

# **Far North Coast Bush Fire Management Committee**

***28th March 2017***

## **Bush Fire Risk Management Plan**

*Prepared by the Far North Coast Bush Fire Management Committee; pursuant to section 52 of the Rural Fires Act, 1997. In accordance with the Regulations to the Rural Fires Act 1997, the draft bush fire risk management plan will be exhibited for a period of not less than 42 days during which time submissions are invited from the public.*

*As such, members of the public, whether as private individuals or as members of community interest groups are invited to comment on the plan. Submissions should be in writing, and as detailed and specific as possible; however any comments, no matter how brief or general are welcome. All comments received will be referred to the Bush Fire Coordinating Committee with the plan for their final deliberation and approval.*

*Prior to finalising the plan, the Bush Fire Management Committee is required to consider the submissions to plan and prepare a review for consideration by the Bush Fire Coordinating Committee. Under the Act, the Bush Fire Coordinating Committee may approve the plan, amend the plan or reject the plan in the light of public submissions.*

*If significant changes are made to the plan after public exhibition, the draft plan will be placed on further exhibition prior to its final adoption.*

*The closing date for comments on this plan is:*

*Comments should be forwarded to:*

*Executive Officer David Cook*

*Bush Fire Management Committee*

*P.O Box 816, Murwillumbah NSW 2484*

*Additional information or enquires on any aspect of the plan can be obtained from Tweed Fire Control Centre or by telephoning (02) 6671 5500.*

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## Authorisation

In accordance with Part 3 Division 4 of the Rural Fires Act 1997, this Plan has been prepared by the Far North Coast Bush Fire Management Committee and has been endorsed at the BFMC meeting on 28th March 2017 for submission to the Bush Fire Coordinating Committee.

## Recommended



Cr Michael Lyon  
Chairperson  
Far North Coast Bush Fire Management Committee

## Approved



On behalf of the  
NSW Bush Fire Coordinating Committee



## 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 Brigades, the National Parks and Wildlife Service and Forests 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 Far North Coast 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 Far North Coast BFMC area.

This BFRMP has been prepared by the Far North Coast 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 Far North Coast BFMC Area

#### 1.3.1 Location and land tenure

The Far North Coast BFMC area is located in the north eastern corner of New South Wales and includes the Local Government Areas of Ballina, Byron and Tweed.

The area covered by the Far North Coast BFMC is 237,695 hectares and includes the land tenures outlined in Table 1.1.

Land Manager	% of BFMC area
National Parks & Wildlife Service	12.33% 29305ha
Department of Lands	5.14% 12306ha
Local Government - Ballina	1.14% 2686 ha
Local Government - Byron	0.09% 193.5 ha
Local Government - Tweed	1.89% 4470 ha
Private / Other	79.41% 188 734.5 ha

**Table 1.1 Land Tenure**

#### 1.3.2 Climate and bush fire season

The typical / average climate in the Far North Coast BFMC area could be described as temperate to sub-tropical. Although the area can experience high rainfall, this can be very seasonal, the driest months on average being August to October and wettest in late summer and autumn (source [www.weatherzone.com.au](http://www.weatherzone.com.au)). The bush fire season generally runs from September through November although statutorily extends to March most seasons due to hot summer temperatures and strong coastal winds.

Prevailing weather conditions associated with the bush fire season in the Far North Coast BFMC area are strong north to north westerly winds, with high temperatures and low humidity. Worst seasons occur after prolonged periods of drought. The season can often start “early” in July or August if drought conditions prevail.

#### 1.3.3 Population and demographic information

The population of Ballina LGA is 41644, Byron LGA 32119 and Tweed LGA 91210, giving the Far North Coast BFMC area an approximate total population of 164 973 (*ABS Statistics Estimated Resident Population – <http://stat.abs.gov.au> 27/3/17*). The major population centres are spread throughout the coastal fringe as well as hinterland regional centres such as Mullumbimby and Murwillumbah. A number of villages are also spread through the hinterland of the three local government areas.

Many popular tourist destinations are located within the Far North Coast BFMC’s jurisdiction. These destinations can be characterised by two patterns of development: coastal and hinterland tourist facilities. Byron Shire has approximately 1.6 million tourist visitations per annum (*www.byron.nsw.gov.au Visitor Economy 27/3/17*), with Ballina 1.797 million tourist visitations per annum (*Tourism Research Australia, Unpublished data from the National Visitor Survey and International Visitor Survey 2016*) and Tweed 1.776 million tourist visitations per annum (*Destination Tweed Quarterly Report April-June 2016*).

Many of the coastal areas contain high densities of tourist facilities. These range from Caravan Parks and Camp Grounds to Five Star Resorts and include the internationally popular destination; Byron Bay. Hinterland tourist facilities are often less dense in their pattern of development and can include bed and breakfast, eco resorts or farm-stay style accommodation.

Those facilities in bush fire prone areas are of particular concern to the BFMC due to their popularity during the warmer months and the unpredictability of the tourist's response to bush fire.

Changing land use is also of concern to the committee. A noticeable shift in the rural areas has occurred from primary production to rural living. This shift can result in an increase in fuels loads, particularly where grazing is reduced. Multiple Occupancies are common throughout both the coast and hinterland areas of Byron and Tweed Shires. Although exceptions occur, they are of particular concern due to access, water supply and fuel (vegetation) management issues.

Community engagement will be an important tool for the committee over the life of this plan.

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

Across the Far North Coast BFMC area, fire agencies attend an average of approximately 460 bush, grass and/or scrub fires per year.

The main sources of ignition in the Far North Coast BFMC area are fire escape from legal or illegal fires (mainly prior to the introduction of the bush fire danger period), arson, and lightning strikes.

## 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).

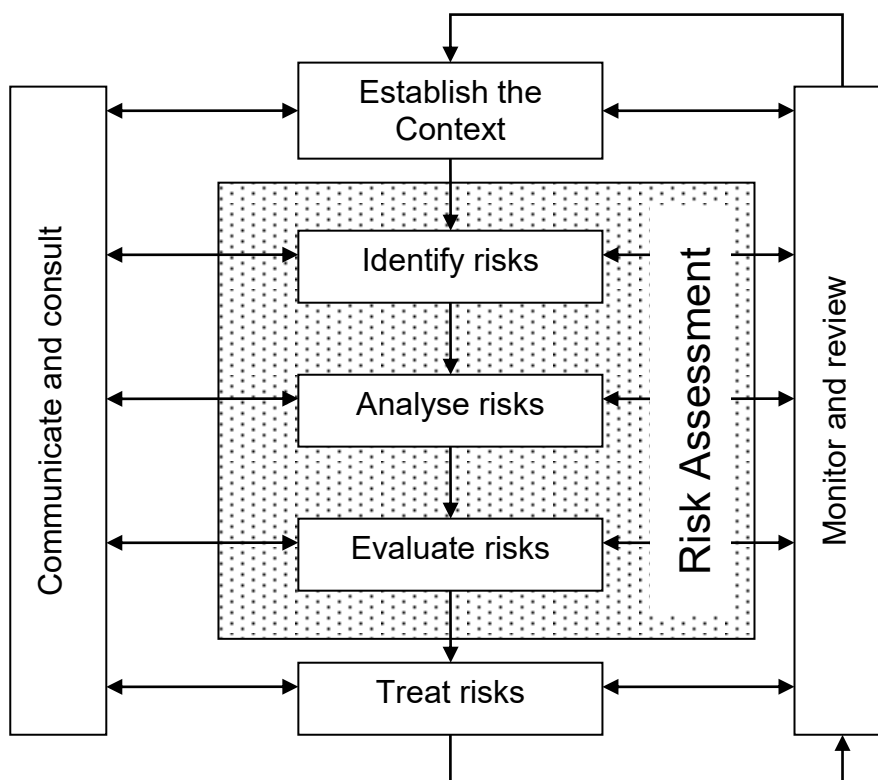


Figure 2.1 Overview of the risk assessment process

### 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 Far North Coast 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 Far North Coast 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 Far North Coast 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 threatened species and endangered ecological communities, which are especially sensitive to fire.
- Internationally significant sites, such as world heritage listed assets.

## **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 Far North Coast BFMC area. See maps 1-8 for the location of assets to be treated under this BFRMP

### **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 Far North Coast 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 and fire threshold 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 Far North Coast 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 Far North Coast BFMC area.

### **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 and the capacity for the member agencies to carry out the work. Within the Far North Coast 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 Far North Coast BFMC has accepted that there will be extreme and very high risk to some environmental and cultural assets. The Far North Coast 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. 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 31 NSP assets in Far North Coast (*Ballina: 11, Byron: 8, Tweed: 12*) are allocated specific treatments in this Plan, regardless of the level of bush fire risk identified and the risk acceptability nominated by the Far North Coast BFMC.

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

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

Bush Fire Management Zones were identified within the Far North Coast BFMC area and mapped (see maps 1-8). 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).

<b>Zone</b>	<b>Purpose</b>	<b>Suppression Objective(s)</b>	<b>Zone characteristics</b>
<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 dependent 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. Although Far North Coast has a permanent variation of BFDP, to commence on 1<sup>st</sup> September each year, 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 biannually 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 Forests NSW Regional Fuel Management Risk Plan, a NPWS Fire Management Strategy. 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 Far North Coast BFMC area are listed below. A full list of the treatment strategies in Far North Coast BFMC area are in Appendix 3.



<b>Strategy</b>	<b>Targeted treatments used in the Far North Coast BFMC area</b>
Ignition Management	Treatments aim to reduce fire occurrence or the spread of fire. For example patrols on Total Fire Ban Days or inclusion of gates to fire trails to reduce access to areas that arson is common.
Hazard Reduction	Treatments aim to reduce the amount of fuel available for a bush fire. For example hazard reduction via burning in a strategic fire advantage zone, slashing in a APZ/SFAZ and selected removal of fire prone species.
Community Education	Treatments aim to better prepare the public for bush fire. For example educating a property owner on best practice methods for implementing an asset protection zone.
Property Planning	Treatments that aim to prepare properties and provide Brigades with pre incident information. For example the creation of pre-incident plans on multiple occupancies.
Preparedness	Treatments that aims to maintain and utilise existing resources. For example the maintenance of fire trails listed in the relevant local government areas fire trail register.
Other	Any other unique treatments to the area. For example researching fuel accumulation in Camphor Laurel forests.

**Table 3.2 Asset specific treatments used in the (insert name here) BFMC area**

### **3.4 Fire Thresholds**

The vegetation in the Far North Coast BFMC area was classified into fire threshold categories (Table 3.3\*). See map for fire threshold mapping of the vegetation in the Far North Coast BFMC area.

<b>Vegetation formation</b>	<b>Minimum SFAZ Threshold (years)</b>	<b>Minimum LMZ Threshold (years)</b>	<b>Maximum Threshold (years)</b>	<b>Notes</b>
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.

#### **Local permit issuing/hazard reduction burning exclusion periods**

In the Far North Coast BFMC area the issuing of permits/hazard reduction burning is not permitted during the Christmas/New Year period from 23<sup>rd</sup> December – 3<sup>rd</sup> January, with the exception of essential primary production burning, including sugar cane harvest operations and destruction of dead diseased animals.

In the Far North Coast BFMC area the issuing of permits/hazard reduction burning is not permitted, in accordance with Rural Fires Act 1997, on days of very high or above fire danger rating.

On days of very high or above fire danger rating, an exemption applies to sugar cane pre-harvest burning, for a fire lit, maintained or used between the hours of 7p.m and 7a.m Australian Eastern Standard Summer Time for a purpose associated with the harvesting of sugar cane provided that:

- (a) the fire is lit and maintained in a manner which will prevent the escape of fire, sparks or incandescent or burning material from the area of cane which is to be harvested; and,
- (b) adequate fire fighting equipment is provided at the site of the fire to prevent the escape or spread of the fire,
- (c) the fire is under the direct control of a responsible adult person, present at all times until it is fully extinguished.
- (d) the person who lights the fire has complied with the requirements of section 87 of the Rural Fires Act 1997.

## **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 Far North Coast 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.

## Appendices

### Appendix 1 Community Participation Strategy

<b>Date Proposed</b>	<b>Target Audience</b>	<b>Map Display Area</b>	<b>Method of communication</b>	<b>Method of notification</b>	<b>Key messages/Purpose</b>	<b>Responsibility</b>	<b>Date Completed</b>	<b>Attended</b>
February 2017	Landcare Group Coordinators Ballina, Byron & Tweed Shires	Ballina, Byron & Tweed Coast and Hinterland	Email / Letter / Presentation	Email	Treatment options, Risk Management Planning	Local Government	31/1/2017	Emailed to 3 Landcare coordinators
Ongoing since June 2015.	Far North Coast RFB Captains	All Far North Coast MDAs	Presentation	Meeting Notices	Risk plan preparation awareness – request for input Treatment options	RFS	12/12/2016 6/3/2017 9/3/2017	37
March 2017	FRNSW Station Commanders	All	Presentation	Meeting Notices	Risk plan preparation awareness – request for input Treatment options	FRNSW	Banora Pt 22/2/17 Ballina 6/3/17	10 12
February 2017	Ballina residents	Ballina Coast and Hinterland	Media release & advertisement in local newspapers	Media Release / Advertisement in Public Notices	Draft Risk Management Plan preparation & exhibition awareness – request for comments	RFS, Ballina Council	31/01/2017	Emailed out to 10 Media outlets
February 2017	Byron residents	All Byron MDA's	Media release & advertisement in local newspapers	Media Release / Advertisement in Public Notices	Draft Risk Management Plan preparation & exhibition awareness – request for comments	RFS, Byron Council	31/01/2017	Emailed out to 10 Media outlets

**Annex A to  
Bush Fire Coordinating Committee  
Policy No. 1/2008  
Bush Fire Risk Management**

February 2017	Tweed residents	All Tweed MDA's	Media release & advertisement in local newspapers	Media Release / Advertisement in Public Notices	Draft Risk Management Plan preparation & exhibition awareness – request for comments	RFS, Tweed Council	31/01/2017	Emailed out to 10 Media outlets
February 2017	Ballina Shire residents and progress associations	Ballina Coast and Hinterland	Media release & advertisement in local newspapers	Media Release / Advertisement in Public Notices	Draft Risk Management Plan preparation & exhibition awareness – request for comments	RFS, FRNSW, Ballina Council	31/01/2017	Emailed out to 10 Media outlets
February 2017	Byron Shire residents & progress associations	All Byron MDA's	Media release & advertisement in local newspapers	Media Release / Advertisement in Public Notices	Draft Risk Management Plan preparation & exhibition awareness – request for comments	RFS, FRNSW, Byron Council	31/01/2017	Emailed out to 10 Media outlets
February 2017	Tweed Shire residents & progress associations	All Tweed MDA's	Media release & advertisement in local newspapers	Media Release / Advertisement in Public Notices	Draft Risk Management Plan preparation & exhibition awareness – request for comments	RFS, FRNSW, Tweed Council	31/01/2017	Emailed out to 10 Media outlets
January 2017	All residents, inc adjoining BFMC boundaries – Northern Rivers BFMC and SE Queensland	All adjoining border MDAs	Advertisement in Northern Star & Tweed Daily News, referencing public display at Council offices	Advertisement in Public Notices	Draft Risk Management Plan preparation & exhibition awareness – request for comments	BFMC	31/01/2017 Northern Star  04/02/2017 Tweed Daily News	Published in public notices
February 2017	NSW Farmers – Far North Coast	All MDAs	Meeting / Presentation	Telephone / Email	Draft Risk Management Plan preparation & exhibition awareness – request for comments. Meet to discuss any Agricultural specific issues.	NSW Farmers Representative / RFS / Councils	9/2/17	Total Attendees  7

**Annex A to  
Bush Fire Coordinating Committee  
Policy No. 1/2008  
Bush Fire Risk Management**

August 2016	Queensland Fire & Emergency Services	Border MDA's	Discussion	Agenda Item under agency report	Draft Risk Management Plan preparation & exhibition awareness – request for comments. Meet to discuss any cross border issues.	RFS, NPWS, FRNSW	23/08/2016	Total Attendees 30
October 2016	Local Aboriginal Land Council (JALI LALC, Tweed Byron LALC) Arakwal	Respective MDAs	Presentation at Tweed FCC	Meeting Notice	Risk plan preparation awareness – request for input. Meet to discuss any Aboriginal specific issues.	NSWRFS	27/10/2016	Total Attendees 7
February / March 2017	Richmond & Tweed Cane Growers	Respective MDAs	Meeting / Presentation	Telephone / Email	Draft Risk Management Plan preparation & exhibition awareness – request for comments	RFS / Council	9/2/17	Total Attendees 7
November 2014 / 14 February 2017	TWEED BYRON Local Emergency Management Committee	All MDAs	Meeting discussion	Agenda Item	Risk plan preparation awareness – request for input on asset identification and treatment options	RFS / FRNSW / NPWS	11/11/2014 14/2/17	23 Attendees 21 Attendees
1 February 2017	BALLINA Local Emergency Management Committee	All MDAs	Meeting discussion	Agenda Item	Risk plan preparation awareness – Overview of draft BFRMP and request any feedback	RFS / FRNSW	01/02/2017	Total Attendees 14
Ongoing since June 2015.	Far North Coast RFS Senior Executive Committee	All Far North Coast MDAs	Presentation	Meeting Notices	Risk plan preparation awareness – Overview of draft BFRMP and request any feedback	NSWRFS	01/02/2017	Total Attendees 9

## **Appendix 2 Asset Register**



**Appendix 2 Far North Coast Bush Fire Risk Management Plan Asset Register**

Map Ref No.	Asset type	Asset sub type	Asset name	Asset Location	LGA	Display area	Likelihood	Consequence	Risk	Priority	Treatment number
0	Human Settlement	Residential	Hinterland Rural Dwellings on Forested Lower Slopes	Crystal, Nobbys, Chowan, Rowlands, Smiths, Tyalgum, Back, Brays, Commissioners, Kunghur Mullumbimby, Upper Wilsons Creeks, Limpinwood, Pumpenbil, Mount Burrell, Doon Doon, Midginbil, Palmwoods, Middle Pocket, Uriup, Dungay, Chillingham, Wanganui, Nth Arm	Ballina	Central Byron Shire;Central Tweed;Nth Byron Shire and SE Tweed;Western Tweed	Likely	Moderate	High	3A	33;81;5;41
0	Human Settlement	Residential	Pimlico	Pimlico Road Pimlico	Ballina	Ballina Coast and Hinterland	Almost certain	Minor	High	3D	35;160
0	Human Settlement	Residential	Wooyung Area	Wooyung Road	Tweed	Nth Byron Shire and SE Tweed	Almost certain	Minor	High	3D	83;160
0	Human Settlement	Residential	Coastal Rural Dwellings on Forested Lower Slopes	Cobaki, Piggabeen, Uralba, Dulguigan	Ballina	Ballina Coast and Hinterland;Central Tweed;North East Tweed	Possible	Major	High	3B	33;153;160
0	Human Settlement	Residential	Assets Adjoining Isolated Bushland Areas > 1 hectare	Tweed Heads area, Kingscliff, Cudgen, Chinderah, Banora Point, Murwillumbah, Shaws Bay Escarpment		Ballina Coast and Hinterland;Central Tweed;Central Tweed Coast;North East Tweed	Unlikely	Major	Medium	4	21
0	Human Settlement	Residential	Rural Areas Grassland and Camphor	The Pocket, Main Arm Village, Montecollum, Mullumbimby, Federal, Myocum, Coorabell, Eureka, Clunes, Nashua, Booyong, Binna Burra, Possum Creek, Coopers Shoot, Brooklet, Newrybar, Fernleigh, Pearces Creek, Knockrow, Teven, Tintenbar, Alstonville, Bangalow.		Ballina Coast and Hinterland;Central Byron Shire;Nth Byron Shire and SE Tweed	Likely	Minor	Medium	4	21
0	Human Settlement	Residential	Isolated Rural Dwellings Central Tweed Coast <10 degrees slope	Cudgera Creek, Reserve Creek, Clothiers Creek, Palmvale, Sleepy Hollow, Cudgen	Tweed	Central Tweed Coast	Likely	Minor	Medium	4	21
0	Human Settlement	Special Fire Protection	Rural Tourist Facilities	Western Tweed		Western Tweed	Possible	Major	High	3B	62;21;5
0	Human Settlement	Special Fire Protection	SFPDs Rural Grassland Areas	Fernleigh, St Josephs Alstonville		Ballina Coast and Hinterland	Unlikely	Moderate	Low	NA	
0	Economic	Agricultural	Grazing Land	Ballina, Byron and Tweed		undefined	Possible	Minor	Low	NA	114
0	Economic	Agricultural	Hydroponic industries	Ballina, Byron and Tweed	Ballina	Ballina Coast and Hinterland;Central Tweed Coast	Unlikely	Major	Medium	4	
0	Economic	Agricultural	Tree Crops	Ballina, Byron and Tweed Shires		Ballina Coast and Hinterland;Central Tweed;North East Tweed;Western Tweed	Unlikely	Major	Medium	4	114
0	Economic	Agricultural	Banana Farms	Tweed, Byron, Ballina areas	Ballina	Central Byron Shire;Central Tweed;Central Tweed Coast;Nth Byron Shire and SE Tweed;Western Tweed	Almost certain	Moderate	Very High	2C	33;120
0	Economic	Agricultural	Sugar Cane	Ballina, Byron and Tweed	Ballina	Ballina Coast and Hinterland	Possible	Moderate	Medium	4	119

**Appendix 2 Far North Coast Bush Fire Risk Management Plan Asset Register**

Map Ref No.	Asset type	Asset sub type	Asset name	Asset Location	LGA	Display area	Likelihood	Consequence	Risk	Priority	Treatment number
0	Economic	Infrastructure	Traffic on Major Roads	Ballina, Byron and Tweed	Ballina	Ballina Coast and Hinterland;Central Tweed Coast;North East Tweed;Nth Byron Shire and SE Tweed	Almost certain	Moderate	Very High	2C	121
0	Economic	Infrastructure	Interstate Direct Link	Laverties Gap to Bungalora	Tweed	North East Tweed	Likely	Major	Very High	2A	163;164
0	Economic	Infrastructure	Powerline Infrastructure	Tweed, Ballina and Byron Shires	Tweed	undefined	Likely	Major	Very High	2A	122;123
0	Economic	Tourist and Recreational	Byron Shire Hinterland Tourism Industry	Byron Shire		Byron Bay and Hinterland;Central Byron Shire;Nth Byron Shire and SE Tweed	Possible	Major	High	3B	2;62
0	Economic	Tourist and Recreational	Byron Shire Coastal Tourism Industry	Byron Bay, Brunswick Heads, Broken Head		Byron Bay and Hinterland;Central Byron Shire;Nth Byron Shire and SE Tweed	Likely	Catastrophic	Extreme	1B	157;2;60;62;111
0	Economic	Tourist and Recreational	Ballina Tourism Industry	Ballina	Ballina	Ballina Coast and Hinterland	Likely	Major	Very High	2A	23;27;41
0	Economic	Tourist and Recreational	Tweed Shire Coastal Tourism Industry	Tweed Coast	Ballina	Central Tweed Coast;North East Tweed;Nth Byron Shire and SE Tweed	Likely	Major	Very High	2A	2;62
0	Economic	Drinking Water Catchment	Wilsons Creek Catchment	Wilson Creek, Mullumbimby area		Central Byron Shire	Likely	Minor	Medium	4	165
0	Economic	Drinking Water Catchment	Ballina Drinking Water Catchments			Ballina Coast and Hinterland	Possible	Minor	Low	NA	165
0	Environment	Endangered	Coastal Fontainea	Far North Coast	Ballina	Ballina Coast and Hinterland	Likely	Catastrophic	Extreme	1B	92;93
0	Environment	Endangered	Narrow-leaf Finger Fern	RF, WSF	Ballina	Central Byron Shire	Likely	Major	Very High	2A	92;93
0	Environment	Endangered	Bush Stone Curlew	Coastal areas, open vegetation types	Ballina	Central Tweed	Almost certain	Major	Extreme	1C	93;147
0	Environment	Endangered	Minyon Quandong	RF and WSF	Ballina	undefined	Likely	Major	Very High	2A	92;93
0	Environment	Endangered	Native Justica	Brunswick Heads area, littoral RF	Byron	Nth Byron Shire and SE Tweed	Likely	Major	Very High	2A	93;147
0	Environment	Endangered	Eastern Bristlebird	Rainforest edges in adjacent grassy forest	Ballina	undefined	Almost certain	Major	Extreme	1C	93;147
0	Environment	Endangered	Green and Golden Bell Frog	Large freshwater water bodies	Ballina	undefined	Unlikely	Major	Medium	4	92;148
0	Environment	Endangered	Gympie Stinger	RF	Tweed	undefined	Likely	Major	Very High	2A	92;93
0	Environment	Endangered	Dwarf Heath Casuarina	Far North Coast	Ballina	undefined	Almost certain	Minor	High	3D	147
0	Environment	Endangered	EEC: Coastal Salt Marsh	Pottsville, Tweed Heads,	Tweed	undefined	Unlikely	Major	Medium	4	92;148
0	Environment	Endangered	Yellow Flowered King of the Fairies	Far North Coast	Tweed	undefined	Likely	Major	Very High	2A	148;147
0	Environment	Endangered	Giant Ironwood	Mt Chincogan	Ballina	undefined	Likely	Major	Very High	2A	93;147
0	Environment	Endangered	Axe-breaker	RF	Tweed	undefined	Likely	Major	Very High	2A	92;93

