Secondary Road Swept
- Secondary Road Unswept

**Hydrology**

- Hydro-Line Perennial
- Discharge Perennial

**Jurisdiction**

- Jurisdiction
- BFMC 500m Buffer
- Other States
- NSW

**Data Dictionary**

Field Name	Source	Date
BFMC 500m Buffer	NSW RFS	February 2017
Discharge Perennial	NSW RFS	February 2017
Hydro-Line Perennial	NSW RFS	February 2017
Jurisdiction	NSW RFS	February 2017
Major Roads	NSW RFS	February 2017
Other States	NSW RFS	February 2017

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