**Appendix 2 Far North Coast Bush Fire Risk Management Plan Asset Register**

Map Ref No.	Asset type	Asset sub type	Asset name	Asset Location	LGA	Display area	Likelihood	Consequence	Risk	Priority	Treatment number
0	Environment	Endangered	Border Ranges Daisy	Border Ranges NP	Tweed	undefined	Unlikely	Major	Medium	4	92
0	Environment	Endangered	Scented Acronychia	Coastal RF	Ballina	undefined	Likely	Major	Very High	2A	92;93
0	Environment	Endangered	Spiny Gardenia	RF	Tweed	undefined	Likely	Catastrophic	Extreme	1B	92;93
0	Environment	Endangered	White Yiel Yiel	RF	Tweed	undefined	Likely	Major	Very High	2A	92;93
0	Environment	Endangered	Basket Fern	RF, WSF	Ballina	undefined	Likely	Major	Very High	2A	92;93
0	Environment	Endangered	Lemon Scented Grass	Far North Coast	Ballina	undefined	Almost certain	Moderate	Very High	2C	147;148
0	Environment	Endangered	Pygmy Bishop's Hat	Far North Coast	Ballina	undefined	Unlikely	Major	Medium	4	147
0	Environment	Endangered	Nightcap Oak	OEH estate	Byron	undefined	Unlikely	Moderate	Low	NA	92
0	Environment	Endangered	Hastings River Mouse	Ballina & Byron LGA	Ballina	undefined	Almost certain	Major	Extreme	1C	147;148
0	Environment	Endangered	Red Tailed Black Cockatoo (Coastal sub species)	Far North Coast	Tweed	undefined	Possible	Moderate	Medium	4	147;149;93
0	Environment	Endangered	Square-stemmed spike rush	Far North Coast	Ballina	undefined	Almost certain	Minor	High	3D	147
0	Environment	Endangered	Short-Footed Screw Fern	Far North Coast	Byron	undefined	Unlikely	Major	Medium	4	92
0	Environment	Endangered	Tree Guinea Flower	Far North Coast	Ballina	undefined	Likely	Moderate	High	3A	147;148
0	Environment	Endangered	Needle-leaf Fern	Far North Coast	Ballina	undefined	Unlikely	Moderate	Low	NA	92
0	Environment	Endangered	Pink Nodding Orchid	Far North Coast	Tweed	undefined	Likely	Minor	Medium	4	147;148
0	Environment	Endangered	Nightcap Plectranthus	Rocky outcrops and creekbanks	Ballina	Central Byron Shire;Central Tweed	Likely	Major	Very High	2A	92;93
0	Environment	Endangered	Byron Bay Diuris	Arakwal NP	Byron	Byron Bay and Hinterland	Almost certain	Major	Extreme	1C	148;93;92
0	Environment	Endangered	Harnieria hygrophiloides	Brunswick Heads	Byron	Nth Byron Shire and SE Tweed	Likely	Major	Very High	2A	147
0	Environment	Endangered	Atlas rainforest ground beetle	Rainforest understory	Ballina	Ballina Coast and Hinterland	Almost certain	Catastrophic	Extreme	1A	148;92
0	Environment	Endangered	Mountain Frog	Border Ranges escarpment	Tweed	Western Tweed	Likely	Major	Very High	2A	148;92;93
0	Environment	Endangered	Tinospora Vine	Far North Coast	Ballina	undefined	Almost certain	Moderate	Very High	2C	147
0	Environment	Endangered	Isoglossa	Inner Pocket NR	Byron	undefined	Unlikely	Moderate	Low	NA	92
0	Environment	Endangered	Small-leaved Tamarind	RF	Ballina	undefined	Likely	Major	Very High	2A	92;93
0	Environment	Endangered	Australasian Bittern	FNC BFMC	Byron	Ballina Coast and Hinterland;Central Byron Shire	Almost certain	Major	Extreme	1C	147
0	Environment	Endangered	Slender Marsdenia	Rainforest and WSF	Ballina	undefined	Likely	Major	Very High	2A	92;93
0	Environment	Endangered	EEC: Swamp sclerophyll forest on coastal floodplains	Pottsville wetlands	Tweed	undefined	Likely	Moderate	High	3A	147
0	Environment	Endangered	Acalypha	RF	Tweed	undefined	Likely	Major	Very High	2A	92;93
0	Environment	Endangered	EEC: Swamp Oak floodplain forest	Located across all FNC LGA's	Tweed	undefined	Unlikely	Moderate	Low	NA	147
0	Environment	Endangered	Hairy Quandong	Rainforest	Ballina	undefined	Likely	Catastrophic	Extreme	1B	92;93
0	Environment	Endangered	Shiny-Leaved Ebony	RF		undefined	Likely	Catastrophic	Extreme	1B	92;93
0	Environment	Endangered	Red Fruited Ebony	Riparian vegetation	Ballina	undefined	Unlikely	Major	Medium	4	92
0	Environment	Endangered	Brush Sauropus	Creeklines	Ballina	undefined	Unlikely	Major	Medium	4	92
0	Environment	Endangered	Davidson's Plum	Wet sclerophyll & Rainforest	Ballina	undefined	Likely	Catastrophic	Extreme	1B	92;93

**Appendix 2 Far North Coast Bush Fire Risk Management Plan Asset Register**

Map Ref No.	Asset type	Asset sub type	Asset name	Asset Location	LGA	Display area	Likelihood	Consequence	Risk	Priority	Treatment number
0	Environment	Endangered	Smooth Davidson's Plum	WSF and RF	Ballina	undefined	Likely	Major	Very High	2A	92;93
0	Environment	Endangered	Mitchell's Rainforest Snail	Lowland coastal areas	Ballina	undefined	Likely	Catastrophic	Extreme	1B	92;93;148
0	Environment	Endangered	Black-Breasted Button-Quail	Upland Wet Forest	Ballina	Western Tweed	Likely	Major	Very High	2A	93;147
0	Environment	Endangered	EEC: Themeda grassland on seacliffs and coastal headlands	Headlands along coastal strip across FNC LGA's	Tweed	undefined	Likely	Minor	Medium	4	147;148
0	Environment	Endangered	Loveridge's Frog	Creeks, higher altitude swamps, Far North Coast	Tweed	undefined	Likely	Major	Very High	2A	92;93;148
0	Environment	Endangered	EEC: Coastal cypress pine forest	Scattered area's across FNC LGA's	Tweed	undefined	Likely	Minor	Medium	4	147
0	Environment	Endangered	Giant Barred Frog	Far North Coast	Ballina	undefined	Unlikely	Major	Medium	4	148;92
0	Environment	Endangered	EEC: Byron Bay dwarf graminoid clay heath community	Byron Bay	Byron	undefined	Likely	Moderate	High	3A	147
0	Environment	Endangered	Southern Swamp Orchid	Swamp Sclerophyll, RF	Ballina	undefined	Likely	Major	Very High	2A	93;147
0	Environment	Endangered	EEC: Lowland Rainforest on floodplain	Stotts Islands and low level flood plains, below 10m contour line	Tweed	undefined	Likely	Moderate	High	3A	92
0	Environment	Endangered	Brush Cassia	Creeklines, RF		undefined	Unlikely	Major	Medium	4	92
0	Environment	Endangered	EEC: Littoral Rainforest	Coastal sands	Ballina	undefined	Unlikely	Major	Medium	4	92
0	Environment	Endangered	Sweet Myrtle	RF	Ballina	undefined	Likely	Major	Very High	2A	92;93
0	Environment	Endangered	EEC: Lowland Rainforest	Low foot hills, predominantly	Byron	undefined	Likely	Moderate	High	3A	92
0	Environment	Endangered	Southern Ochrosia	Rainforest	Ballina	undefined	Likely	Major	Very High	2A	92;93
0	Environment	Endangered	EEC: Freshwater wetlands on coastal floodplains	Tweed Coast	Tweed	undefined	Unlikely	Moderate	Low	NA	147
0	Environment	Endangered	Green-leaved Rose								
0	Environment	Endangered	Walnut	RF, WSF	Ballina	undefined	Likely	Major	Very High	2A	92;93
0	Environment	Endangered	Peach Myrtle	WSF, RF	Ballina	undefined	Likely	Major	Very High	2A	92;93
0	Environment	Endangered	Fleay's barred frog	Rainforest Reserves	Byron	Central Byron Shire	Likely	Major	Very High	2A	92;148;93
0	Environment	Endangered	Crystal Creek Walnut	RF, WSF coast and hinterland	Ballina	undefined	Likely	Major	Very High	2A	92;93
0	Environment	Endangered	Queensland Xylosma	Coastal rainforest	Ballina	undefined	Likely	Catastrophic	Extreme	1B	92;93
0	Environment	Endangered	EEC: Subtropical coastal floodplain forest	Floodplain across FNC LGA's	Tweed	undefined	Almost certain	Minor	High	3D	147
0	Environment	Endangered	Rainforest Cassia	RF	Ballina	undefined	Likely	Major	Very High	2A	92;93
0	Environment	Vulnerable	Green Thighed Frog	Far North Coast	Ballina	undefined	Possible	Minor	Low	NA	147
0	Environment	Vulnerable	Southern Myotis Bat	Far North Coast	Ballina	undefined	Almost certain	Moderate	Very High	2C	147;149
0	Environment	Vulnerable	Vulnerable Large-eared Pied Bat	Far North Coast	Ballina	undefined	Almost certain	Moderate	Very High	2C	147;149
0	Environment	Vulnerable	Golden Tipped Bat	Far North Coast	Ballina	undefined	Almost certain	Moderate	Very High	2C	147;149
0	Environment	Vulnerable	Eastern False Pipistrelle	Far North Coast	Ballina	undefined	Almost certain	Moderate	Very High	2C	147;149

**Appendix 2 Far North Coast Bush Fire Risk Management Plan Asset Register**

Map Ref No.	Asset type	Asset sub type	Asset name	Asset Location	LGA	Display area	Likelihood	Consequence	Risk	Priority	Treatment number
0	Environment	Vulnerable	Eastern Chestnut Mouse	Far North Coast	Ballina	undefined	Almost certain	Moderate	Very High	2C	147;148
0	Environment	Vulnerable	Eastern Bent Wing Bat	Far North Coast	Ballina	undefined	Unlikely	Moderate	Low	NA	147
0	Environment	Vulnerable	Three-Toad Snake	Far North Coast	Ballina	undefined	Likely	Moderate	High	3A	147;148
0	Environment	Vulnerable	Toothed Skink	Far North Coast	Ballina	undefined	Likely	Moderate	High	3A	147;148
0	Environment	Vulnerable	Giant Spear Lily	Wollumbin NP	Tweed	undefined	Unlikely	Moderate	Low	NA	92
0	Environment	Vulnerable	Stephens' Banded Snake	Far North Coast	Ballina	undefined	Almost certain	Moderate	Very High	2C	147;148
0	Environment	Vulnerable	Arrow-head Vine	Far North Coast	Ballina	undefined	Possible	Moderate	Medium	4	92
0	Environment	Vulnerable	Brown Tree Creeper	Far North Coast	Ballina	undefined	Possible	Moderate	Medium	4	147
0	Environment	Vulnerable	Grey Crowned Babbler	Far North Coast	Ballina	undefined	Possible	Minor	Low	NA	147
0	Environment	Vulnerable	Eastern Sub Species	Far North Coast	Ballina	undefined	Possible	Minor	Low	NA	147
0	Environment	Vulnerable	Eastern Osprey	Far North Coast	Ballina	undefined	Possible	Moderate	Medium	4	93
0	Environment	Vulnerable	Eastern Ground Parrot	Far North Coast	Ballina	undefined	Almost certain	Moderate	Very High	2C	147;93
0	Environment	Vulnerable	Sooty Owl	Far North Coast	Ballina	undefined	Unlikely	Moderate	Low	NA	92;149
0	Environment	Vulnerable	Brown Fairy Chain Orchid	Far North Coast	Tweed	undefined	Unlikely	Moderate	Low	NA	92
0	Environment	Vulnerable	Hairy Joint Grass	Far North Coast	Ballina	undefined	Almost certain	Minor	High	3D	147
0	Environment	Vulnerable	White Crowned Snake	Far North Coast	Ballina	undefined	Possible	Major	High	3B	148;147
0	Environment	Vulnerable	Durobby	RF, creeklines	Ballina	undefined	Likely	Major	Very High	2A	92;93
0	Environment	Vulnerable	Red Flowered King of the Fairies	Far North Coast	Tweed	undefined	Likely	Major	Very High	2A	147;148
0	Environment	Vulnerable	Pouched Frog	RF, WSF	Ballina	undefined	Likely	Moderate	High	3A	92;93
0	Environment	Vulnerable	Thorny Pea	RF and Riparian		Central Tweed	Likely	Major	Very High	2A	93;147
0	Environment	Vulnerable	Small-leaved Hazelwood	RF	Ballina	undefined	Likely	Major	Very High	2A	92;93
0	Environment	Vulnerable	Pretty Eyebright	RF, WSF	Tweed	undefined	Likely	Major	Very High	2A	93;92
0	Environment	Vulnerable	Fine-leaved Tuckeroo	RF	Tweed	undefined	Likely	Major	Very High	2A	92;93
0	Environment	Vulnerable	Yellow Satinheart	RF	Ballina	undefined	Likely	Major	Very High	2A	92;93
0	Environment	Vulnerable	Rough-shelled Bush Nut	RF	Ballina	undefined	Likely	Major	Very High	2A	92;93
0	Environment	Vulnerable	Red Bopple Nut	Far North Coast	Ballina	undefined	Unlikely	Moderate	Low	NA	147
0	Environment	Vulnerable	Ravine Orchid	Creeklines, RF, WSF	Ballina	undefined	Unlikely	Major	Medium	4	92
0	Environment	Vulnerable	Glenugie Karaka	Far North Coast	Ballina	undefined	Likely	Moderate	High	3A	147
0	Environment	Vulnerable	Red Lilly Pilly	RF, WSF creeklines	Ballina	undefined	Likely	Major	Very High	2A	92
0	Environment	Vulnerable	Onion Cedar	RF	Ballina	undefined	Likely	Major	Very High	2A	92;93
0	Environment	Vulnerable	Rusty Rose Walnut	RF	Ballina	undefined	Likely	Major	Very High	2A	92;93
0	Environment	Vulnerable	White Lace Flower	RF	Ballina	undefined	Likely	Major	Very High	2A	92;93
0	Environment	Vulnerable	Southern Fontainea	RF	Ballina	undefined	Likely	Major	Very High	2A	92;93
0	Environment	Vulnerable	Corokia	WSF, LRF, RF edge	Ballina	undefined	Likely	Major	Very High	2A	147;93
0	Environment	Vulnerable	Olongburra Frog	Swamps adjacent to heathlands	Ballina	Byron Bay and Hinterland;Central Tweed Coast	Almost certain	Major	Extreme	1C	147;148
0	Environment	Vulnerable	Jointed Baloghia	STRf; WSf	Ballina	Ballina Coast and Hinterland	Likely	Major	Very High	2A	92;93
0	Environment	Vulnerable	Marblewood	WSF and dry RF	Ballina	undefined	Likely	Major	Very High	2A	92;93
0	Environment	Vulnerable	Ball Nut	RF lowland	Ballina	undefined	Likely	Major	Very High	2A	92;93
0	Environment	Vulnerable	Olive Whistler	Far North Coast	Ballina	undefined	Unlikely	Moderate	Low	NA	92

**Appendix 2 Far North Coast Bush Fire Risk Management Plan Asset Register**

Map Ref No.	Asset type	Asset sub type	Asset name	Asset Location	LGA	Display area	Likelihood	Consequence	Risk	Priority	Treatment number
0	Environment	Vulnerable	Eastern Free-Tailed Bat	Far North Coast	Ballina	undefined	Almost certain	Moderate	Very High	2C	147;149
0	Environment	Vulnerable	Common Blossom Bat	Far North Coast	Ballina	undefined	Possible	Moderate	Medium	4	147
0	Environment	Vulnerable	Rufous Bettong	Far North Coast	Ballina	undefined	Possible	Moderate	Medium	4	147
0	Environment	Vulnerable	Long Nosed Potoroo	Far North Coast	Ballina	undefined	Almost certain	Major	Extreme	1C	147;148;93
0	Environment	Vulnerable	Koala	Far North Coast	Tweed	undefined	Almost certain	Major	Extreme	1C	147;93;150
0	Environment	Vulnerable	Pygmy Possum	Far North Coast	Ballina	undefined	Almost certain	Moderate	Very High	2C	147;149
0	Environment	Vulnerable	Squirrel Glider	Far North Coast	Ballina	undefined	Almost certain	Moderate	Very High	2C	147;149
0	Environment	Vulnerable	Common Planigale	Far North Coast	Ballina	undefined	Almost certain	Moderate	Very High	2C	147;148
0	Environment	Vulnerable	Wallum Froglet	Coastal swamps and wetlands	Ballina	undefined	Almost certain	Moderate	Very High	2C	93;147;148
0	Environment	Vulnerable	Speckled Warbler	Far North Coast	Tweed	undefined	Possible	Moderate	Medium	4	147;148
0	Environment	Vulnerable	Little Bent-wing Bat	Far North Coast	Ballina	undefined	Almost certain	Moderate	Very High	2C	147;149
0	Environment	Vulnerable	Rufous Scrub Bird	Far North Coast	Ballina	undefined	Unlikely	Moderate	Low	NA	92
0	Environment	Vulnerable	Glossy Black Cockatoo	Far North Coast	Ballina	undefined	Possible	Moderate	Medium	4	147;149
0	Environment	Vulnerable	Eastern Grass Owl	Far North Coast	Ballina	undefined	Almost certain	Moderate	Very High	2C	147;148
0	Environment	Vulnerable	Masked Owl	Far North Coast	Ballina	undefined	Possible	Moderate	Medium	4	147;149
0	Environment	Vulnerable	Powerful Owl	Far North Coast	Ballina	undefined	Possible	Moderate	Medium	4	147;149
0	Environment	Vulnerable	Barking Owl	Far North Coast	Tweed	undefined	Possible	Moderate	Medium	4	147;149
0	Environment	Vulnerable	Pointed Trefoil	OEH estate	Byron	undefined	Unlikely	Catastrophic	High	3C	92;148
0	Environment	Vulnerable	Dark Greenhood Orchard	Arakwal & Broken Head NPWS	Byron	undefined	Likely	Major	Very High	2A	147;148
0	Environment	Vulnerable	Stinking Cryptocarya	Littoral RF	Ballina	undefined	Likely	Major	Very High	2A	92;93
0	Environment	Vulnerable	Diamond Fire Tail	Far North Coast	Ballina	undefined	Possible	Minor	Low	NA	147
0	Cultural	Aboriginal Significance	Site Group Three Sites	Far North Coast	Ballina	Byron Bay and Hinterland;Central Tweed Coast;North East Tweed;Western Tweed	Likely	Catastrophic	Extreme	1B	117;161
0	Cultural	Aboriginal Significance	Site Group Five Sites	Far North Coast	Ballina	Ballina Coast and Hinterland;Central Tweed Coast	Unlikely	Major	Medium	4	117;161
0	Cultural	Aboriginal Significance	Site Group One Sites	Far North Coast	Ballina	Central Tweed Coast;North East Tweed;Western Tweed	Likely	Major	Very High	2A	117;161
0	Cultural	Aboriginal Significance	Site Group Two Sites	Far North Coast	Tweed	undefined	Likely	Moderate	High	3A	117;161
0	Cultural	Aboriginal Significance	Site Group Four Sites	Far North Coast	Tweed	undefined	Likely	Moderate	High	3A	117;161
1	Human Settlement	Special Fire Protection	Lennox Head Tourist Facilities	North of Lennox Head	Ballina	Ballina Coast and Hinterland	Almost certain	Major	Extreme	1C	23;27;100
2	Human Settlement	Residential	Jones Road Yelgun	Wooyung/Yelgun	Byron	Nth Byron Shire and SE Tweed	Likely	Catastrophic	Extreme	1B	158;159

**Appendix 2 Far North Coast Bush Fire Risk Management Plan Asset Register**

Map Ref No.	Asset type	Asset sub type	Asset name	Asset Location	LGA	Display area	Likelihood	Consequence	Risk	Priority	Treatment number
4	Human Settlement	Residential	Tanglewood	Clothiers Creek Road	Tweed	Central Tweed Coast	Likely	Major	Very High	2A	83
5	Human Settlement	Residential	Farrants Hill and Nunderi	Farrants Hill, Eviron and Nunderi	Tweed	Central Tweed	Possible	Catastrophic	Very High	2B	5
6	Human Settlement	Special Fire Protection	Mountain View Retirement Village	Ingram Place Murwillumbah	Tweed	Central Tweed	Likely	Major	Very High	2A	156
7	Human Settlement	Residential	Multiple Occupancies	Tweed and Byron Shires	Tweed	Byron Bay and Hinterland;Central Byron Shire;Central Tweed;Western Tweed	Likely	Catastrophic	Extreme	1B	4;8;160
8	Human Settlement	Residential	Skinners Shoot	Byron Bay	Byron	Byron Bay and Hinterland	Likely	Catastrophic	Extreme	1B	151
10	Environment	Endangered	Coast Euodia	Rainforest	Tweed	Western Tweed	Likely	Catastrophic	Extreme	1B	92;93
11	Human Settlement	Special Fire Protection	Bogangar Primary	Tweed Coast Road Bogangar	Tweed	Central Tweed Coast	Unlikely	Moderate	Low	NA	2;63;54
12	Human Settlement	Special Fire Protection	Ocean Shores PS	Shara Boulevard	Byron	Nth Byron Shire and SE Tweed	Likely	Major	Very High	2A	162;84;54
13	Human Settlement	Residential	North Ocean Shores	North Ocean Shores area	Byron	Nth Byron Shire and SE Tweed	Almost certain	Major	Extreme	1C	69;2;84
14	Human Settlement	Special Fire Protection	South Ballina Caravan Park	South Ballina	Ballina	Ballina Coast and Hinterland	Likely	Major	Very High	2A	41;51
15	Human Settlement	Residential	Wardell and Surrounds	Wardell	Ballina	Ballina Coast and Hinterland	Almost certain	Moderate	Very High	2C	10;24;41
16	Human Settlement	Special Fire Protection	Sandalwood Caravan Park	Pimlico Road Pimlico	Ballina	Ballina Coast and Hinterland	Likely	Major	Very High	2A	35;62
18	Human Settlement	Residential	Bogangar and Cabarita	Bogangar and Cabarita	Tweed	Central Tweed Coast	Almost certain	Moderate	Very High	2C	2;63
19	Human Settlement	Special Fire Protection	Wooyung Caravan Park	Wooyung	Tweed	Nth Byron Shire and SE Tweed	Likely	Major	Very High	2A	62
20	Economic	Tourist and Recreational	Minjungbal Cultural Centre	Tweed Heads	Tweed	North East Tweed	Likely	Moderate	High	3A	64
23	Human Settlement	Residential	Fig Tree Hill	Fig Tree Hill Drive Lennox Head	Ballina	Ballina Coast and Hinterland	Likely	Major	Very High	2A	11;39;160
24	Human Settlement	Residential	South Ballina Isolated Rural Dwellings	South Ballina	Ballina	Ballina Coast and Hinterland	Likely	Major	Very High	2A	41;160
25	Human Settlement	Residential	Sanctuary Village Area	Ross Lane Lennox Head	Ballina	Ballina Coast and Hinterland	Likely	Major	Very High	2A	12;85;160
26	Human Settlement	Residential	Skennars Head	East Ballina and Angels Beach area	Ballina	Ballina Coast and Hinterland	Likely	Moderate	High	3A	27;96
27	Human Settlement	Special Fire Protection	Hastings Point SFPDs	Hastings Point	Tweed	Central Tweed Coast	Likely	Major	Very High	2A	83;64
28	Human Settlement	Residential	Pottsville Waters and Blackrocks Estate	Pottsville	Tweed	Central Tweed Coast	Likely	Moderate	High	3A	27;3
29	Human Settlement	Residential	New Brighton	New Brighton	Byron	Nth Byron Shire and SE Tweed	Almost certain	Major	Extreme	1C	64
30	Human Settlement	Residential	Brunswick Heads	Brunswick Heads	Byron	Central Byron Shire	Almost certain	Moderate	Very High	2C	63;64
31	Human Settlement	Residential	Patches Beach	South Ballina	Ballina	Ballina Coast and Hinterland	Unlikely	Major	Medium	4	38;3

**Appendix 2 Far North Coast Bush Fire Risk Management Plan Asset Register**

Map Ref No.	Asset type	Asset sub type	Asset name	Asset Location	LGA	Display area	Likelihood	Consequence	Risk	Priority	Treatment number
32	Human Settlement	Special Fire Protection	Flat Rock Camping Ground	Ballina	Ballina	Ballina Coast and Hinterland	Likely	Catastrophic	Extreme	1B	101;102
33	Human Settlement	Special Fire Protection	Dunes Tourist Facility	East Ballina	Ballina	Ballina Coast and Hinterland	Likely	Major	Very High	2A	143;144
34	Human Settlement	Residential	Bilambil Heights Peninsula	Peninsula and Scenic Drives Bilambil	Tweed	North East Tweed	Likely	Major	Very High	2A	108;77
35	Human Settlement	Residential	Suffolk Park	Suffolk Park and Byron Hills	Byron	Byron Bay and Hinterland	Almost certain	Major	Extreme	1C	2;135
36	Human Settlement	Special Fire Protection	Suffolk Park SFPDs	Suffolk Park	Byron	Byron Bay and Hinterland	Likely	Major	Very High	2A	2;54;62
37	Human Settlement	Residential	Cumbebin Swamp Interface	Byron Bay	Byron	Byron Bay and Hinterland	Almost certain	Catastrophic	Extreme	1A	60;63;126;127
38	Human Settlement	Special Fire Protection	SFPDs adjacent to Cumbebin Swamp	Byron Bay	Byron	Byron Bay and Hinterland	Almost certain	Catastrophic	Extreme	1A	60;62;157
39	Human Settlement	Residential	Arakwal Interface	Byron Bay	Byron	Byron Bay and Hinterland	Almost certain	Major	Extreme	1C	111;136
40	Human Settlement	Special Fire Protection	Arakwal Interface SFPDs	Byron Bay	Byron	Byron Bay and Hinterland	Almost certain	Catastrophic	Extreme	1A	62;111
41	Human Settlement	Special Fire Protection	North Byron SFPDs	Byron Bay	Byron	Byron Bay and Hinterland	Likely	Major	Very High	2A	58;60
42	Human Settlement	Residential	Sunrise Beach Area	Byron Bay	Byron	Byron Bay and Hinterland	Likely	Major	Very High	2A	58;60;109
43	Human Settlement	Special Fire Protection	Broken Head Tourist Facilities	Broken Head	Byron	Byron Bay and Hinterland	Likely	Major	Very High	2A	62
44	Human Settlement	Residential	Broken Head	Broken Head	Byron	Byron Bay and Hinterland	Almost certain	Catastrophic	Extreme	1A	113
45	Human Settlement	Special Fire Protection	Bundaleer Retreat	Seven Mile Beach Broken Head	Ballina	Byron Bay and Hinterland	Likely	Moderate	High	3A	39;103
46	Human Settlement	Special Fire Protection	Tweed Heads South SFPD	Drydock Road area	Tweed	North East Tweed	Possible	Major	High	3B	33
47	Economic	Infrastructure	Communications Towers Tweed, Byron & Ballina	Tweed, Byron & Ballina LGAs	Tweed	Ballina Coast and Hinterland;Byron Bay and Hinterland;Central Tweed;Western Tweed	Likely	Major	Very High	2A	146
51	Human Settlement	Residential	Barrett Estate	Barrett Drive, Lennox Head	Ballina	Ballina Coast and Hinterland	Almost certain	Moderate	Very High	2C	18;41;100
53	Economic	Tourist and Recreational	Wollumbin Scout Camp	Cudgen	Tweed	Central Tweed Coast	Likely	Minor	Medium	4	2
54	Economic	Commercial	Hastings Point WWTP	Round Mountain	Tweed	Central Tweed Coast	Unlikely	Moderate	Low	NA	124
55	Human Settlement	Residential	Koala Beach	Pottsville	Tweed	Central Tweed Coast	Likely	Moderate	High	3A	13;26;154
56	Human Settlement	Residential	Seabreeze Estate	Pottsville	Tweed	Central Tweed Coast	Likely	Moderate	High	3A	138;154
57	Human Settlement	Residential	Ocean Shores	Ocean Shores	Byron	Nth Byron Shire and SE Tweed	Likely	Major	Very High	2A	107;137
58	Human Settlement	Special Fire Protection	Ferry Boat Road Tourist Facilities	West Ballina	Ballina	Ballina Coast and Hinterland	Unlikely	Moderate	Low	NA	48
59	Human Settlement	Residential	Cape Byron Interface	Byron Bay	Byron	Byron Bay and Hinterland	Likely	Moderate	High	3A	64



**Appendix 2 Far North Coast Bush Fire Risk Management Plan Asset Register**

Map Ref No.	Asset type	Asset sub type	Asset name	Asset Location	LGA	Display area	Likelihood	Consequence	Risk	Priority	Treatment number
60	Human Settlement	Special Fire Protection	Cape Byron SFPDs	Byron Bay	Byron	Byron Bay and Hinterland	Likely	Catastrophic	Extreme	1B	62;64;72
62	Human Settlement	Special Fire Protection	Thursday Plantation	Gallans Road Ballina	Ballina	Ballina Coast and Hinterland	Likely	Moderate	High	3A	98;81
65	Economic	Infrastructure	Ballina - Byron Gateway Airport	Ballina	Ballina	Ballina Coast and Hinterland	Unlikely	Major	Medium	4	99
66	Economic	Infrastructure	Ballina Waste Management Facility	Ballina	Ballina	Ballina Coast and Hinterland	Likely	Moderate	High	3A	81
67	Human Settlement	Special Fire Protection	Mt Warning Caravan Park	Mt Warning	Tweed	Central Tweed	Unlikely	Major	Medium	4	62
68	Economic	Commercial	Tweed Heads WWTP	Tweed Heads West	Tweed	North East Tweed	Unlikely	Moderate	Low	NA	124
69	Economic	Commercial	Banora Point WWTP	Banora Point	Tweed	North East Tweed	Likely	Moderate	High	3A	124
70	Economic	Drinking Water Catchment	Clarrie Hall Dam Catchment	Doon Doon	Tweed	Central Tweed;Western Tweed	Likely	Moderate	High	3A	41
73	Economic	Commercial	Byron WWTPs	West Byron, Mullumbimby, Oceans Shores, Brunswick Heads, Bangalow	Byron	Byron Bay and Hinterland	Likely	Moderate	High	3A	124
74	Human Settlement	Other	Mullumbimby Industrial Estate	Mullumbimby	Byron	Central Byron Shire	Likely	Moderate	High	3A	33
75	Economic	Tourist and Recreational	Tweed Shire Hinterland Tourism Industry	Midginbil Hill Farmstay,	Tweed	Central Tweed;Western Tweed	Likely	Moderate	High	3A	2;62
76	Economic	Commercial Forest	Private Forestry Plantations	Tweed and Byron Shires	Tweed	Central Tweed;Central Tweed Coast;North East Tweed;Western Tweed	Likely	Major	Very High	2A	112
77	Human Settlement	Special Fire Protection	Bangalore Retreat		Tweed	North East Tweed	Unlikely	Moderate	Low	NA	156
78	Human Settlement	Residential	Fingal Head Area	Letitia Spit Fingal Head, Muphys Road Kingscliff	Tweed	North East Tweed	Likely	Major	Very High	2A	16;25
79	Human Settlement	Special Fire Protection	Fingal Head SFPD	Fingal Road	Tweed	North East Tweed	Possible	Major	High	3B	62;16
80	Human Settlement	Special Fire Protection	SeaBreeze Caravan Park	South Ballina	Ballina	Ballina Coast and Hinterland	Likely	Major	Very High	2A	41;81
81	Human Settlement	Residential	Mt Nullum Area	Glennock, Braeside, Bakers Roads, Boulder Close, Stokers Siding, Smiths Creek	Tweed	Central Tweed	Unlikely	Major	Medium	4	81
83	Environment	Endangered	Giant Fern	Wet Sclerophyll & Rainforest creek lines	Tweed	Central Tweed Coast	Likely	Catastrophic	Extreme	1B	92;93;148
84	Human Settlement	Special Fire Protection	Cabarita Sports Club	Cabarita Road	Tweed	Central Tweed Coast	Unlikely	Moderate	Low	NA	
85	Human Settlement	Residential	Pacific Pines Estate Lennox Head	Pacific Pines, Elevation and Aspects subdivisions	Ballina	Ballina Coast and Hinterland	Unlikely	Moderate	Low	NA	18;33
86	Human Settlement	Residential	Pottsville Coast	east of Coast Road Pottsville	Tweed	Central Tweed Coast	Possible	Moderate	Medium	4	18
87	Human Settlement	Special Fire Protection	Pottsville SFPDs	Pottsville	Tweed	Central Tweed Coast	Unlikely	Major	Medium	4	31
88	Human Settlement	Residential	Pottsville - Mooball Road	Pottsville	Tweed	Central Tweed Coast	Possible	Major	High	3B	160
89	Human Settlement	Residential	South Kingscliff, Casuarina	East of Coast Road south of Kingscliff	Tweed	Central Tweed Coast	Possible	Moderate	Medium	4	2
90	Human Settlement	Residential	Billinudgel	Billinudgel and surrounds	Byron	Nth Byron Shire and SE Tweed	Possible	Moderate	Medium	4	33

**Appendix 2 Far North Coast Bush Fire Risk Management Plan Asset Register**

Map Ref No.	Asset type	Asset sub type	Asset name	Asset Location	LGA	Display area	Likelihood	Consequence	Risk	Priority	Treatment number
91	Human Settlement	Residential	Tyagarah	east of highway Tyagarah, Prestons, Greys and Tandys Lane	Byron	Central Byron Shire	Unlikely	Major	Medium	4	64
93	Human Settlement	Special Fire Protection	Southern Cross K-12	Ballina	Ballina	Ballina Coast and Hinterland	Likely	Major	Very High	2A	54
94	Human Settlement	Residential	Cumalum Area	East of Pacific Highway Ballina, including Ballina Hts estate	Ballina	Ballina Coast and Hinterland	Unlikely	Moderate	Low	NA	18;41
95	Human Settlement	Residential	West Lennox Village	Adjacent to Byron Bay Road (Coast Road bypass)	Ballina	Ballina Coast and Hinterland	Unlikely	Major	Medium	4	33
96	Human Settlement	Residential	Chillingham Village	Chillingham	Tweed	Western Tweed	Possible	Moderate	Medium	4	88
97	Human Settlement	Residential	Terranora Escarpment	Bilambil Heights, Terranora	Tweed	North East Tweed	Unlikely	Major	Medium	4	77
98	Economic	Commercial	Incitec depot	Wardell	Ballina	Ballina Coast and Hinterland	Likely	Moderate	High	3A	155
99	Human Settlement	Residential	Burringbar Village	Burringbar	Tweed	Nth Byron Shire and SE Tweed	Possible	Moderate	Medium	4	90
100	Human Settlement	Special Fire Protection	Palm Lake Resort	Barneys Point	Tweed	North East Tweed	Likely	Major	Very High	2A	62
101	Human Settlement	Residential	Kingscliff Area	Kingscliff, Chinderah area	Tweed	North East Tweed	Unlikely	Major	Medium	4	109
102	Human Settlement	Special Fire Protection	Kingscliff schools	Kingscliff	Tweed	North East Tweed	Likely	Major	Very High	2A	156
103	Human Settlement	Special Fire Protection	Duranbah Public School	Duranbah	Tweed	Central Tweed Coast	Likely	Major	Very High	2A	156
104	Economic	Commercial	Hardings Saw Mill	Uki	Tweed	Central Tweed	Unlikely	Moderate	Low	NA	
105	Human Settlement	Residential	Ferry Boat Road West Ballina	West Ballina	Ballina	Ballina Coast and Hinterland	Likely	Minor	Medium	4	47;48
106	Human Settlement	Other	Billinudgel Industrial Estate	Billinudgel	Byron	Nth Byron Shire and SE Tweed	Possible	Moderate	Medium	4	33
108	Economic	Commercial	Uki WWTP	Uki	Tweed	Central Tweed	Unlikely	Moderate	Low	NA	124
109	Human Settlement	Special Fire Protection	Ferry Reserve Caravan Park	Brunswick Heads	Byron	Central Byron Shire	Unlikely	Major	Medium	4	62
110	Human Settlement	Residential	Uki Village	Uki	Tweed	Central Tweed	Possible	Minor	Low	NA	33
112	Human Settlement	Residential	South Side of Lennox Village	various	Ballina	Ballina Coast and Hinterland	Unlikely	Minor	Low	NA	41
113	Human Settlement	Residential	Hastings Point Village	Hastings Point	Tweed	Central Tweed Coast	Possible	Moderate	Medium	4	85
114	Human Settlement	Special Fire Protection	Pocket and Billinudgel PS	West of Highway	Byron	Nth Byron Shire and SE Tweed	Unlikely	Moderate	Low	NA	
115	Human Settlement	Residential	Meadows Estate	South of Coast Road Lennox head	Ballina	Ballina Coast and Hinterland	Unlikely	Moderate	Low	NA	33
116	Human Settlement	Residential	Assets Adjoining Isolated Bushland Areas Ballina	North Creek, Ballina Water Tower area, Fishery Creek, West Ballina	Ballina	Ballina Coast and Hinterland	Unlikely	Moderate	Low	NA	33
117	Human Settlement	Special Fire Protection	Holy Family Primary School	Skennars Head	Ballina	Ballina Coast and Hinterland	Unlikely	Moderate	Low	NA	
118	Human Settlement	Special Fire Protection	Ballina Gardens Caravan Park	Ballina	Ballina	Ballina Coast and Hinterland	Unlikely	Moderate	Low	NA	

**Appendix 2 Far North Coast Bush Fire Risk Management Plan Asset Register**

Map Ref No.	Asset type	Asset sub type	Asset name	Asset Location	LGA	Display area	Likelihood	Consequence	Risk	Priority	Treatment number
119	Human Settlement	Other	Ballina Industrial Estate	Ballina	Ballina	Ballina Coast and Hinterland	Possible	Moderate	Medium	4	33
120	Human Settlement	Special Fire Protection	Alstonville High School	Alstonville	Ballina	Ballina Coast and Hinterland	Unlikely	Major	Medium	4	54
121	Human Settlement	Special Fire Protection	Fernleigh Primary School		Ballina	Byron Bay and Hinterland	Unlikely	Moderate	Low	NA	
122	Human Settlement	Residential	Crabbes Creek and Mooball Villages	Crabbes Creek and Mooball	Tweed	Nth Byron Shire and SE Tweed	Possible	Moderate	Medium	4	140
123	Human Settlement	Residential	Murwillumbah Area	Murwillumbah	Tweed	Central Tweed	Possible	Moderate	Medium	4	141
124	Human Settlement	Special Fire Protection	Murwillumbah Hospital	Murwillumbah	Tweed	Central Tweed	Unlikely	Moderate	Low	NA	
125	Human Settlement	Residential	Tyalgum Village	Tyalgum	Tweed	Western Tweed	Likely	Minor	Medium	4	33
126	Human Settlement	Residential	Bilambil Village	Bilambil	Tweed	North East Tweed	Possible	Minor	Low	NA	33
127	Human Settlement	Residential	Baywood Chase	Suffolk Park	Byron	Byron Bay and Hinterland	Possible	Moderate	Medium	4	142
128	Human Settlement	Other	Sunrise Industrial Estate	Byron Bay	Byron	Byron Bay and Hinterland	Possible	Moderate	Medium	4	58;60;33
129	Economic	Infrastructure	Ballina Council Depot	Southern Cross Drive Ballina	Ballina	Ballina Coast and Hinterland	Unlikely	Moderate	Low	NA	124
130	Human Settlement	Special Fire Protection	Richmond Christian College	Pacific Hwy Ballina	Ballina	Ballina Coast and Hinterland	Unlikely	Moderate	Low	NA	
131	Economic	Commercial	Ballina WWTP	Fishery Creek Ballina	Ballina	Ballina Coast and Hinterland	Unlikely	Moderate	Low	NA	124
133	Economic	Infrastructure	Emigrant Creek Dam	Brooklet	Ballina	Byron Bay and Hinterland	Unlikely	Major	Medium	4	165
134	Economic	Infrastructure	Marom Creek Weir	Marom Creek	Ballina	Ballina Coast and Hinterland	Unlikely	Moderate	Low	NA	124
135	Economic	Commercial	Murwillumbah WWTP	Murwillumbah	Tweed	Central Tweed	Unlikely	Moderate	Low	NA	124
136	Economic	Infrastructure	Murwillumbah Airfield	Murwillumbah	Tweed	Central Tweed	Unlikely	Minor	Low	NA	99
137	Human Settlement	Special Fire Protection	Wardell Primary School	Wardell	Ballina	Ballina Coast and Hinterland	Unlikely	Moderate	Low	NA	
138	Human Settlement	Special Fire Protection	Corks Lane Independent Living	North Creek	Ballina	Ballina Coast and Hinterland	Unlikely	Moderate	Low	NA	
139	Human Settlement	Other	Bangalow Industrial Estate	Bangalow	Byron	Byron Bay and Hinterland	Unlikely	Minor	Low	NA	33
140	Economic	Infrastructure	Tyagarah Airfield	Tyagarah	Byron	Central Byron Shire	Possible	Minor	Low	NA	99
141	Human Settlement	Special Fire Protection	Wommin Bay Village	Murphys Road Kingscliff	Tweed	North East Tweed	Likely	Catastrophic	Extreme	1B	25;75
142	Economic	Commercial	Lennox Head WWTP	Lennox Head	Ballina	Ballina Coast and Hinterland	Likely	Moderate	High	3A	124
143	Economic	Commercial	Wardell WWTP	Wardell	Ballina	Ballina Coast and Hinterland	Likely	Moderate	High	3A	124
144	Human Settlement	Other	Chinderah industrial Estate	Chinderah	Tweed	North East Tweed	Unlikely	Moderate	Low	NA	33

**Appendix 2 Far North Coast Bush Fire Risk Management Plan Asset Register**

Map Ref No.	Asset type	Asset sub type	Asset name	Asset Location	LGA	Display area	Likelihood	Consequence	Risk	Priority	Treatment number
145	Human Settlement	Residential	Stokers Siding	East of Tweed Valley Way, Stokers Siding	Tweed	Central Tweed	Likely	Moderate	High	3A	80;158
146	Human Settlement	Special Fire Protection	Tamarind Ave Interface SFPD	Tamarind Ave Bogangar	Tweed	Central Tweed Coast	Likely	Major	Very High	2A	2
147	Human Settlement	Residential	Currumbin (Qld)	Assets adjoining the QLD/NSW border	Tweed	North East Tweed	Likely	Minor	Medium	4	152
148	Human Settlement	Special Fire Protection	Upper Coopers Creek Primary School	Upper Coopers Creek	Byron	Central Byron Shire	Unlikely	Major	Medium	4	54
149	Human Settlement	Residential	Tomewin - Isolated rural dwellings	Tomewin Mountain	Tweed	Central Tweed	Likely	Catastrophic	Extreme	1B	129
150	Human Settlement	Residential	Main Arm	Main Arm	Byron	Central Byron Shire	Likely	Moderate	High	3A	139
151	Human Settlement	Residential	Upper Main Arm	Upper Main Arm	Byron	Central Byron Shire	Almost certain	Catastrophic	Extreme	1A	128
152	Human Settlement	Residential	Koonyum Range	Koonyum Range	Byron	Central Byron Shire	Likely	Catastrophic	Extreme	1B	130;131
153	Human Settlement	Residential	Upper Coopers Creek	Upper Coopers Creek	Byron	Central Byron Shire	Likely	Catastrophic	Extreme	1B	132
154	Human Settlement	Residential	Goonengerry	Goonengerry	Byron	Central Byron Shire	Likely	Catastrophic	Extreme	1B	133
155	Human Settlement	Residential	Piggabean	Piggabean	Tweed	North East Tweed	Possible	Moderate	Medium	4	33
156	Human Settlement	Residential	Palmwood Multiple Occupancy	Palmwood	Byron	Central Byron Shire	Likely	Catastrophic	Extreme	1B	134
157	Human Settlement	Residential	Linnaeus Retreat	Broken Head	Byron	Byron Bay and Hinterland	Unlikely	Moderate	Low	NA	5
158	Human Settlement	Special Fire Protection	North Byron Parklands	Yelgun	Byron	Nth Byron Shire and SE Tweed	Likely	Moderate	High	3A	145
159	Human Settlement	Special Fire Protection	Blues Fest Site	Tyagarah	Byron	Central Byron Shire	Likely	Moderate	High	3A	145
160	Human Settlement	Other	NSP: Murwillumbah Golf Club	Byangum Road, Murwillumbah	Tweed	Central Tweed	Unlikely	Moderate	Low	NA	166
161	Human Settlement	Other	NSP: Condong Bowling Club Carpark	McLeods Street, Condong	Tweed	Central Tweed	Unlikely	Moderate	Low	NA	166
162	Human Settlement	Other	NSP: Tweed Valley Respite Centre	Jack Williams Place, Dungay	Tweed	Central Tweed	Unlikely	Moderate	Low	NA	166
163	Human Settlement	Other	NSP: Tyalgum Sports Field	Coolman Street, Tyalgum	Tweed	Western Tweed	Unlikely	Moderate	Low	NA	166
164	Human Settlement	Other	NSP: Tom O'Connor Reserve	Fourth Avenue, Burringbar	Tweed	Nth Byron Shire and SE Tweed	Unlikely	Moderate	Low	NA	166
165	Human Settlement	Other	NSP: Tumbulgum Primary School	11 Fawcett Street, Tumbulgum	Tweed	Central Tweed	Unlikely	Moderate	Low	NA	166
166	Human Settlement	Other	NSP: Hastings Point Foreshore Park	Tweed Coast Way, Hastings Point (opposite Hastings Point Holiday Park)	Tweed	Central Tweed Coast	Unlikely	Moderate	Low	NA	166
167	Human Settlement	Other	NSP: Council Park	Philip Street, Pottsville	Ballina	Central Tweed Coast	Unlikely	Moderate	Low	NA	166
168	Human Settlement	Other	NSP: Tweed River Showground	Corner Moobal Street and Queensland Road, Murwillumbah	Tweed	Central Tweed	Unlikely	Moderate	Low	NA	166
169	Human Settlement	Other	NSP: Barbara Rochester Park	Tallowood Avenue, Cabarita	Tweed	Central Tweed Coast	Unlikely	Moderate	Low	NA	166

**Appendix 2 Far North Coast Bush Fire Risk Management Plan Asset Register**

Map Ref No.	Asset type	Asset sub type	Asset name	Asset Location	LGA	Display area	Likelihood	Consequence	Risk	Priority	Treatment number
170	Human Settlement	Other	NSP: Tumbulgum Sports Fields	Bawden Street, Tumbulgum	Tweed	Central Tweed	Unlikely	Moderate	Low	NA	166
171	Human Settlement	Other	NSP: Murwillumbah Information Centre	Wollumbin Street, Murwillumbah	Tweed	Central Tweed	Unlikely	Major	Medium	4	166
172	Human Settlement	Other	NSP: Banner Park	Mullumbimby Street Brunswick Heads	Byron	Central Byron Shire	Unlikely	Moderate	Low	NA	166
173	Human Settlement	Other	NSP: Byron Bay Golf Club	Broken Head Road Byron Bay	Byron	Byron Bay and Hinterland	Unlikely	Moderate	Low	NA	166
174	Human Settlement	Other	NSP: Byron Bay Surf Club	Bay Street Byron Bay	Byron	Byron Bay and Hinterland	Unlikely	Moderate	Low	NA	166
175	Human Settlement	Other	NSP: Byron Regional Sport and Cultural Complex	Ewingsdale Road Byron Bay	Ballina	Byron Bay and Hinterland	Unlikely	Moderate	Low	NA	166
176	Human Settlement	Other	NSP: Council Depot and Training Rooms	Bayshore Drive Byron Bay	Byron	Byron Bay and Hinterland	Unlikely	Moderate	Low	NA	166
177	Human Settlement	Other	NSP: Durrumbul Primary School	Durrumbul Road Main Arm	Byron	Central Byron Shire	Unlikely	Moderate	Low	NA	166
178	Human Settlement	Other	NSP: Ocean Shores Country Club	Orana Road Ocean Shores	Byron	Nth Byron Shire and SE Tweed	Unlikely	Moderate	Low	NA	166
179	Human Settlement	Other	NSP: The Pocket Primary School	541 The Pocket Road, The Pocket	Byron	Nth Byron Shire and SE Tweed	Unlikely	Moderate	Low	NA	166
180	Human Settlement	Other	NSP: West Ballina Rugby Grounds	Kalinga Street West Ballina	Ballina	Ballina Coast and Hinterland	Unlikely	Moderate	Low	NA	166
181	Human Settlement	Other	NSP: Williams Reserve, Lennox Head	Park Lane, Lennox Head	Ballina	Ballina Coast and Hinterland	Unlikely	Moderate	Low	NA	166
182	Human Settlement	Other	NSP: Wardell Hall	Richmond Street, Wardell	Ballina	Ballina Coast and Hinterland	Unlikely	Moderate	Low	NA	166
183	Human Settlement	Other	NSP: Ballina Airport Carpark	Southern Cross Drive, Ballina	Ballina	Ballina Coast and Hinterland	Unlikely	Moderate	Low	NA	166
184	Human Settlement	Other	NSP: Wardell Public School	Richmond Street, Wardell	Ballina	Ballina Coast and Hinterland	Unlikely	Moderate	Low	NA	166
185	Human Settlement	Other	NSP: McLeans Ridges Hall	Cnr Cowlong Road and McLeans Ridges Road, McLeans Ridges	Ballina	Ballina Coast and Hinterland	Unlikely	Moderate	Low	NA	166
186	Human Settlement	Other	NSP: Emmanuel Anglican College	Corner of River Street and Horizon Drive, West Ballina	Ballina	Ballina Coast and Hinterland	Unlikely	Moderate	Low	NA	166
187	Human Settlement	Other	NSP: Ballina Golf Club	Jameson Avenue, East Ballina	Ballina	Ballina Coast and Hinterland	Unlikely	Moderate	Low	NA	166
188	Human Settlement	Other	NSP: Pop Dennison Park	Compton Drive, Shaws Bay	Ballina	Ballina Coast and Hinterland	Unlikely	Moderate	Low	NA	166
189	Human Settlement	Other	NSP: Prospect Lake Park	Links Avenu (Near Chickiba Drive), East Ballina	Ballina	Ballina Coast and Hinterland	Unlikely	Moderate	Low	NA	166
190	Human Settlement	Other	NSP: Headland Reserve	Headland Drive, Skennars Head	Ballina	Ballina Coast and Hinterland	Unlikely	Moderate	Low	NA	166

## **Appendix 3 Treatment Register**





Priority (Risk Rating)	Asset ID	Asset Name	Class	Asset Location	Subclass	Strategy	Treatment ID	Action Description	Responsible Agencies	Other RA	Support Agencies	Other SA	1718	1819	1920	2021	2122																			
1C (Extreme)	0	Long Nosed Potoroo	Environmental	Far North Coast	Vulnerable	Hazard Reduction	147	Implement appropriate fire regimes	TI CL;LGA;OEH;Private;RMS;DPI;Defence;ARTC;Other	LALC			[1718]	[1819]	[1920]	[2021]	[2122]																			
						Preparedness	148	Avoid ground disturbance in known locations	TI CL;LGA;OEH;Private		FRNSW;RFS	[1718]	[1819]	[1920]	[2021]	[2122]																				
		Olongburra Frog		Swamps adjacent to heathlands		Hazard Reduction	147	Implement appropriate fire regimes	TI CL;LGA;OEH;Private;RMS;DPI;Defence;ARTC;Other	LALC					[1718]	[1819]	[1920]	[2021]	[2122]																	
						Preparedness	148	Avoid ground disturbance in known locations	TI CL;LGA;OEH;Private		FRNSW;RFS	[1718]	[1819]	[1920]	[2021]	[2122]																				
						Hazard Reduction	23	Implement Strategic Fire Advantage Zones	TI CL;LGA		RFS	[1718]	[1819]	[1920]	[2021]	[2122]																				
						Hazard Reduction	27	Maintain an Asset Protection Zone on the interface	TI CL;LGA			[1718]	[1819]	[1920]	[2021]	[2122]																				
	1	Lennox Head Tourist Facilities	North of Lennox Head	Special Fire Protection	Property Planning	100	Maintain a Community Protection Plan	TI CL;LGA;Private;RFS						[1718]	[1819]	[1920]	[2021]	[2122]																		
	13	North Ocean Shores	North Ocean Shores area	Human Settlement	Residential	Community Education	69	Conduct a Firewise Street Meeting	FRNSW		LGA;OEH;RFS			[1718]		[1920]		[2122]																		
						Hazard Reduction	2	Maintain an Asset Protection Zone on the interface	TI CL;OEH;Private			[1718]	[1819]	[1920]	[2021]	[2122]																				
							84	Create and implement a Community Protection Plan	RFS		TI CL;LGA;OEH;FRNSW			[1819]	[1920]																					
						Property Planning	64	Maintain APZ and SFAZ	OEH		TI CL;LGA;FRNSW			[1718]	[1819]	[1920]	[2021]	[2122]																		
						Community Education	135	Community Engagement	FRNSW		LGA;OEH;RFS			[1718]		[1920]		[2122]																		
							2	Maintain an Asset Protection Zone on the interface	TI CL;OEH;Private			[1718]	[1819]	[1920]	[2021]	[2122]																				
	29	New Brighton	New Brighton		Community Education	136	Community Engagement	FRNSW		LGA;OEH;RFS			[1718]	[1819]	[1920]	[2021]	[2122]																			
	35	Suffolk Park	Suffolk Park and Byron Hills		Property Planning	111	Implement APZ and SFAZ	TI CL;LGA;OEH		FRNSW;RFS			[1718]	[1819]	[1920]	[2021]	[2122]																			
	39	Arakwal Interface	Byron Bay	Human Settlement	Residential	Community Education	93	Disseminate community engagement materials	TI CL;LGA;OEH				[1718]	[1819]	[1920]	[2021]	[2122]																			
																				Acalypha	RF	Endangered	Ignition Management	92	Attempt to exclude fire from habitat	TI CL;LGA;OEH;FRNSW;Private;RFS		FRNSW;RFS	[1718]	[1819]	[1920]	[2021]	[2122]			
																				Axe-breaker			Community Education	93	Disseminate community engagement materials	TI CL;LGA;OEH			[1718]	[1819]	[1920]	[2021]	[2122]			
																							Ignition Management	92	Attempt to exclude fire from habitat	TI CL;LGA;OEH;FRNSW;Private;RFS		FRNSW;RFS	[1718]	[1819]	[1920]	[2021]	[2122]			
																				Ball Nut	RF lowland	Vulnerable	Community Education	93	Disseminate community engagement materials	TI CL;LGA;OEH			[1718]	[1819]	[1920]	[2021]	[2122]			
																							Ignition Management	92	Attempt to exclude fire from habitat	TI CL;LGA;OEH;FRNSW;Private;RFS		FRNSW;RFS	[1718]	[1819]	[1920]	[2021]	[2122]			
																							Hazard Reduction	23	Implement Strategic Fire Advantage Zones	TI CL;LGA		RFS	[1718]	[1819]	[1920]	[2021]	[2122]			
																							Hazard Reduction	27	Maintain an Asset Protection Zone on the interface	TI CL;LGA			[1718]	[1819]	[1920]	[2021]	[2122]			
																				Ballina Tourism Industry	Ballina	Tourist and Recreation	Preparedness	41	Maintain Fire Trails	TI CL;LGA;Private		RFS	[1718]	[1819]	[1920]	[2021]	[2122]			
																							Community Education	93	Disseminate community engagement materials	TI CL;LGA;OEH			[1718]	[1819]	[1920]	[2021]	[2122]			
																				Basket Fern	RF, WSF		Ignition Management	92	Attempt to exclude fire from habitat	TI CL;LGA;OEH;FRNSW;Private;RFS		FRNSW;RFS	[1718]	[1819]	[1920]	[2021]	[2122]			
																							Community Education	93	Disseminate community engagement materials	TI CL;LGA;OEH			[1718]	[1819]	[1920]	[2021]	[2122]			
																				Black-Breasted Button-Quail	Upland Wet Forest	Endangered	Hazard Reduction	147	Implement appropriate fire regimes	TI CL;LGA;OEH;Private;RMS;DPI;Defence;ARTC;Other	LALC					[1718]	[1819]	[1920]	[2021]	[2122]
																							Community Education	93	Disseminate community engagement materials	TI CL;LGA;OEH			[1718]	[1819]	[1920]	[2021]	[2122]			
																				Corokia	WSF, LRF, RF edge	Vulnerable	Hazard Reduction	147	Implement appropriate fire regimes	TI CL;LGA;OEH;Private;RMS;DPI;Defence;ARTC;Other	LALC					[1718]	[1819]	[1920]	[2021]	[2122]
																							Community Education	93	Disseminate community engagement materials	TI CL;LGA;OEH			[1718]	[1819]	[1920]	[2021]	[2122]			
																				Crystal Creek Walnut	RF, WSF coast and hinterland	Endangered	Ignition Management	92	Attempt to exclude fire from habitat	TI CL;LGA;OEH;FRNSW;Private;RFS		FRNSW;RFS	[1718]	[1819]	[1920]	[2021]	[2122]			
																							Hazard Reduction	147	Implement appropriate fire regimes	TI CL;LGA;OEH;Private;RMS;DPI;Defence;ARTC;Other	LALC					[1718]	[1819]	[1920]	[2021]	[2122]
																				Dark Greenhood Orchard	Arakwal & Broken Head NPWS		Preparedness	148	Avoid ground disturbance in known locations	TI CL;LGA;OEH;Private		FRNSW;RFS	[1718]	[1819]	[1920]	[2021]	[2122]			
																							Community Education	93	Disseminate community engagement materials	TI CL;LGA;OEH			[1718]	[1819]	[1920]	[2021]	[2122]			
																				Durobby	RF, creeklines		Ignition Management	92	Attempt to exclude fire from habitat	TI CL;LGA;OEH;FRNSW;Private;RFS		FRNSW;RFS	[1718]	[1819]	[1920]	[2021]	[2122]			
																							Community Education	93	Disseminate community engagement materials	TI CL;LGA;OEH			[1718]	[1819]	[1920]	[2021]	[2122]			
																				Fine-leaved Tuckeroo	RF	Vulnerable	Ignition Management	92	Attempt to exclude fire from habitat	TI CL;LGA;OEH;FRNSW;Private;RFS		FRNSW;RFS	[1718]	[1819]	[1920]	[2021]	[2122]			
																						Community Education	93	Disseminate community engagement materials	TI CL;LGA;OEH			[1718]	[1819]	[1920]	[2021]	[2122]				
																						Ignition Management	92	Attempt to exclude fire from habitat	TI CL;LGA;OEH;FRNSW;Private;RFS		FRNSW;RFS	[1718]	[1819]	[1920]	[2021]	[2122]				
Fleay's barred frog																				Rainforest Reserves		Preparedness	148	Avoid ground disturbance in known locations	TI CL;LGA;OEH;Private		FRNSW;RFS	[1718]	[1819]	[1920]	[2021]	[2122]				
																						Community Education	93	Disseminate community engagement materials	TI CL;LGA;OEH			[1718]	[1819]	[1920]	[2021]	[2122]				
Giant Ironwood																				Mt Chincogan		Hazard Reduction	147	Implement appropriate fire regimes	TI CL;LGA;OEH;Private;RMS;DPI;Defence;ARTC;Other	LALC					[1718]	[1819]	[1920]	[2021]	[2122]	
																						Community Education	93	Disseminate community engagement materials	TI CL;LGA;OEH			[1718]	[1819]	[1920]	[2021]	[2122]				
Green-leaved Rose Walnut																				RF, WSF		Ignition Management	92	Attempt to exclude fire from habitat	TI CL;LGA;OEH;FRNSW;Private;RFS		FRNSW;RFS	[1718]	[1819]	[1920]	[2021]	[2122]				
																						Community Education	93	Disseminate community engagement materials	TI CL;LGA;OEH			[1718]	[1819]	[1920]	[2021]	[2122]				
Gympie Stinger																				RF		Ignition Management	92	Attempt to exclude fire from habitat	TI CL;LGA;OEH;FRNSW;Private;RFS		FRNSW;RFS	[1718]	[1819]	[1920]	[2021]	[2122]				
																						Community Education	93	Disseminate community engagement materials	TI CL;LGA;OEH			[1718]	[1819]	[1920]	[2021]	[2122]				
Harnieria hygrophiloides																				Brunswick Heads	Endangered	Hazard Reduction	147	Implement appropriate fire regimes	TI CL;LGA;OEH;Private;RMS;DPI;Defence;ARTC;Other	LALC					[1718]	[1819]	[1920]	[2021]	[2122]	
																						Hazard Reduction	163	Implement Rural Vegetation Management program	Other		Transgrid	[1718]	[1819]	[1920]	[2021]	[2122]				
Interstate Direct Link																				Laverties Gap to Bungalora	Infrastructure	Preparedness	164	Maintain inspection programs	Other		Transgrid	[1718]	[1819]	[1920]	[2021]	[2122]				
																						Community Education	93	Disseminate community engagement materials	TI CL;LGA;OEH			[1718]	[1819]	[1920]	[2021]	[2122]				
Jointed Baloghia																				STRF; WSF	Vulnerable	Ignition Management	92	Attempt to exclude fire from habitat	TI CL;LGA;OEH;FRNSW;Private;RFS		FRNSW;RFS	[1718]	[1819]	[1920]	[2021]	[2122]				
																						Community Education	93	Disseminate community engagement materials	TI CL;LGA;OEH			[1718]	[1819]	[1920]	[2021]	[2122]				
			Ignition Management	92	Attempt to exclude fire from habitat	TI CL;LGA;OEH;FRNSW;Private;RFS		FRNSW;RFS	[1718]	[1819]	[1920]	[2021]	[2122]																							
Loveridge's Frog	Creeks, higher altitude swamps, Far North Coast	Endangered	Preparedness	148	Avoid ground disturbance in known locations	TI CL;LGA;OEH;Private		FRNSW;RFS	[1718]	[1819]	[1920]	[2021]	[2122]																							
			Community Education	93	Disseminate community engagement materials	TI CL;LGA;OEH			[1718]	[1819]	[1920]	[2021]	[2122]																							
Marblewood	WSF and dry RF	Vulnerable	Ignition Management	92	Attempt to exclude fire from habitat	TI CL;LGA;OEH;FRNSW;Private;RFS		FRNSW;RFS	[1718]	[1819]	[1920]	[2021]	[2122]																							
			Community Education	93	Disseminate community engagement materials	TI CL;LGA;OEH			[1718]	[1819]	[1920]	[2021]	[2122]																							
Minyon Quandong	RF and WSF		Ignition Management	92	Attempt to exclude fire from habitat	TI CL;LGA;OEH;FRNSW;Private;RFS		FRNSW;RFS	[1718]	[1819]	[1920]	[2021]	[2122]																							
			Community Education	93	Disseminate community engagement materials	TI CL;LGA;OEH			[1718]	[1819]	[1920]	[2021]	[2122]																							
			Ignition Management	92	Attempt to exclude fire from habitat	TI CL;LGA;OEH;FRNSW;Private;RFS		FRNSW;RFS	[1718]	[1819]	[1920]	[2021]	[2122]																							
Mountain Frog	Border Ranges escarpment		Preparedness	148	Avoid ground disturbance in known locations	TI CL;LGA;OEH;Private		FRNSW;RFS	[1718]	[1819]	[1920]	[2021]	[2122]																							
			Community Education	93	Disseminate community engagement materials	TI CL;LGA;OEH			[1718]	[1819]	[1920]	[2021]	[2122]																							
Narrow-leaf Finger Fern	RF, WSF		Ignition Management	92	Attempt to exclude fire from habitat	TI CL;LGA;OEH;FRNSW;Private;RFS		FRNSW;RFS	[1718]	[1819]	[1920]	[2021]	[2122]																							
			Community Education	93	Disseminate community engagement materials	TI CL;LGA;OEH			[1718]	[1819]	[1920]	[2021]	[2122]																							
Native Justica	Brunswick Heads area, littoral RF		Hazard Reduction	147	Implement appropriate fire regimes	TI CL;LGA;OEH;Private;RMS;DPI;Defence;ARTC;Other	LALC					[1718]	[1819]	[1920]	[2021]	[2122]																				
			Community Education	93	Disseminate community engagement materials	TI CL;LGA;OEH			[1718]	[1819]	[1920]	[2021]	[2122]																							
Nightcap Plectranthus	Rocky outcrops and creekbanks	Endangered	Ignition Management	92	Attempt to exclude fire from habitat	TI CL;LGA;OEH;FRNSW;Private;RFS		FRNSW;RFS	[1718]	[1819]	[1920]	[2021]	[2122]																							
			Community Education	93	Disseminate community engagement materials	TI CL;LGA;OEH			[1718]	[1819]	[1920]	[2021]	[2122]																							
Onion Cedar	RF	Vulnerable	Ignition Management	92	Attempt to exclude fire from habitat	TI CL;LGA;OEH;FRNSW;Private;RFS		FRNSW;RFS	[1718]	[1819]	[1920]	[2021]	[2122]																							
			Community Education	93	Disseminate community engagement materials	TI CL;LGA;OEH			[1718]	[1819]	[1920]	[2021]	[2122]																							
Peach Myrtle	WSF, RF	Endangered	Ignition Management	92	Attempt to exclude fire from habitat	TI CL;LGA;OEH;FRNSW;Private;RFS		FRNSW;RFS	[1718]	[1819]	[1920]	[2021]	[2122]																							
			Hazard Reduction	122	Implement Rural Vegetation Management program	Other		Essential Energy	[1718]	[1819]	[1920]	[2021]	[2122]																							



Priority (Risk Rating)	Asset ID	Asset Name	Class	Asset Location	Subclass	Strategy	Treatment ID	Action Description	Responsible Agencies	Other RA	Support Agencies	Other SA	1718	1819	1920	2021	2122
		Powerline Infrastructure	Economic	Tweed, Ballina and Byron Shires	Infrastructure	Preparedness	123	Maintain inspection programs	Other	Essential Energy			[1718]	[1819]	[1920]	[2021]	[2122]
		Pretty Eyebright		RF, WSF	Vulnerable	Community Education	93	Disseminate community engagement materials	TI CL;LGA;OEH				[1718]	[1819]	[1920]	[2021]	[2122]
		Rainforest Cassia		RF	Endangered	Ignition Management	92	Attempt to exclude fire from habitat	TI CL;LGA;OEH;FRNSW;Private;RFS		FRNSW;RFS		[1718]	[1819]	[1920]	[2021]	[2122]
		Red Flowered King of the Fairies		Far North Coast		Community Education	93	Disseminate community engagement materials	TI CL;LGA;OEH				[1718]	[1819]	[1920]	[2021]	[2122]
		Red Lily Pilly		RF, WSF creeklines		Ignition Management	92	Attempt to exclude fire from habitat	TI CL;LGA;OEH;FRNSW;Private;RFS		FRNSW;RFS		[1718]	[1819]	[1920]	[2021]	[2122]
		Rough-shelled Bush Nut		RF		Community Education	92	Disseminate community engagement materials	TI CL;LGA;OEH				[1718]	[1819]	[1920]	[2021]	[2122]
		Rusty Rose Walnut		RF	Vulnerable	Ignition Management	92	Attempt to exclude fire from habitat	TI CL;LGA;OEH;FRNSW;Private;RFS		FRNSW;RFS		[1718]	[1819]	[1920]	[2021]	[2122]
		Scented Acronychia	Environmental	Coastal RF	Endangered	Community Education	93	Disseminate community engagement materials	TI CL;LGA;OEH				[1718]	[1819]	[1920]	[2021]	[2122]
		Site Group One Sites	Cultural Heritage	Far North Coast	Aboriginal Significance	Hazard Reduction	117	Implement AHIMS Management Conditions	TI CL;LGA;OEH;FRNSW;Private;RFS;DPI;ARTC				[1718]	[1819]	[1920]	[2021]	[2122]
		Slender Marsdenia		Rainforest and WSF	Endangered	Community Education	161	Maintain APZ and SFAZ	Other	Land Councils	LGA;OEH		[1718]	[1819]	[1920]	[2021]	[2122]
		Small-leaved Hazelwood		RF	Vulnerable	Community Education	93	Disseminate community engagement materials	TI CL;LGA;OEH				[1718]	[1819]	[1920]	[2021]	[2122]
		Small-leaved Tamarind		RF		Ignition Management	92	Attempt to exclude fire from habitat	TI CL;LGA;OEH;FRNSW;Private;RFS		FRNSW;RFS		[1718]	[1819]	[1920]	[2021]	[2122]
		Smooth Davidson's Plum		WSF and RF	Endangered	Community Education	93	Disseminate community engagement materials	TI CL;LGA;OEH				[1718]	[1819]	[1920]	[2021]	[2122]
		Southern Fontainea		RF	Vulnerable	Ignition Management	92	Attempt to exclude fire from habitat	TI CL;LGA;OEH;FRNSW;Private;RFS		FRNSW;RFS		[1718]	[1819]	[1920]	[2021]	[2122]
		Southern Ochrosia		Rainforest		Community Education	93	Disseminate community engagement materials	TI CL;LGA;OEH				[1718]	[1819]	[1920]	[2021]	[2122]
		Southern Swamp Orchid		Swamp Sclerophyll, RF	Endangered	Ignition Management	92	Attempt to exclude fire from habitat	TI CL;LGA;OEH;FRNSW;Private;RFS		FRNSW;RFS		[1718]	[1819]	[1920]	[2021]	[2122]
		Stinking Cryptocarya		Littoral RF	Vulnerable	Community Education	93	Disseminate community engagement materials	TI CL;LGA;OEH				[1718]	[1819]	[1920]	[2021]	[2122]
		Sweet Myrtle		RF	Endangered	Ignition Management	92	Attempt to exclude fire from habitat	TI CL;LGA;OEH;FRNSW;Private;RFS		FRNSW;RFS		[1718]	[1819]	[1920]	[2021]	[2122]
		Thorny Pea	Environmental	RF and Riparian	Vulnerable	Community Education	93	Disseminate community engagement materials	TI CL;LGA;OEH				[1718]	[1819]	[1920]	[2021]	[2122]
		Tweed Shire Coastal Tourism Industry	Economic	Tweed Coast	Tourist and Recreation	Hazard Reduction	147	Implement appropriate fire regimes	TI CL;LGA;OEH;Private;RMS;DPI;Defence;ARTC;Other	LALC			[1718]	[1819]	[1920]	[2021]	[2122]
		White Lace Flower		RF	Vulnerable	Community Education	62	Disseminate Community Education Materials	FRNSW;RFS		LGA;OEH		[1718]	[1819]	[1920]	[2021]	[2122]
		White Yiel Yiel		RF		Ignition Management	2	Maintain an Asset Protection Zone on the interface	TI CL;OEH;Private				[1718]	[1819]	[1920]	[2021]	[2122]
		Yellow Flowered King of the Fairies		Far North Coast	Endangered	Community Education	93	Disseminate community engagement materials	TI CL;LGA;OEH				[1718]	[1819]	[1920]	[2021]	[2122]
		Yellow Satinheart	Environmental	RF	Vulnerable	Ignition Management	92	Attempt to exclude fire from habitat	TI CL;LGA;OEH;FRNSW;Private;RFS		FRNSW;RFS		[1718]	[1819]	[1920]	[2021]	[2122]
	0	Tanglewood		Clothiers Creek Road	Residential	Preparedness	83	Maintain Fire Trails	LGA;OEH;Private		RFS		[1718]	[1819]	[1920]	[2021]	[2122]
	6	Mountain View Retirement Village		Ingram Place Murwillumbah		Hazard Reduction	156	Maintain an Asset Protection Zone on the interface	Private		TI CL;LGA;FRNSW;RFS		[1718]	[1819]	[1920]	[2021]	[2122]
						Community Education	54	Maintain Schools community education program	FRNSW;RFS				[1718]	[1819]	[1920]	[2021]	[2122]
	12	Ocean Shores PS		Shara Boulevard		Hazard Reduction	162	Maintain an Asset Protection Zone on the interface	Other	Dept Education	TI CL;Private		[1718]	[1819]	[1920]	[2021]	[2122]
						Property Planning	84	Create and implement a Community Protection Plan	RFS		TI CL;LGA;OEH;FRNSW		[1718]	[1819]	[1920]	[2021]	[2122]
	14	South Ballina Caravan Park		South Ballina		Hazard Reduction	51	Maintain Strategic Fire Advantage Zones	Private		TI CL;OEH		[1718]	[1819]	[1920]	[2021]	[2122]
						Preparedness	41	Maintain Fire Trails	TI CL;LGA;Private		RFS		[1718]	[1819]	[1920]	[2021]	[2122]
	16	Sandalwood Caravan Park		Pimlico Road Pimlico		Community Education	62	Disseminate Community Education Materials	FRNSW;RFS		LGA;OEH		[1718]	[1819]	[1920]	[2021]	[2122]
						Hazard Reduction	35	Implement Strategic Fire Advantage Zone	TI CL;LGA		RFS		[1718]	[1819]	[1920]	[2021]	[2122]
	19	Wooyung Caravan Park		Wooyung	Special Fire Protection	Community Education	62	Disseminate Community Education Materials	FRNSW;RFS		LGA;OEH		[1718]	[1819]	[1920]	[2021]	[2122]
						Community Education	39	Maintain Community Firewise Activities	LGA;RFS				[1718]	[1819]	[1920]	[2021]	[2122]
	23	Fig Tree Hill		Fig Tree Hill Drive Lennox Head		Community Education	11	Maintain roadside slashing regime Coast Road	LGA				[1718]	[1819]	[1920]	[2021]	[2122]
						Hazard Reduction	160	Maintain an APZ adjacent to assets at risk	Private		TI CL;LGA;RFS		[1718]	[1819]	[1920]	[2021]	[2122]
	24	South Ballina Isolated Rural Dwellings		South Ballina		Community Education	12	Conduct targeted community engagement activities	LGA;RFS		Private		[1718]	[1819]	[1920]	[2021]	[2122]
						Preparedness	41	Maintain Fire Trails	TI CL;LGA;Private		RFS		[1718]	[1819]	[1920]	[2021]	[2122]
	25	Sanctuary Village Area		Ross Lane Lennox Head	Residential	Community Education	12	Conduct targeted community engagement activities	LGA;RFS		Private		[1718]	[1819]	[1920]	[2021]	[2122]
						Hazard Reduction	85	Implement Strategic Fire Advantage Zone	TI CL;LGA		RFS		[1718]	[1819]	[1920]	[2021]	[2122]
						Hazard Reduction	160	Maintain an APZ adjacent to assets at risk	Private		TI CL;LGA;RFS		[1718]	[1819]	[1920]	[2021]	[2122]
	27	Hastings Point SFPDs		Hastings Point		Preparedness	83	Maintain Fire Trails	LGA;OEH;Private		RFS		[1718]	[1819]	[1920]	[2021]	[2122]
						Property Planning	64	Maintain APZ and SFAZ	OEH		TI CL;LGA;FRNSW		[1718]	[1819]	[1920]	[2021]	[2122]
	33	Dunes Tourist Facility		East Ballina	Special Fire Protection	Community Education	143	Community Engagement	FRNSW		RFS		[1718]	[1819]	[1920]	[2021]	[2122]
						Hazard Reduction	144	Maintain APZ	Private				[1718]	[1819]	[1920]	[2021]	[2122]
	34	Bilambil Heights Peninsula		Peninsula and Scenic Drives Bilambil	Residential	Community Education	108	Conduct a Firewise Street Meeting	FRNSW		RFS		[1718]	[1819]	[1920]	[2021]	[2122]
						Hazard Reduction	77	Maintain an Asset Protection Zone on the interface	Private		LGA;FRNSW;RFS		[1718]	[1819]	[1920]	[2021]	[2122]
						Community Education	54	Maintain Schools community education program	FRNSW;RFS				[1718]	[1819]	[1920]	[2021]	[2122]
	36	Suffolk Park SFPDs		Suffolk Park		Community Education	62	Disseminate Community Education Materials	FRNSW;RFS		LGA;OEH		[1718]	[1819]	[1920]	[2021]	[2122]
						Preparedness	2	Maintain an Asset Protection Zone on the interface	TI CL;OEH;Private				[1718]	[1819]	[1920]	[2021]	[2122]

Priority (Risk Rating)	Asset ID	Asset Name	Class	Asset Location	Subclass	Strategy	Treatment ID	Action Description	Responsible Agencies	Other RA	Support Agencies	Other SA	1718	1819	1920	2021	2122				
2A (Very High)	41	North Byron SFPDs	Human Settlement	Byron Bay	Special Fire Protection	Hazard Reduction	58	Maintain Strategic Fire Advantage Zone	TI CL;LGA;OEH;Private		RFS		[1718]	[1819]	[1920]	[2021]	[2122]				
							60	Maintain Strategic Fire Advantage Zone	ARTC			[1718]	[1819]	[1920]	[2021]	[2122]					
	42	Sunrise Beach Area			Economic		Broken Head	Residential	Special Fire Protection	Community Education	58	Maintain Strategic Fire Advantage Zone	TI CL;LGA;OEH;Private		RFS		[1718]	[1819]	[1920]	[2021]	[2122]
											60	Maintain Strategic Fire Advantage Zone	ARTC			[1718]	[1819]	[1920]	[2021]	[2122]	
	43	Broken Head Tourist Facilities									62	Disseminate Community Education Materials	FRNSW;RFS		LGA;OEH		[1718]	[1819]	[1920]	[2021]	[2122]
	47	Communications Towers Tweed, Byron & Ballina					Tweed, Byron & Ballina LGAs	Infrastructure			146	Maintain APZ surrounding asset	CA;TI CL;LGA;OEH;Private;RMS;FCNSW;Police;ARTC		FRNSW;RFS		[1718]	[1819]	[1920]	[2021]	[2122]
	57	Ocean Shores			Human Settlement		Ocean Shores	Residential	Community Education	Hazard Reduction	137	Community Engagement	FRNSW		LGA;RFS		[1718]		[1920]		[2122]
											107	Review Fire Management Plan	LGA		FRNSW;RFS		[1718]		[1920]		
	76	Private Forestry Plantations			Economic		Tweed and Byron Shires	Commercial Forests	Property Planning		112	Prepare and implement regional fire plan	Private;FCNSW				[1718]	[1819]	[1920]	[2021]	[2122]
	78	Fingal Head Area			Human Settlement		Letitia Spit Fingal Head, Muphys Road Kingscliff	Residential	Ignition Management	Hazard Reduction	25	Implement Strategic Fire Advantage Zone	TI CL;LGA;Private;Other	LALC	FRNSW;RMS;RFS		[1718]	[1819]	[1920]	[2021]	[2122]
											16	Maintain an arson prevention program	LGA;FRNSW;Police			[1718]	[1819]	[1920]	[2021]	[2122]	
	80	SeaBreeze Caravan Park			Human Settlement		South Ballina	Residential	Hazard Reduction	Hazard Reduction	81	Maintain an APZ adjacent to assets at risk	Private		TI CL;LGA;FRNSW;RFS		[1718]	[1819]	[1920]	[2021]	[2122]
											41	Maintain Fire Trails	TI CL;LGA;Private		RFS		[1718]	[1819]	[1920]	[2021]	[2122]
	93	Southern Cross K-12					Ballina				54	Maintain Schools community education program	FRNSW;RFS				[1718]	[1819]	[1920]	[2021]	[2122]
	100	Palm Lake Resort					Barneys Point				62	Disseminate Community Education Materials	FRNSW;RFS		LGA;OEH		[1718]	[1819]	[1920]	[2021]	[2122]
102	Kingscliff schools		Kingscliff					Maintain an Asset Protection Zone on the interface	Private		TI CL;LGA;FRNSW;RFS		[1718]	[1819]	[1920]	[2021]	[2122]				
103	Duranbah Public School		Duranbah				156	Maintain an Asset Protection Zone on the interface	Private		TI CL;LGA;FRNSW;RFS		[1718]	[1819]	[1920]	[2021]	[2122]				
2A (Very High)	146	Tamarind Ave Interface SFPD	Human Settlement	Tamarind Ave Bogangar	Special Fire Protection	Hazard Reduction	2	Maintain an Asset Protection Zone on the interface	TI CL;OEH;Private				[1718]	[1819]	[1920]	[2021]	[2122]				
2B (Very High)	5	Farrants Hill and Nunderi	Human Settlement	Farrants Hill, Eviron and Nunderi	Residential	Hazard Reduction	5	Implement Strategic Fire Advantage Zones	TI CL;LGA;Private		FRNSW;RFS		[1718]	[1819]	[1920]	[2021]	[2122]				
2C (Very High)	0	Banana Farms	Economic	Tweed, Byron, Ballina areas	Agricultural	Community Education	33	Annual Media Release	LGA;FRNSW;RFS				[1718]	[1819]	[1920]	[2021]	[2122]				
							120	Issue Hazard Reduction Certificates	RFS		LGA		[1718]	[1819]	[1920]	[2021]	[2122]				
							147	Implement appropriate fire regimes	TI CL;LGA;OEH;Private;RMS;DPI;Defence;ARTC;Other	LALC			[1718]	[1819]	[1920]	[2021]	[2122]				
							Common Planigale	Hazard Reduction	148	Avoid ground disturbance in known locations	TI CL;LGA;OEH;Private		FRNSW;RFS		[1718]	[1819]	[1920]	[2021]	[2122]		
																				Hazard Reduction	147
							Eastern Chestnut Mouse	Preparedness	148	Avoid ground disturbance in known locations	TI CL;LGA;OEH;Private		FRNSW;RFS		[1718]	[1819]	[1920]	[2021]	[2122]		
																				Eastern False Pipistrelle	Hazard Reduction
							Eastern Free-Tailed Bat	Preparedness	149	Limit Impact Hollow Bearing Trees	TI CL;LGA;OEH;Private;DPI;ARTC			[1718]	[1819]	[1920]	[2021]	[2122]			
																			Eastern Grass Owl	Hazard Reduction	147
							Eastern Ground Parrot	Preparedness	149	Limit Impact Hollow Bearing Trees	TI CL;LGA;OEH;Private;DPI;ARTC			[1718]	[1819]	[1920]	[2021]	[2122]			
																			Golden Tipped Bat	Hazard Reduction	147
							Lemon Scented Grass	Preparedness	148	Avoid ground disturbance in known locations	TI CL;LGA;OEH;Private		FRNSW;RFS		[1718]	[1819]	[1920]	[2021]			
																			Little Bent-wing Bat	Community Education	93
							Pygmy Possum	Hazard Reduction	147	Implement appropriate fire regimes	TI CL;LGA;OEH;Private;RMS;DPI;Defence;ARTC;Other	LALC		[1718]	[1819]	[1920]	[2021]	[2122]			
																			Southern Myotis Bat	Preparedness	149
							Squirrel Glider	Hazard Reduction	147	Implement appropriate fire regimes	TI CL;LGA;OEH;Private;RMS;DPI;Defence;ARTC;Other	LALC		[1718]	[1819]	[1920]	[2021]	[2122]			
																			Stephens' Banded Snake	Preparedness	149
							Tinospora Vine	Hazard Reduction	147	Implement appropriate fire regimes	TI CL;LGA;OEH;Private;RMS;DPI;Defence;ARTC;Other	LALC		[1718]	[1819]	[1920]	[2021]	[2122]			
																			Traffic on Major Roads	Preparedness	149
							Vulnerable Large-eared Pied Bat	Community Education	93	Disseminate community engagement materials	TI CL;LGA;OEH			[1718]	[1819]	[1920]	[2021]	[2122]			
																			Wallum Froglet	Hazard Reduction	147
							Wardell and Surrounds	Preparedness	148	Avoid ground disturbance in known locations	TI CL;LGA;OEH;Private		FRNSW;RFS		[1718]	[1819]	[1920]	[2021]			
																			Wardell	Hazard Reduction	24
							Bogangar and Cabarita	Preparedness	41	Maintain Fire Trails	TI CL;LGA;Private		RFS		[1718]	[1819]	[1920]	[2021]			
																			Brunswick Heads	Property Planning	10
							Brunswick Heads	Hazard Reduction	2	Maintain an Asset Protection Zone on the interface	TI CL;OEH;Private			[1718]	[1819]	[1920]	[2021]	[2122]			
																			Brunswick Heads	Property Planning	63
							Barrett Estate	Hazard Reduction	18	Maintain an Asset Protection Zone on the interface	TI CL;LGA			[1718]	[1819]	[1920]	[2021]	[2122]			
																			Barrett Estate	Preparedness	41
							Barrett Estate	Property Planning	100	Maintain a Community Protection Plan	TI CL;LGA;Private;RFS			[1718]	[1819]	[1920]	[2021]	[2122]			
																			EEC: Byron Bay dwarf graminoid clay heath community	Hazard Reduction	147
							EEC: Lowland Rainforest	Ignition Management	92	Attempt to exclude fire from habitat	TI CL;LGA;OEH;FRNSW;Private;RFS		FRNSW;RFS		[1718]	[1819]	[1920]	[2021]			
																			EEC: Lowland Rainforest on floodplain	Hazard Reduction	147
EEC: Swamp sclerophyll forest on coastal floodplains	Preparedness	148	Avoid ground disturbance in known locations	TI CL;LGA;OEH;Private		FRNSW;RFS		[1718]	[1819]	[1920]	[2021]	[2122]									
													Glenugie Karaka	Hazard Reduction	147	Implement appropriate fire regimes	TI CL;LGA;OEH;Private;RMS;DPI;Defence;ARTC;Other	LALC		[1718]	[1819]

Priority (Risk Rating)	Asset ID	Asset Name	Class	Asset Location	Subclass	Strategy	Treatment ID	Action Description	Responsible Agencies	Other RA	Support Agencies	Other SA	1718	1819	1920	2021	2122		
3A (High)	0	Hinterland Rural Dwellings on Forested Lower Slopes	Human Settlement	Crystal, Nobbys, Chowan, Rowlands, Smiths, Tyalgum, Back, Brays, Commissioners, Kungur Mullumbimby, Upper Wilsons Creeks, Limpinwood, Pumpenbil, Mount Burrell, Doon Doon, Midginbil, Palmwoods, Middle Pocket, Urliup, Dungay, Chillingham, Wanganui, Nth Arm	Residential	Community Education	33	Annual Media Release	LGA;FRNSW;RFS				[1718]	[1819]	[1920]	[2021]	[2122]		
						Hazard Reduction	5	Implement Strategic Fire Advantage Zones	TI CL;LGA;Private				[1718]	[1819]	[1920]	[2021]	[2122]		
						Hazard Reduction	81	Maintain an APZ adjacent to assets at risk	Private				[1718]	[1819]	[1920]	[2021]	[2122]		
				Pouched Frog	Environmental	RF, WSF	Vulnerable	Community Education	93	Disseminate community engagement materials	TI CL;LGA;OEH				[1718]	[1819]	[1920]	[2021]	[2122]
				Site Group Four Sites	Cultural Heritage		Aboriginal Significance	Ignition Management	92	Attempt to exclude fire from habitat	TI CL;LGA;OEH;FRNSW;Private;RFS				[1718]	[1819]	[1920]	[2021]	[2122]
			117					Implement AHIMS Management Conditions	TI CL;LGA;OEH;FRNSW;Private;RFS;DPI;ARTC				[1718]	[1819]	[1920]	[2021]	[2122]		
			161					Maintain APZ and SFAZ	Other				[1718]	[1819]	[1920]	[2021]	[2122]		
			Site Group Two Sites	Cultural Heritage		Aboriginal Significance		117	Implement AHIMS Management Conditions	TI CL;LGA;OEH;FRNSW;Private;RFS;DPI;ARTC				[1718]	[1819]	[1920]	[2021]	[2122]	
		161					Maintain APZ and SFAZ	Other				[1718]	[1819]	[1920]	[2021]	[2122]			
			Three-Toad Snake Toothed Skink			Vulnerable	Hazard Reduction	147	Implement appropriate fire regimes	TI CL;LGA;OEH;Private;RMS;DPI;Defence;ARTC;Other	LALC			[1718]	[1819]	[1920]	[2021]	[2122]	
						Vulnerable	Preparedness	148	Avoid ground disturbance in known locations	TI CL;LGA;OEH;Private				[1718]	[1819]	[1920]	[2021]	[2122]	
						Vulnerable	Hazard Reduction	147	Implement appropriate fire regimes	TI CL;LGA;OEH;Private;RMS;DPI;Defence;ARTC;Other	LALC			[1718]	[1819]	[1920]	[2021]	[2122]	
			Tree Guinea Flower	Environmental	Far North Coast	Endangered	Preparedness	148	Avoid ground disturbance in known locations	TI CL;LGA;OEH;Private				[1718]	[1819]	[1920]	[2021]	[2122]	
		20	Minjungbal Cultural Centre	Economic	Tweed Heads	Tourist and Recreation	Property Planning	64	Maintain APZ and SFAZ	OEH				[1718]	[1819]	[1920]	[2021]	[2122]	
		26	Skennars Head		East Ballina and Angels Beach area		Community Education	96	Distribute Bushfire Safety Information	LGA				[1718]	[1819]	[1920]	[2021]	[2122]	
							Hazard Reduction	27	Maintain an Asset Protection Zone on the interface	TI CL;LGA				[1718]	[1819]	[1920]	[2021]	[2122]	
		28	Pottsville Waters and Blackrocks Estate		Pottsville	Residential	Community Education	3	Conduct a Firewise Street Meeting	RFS				[1718]			[2021]		
							Hazard Reduction	27	Maintain an Asset Protection Zone on the interface	TI CL;LGA				[1718]	[1819]	[1920]	[2021]	[2122]	
		45	Bundaleer Retreat		Seven Mile Beach Broken Head	Special Fire Protection	Community Education	39	Maintain Community Firewise Activities	LGA;RFS				[1718]		[1920]		[2122]	
		Property Planning					103	Create pre-incident plans	RFS				[1718]						
	55	Koala Beach				Community Education	26	Community Education	LGA;RFS				[1718]	[1819]	[1920]	[2021]	[2122]		
								13	Inspect vacant blocks and maintain fuel loads.	LGA				[1718]	[1819]	[1920]	[2021]	[2122]	
							Hazard Reduction	154	Maintain an Asset Protection Zone on the interface	LGA				[1718]	[1819]	[1920]	[2021]	[2122]	
						Community Education	138	Community Engagement	LGA;RFS				[1718]		[1920]		[2122]		
	56	Seabreeze Estate		Pottsville		Hazard Reduction	154	Maintain an Asset Protection Zone on the interface	LGA				[1718]	[1819]	[1920]	[2021]	[2122]		
	59	Cape Byron Interface		Byron Bay	Residential	Property Planning	64	Maintain APZ and SFAZ	OEH				[1718]	[1819]	[1920]	[2021]	[2122]		
	62	Thursday Plantation	Human Settlement	Gallans Road Ballina	Special Fire Protection		81	Maintain an APZ adjacent to assets at risk	Private				[1718]	[1819]	[1920]	[2021]	[2122]		
							98	Maintain slashing regime	LGA				[1718]	[1819]	[1920]	[2021]	[2122]		
	66	Ballina Waste Management Facility		Ballina	Infrastructure		81	Maintain an APZ adjacent to assets at risk	Private				[1718]	[1819]	[1920]	[2021]	[2122]		
	69	Banora Point WWTP		Banora Point	Commercial	Hazard Reduction	124	Slash Asset Protection Zones	LGA				[1718]	[1819]	[1920]	[2021]	[2122]		
	70	Clarrie Hall Dam Catchment		Doon Doon	Drinking Water	Preparedness	41	Maintain Fire Trails	TI CL;LGA;Private				[1718]	[1819]	[1920]	[2021]	[2122]		
	73	Byron WWTPs	Economic	West Byron, Mullumbimby, Oceans Shores, Brunswick Heads, Bangalow	Commercial	Hazard Reduction	124	Slash Asset Protection Zones	LGA				[1718]	[1819]	[1920]	[2021]	[2122]		
	74	Mullumbimby Industrial Estate	Human Settlement	Mullumbimby	Other		33	Annual Media Release	LGA;FRNSW;RFS				[1718]	[1819]	[1920]	[2021]	[2122]		
	75	Tweed Shire Hinterland Tourism Industry		Midginbil Hill Farmstay,	Tourist and Recreation	Community Education	62	Disseminate Community Education Materials	FRNSW;RFS				[1718]	[1819]	[1920]	[2021]	[2122]		
										2	Maintain an Asset Protection Zone on the interface	TI CL;OEH;Private				[1718]	[1819]	[1920]	[2021]
	98	Incitec depot		Wardell			155	Maintain an Asset Protection Zone on the interface	Private				[1718]	[1819]	[1920]	[2021]	[2122]		
	142	Lennox Head WWTP		Lennox Head				Slash Asset Protection Zones	LGA				[1718]	[1819]	[1920]	[2021]	[2122]		
	143	Wardell WWTP	Economic	Wardell	Commercial	Hazard Reduction	124	Slash Asset Protection Zones	LGA				[1718]	[1819]	[1920]	[2021]	[2122]		
	145	Stokers Siding		East of Tweed Valley Way, Stokers Siding		Community Education	80	Community Education	LGA;RFS				[1718]	[1819]	[1920]	[2021]	[2122]		
	150	Main Arm		Main Arm	Residential	Property Planning	158	Maintain APZ and SFAZ	OEH				[1718]	[1819]	[1920]	[2021]	[2122]		
	158	North Byron Parklands		Yelgun		Community Education	139	Community Engagement	RFS				[1718]	[1819]	[1920]	[2021]	[2122]		
	159	Blues Fest Site	Human Settlement	Tyagarah	Special Fire Protection	Hazard Reduction	145	Maintain APZ's around assets and property boundary	Private				[1718]	[1819]	[1920]	[2021]	[2122]		
								Maintain APZ's around assets and property boundary	Private				[1718]	[1819]	[1920]	[2021]	[2122]		
		Byron Shire Hinterland Tourism Industry	Economic	Byron Shire	Tourist and Recreation	Community Education	62	Disseminate Community Education Materials	FRNSW;RFS				[1718]	[1819]	[1920]	[2021]	[2122]		
								Maintain an Asset Protection Zone on the interface	TI CL;OEH;Private				[1718]	[1819]	[1920]	[2021]	[2122]		
		Coastal Rural Dwellings on Forested Lower Slopes		Cobaki, Piggabeen, Uralba, Dulguigan	Residential	Community Education	33	Annual Media Release	LGA;FRNSW;RFS				[1718]	[1819]	[1920]	[2021]	[2122]		
										153	Implement Strategic Fire Advantage Zones	TI CL;LGA;Private				[1718]	[1819]	[1920]	[2021]
						Hazard Reduction	160	Maintain an APZ adjacent to assets at risk	Private				[1718]	[1819]	[1920]	[2021]	[2122]		
		Rural Tourist Facilities	Human Settlement	Western Tweed	Special Fire Protection	Community Education	62	Disseminate Community Education Materials	FRNSW;RFS				[1718]	[1819]	[1920]	[2021]	[2122]		
										5	Implement Strategic Fire Advantage Zones	TI CL;LGA;Private				[1718]	[1819]	[1920]	[2021]
							21	Maintain an Asset Protection Zone on the interface	Private				[1718]	[1819]	[1920]	[2021]	[2122]		
	0	White Crowned Snake	Environmental	Far North Coast	Vulnerable	Hazard Reduction	147	Implement appropriate fire regimes	TI CL;LGA;OEH;Private;RMS;DPI;Defence;ARTC;Other	LALC			[1718]	[1819]	[1920]	[2021]	[2122]		
						Preparedness	148	Avoid ground disturbance in known locations	TI CL;LGA;OEH;Private				[1718]	[1819]	[1920]	[2021]	[2122]		
	46	Tweed Heads South SFPD		Drydock Road area			33	Annual Media Release	LGA;FRNSW;RFS				[1718]	[1819]	[1920]	[2021]	[2122]		
	79	Fingal Head SFPD		Fingal Road	Special Fire Protection	Community Education	62	Disseminate Community Education Materials	FRNSW;RFS				[1718]	[1819]	[1920]	[2021]	[2122]		
	88	Pottsville - Mooball Road	Human Settlement	Pottsville	Residential	Hazard Reduction	160	Maintain an APZ adjacent to assets at risk	Private				[1718]	[1819]	[1920]	[2021]	[2122]		
						Ignition Management	92	Attempt to exclude fire from habitat	TI CL;LGA;OEH;FRNSW;Private;RFS				[1718]	[1819]	[1920]	[2021]	[2122]		
	3C (High)	0	Pointed Trefoil		Vulnerable	Preparedness	148	Avoid ground disturbance in known locations	TI CL;LGA;OEH;Private				[1718]	[1819]	[1920]	[2021]	[2122]		
			Dwarf Heath Casuarina		Far North Coast			Implement appropriate fire regimes	TI CL;LGA;OEH;Private;RMS;DPI;Defence;ARTC;Other	LALC			[1718]	[1819]	[1920]	[2021]	[2122]		
			EEC: Subtropical coastal floodplain forest		Floodplain across FNC LGA's	Endangered		Implement appropriate fire regimes	TI CL;LGA;OEH;Private;RMS;DPI;Defence;ARTC;Other	LALC			[1718]	[1819]	[1920]	[2021]	[2122]		
			Hairy Joint Grass	Environmental	Far North Coast	Vulnerable	147	Implement appropriate fire regimes	TI CL;LGA;OEH;Private;RMS;DPI;Defence;ARTC;Other	LALC			[1718]	[1819]	[1920]	[2021]	[2122]		
			Pimlico	Human Settlement	Pimlico Road Pimlico	Residential	35	Implement Strategic Fire Advantage Zone	TI CL;LGA				[1718]	[1819]	[1920]	[2021]	[2122]		
			Square-stemmed spike rush	Environmental	Far North Coast	Endangered	160	Maintain an APZ adjacent to assets at risk	Private				[1718]	[1819]	[1920]	[2021]	[2122]		
							147	Implement appropriate fire regimes	TI CL;LGA;OEH;Private;RMS;DPI;Defence;ARTC;Other	LALC			[1718]	[1819]	[1920]	[2021]	[2122]		
						Hazard Reduction	160	Maintain an APZ adjacent to assets at risk	Private				[1718]	[1819]	[1920]	[2021]	[2122]		
	3D (High)	0	Wooyung Area	Human Settlement	Wooyung Road	Residential	Preparedness	83	Maintain Fire Trails	LGA;OEH;Private			[1718]	[1819]	[1920]	[2021]	[2122]		
			Arrow-head Vine	Environmental	Far North Coast	Vulnerable	Ignition Management	92	Attempt to exclude fire from habitat	TI CL;LGA;OEH;FRNSW;Private;RFS				[1718]	[1819]	[1920]	[2021]	[2122]	
			Assets Adjoining Isolated Bushland Areas > 1 hectare	Human Settlement	Tweed Heads area, Kingscliff, Cudgen, Chinderah, Banora Point, Murwillumbah, Shaws Bay Escarpment	Residential		21	Maintain an Asset Protection Zone on the interface	Private				[1718]	[1819]	[1920]	[2021]	[2122]	

Priority (Risk Rating)	Asset ID	Asset Name	Class	Asset Location	Subclass	Strategy	Treatment ID	Action Description	Responsible Agencies	Other RA	Support Agencies	Other SA	1718	1819	1920	2021	2122
		Barking Owl		Far North Coast	Vulnerable	Hazard Reduction	147	Implement appropriate fire regimes	TI CL;LGA;OEH;Private;RMS;DPI;Defence;ARTC;Other	LALC			[1718]	[1819]	[1920]	[2021]	[2122]
		Border Ranges Daisy		Border Ranges NP	Endangered	Ignition Management	92	Attempt to exclude fire from habitat	TI CL;LGA;OEH;FRNSW;Private;RFS		FRNSW;RFS		[1718]	[1819]	[1920]	[2021]	[2122]
		Brown Tree Creeper		Far North Coast	Vulnerable	Hazard Reduction	147	Implement appropriate fire regimes	TI CL;LGA;OEH;Private;RMS;DPI;Defence;ARTC;Other	LALC			[1718]	[1819]	[1920]	[2021]	[2122]
		Brush Cassia		Creeklines, RF				Attempt to exclude fire from habitat	TI CL;LGA;OEH;FRNSW;Private;RFS		FRNSW;RFS		[1718]	[1819]	[1920]	[2021]	[2122]
		Brush Sauropus		Creeklines	Endangered	Ignition Management	92	Attempt to exclude fire from habitat	TI CL;LGA;OEH;FRNSW;Private;RFS		FRNSW;RFS		[1718]	[1819]	[1920]	[2021]	[2122]
		Common Blossom Bat				Hazard Reduction	147	Implement appropriate fire regimes	TI CL;LGA;OEH;Private;RMS;DPI;Defence;ARTC;Other	LALC			[1718]	[1819]	[1920]	[2021]	[2122]
		Eastern Osprey		Far North Coast	Vulnerable	Community Education	93	Disseminate community engagement materials	TI CL;LGA;OEH				[1718]	[1819]	[1920]	[2021]	[2122]
		EEC: Coastal cypress pine forest		Scattered area's across FNC LGA's		Hazard Reduction	147	Implement appropriate fire regimes	TI CL;LGA;OEH;Private;RMS;DPI;Defence;ARTC;Other	LALC			[1718]	[1819]	[1920]	[2021]	[2122]
						Ignition Management	92	Attempt to exclude fire from habitat	TI CL;LGA;OEH;FRNSW;Private;RFS		FRNSW;RFS		[1718]	[1819]	[1920]	[2021]	[2122]
		EEC: Coastal Salt Marsh		Pottsville, Tweed Heads,		Preparedness	148	Avoid ground disturbance in known locations	TI CL;LGA;OEH;Private		FRNSW;RFS		[1718]	[1819]	[1920]	[2021]	[2122]
		EEC: Littoral Rainforest		Coastal sands		Ignition Management	92	Attempt to exclude fire from habitat	TI CL;LGA;OEH;FRNSW;Private;RFS		FRNSW;RFS		[1718]	[1819]	[1920]	[2021]	[2122]
		EEC: Themeda grassland on seacliffs and coastal headlands		Headlands along coastal strip across FNC LGA's		Hazard Reduction	147	Implement appropriate fire regimes	TI CL;LGA;OEH;Private;RMS;DPI;Defence;ARTC;Other	LALC			[1718]	[1819]	[1920]	[2021]	[2122]
						Preparedness	148	Avoid ground disturbance in known locations	TI CL;LGA;OEH;Private		FRNSW;RFS		[1718]	[1819]	[1920]	[2021]	[2122]
						Ignition Management	92	Attempt to exclude fire from habitat	TI CL;LGA;OEH;FRNSW;Private;RFS		FRNSW;RFS		[1718]	[1819]	[1920]	[2021]	[2122]
		Giant Barred Frog			Endangered	Preparedness	148	Avoid ground disturbance in known locations	TI CL;LGA;OEH;Private		FRNSW;RFS		[1718]	[1819]	[1920]	[2021]	[2122]
						Hazard Reduction	147	Implement appropriate fire regimes	TI CL;LGA;OEH;Private;RMS;DPI;Defence;ARTC;Other	LALC			[1718]	[1819]	[1920]	[2021]	[2122]
		Glossy Black Cockatoo		Far North Coast	Vulnerable	Preparedness	149	Limit Impact Hollow Bearing Trees	TI CL;LGA;OEH;Private;DPI;ARTC				[1718]	[1819]	[1920]	[2021]	[2122]
						Ignition Management	92	Attempt to exclude fire from habitat	TI CL;LGA;OEH;FRNSW;Private;RFS		FRNSW;RFS		[1718]	[1819]	[1920]	[2021]	[2122]
		Green and Golden Bell Frog	Environmental	Large freshwater water bodies	Endangered	Preparedness	148	Avoid ground disturbance in known locations	TI CL;LGA;OEH;Private		FRNSW;RFS		[1718]	[1819]	[1920]	[2021]	[2122]
		Hydroponic industries	Economic	Ballina, Byron and Tweed	Agricultural												
		Isolated Rural Dwellings Central Tweed Coast <10 degrees slope	Human Settlement	Cudgera Creek, Reserve Creek, Clothiers Creek, Palmvale, Sleepy Hollow, Cudgen	Residential		21	Maintain an Asset Protection Zone on the interface	Private		TI CL;LGA;OEH;FRNSW;RMS;RFS		[1718]	[1819]	[1920]	[2021]	[2122]
						Hazard Reduction	147	Implement appropriate fire regimes	TI CL;LGA;OEH;Private;RMS;DPI;Defence;ARTC;Other	LALC			[1718]	[1819]	[1920]	[2021]	[2122]
		Masked Owl			Vulnerable	Preparedness	149	Limit Impact Hollow Bearing Trees	TI CL;LGA;OEH;Private;DPI;ARTC				[1718]	[1819]	[1920]	[2021]	[2122]
						Hazard Reduction	147	Implement appropriate fire regimes	TI CL;LGA;OEH;Private;RMS;DPI;Defence;ARTC;Other	LALC			[1718]	[1819]	[1920]	[2021]	[2122]
		Pink Nodding Orchid			Endangered	Preparedness	148	Avoid ground disturbance in known locations	TI CL;LGA;OEH;Private		FRNSW;RFS		[1718]	[1819]	[1920]	[2021]	[2122]
						Hazard Reduction	147	Implement appropriate fire regimes	TI CL;LGA;OEH;Private;RMS;DPI;Defence;ARTC;Other	LALC			[1718]	[1819]	[1920]	[2021]	[2122]
		Powerful Owl			Vulnerable	Preparedness	149	Limit Impact Hollow Bearing Trees	TI CL;LGA;OEH;Private;DPI;ARTC				[1718]	[1819]	[1920]	[2021]	[2122]
		Pygmy Bishop's Hat		Far North Coast	Endangered	Hazard Reduction	147	Implement appropriate fire regimes	TI CL;LGA;OEH;Private;RMS;DPI;Defence;ARTC;Other	LALC			[1718]	[1819]	[1920]	[2021]	[2122]
		Ravine Orchid		Creeklines, RF, WSF	Vulnerable			Attempt to exclude fire from habitat	TI CL;LGA;OEH;FRNSW;Private;RFS		FRNSW;RFS		[1718]	[1819]	[1920]	[2021]	[2122]
		Red Fruited Ebony		Riparian vegetation		Ignition Management	92	Attempt to exclude fire from habitat	TI CL;LGA;OEH;FRNSW;Private;RFS		FRNSW;RFS		[1718]	[1819]	[1920]	[2021]	[2122]
						Community Education	93	Disseminate community engagement materials	TI CL;LGA;OEH				[1718]	[1819]	[1920]	[2021]	[2122]
		Red Tailed Black Cockatoo (Coastal sub species)			Endangered	Hazard Reduction	147	Implement appropriate fire regimes	TI CL;LGA;OEH;Private;RMS;DPI;Defence;ARTC;Other	LALC			[1718]	[1819]	[1920]	[2021]	[2122]
						Preparedness	149	Limit Impact Hollow Bearing Trees	TI CL;LGA;OEH;Private;DPI;ARTC				[1718]	[1819]	[1920]	[2021]	[2122]
		Rufous Bettong	Environmental	Far North Coast	Vulnerable		147	Implement appropriate fire regimes	TI CL;LGA;OEH;Private;RMS;DPI;Defence;ARTC;Other	LALC			[1718]	[1819]	[1920]	[2021]	[2122]
		Rural Areas Grassland and Camphor	Human Settlement	Mullumbimby, Federal, Myocum, Coorabell, Eureka, Clunes, Nashua, Booyong, Binna Burra, Possum Creek, Coopers Shoot, Brooklet,	Residential	Hazard Reduction	21	Maintain an Asset Protection Zone on the interface	Private		TI CL;LGA;OEH;FRNSW;RMS;RFS		[1718]	[1819]	[1920]	[2021]	[2122]
		Short-Footed Screw Fern	Environmental		Endangered	Ignition Management	92	Attempt to exclude fire from habitat	TI CL;LGA;OEH;FRNSW;Private;RFS		FRNSW;RFS		[1718]	[1819]	[1920]	[2021]	[2122]
							117	Implement AHIMS Management Conditions	TI CL;LGA;OEH;FRNSW;Private;RFS;DPI;ARTC				[1718]	[1819]	[1920]	[2021]	[2122]
		Site Group Five Sites	Cultural Heritage		Aboriginal Significance		161	Maintain APZ and SFAZ	Other	Land Councils	LGA;OEH		[1718]	[1819]	[1920]	[2021]	[2122]
						Hazard Reduction	147	Implement appropriate fire regimes	TI CL;LGA;OEH;Private;RMS;DPI;Defence;ARTC;Other	LALC			[1718]	[1819]	[1920]	[2021]	[2122]
		Speckled Warbler	Environmental	Far North Coast	Vulnerable	Preparedness	148	Avoid ground disturbance in known locations	TI CL;LGA;OEH;Private		FRNSW;RFS		[1718]	[1819]	[1920]	[2021]	[2122]
		Sugar Cane		Ballina, Byron and Tweed		Ignition Management	119	Maintain Fire Permit system for cane harvesting	RFS;Other	Growers			[1718]	[1819]	[1920]	[2021]	[2122]
		Tree Crops		Ballina, Byron and Tweed Shires	Agricultural	Community Education	114	Maintain Farm Fireweed Program	RFS				[1718]	[1819]	[1920]	[2021]	[2122]
0		Wilson's Creek Catchment	Economic	Wilson Creek, Mullumbimby area	Drinking Water	Hazard Reduction	165	Maintain an Asset Protection Zone	Other	Rous Water			[1718]	[1819]	[1920]	[2021]	[2122]
						Community Education	3	Conduct a Firewise Street Meeting	RFS		LGA;OEH		[1718]			[2021]	
31		Patches Beach	Human Settlement	South Ballina	Residential		38	Maintain roadside slashing regime Patches Beach	LGA				[1718]	[1819]	[1920]	[2021]	[2122]
53		Wollumbin Scout Camp		Cudgen	Tourist and Recreation		2	Maintain an Asset Protection Zone on the interface	TI CL;OEH;Private				[1718]	[1819]	[1920]	[2021]	[2122]
65		Ballina - Byron Gateway Airport	Economic	Ballina	Infrastructure	Hazard Reduction	99	Maintain slashing regime	LGA				[1718]	[1819]	[1920]	[2021]	[2122]
67		Mt Warning Caravan Park		Mt Warning	Special Fire Protection	Community Education	62	Disseminate Community Education Materials	FRNSW;RFS		LGA;OEH		[1718]	[1819]	[1920]	[2021]	[2122]
81		Mt Nullum Area		Glennock, Braeside, Bakers Roads, Boulder Close, Stokers Siding, Smiths Creek			81	Maintain an APZ adjacent to assets at risk	Private		TI CL;LGA;FRNSW;RFS		[1718]	[1819]	[1920]	[2021]	[2122]
86		Pottsville Coast		east of Coast Road Pottsville	Residential		18	Maintain an Asset Protection Zone on the interface	TI CL;LGA				[1718]	[1819]	[1920]	[2021]	[2122]
87		Pottsville SFPDs		Pottsville	Special Fire Protection		31	Implement land management burn	LGA		RFS		[1819]				
89		South Kingscliff, Casuarina		East of Coast Road south of Kingscliff		Hazard Reduction	2	Maintain an Asset Protection Zone on the interface	TI CL;OEH;Private				[1718]	[1819]	[1920]	[2021]	[2122]
90		Billinudgel		Billinudgel and surrounds		Community Education	33	Annual Media Release	LGA;FRNSW;RFS				[1718]	[1819]	[1920]	[2021]	[2122]
91		Tyagarah		east of highway Tyagarah, Prestons, Greys and Tandys Lane		Property Planning	64	Maintain APZ and SFAZ	OEH		TI CL;LGA;FRNSW		[1718]	[1819]	[1920]	[2021]	[2122]
95		West Lennox Village		Adjacent to Byron Bay Road (Coast Road bypass)			33	Annual Media Release	LGA;FRNSW;RFS				[1718]	[1819]	[1920]	[2021]	[2122]
96		Chillingham Village		Chillingham		Community Education	88	Community meeting	RFS				[1718]	[1819]	[1920]	[2021]	[2122]
97		Terranora Escarpment		Bilambil Heights, Terranora		Hazard Reduction	77	Maintain an Asset Protection Zone on the interface	Private		LGA;FRNSW;RFS		[1718]	[1819]	[1920]	[2021]	[2122]
99		Burringbar Village		Burringbar		Community Education	90	Community Engagement	LGA;RFS				[1718]	[1819]	[1920]	[2021]	[2122]
101		Kingscliff Area		Kingscliff, Chinderah area			109	Maintain an APZ on the interface	LGA;Private				[1718]	[1819]	[1920]	[2021]	[2122]
							47	Maintain roadside slashing regime Ferry Boat Road	LGA				[1718]	[1819]	[1920]	[2021]	[2122]
105		Ferry Boat Road West Ballina		West Ballina	Residential	Hazard Reduction	48	Maintain an Asset Protection Zone on the interface	Private		RFS		[1718]	[1819]	[1920]	[2021]	[2122]
106		Billinudgel Industrial Estate		Billinudgel	Other		33	Annual Media Release	LGA;FRNSW;RFS				[1718]	[1819]	[1920]	[2021]	[2122]
109		Ferry Reserve Caravan Park		Brunswick Heads	Special Fire Protection	Community Education	62	Disseminate Community Education Materials	FRNSW;RFS		LGA;OEH		[1718]	[1819]	[1920]	[2021]	[2122]
113		Hastings Point Village		Hastings Point	Residential	Hazard Reduction	85	Implement Strategic Fire Advantage Zone	TI CL;LGA		RFS		[1718]	[1819]	[1920]	[2021]	[2122]
119		Ballina Industrial Estate		Ballina	Other		33	Annual Media Release	LGA;FRNSW;RFS				[1718]	[1819]	[1920]	[2021]	[2122]
120		Alstonville High School		Alstonville	Special Fire Protection		54	Maintain Schools community education program	FRNSW;RFS				[1718]	[1819]	[1920]	[2021]	[2122]
122		Crabbes Creek and Mooball Villages		Crabbes Creek and Mooball			140	Community Engagement	LGA;RFS				[1718]		[1920]		[2122]



Priority (Risk Rating)	Asset ID	Asset Name	Class	Asset Location	Subclass	Strategy	Treatment ID	Action Description	Responsible Agencies	Other RA	Support Agencies	Other SA	1718	1819	1920	2021	2122					
4 (Medium)	123	Murwillumbah Area	Human Settlement	Murwillumbah	Residential	Community Education	141	Community Engagement	LGA;FRNSW;RFS				[1718]	[1819]	[1920]	[2021]	[2122]					
	125	Tyalgum Village		Tyalgum			33	Annual Media Release	LGA;FRNSW;RFS							[1718]	[1819]	[1920]	[2021]	[2122]		
	127	Baywood Chase		Suffolk Park			142	Community Engagement	FRNSW		LGA;RFS					[1718]	[1819]	[1920]	[2021]	[2122]		
	128	Sunrise Industrial Estate	Economic	Byron Bay	Other	Hazard Reduction	33	Annual Media Release	LGA;FRNSW;RFS					[1718]	[1819]	[1920]	[2021]	[2122]				
	133	Emigrant Creek Dam		Brooklet			Infrastructure	58	Maintain Strategic Fire Advantage Zone	TI CL;LGA;OEH;Private		RFS				[1718]	[1819]	[1920]	[2021]	[2122]		
	147	Curumbin (Qld)	Human Settlement	Assets adjoining the QLD/NSW border	Residential	Community Education	60	Maintain Strategic Fire Advantage Zone	ARTC					[1718]	[1819]	[1920]	[2021]	[2122]				
	148	Upper Coopers Creek Primary School		Upper Coopers Creek	Special Fire Protection		152	Maintain an Asset Protection Zone on the interface	TI CL;LGA;Private						[1718]	[1819]	[1920]	[2021]	[2122]			
	155	Piggabeen		Piggabeen	Residential		54	Maintain Schools community education program	FRNSW;RFS						[1718]	[1819]	[1920]	[2021]	[2122]			
	171	NSP: Murwillumbah Information Centre	Economic	Wollumbin Street, Murwillumbah	Other	Hazard Reduction	33	Annual Media Release	LGA;FRNSW;RFS					[1718]	[1819]	[1920]	[2021]	[2122]				
	165	Ballina Drinking Water Catchments		Drinking Water	166		Maintain fuels in accordance with Guidelines	TI CL;LGA;Private		RFS					[1718]	[1819]	[1920]	[2021]	[2122]			
	0	165	Brown Fairy Chain Orchid	Environmental	Far North Coast	Vulnerable	Hazard Reduction	165	Maintain an Asset Protection Zone	Other	Rous Water			[1718]	[1819]	[1920]	[2021]	[2122]				
		92	Diamond Fire Tail					Ignition Management	92	Attempt to exclude fire from habitat	TI CL;LGA;OEH;FRNSW;Private;RFS		FRNSW;RFS					[1718]	[1819]	[1920]	[2021]	[2122]
		147	Eastern Bent Wing Bat					Tweed Coast	147	Implement appropriate fire regimes	TI CL;LGA;OEH;Private;RMS;DPI;Defence;ARTC;Other	LALC						[1718]	[1819]	[1920]	[2021]	[2122]
		147	EEC: Swamp Oak floodplain forest	Environmental	Located across all FNC LGA's	Endangered	Hazard Reduction	147	Implement appropriate fire regimes	TI CL;LGA;OEH;Private;RMS;DPI;Defence;ARTC;Other	LALC				[1718]	[1819]	[1920]	[2021]	[2122]			
		92	Giant Spear Lily		Wollumbin NP	Vulnerable		Ignition Management	92	Attempt to exclude fire from habitat	TI CL;LGA;OEH;FRNSW;Private;RFS		FRNSW;RFS			[1718]	[1819]	[1920]	[2021]	[2122]		
		114	Grazing Land	Economic	Ballina, Byron and Tweed	Agricultural	Community Education	114	Maintain Farm Firewise Program	RFS					[1718]	[1819]	[1920]	[2021]	[2122]			
		147	Green Thighed Frog		Far North Coast	Vulnerable		Hazard Reduction	147	Implement appropriate fire regimes	TI CL;LGA;OEH;Private;RMS;DPI;Defence;ARTC;Other	LALC				[1718]	[1819]	[1920]	[2021]	[2122]		
92		Grey Crowned Babbler Eastern Sub Species	Environmental	Far North Coast	Vulnerable	Hazard Reduction	92	Attempt to exclude fire from habitat	TI CL;LGA;OEH;FRNSW;Private;RFS		FRNSW;RFS			[1718]	[1819]	[1920]	[2021]	[2122]				
147		Isoglossa					Inner Pocket NR	147	Attempt to exclude fire from habitat	TI CL;LGA;OEH;FRNSW;Private;RFS		FRNSW;RFS					[1718]	[1819]	[1920]	[2021]	[2122]	
92		Needle-leaf Fern					Far North Coast	92	Attempt to exclude fire from habitat	TI CL;LGA;OEH;FRNSW;Private;RFS		FRNSW;RFS					[1718]	[1819]	[1920]	[2021]	[2122]	
147		Nightcap Oak	Environmental	Far North Coast	Endangered	Hazard Reduction	147	Attempt to exclude fire from habitat	TI CL;LGA;OEH;FRNSW;Private;RFS		FRNSW;RFS			[1718]	[1819]	[1920]	[2021]	[2122]				
92		Olive Whistler					OEH estate	92	Attempt to exclude fire from habitat	TI CL;LGA;OEH;FRNSW;Private;RFS		FRNSW;RFS					[1718]	[1819]	[1920]	[2021]	[2122]	
147		Red Bopple Nut	Environmental	Far North Coast	Vulnerable	Hazard Reduction	147	Implement appropriate fire regimes	TI CL;LGA;OEH;Private;RMS;DPI;Defence;ARTC;Other	LALC				[1718]	[1819]	[1920]	[2021]	[2122]				
92		Rufous Scrub Bird					Far North Coast	92	Attempt to exclude fire from habitat	TI CL;LGA;OEH;FRNSW;Private;RFS		FRNSW;RFS					[1718]	[1819]	[1920]	[2021]	[2122]	
92		SFPDs Rural Grassland Areas	Human Settlement	Fernleigh, St Josephs Alstonville	Special Fire Protection	Ignition Management	92	Attempt to exclude fire from habitat	TI CL;LGA;OEH;FRNSW;Private;RFS					[1718]	[1819]	[1920]	[2021]	[2122]				
149		Sooty Owl	Environmental	Far North Coast	Vulnerable	Preparedness	149	Limit Impact Hollow Bearing Trees	TI CL;LGA;OEH;Private;DPI;ARTC					[1718]	[1819]	[1920]	[2021]	[2122]				
54		Bogangar Primary	Human Settlement	Tweed Coast Road Bogangar	Special Fire Protection	Community Education	54	Maintain Schools community education program	FRNSW;RFS					[1718]	[1819]	[1920]	[2021]	[2122]				
2	Hastings Point WWTP	Economic				Round Mountain	Commercial	Hazard Reduction	2	Maintain an Asset Protection Zone on the interface	TI CL;OEH;Private					[1718]	[1819]	[1920]	[2021]	[2122]		
63	Ferry Boat Road Tourist Facilities	Human Settlement	West Ballina	Special Fire Protection	Property Planning	63	Develop a Community Protection Plan	RFS		TI CL;LGA;OEH;FRNSW;ARTC			[1718]	[1819]	[1920]	[2021]	[2122]					
124	Tweed Heads WWTP				Economic	Tweed Heads West	Commercial	124	Slash Asset Protection Zones	LGA					[1718]	[1819]	[1920]	[2021]	[2122]			
48	Bangalore Retreat	Human Settlement	Cabarita Road	Special Fire Protection	Hazard Reduction	48	Maintain an Asset Protection Zone on the interface	Private		RFS			[1718]	[1819]	[1920]	[2021]	[2122]					
124	Cabarita Sports Club				124	Slash Asset Protection Zones	LGA			[1718]	[1819]	[1920]	[2021]	[2122]								
156	Pacific Pines Estate Lennox Head	Human Settlement	Pacific Pines, Elevation and Aspects subdivisions	Residential	Hazard Reduction	156	Maintain an Asset Protection Zone on the interface	Private		TI CL;LGA;FRNSW;RFS			[1718]	[1819]	[1920]	[2021]	[2122]					
33	Cumalun Area				East of Pacific Highway Ballina, including Ballina Hts estate	33	Annual Media Release	LGA;FRNSW;RFS							[1718]	[1819]	[1920]	[2021]	[2122]			
18	Hardings Saw Mill				North Creek, Ballina Water Tower area, Fishery Creek, West Ballina	18	Maintain an Asset Protection Zone on the interface	TI CL;LGA							[1718]	[1819]	[1920]	[2021]	[2122]			
41	Uki WWTP	Economic	Uki	Commercial	Preparedness	41	Maintain Fire Trails	TI CL;LGA;Private		RFS			[1718]	[1819]	[1920]	[2021]	[2122]					
124	Uki Village				various	124	Slash Asset Protection Zones	LGA							[1718]	[1819]	[1920]	[2021]	[2122]			
33	South Side of Lennox Village	Human Settlement	West of Highway	Special Fire Protection	Community Education	33	Annual Media Release	LGA;FRNSW;RFS					[1718]	[1819]	[1920]	[2021]	[2122]					
41	Pocket and Billinudgel PS				41	Maintain Fire Trails	TI CL;LGA;Private								[1718]	[1819]	[1920]	[2021]	[2122]			
33	Meadows Estate	Human Settlement	South of Coast Road Lennox head	Residential	Community Education	33	Annual Media Release	LGA;FRNSW;RFS					[1718]	[1819]	[1920]	[2021]	[2122]					
18	Assets Adjoining Isolated Bushland Areas Ballina				18	Maintain an Asset Protection Zone on the interface	TI CL;LGA								[1718]	[1819]	[1920]	[2021]	[2122]			
41	Hardings Saw Mill	Economic	Uki	Commercial	Preparedness	41	Maintain Fire Trails	TI CL;LGA;Private		RFS			[1718]	[1819]	[1920]	[2021]	[2122]					
124	Uki Village				various	124	Slash Asset Protection Zones	LGA							[1718]	[1819]	[1920]	[2021]	[2122]			
33	South Side of Lennox Village	Human Settlement	West of Highway	Special Fire Protection	Community Education	33	Annual Media Release	LGA;FRNSW;RFS					[1718]	[1819]	[1920]	[2021]	[2122]					
41	Pocket and Billinudgel PS				41	Maintain Fire Trails	TI CL;LGA;Private								[1718]	[1819]	[1920]	[2021]	[2122]			
33	Meadows Estate	Human Settlement	South of Coast Road Lennox head	Residential	Community Education	33	Annual Media Release	LGA;FRNSW;RFS					[1718]	[1819]	[1920]	[2021]	[2122]					
18	Assets Adjoining Isolated Bushland Areas Ballina				18	Maintain an Asset Protection Zone on the interface	TI CL;LGA								[1718]	[1819]	[1920]	[2021]	[2122]			
41	Hardings Saw Mill	Economic	Uki	Commercial	Preparedness	41	Maintain Fire Trails	TI CL;LGA;Private		RFS			[1718]	[1819]	[1920]	[2021]	[2122]					
124	Uki Village				various	124	Slash Asset Protection Zones	LGA							[1718]	[1819]	[1920]	[2021]	[2122]			
33	South Side of Lennox Village	Human Settlement	West of Highway	Special Fire Protection	Community Education	33	Annual Media Release	LGA;FRNSW;RFS					[1718]	[1819]	[1920]	[2021]	[2122]					
41	Pocket and Billinudgel PS				41	Maintain Fire Trails	TI CL;LGA;Private								[1718]	[1819]	[1920]	[2021]	[2122]			
33	Meadows Estate	Human Settlement	South of Coast Road Lennox head	Residential	Community Education	33	Annual Media Release	LGA;FRNSW;RFS					[1718]	[1819]	[1920]	[2021]	[2122]					
18	Assets Adjoining Isolated Bushland Areas Ballina				18	Maintain an Asset Protection Zone on the interface	TI CL;LGA								[1718]	[1819]	[1920]	[2021]	[2122]			
41	Hardings Saw Mill	Economic	Uki	Commercial	Preparedness	41	Maintain Fire Trails	TI CL;LGA;Private		RFS			[1718]	[1819]	[1920]	[2021]	[2122]					
124	Uki Village				various	124	Slash Asset Protection Zones	LGA							[1718]	[1819]	[1920]	[2021]	[2122]			
33	South Side of Lennox Village	Human Settlement	West of Highway	Special Fire Protection	Community Education	33	Annual Media Release	LGA;FRNSW;RFS					[1718]	[1819]	[1920]	[2021]	[2122]					
41	Pocket and Billinudgel PS				41	Maintain Fire Trails	TI CL;LGA;Private								[1718]	[1819]	[1920]	[2021]	[2122]			
33	Meadows Estate	Human Settlement	South of Coast Road Lennox head	Residential	Community Education	33	Annual Media Release	LGA;FRNSW;RFS					[1718]	[1819]	[1920]	[2021]	[2122]					
18	Assets Adjoining Isolated Bushland Areas Ballina				18	Maintain an Asset Protection Zone on the interface	TI CL;LGA								[1718]	[1819]	[1920]	[2021]	[2122]			
41	Hardings Saw Mill	Economic	Uki	Commercial	Preparedness	41	Maintain Fire Trails	TI CL;LGA;Private		RFS			[1718]	[1819]	[1920]	[2021]	[2122]					
124	Uki Village				various	124	Slash Asset Protection Zones	LGA							[1718]	[1819]	[1920]	[2021]	[2122]			
33	South Side of Lennox Village	Human Settlement	West of Highway	Special Fire Protection	Community Education	33	Annual Media Release	LGA;FRNSW;RFS					[1718]	[1819]	[1920]	[2021]	[2122]					
41	Pocket and Billinudgel PS				41	Maintain Fire Trails	TI CL;LGA;Private								[1718]	[1819]	[1920]	[2021]	[2122]			
33	Meadows Estate	Human Settlement	South of Coast Road Lennox head	Residential	Community Education	33	Annual Media Release	LGA;FRNSW;RFS					[1718]	[1819]	[1920]	[2021]	[2122]					
18	Assets Adjoining Isolated Bushland Areas Ballina				18	Maintain an Asset Protection Zone on the interface	TI CL;LGA								[1718]	[1819]	[1920]	[2021]	[2122]			
41	Hardings Saw Mill	Economic	Uki	Commercial	Preparedness	41	Maintain Fire Trails	TI CL;LGA;Private		RFS			[1718]	[1819]	[1920]	[2021]	[2122]					
124	Uki Village				various	124	Slash Asset Protection Zones	LGA							[1718]	[1819]	[1920]	[2021]	[2122]			
33	South Side of Lennox Village	Human Settlement	West of Highway	Special Fire Protection	Community Education	33	Annual Media Release	LGA;FRNSW;RFS					[1718]	[1819]	[1920]	[2021]	[2122]					
41	Pocket and Billinudgel PS				41	Maintain Fire Trails	TI CL;LGA;Private								[1718]	[1819]	[1920]	[2021]	[2122]			
33	Meadows Estate	Human Settlement	South of Coast Road Lennox head	Residential	Community Education	33	Annual Media Release	LGA;FRNSW;RFS					[1718]	[1819]	[1920]	[2021]	[2122]					
18	Assets Adjoining Isolated Bushland Areas Ballina				18	Maintain an Asset Protection Zone on the interface	TI CL;LGA								[1718]	[1819]	[1920]	[2021]	[2122]			
41	Hardings Saw Mill	Economic	Uki	Commercial	Preparedness	41	Maintain Fire Trails	TI CL;LGA;Private		RFS			[1718]	[1819]	[1920]	[2021]	[2122]					
124	Uki Village				various	124	Slash Asset Protection Zones	LGA							[1718]	[1819]	[1920]	[2021]	[2122]			
33	South Side of Lennox Village	Human Settlement	West of Highway	Special Fire Protection	Community Education	33	Annual Media Release	LGA;FRNSW;RFS					[1718]	[1819]	[1920]	[2021]	[2122]					
41	Pocket and Billinudgel PS				41	Maintain Fire Trails	TI CL;LGA;Private								[1718]	[1819]	[1920]	[2021]	[2122]			
33	Meadows Estate	Human Settlement																				

Priority (Risk Rating)	Asset ID	Asset Name	Class	Asset Location	Subclass	Strategy	Treatment ID	Action Description	Responsible Agencies	Other RA	Support Agencies	Other SA	1718	1819	1920	2021	2122
NA (Low)	166	NSP: Hastings Point Foreshore Park	Human Settlement	Tweed Coast Way, Hastings Point (opposite Hastings Point Holiday Park)	Other	Hazard Reduction	166	Maintain fuels in accordance with Guidelines	TI CL;LGA;Private		RFS		[1718]	[1819]	[1920]	[2021]	[2122]
	167	NSP: Council Park		Philip Street, Pottsville				Maintain fuels in accordance with Guidelines	TI CL;LGA;Private		RFS		[1718]	[1819]	[1920]	[2021]	[2122]
	168	NSP: Tweed River Showground		Corner Moobal Street and Queensland Road, Murwillumbah				Maintain fuels in accordance with Guidelines	TI CL;LGA;Private		RFS		[1718]	[1819]	[1920]	[2021]	[2122]
	169	NSP: Barbara Rochester Park		Tallowood Avenue, Cabarita				Maintain fuels in accordance with Guidelines	TI CL;LGA;Private		RFS		[1718]	[1819]	[1920]	[2021]	[2122]
	170	NSP: Tumbulgum Sports Fields		Bawden Street, Tumbulgum				Maintain fuels in accordance with Guidelines	TI CL;LGA;Private		RFS		[1718]	[1819]	[1920]	[2021]	[2122]
	172	NSP: Banner Park		Mullumbimby Street Brunswick Heads				Maintain fuels in accordance with Guidelines	TI CL;LGA;Private		RFS		[1718]	[1819]	[1920]	[2021]	[2122]
	173	NSP: Byron Bay Golf Club		Broken Head Road Byron Bay				Maintain fuels in accordance with Guidelines	TI CL;LGA;Private		RFS		[1718]	[1819]	[1920]	[2021]	[2122]
	174	NSP: Byron Bay Surf Club		Bay Street Byron Bay				Maintain fuels in accordance with Guidelines	TI CL;LGA;Private		RFS		[1718]	[1819]	[1920]	[2021]	[2122]
	175	NSP: Byron Regional Sport and Cultural Complex		Ewingsdale Road Byron Bay				Maintain fuels in accordance with Guidelines	TI CL;LGA;Private		RFS		[1718]	[1819]	[1920]	[2021]	[2122]
	176	NSP: Council Depot and Training Rooms		Bayshore Drive Byron Bay				Maintain fuels in accordance with Guidelines	TI CL;LGA;Private		RFS		[1718]	[1819]	[1920]	[2021]	[2122]
	177	NSP: Durrumbul Primary School		Durrumbul Road Main Arm				Maintain fuels in accordance with Guidelines	TI CL;LGA;Private		RFS		[1718]	[1819]	[1920]	[2021]	[2122]
	178	NSP: Ocean Shores Country Club		Orana Road Ocean Shores				Maintain fuels in accordance with Guidelines	TI CL;LGA;Private		RFS		[1718]	[1819]	[1920]	[2021]	[2122]
	179	NSP: The Pocket Primary School		541 The Pocket Road, The Pocket				Maintain fuels in accordance with Guidelines	TI CL;LGA;Private		RFS		[1718]	[1819]	[1920]	[2021]	[2122]
	180	NSP: West Ballina Rugby Grounds		Kalinga Street West Ballina				Maintain fuels in accordance with Guidelines	TI CL;LGA;Private		RFS		[1718]	[1819]	[1920]	[2021]	[2122]
	181	NSP: Williams Reserve, Lennox Head		Park Lane, Lennox Head				Maintain fuels in accordance with Guidelines	TI CL;LGA;Private		RFS		[1718]	[1819]	[1920]	[2021]	[2122]
	182	NSP: Wardell Hall		Richmond Street, Wardell				Maintain fuels in accordance with Guidelines	TI CL;LGA;Private		RFS		[1718]	[1819]	[1920]	[2021]	[2122]
	183	NSP: Ballina Airport Carpark		Southern Cross Drive, Ballina				Maintain fuels in accordance with Guidelines	TI CL;LGA;Private		RFS		[1718]	[1819]	[1920]	[2021]	[2122]
	184	NSP: Wardell Public School		Richmond Street, Wardell				Maintain fuels in accordance with Guidelines	TI CL;LGA;Private		RFS		[1718]	[1819]	[1920]	[2021]	[2122]
	185	NSP: McLeans Ridges Hall		Cnr Cowlong Road and McLeans Ridges Road, McLeans Ridges				Maintain fuels in accordance with Guidelines	TI CL;LGA;Private		RFS		[1718]	[1819]	[1920]	[2021]	[2122]
186	NSP: Emmanuel Anglican College	Corner of River Street and Horizon Drive, West Ballina	Maintain fuels in accordance with Guidelines	TI CL;LGA;Private		RFS		[1718]	[1819]	[1920]	[2021]	[2122]					
187	NSP: Ballina Golf Club	Jameson Avenue, East Ballina	Maintain fuels in accordance with Guidelines	TI CL;LGA;Private		RFS		[1718]	[1819]	[1920]	[2021]	[2122]					
188	NSP: Pop Dennison Park	Compton Drive, Shaws Bay	Maintain fuels in accordance with Guidelines	TI CL;LGA;Private		RFS		[1718]	[1819]	[1920]	[2021]	[2122]					
189	NSP: Prospect Lake Park	Links Avenue (Near Chickiba Drive), East Ballina	Maintain fuels in accordance with Guidelines	TI CL;LGA;Private		RFS		[1718]	[1819]	[1920]	[2021]	[2122]					
190	NSP: Headland Reserve	Headland Drive, Skennars Head	Maintain fuels in accordance with Guidelines	TI CL;LGA;Private		RFS		[1718]	[1819]	[1920]	[2021]	[2122]					

## **Appendix 1-8 Maps**

*Map 1 – North East Tweed*

*Map 2 – Central Tweed Coast*

*Map 3 – Central Tweed*

*Map 4 - Western Tweed*

*Map 5 – North Byron and South East Tweed*

*Map 6 – Central Byron Shire*

*Map 7 – Byron Bay and Hinterland*

*Map 8 – Ballina Coast and Hinterland*





Map Ref	Asset name	Asset type	Subtype	Risk level	Priority	Treatment
NA	Site Group Three Sites	Cultural	Aboriginal	Extreme	1B	T117;161
141	Wommin Bay Village	Human	Special Fire	Extreme	1B	T25;75
NA	Interstate Direct Link	Economic	Infrastructure	Very High	2A	T163;164
NA	Tweed Shire Coastal Tourism Industry	Economic	Tourist and	Very High	2A	T2;62
NA	Site Group One Sites	Cultural	Aboriginal	Very High	2A	T117;161
34	Bilambil Heights Peninsula	Human	Residential	Very High	2A	T108;77
76	Private Forestry Plantations	Economic	Commercial	Very High	2A	T112
78	Fingal Head Area	Human	Residential	Very High	2A	T16;25
100	Palm Lake Resort	Human	Special Fire	Very High	2A	T62
102	Kingscliff schools	Human	Special Fire	Very High	2A	T156
NA	Traffic on Major Roads	Economic	Infrastructure	Very High	2C	T121
20	Minjungbal Cultural Centre	Economic	Tourist and	High	3A	T64
69	Banora Point WWTP	Economic	Commercial	High	3A	T124
NA	Coastal Rural Dwellings on Forested	Human	Residential	High	3B	T33;153;160
46	Tweed Heads South SFPD	Human	Special Fire	High	3B	T33
79	Fingal Head SFPD	Human	Special Fire	High	3B	T62;16
NA	Assets Adjoining Isolated Bushland	Human	Residential	Medium	4	T21
NA	Tree Crops	Economic	Agricultural	Medium	4	T114
97	Terranora Escarpment	Human	Residential	Medium	4	T77
101	Kingscliff Area	Human	Residential	Medium	4	T109
147	Curumbin (Old)	Human	Residential	Medium	4	T152
155	Piggabean	Human	Residential	Medium	4	T33
68	Tweed Heads WWTP	Economic	Commercial	Low	NA	T124
77	Bangalore Retreat	Human	Special Fire	Low	NA	T156
126	Bilambil Village	Human	Residential	Low	NA	T33
144	Chinderah Industrial Estate	Human	Other	Low	NA	T33

# Far North Coast BFMC Bush Fire Risk Management Plan 2017

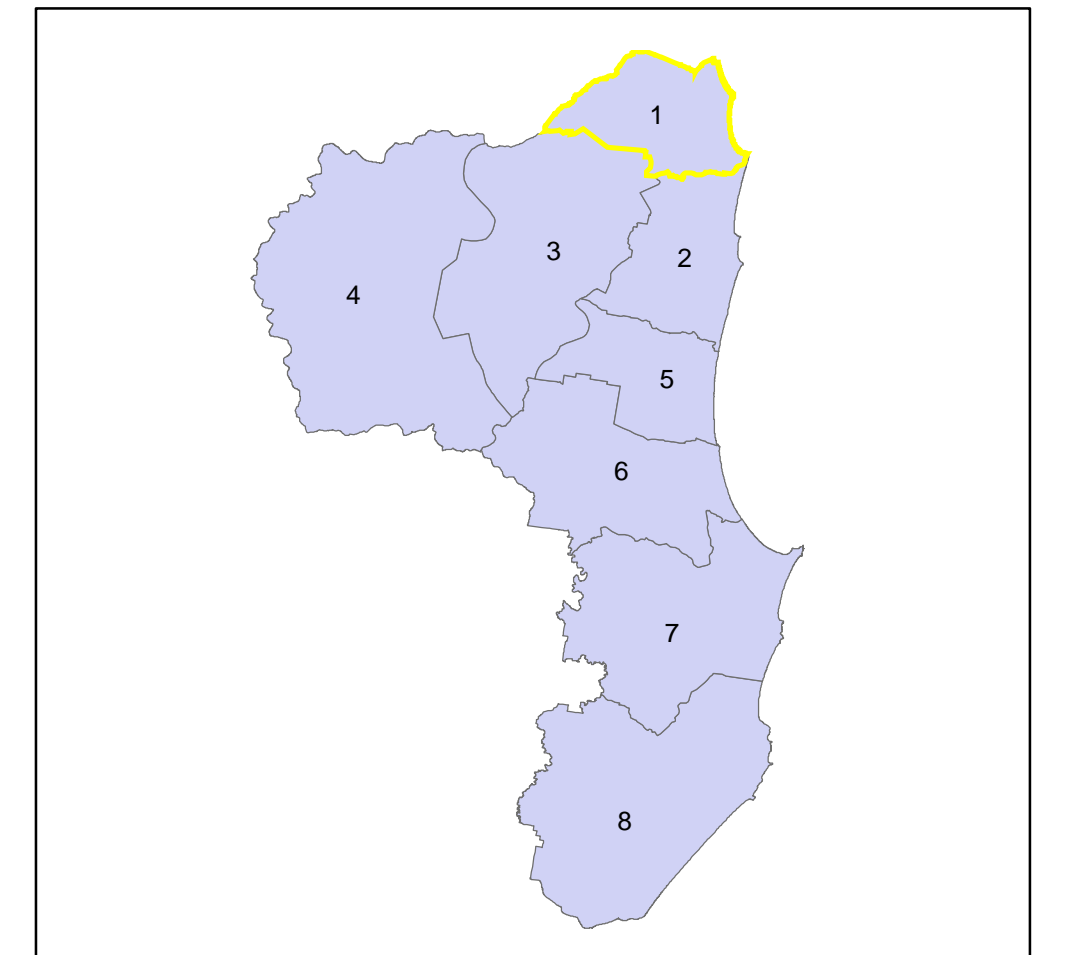
North East Tweed - Map Display Area  
Map 1 of 8

This Bush Fire Risk Management Plan (BFRMP) has been prepared by the Far North Coast 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:
- 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 Far North Coast BFMC, covering the local government areas of Ballina, Byron and Tweed. 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 Far North Coast 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 Far North Coast 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 Far North Coast 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 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 fire, 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 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 SFAZ has an OFH of less than high.
<b>Land Management Zone</b>	To meet relevant land management objectives in area 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.	NA	Variable dependant on size of fire sensitive area requiring protection.

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Authorized by \_\_\_\_\_ of Far North Coast BFMC.  
Date created: Wednesday, 19 April 2017  
BFRMP version 2.1.26.0

ID	Treatment strategy	Action	Agencies (Support)
T62	Community Education	Disseminate Community Education Materials	FRNSW, RFS (LGA, OEH)
T2	Hazard Reduction	Maintain an Asset Protection Zone on the	TI CL, OEH, Private
T25	Hazard Reduction	Implement Strategic Fire Advantage Zone	TI CL, LGA, Private, Tweed Byron
T64	Property Planning	Maintain APZ and SFAZ	OEH (TI CL, LGA, FRNSW)
T75	Hazard Reduction	Maintain an Asset Protection Zone on the	TI CL, Private (FRNSW, RFS)
T117	Hazard Reduction	Implement AHIMS Management Conditions	TI CL, LGA, OEH, FRNSW, Private,
T160	Hazard Reduction	Maintain an APZ adjacent to assets at risk	Private (TI CL, LGA, RFS)
T161	Hazard Reduction	Maintain APZ and SFAZ	Local Aboriginal Land Councils
T16	Ignition Management	Maintain an arson prevention program	LGA, FRNSW, Police (RFS)
T77	Hazard Reduction	Maintain an Asset Protection Zone on the	Private (LGA, FRNSW, RFS)
T108	Community Education	Conduct a Firewise Street Meeting	FRNSW (RFS)
T109	Hazard Reduction	Maintain an APZ on the interface	LGA, Private
T112	Property Planning	Prepare and implement regional fire plan	Private, FCNSW
T156	Hazard Reduction	Maintain an Asset Protection Zone on the	Private (TI CL, LGA, FRNSW, RFS)
T163	Hazard Reduction	Implement Rural Vegetation Management	Transgrid
T164	Preparedness	Maintain inspection programs	Transgrid
T33	Community Education	Annual Media Release	LGA, FRNSW, RFS
T121	Property Planning	Maintain road closure procedures	RMS, Police
T124	Hazard Reduction	Slash Asset Protection Zones	LGA
T21	Hazard Reduction	Maintain an Asset Protection Zone on the	Private (TI CL, LGA, OEH, FRNSW,
T153	Hazard Reduction	Implement Strategic Fire Advantage Zones	TI CL, LGA, Private (RFS)
T114	Community Education	Maintain Farm Firewise Program	RFS
T152	Hazard Reduction	Maintain an Asset Protection Zone on the	TI CL, LGA, Private

**Assets**

- Human - Residential
- Human - Other
- Special Fire Protection
- Economic - Agricultural
- Economic - Commercial
- Economic - Infrastructure
- Economic - Tourism and Recreational
- Economic - Mines

**Bush Fire Management Zones**

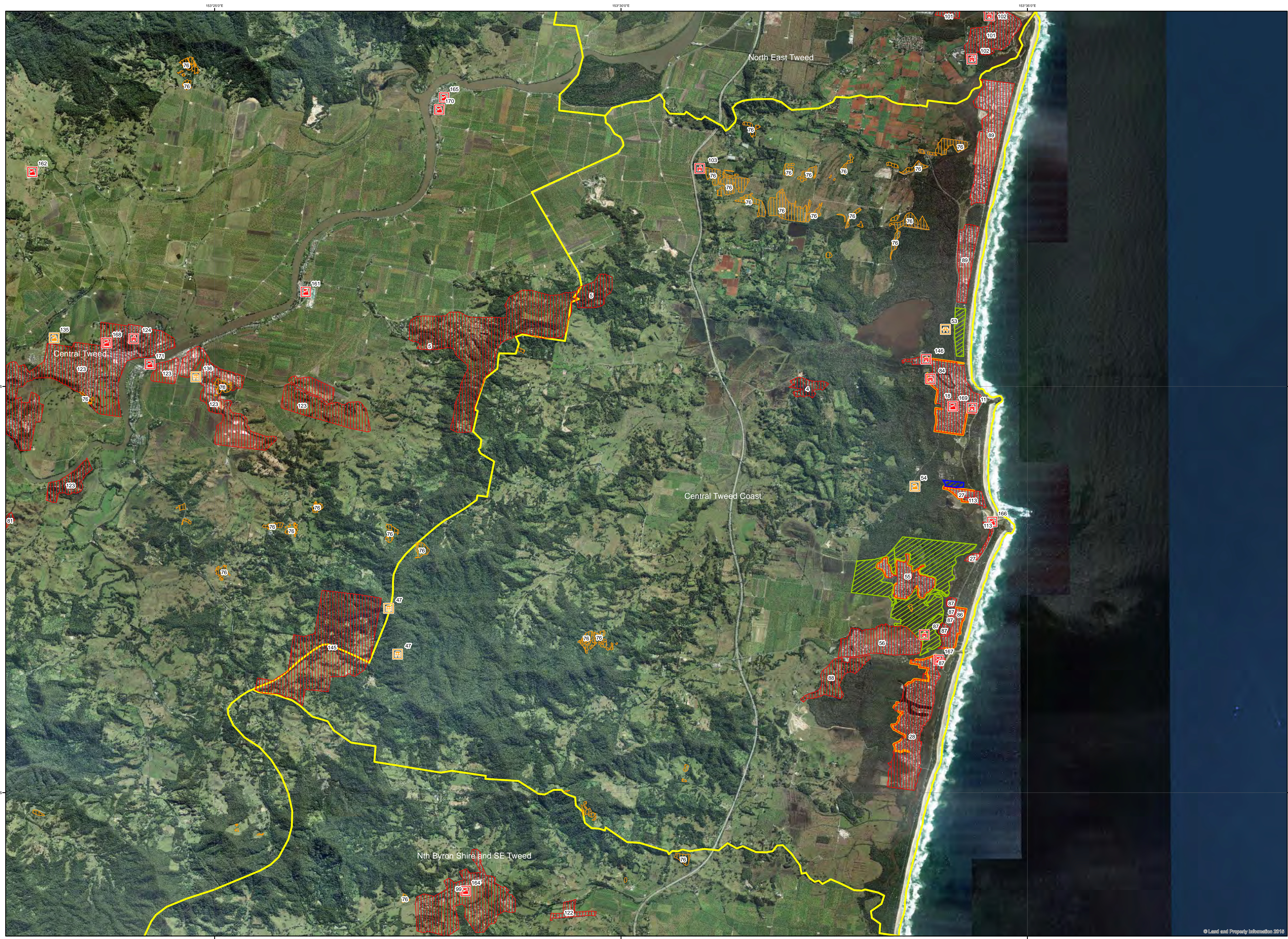
- Fire Exclusion Zone (FEZ)
- Asset Protection Zone (APZ)
- Land Management Zone (LMZ)
- Strategic Fire Advantage Zone (SFAZ)

**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 Stopping
- Drainage Perennial
- Drainage Non Perennial
- Hydro-Line Perennial
- Hydro-Line Non Perennial
- Contour (100m)
- Contour (50m)
- Map Display Area
- Local Government Area
- Crown Land
- State Forests
- National Park

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





Map Ref	Asset name	Asset type	Subtype	Risk level	Priority	Treatment
NA	Site Group Three Sites	Cultural	Aboriginal	Extreme	1B	T117;161
83	Giant Fern	Environment	Endangered	Extreme	1B	T92;93;148
NA	Olongburra Frog	Environment	Vulnerable	Extreme	1C	T147;148
NA	Site Group One Sites	Cultural	Aboriginal	Very High	2A	T117;161
NA	Tweed Shire Coastal Tourism industry	Economic	Tourist and	Very High	2A	T2;62
4	Tanglewood	Human	Residential	Very High	2A	T83
27	Hastings Point SFPDs	Human	Special Fire	Very High	2A	T83;64
76	Private Forestry Plantations	Economic	Commercial	Very High	2A	T112
103	Duranbah Public School	Human	Special Fire	Very High	2A	T156
146	Tamarind Ave Interface SFPD	Human	Special Fire	Very High	2A	T2
NA	Traffic on Major Roads	Economic	Infrastructure	Very High	2C	T121
NA	Banana Farms	Economic	Agricultural	Very High	2C	T33;120
18	Bogangar and Cabarina	Human	Residential	Very High	2C	T2;63
28	Pottsville Waters and Blacklocks Estate	Human	Residential	High	3A	T27;3
55	Koala Beach	Human	Residential	High	3A	T13;26;154
56	Seabreeze Estate	Human	Residential	High	3A	T138;154
88	Pottsville - Moobal Road	Human	Residential	High	3B	T160
NA	Assets Adjoining Isolated Bushland	Human	Residential	Medium	4	T21
NA	Site Group Five Sites	Cultural	Aboriginal	Medium	4	T117;161
NA	Isolated Rural Dwellings Central Tweed	Human	Residential	Medium	4	T21
53	Wollumbin Scout Camp	Economic	Tourist and	Medium	4	T2
86	Pottsville Coast	Human	Residential	Medium	4	T18
87	Pottsville SFPDs	Human	Special Fire	Medium	4	T31
89	South Kingscill, Casuarina	Human	Residential	Medium	4	T2
113	Hastings Point Village	Human	Residential	Medium	4	T85
11	Bogangar Primary	Human	Special Fire	Low	NA	T2;63;54
54	Hastings Point WWTP	Economic	Commercial	Low	NA	T124
166	NSP - Hastings Point Foreshore Park	Human	Other	Low	NA	T166
167	NSP - Council Park	Human	Other	Low	NA	T166
169	NSP - Barbara Rochester Park	Human	Other	Low	NA	T166

# Far North Coast BFMC Bush Fire Risk Management Plan 2017

Central Tweed Coast - Map Display Area  
Map 2 of 8

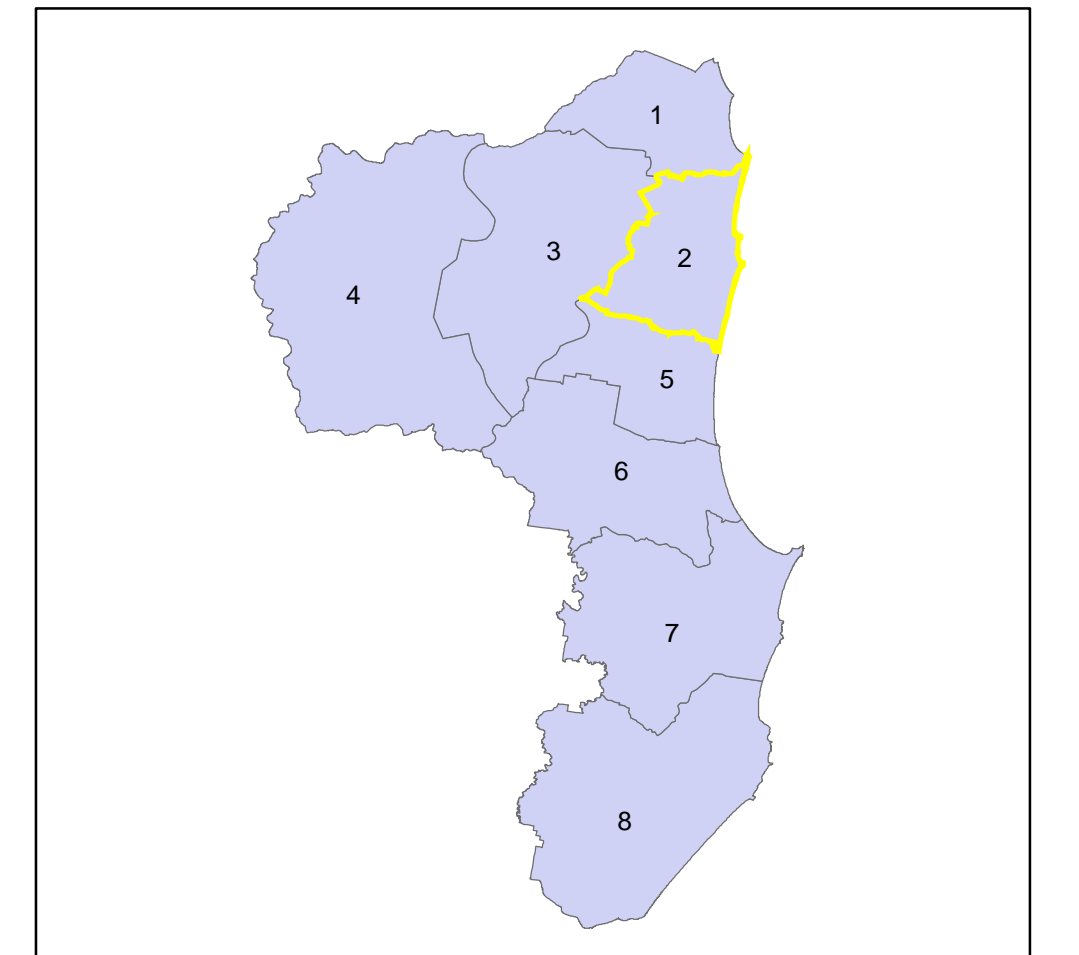
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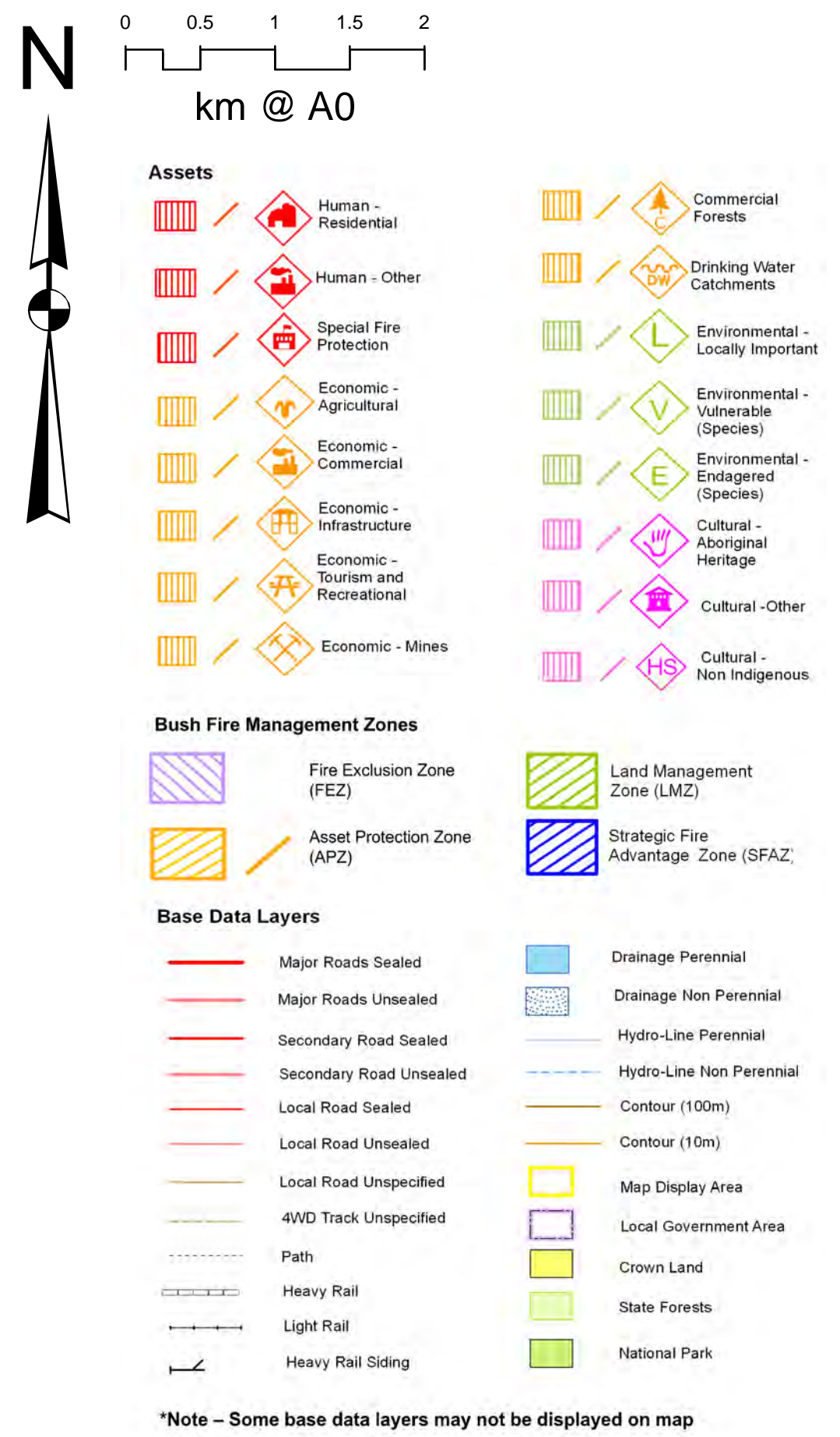
- reviewing the bush fire prone land map;
- ensuring developments in the bush fire prone land comply with Planning for Bush Fire Protection;
- using the Local Environment Plan's (LEPs) to control development in areas with a bush fire risk;
- varying the standard bush fire danger period as required;
- requiring permits during bush fire danger periods;
- prosecution of arsonists/offenders;
- investigation of bush fire 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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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 dependant upon: - Topography - Aspect - 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 area 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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Authorized by \_\_\_\_\_ of Far North Coast BFMC.  
Date created: Wednesday, 19 April 2017  
BFRMP version 2.1.26.0



ID	Treatment strategy	Action	Agencies (Support)
T62	Community Education	Disseminate Community Education Materials	FRNSW, RFS (LGA, OEH)
T63	Property Planning	Develop a Community Protection Plan	RFS (TI CL, LGA, OEH, FRNSW,
T92	Ignition Management	Attempt to exclude fire from habitat	TI CL, LGA, OEH, FRNSW, Private,
T148	Preparedness	Avoid ground disturbance in known locations	TI CL, LGA, OEH, Private (FRNSW,
T2	Hazard Reduction	Maintain an Asset Protection Zone on the	TI CL, OEH, Private
T64	Property Planning	Maintain APZ and SFAZ	OEH (TI CL, LGA, FRNSW)
T93	Community Education	Disseminate community engagement materials	TI CL, LGA, OEH
T117	Hazard Reduction	Implement AHIMS Management Conditions	TI CL, LGA, OEH, FRNSW, Private,
T160	Hazard Reduction	Maintain an APZ adjacent to assets at risk	Private (TI CL, LGA, RFS)
T161	Hazard Reduction	Maintain APZ and SFAZ	Local Aboriginal Land Councils
T27	Hazard Reduction	Maintain an Asset Protection Zone on the	TI CL, LGA
T147	Hazard Reduction	Implement appropriate fire regimes	TI CL, LGA, OEH, Private, RMS,
T64	Community Education	Maintain Schools community education program	FRNSW, RFS
T83	Preparedness	Maintain Fire Trails	LGA, OEH, Private (RFS)
T85	Hazard Reduction	Implement Strategic Fire Advantage Zone	TI CL, LGA (RFS)
T112	Property Planning	Prepare and implement regional fire plan	Private, FCNSW
T156	Hazard Reduction	Maintain an Asset Protection Zone on the	Private (TI CL, LGA, FRNSW, RFS)
T18	Hazard Reduction	Maintain an Asset Protection Zone on the	TI CL, LGA
T33	Community Education	Annual Media Release	LGA, FRNSW, RFS
T120	Hazard Reduction	Issue Hazard Reduction Certificates	RFS (LGA)
T121	Property Planning	Maintain road closure procedures	RMS, Police
T3	Community Education	Conduct a Firewise Street Meeting	RFS (LGA, OEH)
T13	Hazard Reduction	Inspect vacant blocks and maintain fuel loads.	LGA (RFS)
T26	Community Education	Community Education	LGA, RFS
T124	Hazard Reduction	Slash Asset Protection Zones	LGA
T138	Community Education	Community Engagement	LGA, RFS

ID	Treatment strategy	Action	Agencies (Support)
T154	Hazard Reduction	Maintain an Asset Protection Zone on the	LGA (RFS)
T21	Hazard Reduction	Maintain an Asset Protection Zone on the	Private (TI CL, LGA, OEH, FRNSW,
T31	Hazard Reduction	Implement land management burn	LGA (RFS)
T166	Hazard Reduction	Maintain fuels in accordance with Guidelines	TI CL, LGA, Private (RFS)

ID	Treatment strategy	Action	Agencies (Support)
T154	Hazard Reduction	Maintain an Asset Protection Zone on the	LGA (RFS)
T21	Hazard Reduction	Maintain an Asset Protection Zone on the	Private (TI CL, LGA, OEH, FRNSW,
T31	Hazard Reduction	Implement land management burn	LGA (RFS)
T166	Hazard Reduction	Maintain fuels in accordance with Guidelines	TI CL, LGA, Private (RFS)

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T31	Hazard Reduction	Implement land management burn	LGA (RFS)
T166	Hazard Reduction	Maintain fuels in accordance with Guidelines	TI CL, LGA, Private (RFS)

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# Far North Coast BFMC Bush Fire Risk Management Plan 2017

Central Tweed - Map Display Area

Map 3 of 8

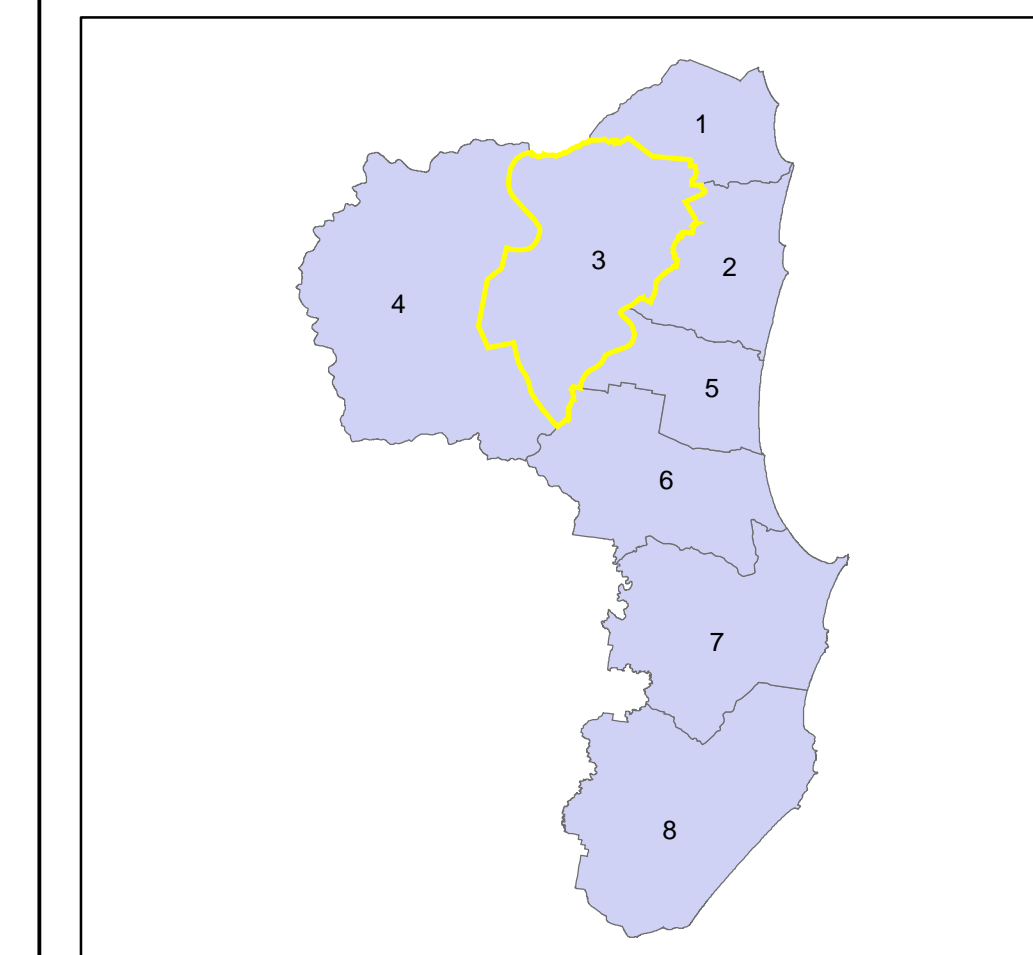
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- varying the standard bush fire danger period as required;
- requiring permits during bush fire danger periods;
- prosecution of arsonists/offenders;
- investigation of bush fire causes;
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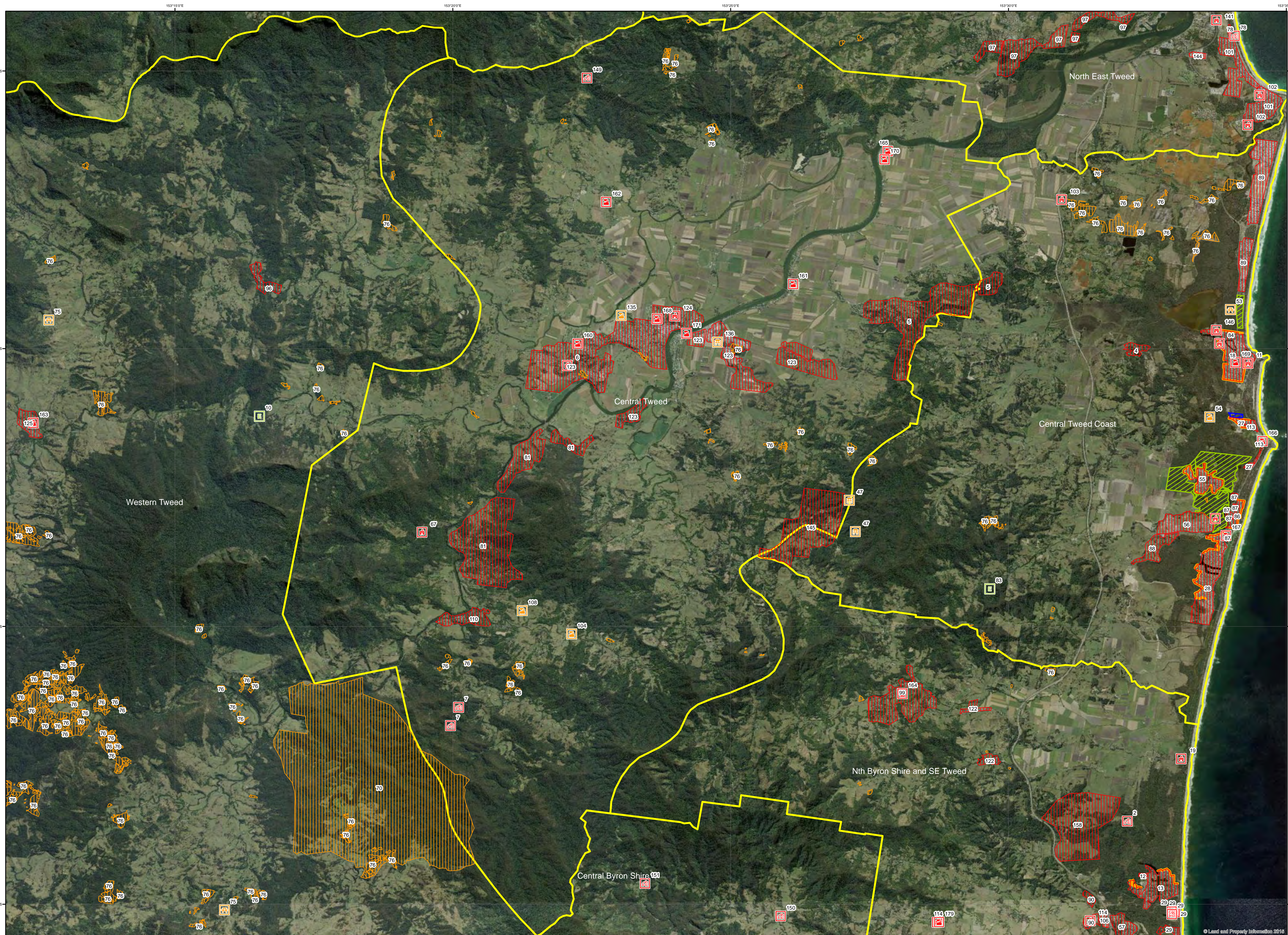
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Authorized by \_\_\_\_\_ of Far North Coast BFMC.  
Date created: Wednesday, 19 April 2017

BFRMP version 2.1.26.0



Map Ref	Asset name	Asset type	Subtype	Risk level	Priority	Treatment
NA	Site Group Three Sites	Cultural	Aboriginal	Extreme	1B	T117;161
7	Multiple Occupancies	Human	Residential	Extreme	1B	T4;8;160
149	Tomewin - Isolated rural dwellings	Human	Residential	Extreme	1B	T129
NA	Bush Stone Curlew	Environment	Endangered	Extreme	1C	T93;147
NA	Olongburra Frog	Environment	Vulnerable	Extreme	1C	T147;148
NA	Nightcap Plectranthus	Environment	Endangered	Very High	2A	T92;93
NA	Thorny Pea	Environment	Vulnerable	Very High	2A	T93;147
6	Mountain View Retirement Village	Human	Special Fire	Very High	2A	T156
47	Communications Towers Tweed, Byron	Economic	Infrastructure	Very High	2A	T146
76	Private Forestry Plantations	Economic	Commercial	Very High	2A	T112
5	Farrants Hill and Nunderi	Human	Residential	Very High	2B	T5
NA	Banana Farms	Economic	Agricultural	Very High	2C	T33;120
NA	Traffic on Major Roads	Economic	Infrastructure	Very High	2C	T121
NA	Hinterland Rural Dwellings on Forested	Human	Residential	High	3A	T33;81;5;41
70	Clarrie Hill Dam Catchment	Economic	Drinking	High	3A	T41
75	Tweed Shire Hinterland Tourism Industry	Economic	Tourist and	High	3A	T2;62
145	Stokers Siding	Human	Residential	High	3A	T80;158
NA	Coastal Rural Dwellings on Forested	Human	Residential	High	3B	T33;153;160
NA	Tree Crops	Economic	Agricultural	Medium	4	T114
NA	Site Group Five Sites	Cultural	Aboriginal	Medium	4	T117;161
NA	Assets Adjoining Isolated Bushland	Human	Residential	Medium	4	T21
67	M Warning Caravan Park	Human	Special Fire	Medium	4	T62
81	M Nallum Area	Human	Residential	Medium	4	T81
123	Murwillumbah Area	Human	Residential	Medium	4	T141
171	NSP: Murwillumbah Information Centre	Human	Other	Medium	4	T166
108	UKI WWTP	Economic	Commercial	Low	NA	T124
110	UKI Village	Human	Residential	Low	NA	T33
135	Murwillumbah WWTP	Economic	Commercial	Low	NA	T124
136	Murwillumbah Airfield	Economic	Infrastructure	Low	NA	T99
160	NSP: Murwillumbah Golf Club	Human	Other	Low	NA	T166
161	NSP: Consong Bowling Club Carpark	Human	Other	Low	NA	T166
162	NSP: Tweed Valley Respite Centre	Human	Other	Low	NA	T166
165	NSP: Tumbulgum Primary School	Human	Other	Low	NA	T166
168	NSP: Tweed River Showground	Human	Other	Low	NA	T166
170	NSP: Tumbulgum Sports Fields	Human	Other	Low	NA	T166

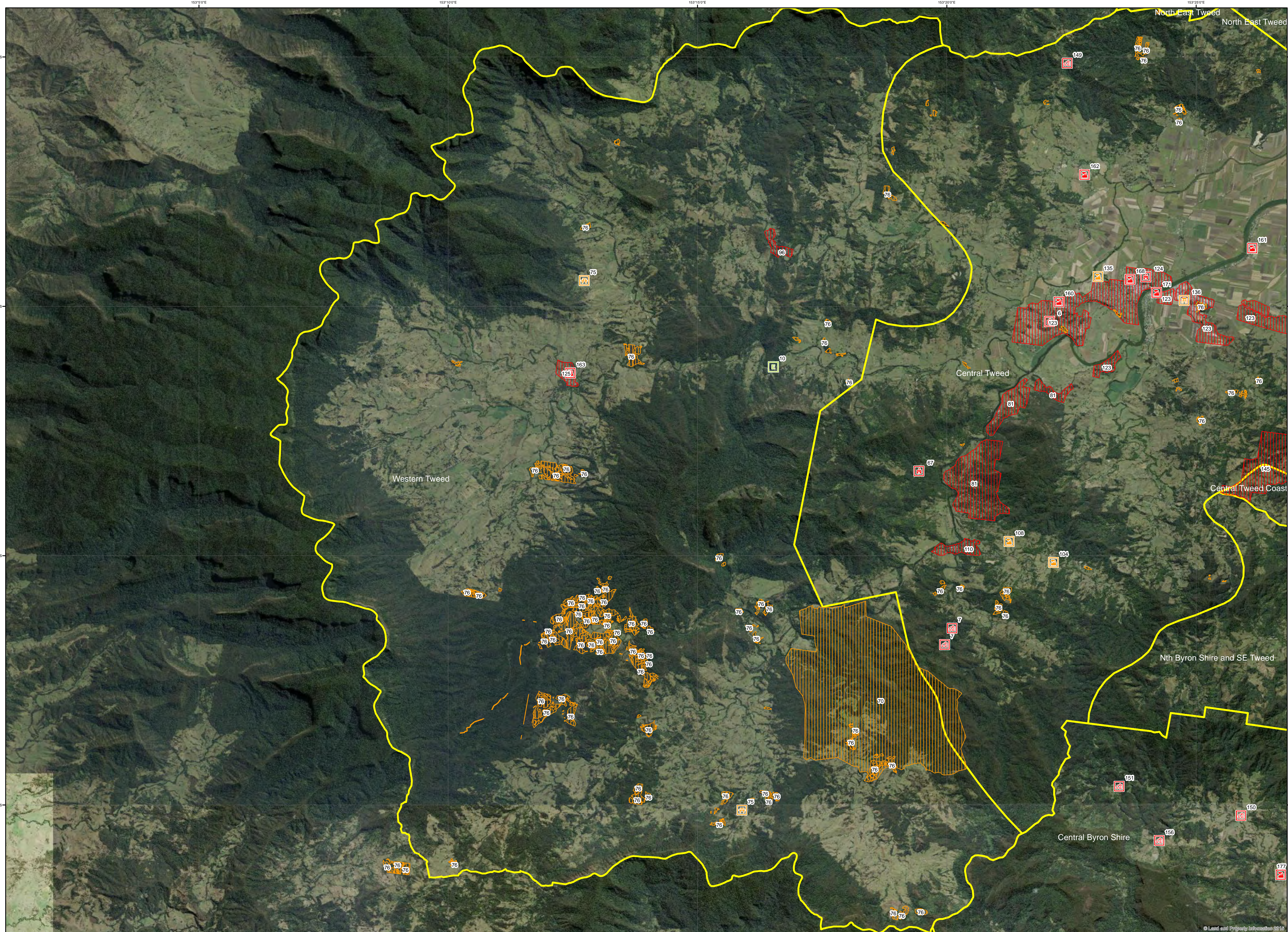


ID	Treatment strategy	Action	Agencies (Support)
T62	Community Education	Disseminate Community Education Materials	FRNSW, RFS (LGA, OEH)
T92	Ignition Management	Attempt to exclude fire from habitat	Ti CL, LGA, OEH, FRNSW, Private,
T148	Preparedness	Avoid ground disturbance in known locations	Ti CL, LGA, OEH, Private (FRNSW,
T2	Hazard Reduction	Maintain an Asset Protection Zone on the	Ti CL, OEH, Private
T4	Property Planning	Create pre-incident plans	Private (Ti CL, LGA, OEH, RFS)
T8	Community Education	Distribute community education material	LGA, RFS
T93	Community Education	Disseminate community engagement materials	Ti CL, LGA, OEH
T117	Hazard Reduction	Implement AHIMS Management Conditions	Ti CL, LGA, OEH, FRNSW, Private,
T129	Community Education	Distribute Community Engagement material	LGA, RFS
T158	Property Planning	Maintain APZ and SFAZ	OEH (Ti CL, LGA, RFS)
T160	Hazard Reduction	Maintain an APZ adjacent to assets at risk	Private (Ti CL, LGA, RFS)
T161	Hazard Reduction	Maintain APZ and SFAZ	Local Aboriginal Land Councils
T147	Hazard Reduction	Implement appropriate fire regimes	Ti CL, LGA, OEH, Private, RMS,
T41	Preparedness	Maintain Fire Trails	Ti CL, LGA, Private (RFS)
T81	Hazard Reduction	Maintain an APZ adjacent to assets at risk	Private (Ti CL, LGA, FRNSW, RFS)
T112	Property Planning	Prepare and implement regional fire plan	Private, FCNSW
T146	Hazard Reduction	Maintain APZ surrounding asset	CA, Ti CL, LGA, OEH, Private,
T156	Hazard Reduction	Maintain an Asset Protection Zone on the	Private (Ti CL, LGA, FRNSW, RFS)
T5	Hazard Reduction	Implement Strategic Fire Advantage Zones	Ti CL, LGA, Private (FRNSW, RFS)
T33	Community Education	Annual Media Release	LGA, FRNSW, RFS
T120	Hazard Reduction	Issue Hazard Reduction Certificates	RFS (LGA)
T121	Property Planning	Maintain road closure procedures	RMS, Police
T80	Community Education	Community Education	LGA, RFS (OEH)
T124	Hazard Reduction	Slash Asset Protection Zones	LGA
T21	Hazard Reduction	Maintain an Asset Protection Zone on the	Private (Ti CL, LGA, OEH, FRNSW,
T153	Hazard Reduction	Implement Strategic Fire Advantage Zones	Ti CL, LGA, Private (RFS)

ID	Treatment strategy	Action	Agencies (Support)
T99	Hazard Reduction	Maintain slashing regime	LGA
T114	Community Education	Maintain Farm Firewise Program	RFS
T141	Community Education	Community Engagement	LGA, FRNSW, RFS
T166	Hazard Reduction	Maintain fuels in accordance with Guidelines	Ti CL, LGA, Private (RFS)

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NA	Mountain Frog	Environment	Endangered	Very High	2A	T148;92;93
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NA	Tree Crops	Economic	Agricultural	Medium	4	T114
96	Chillingham Village	Human	Residential	Medium	4	T88
125	Tyalgum Village	Human	Residential	Medium	4	T33
163	NSP: Tyalgum Sports Field	Human	Other	Low	NA	T166

# Far North Coast BFMC Bush Fire Risk Management Plan 2017

Western Tweed - Map Display Area  
Map 4 of 8

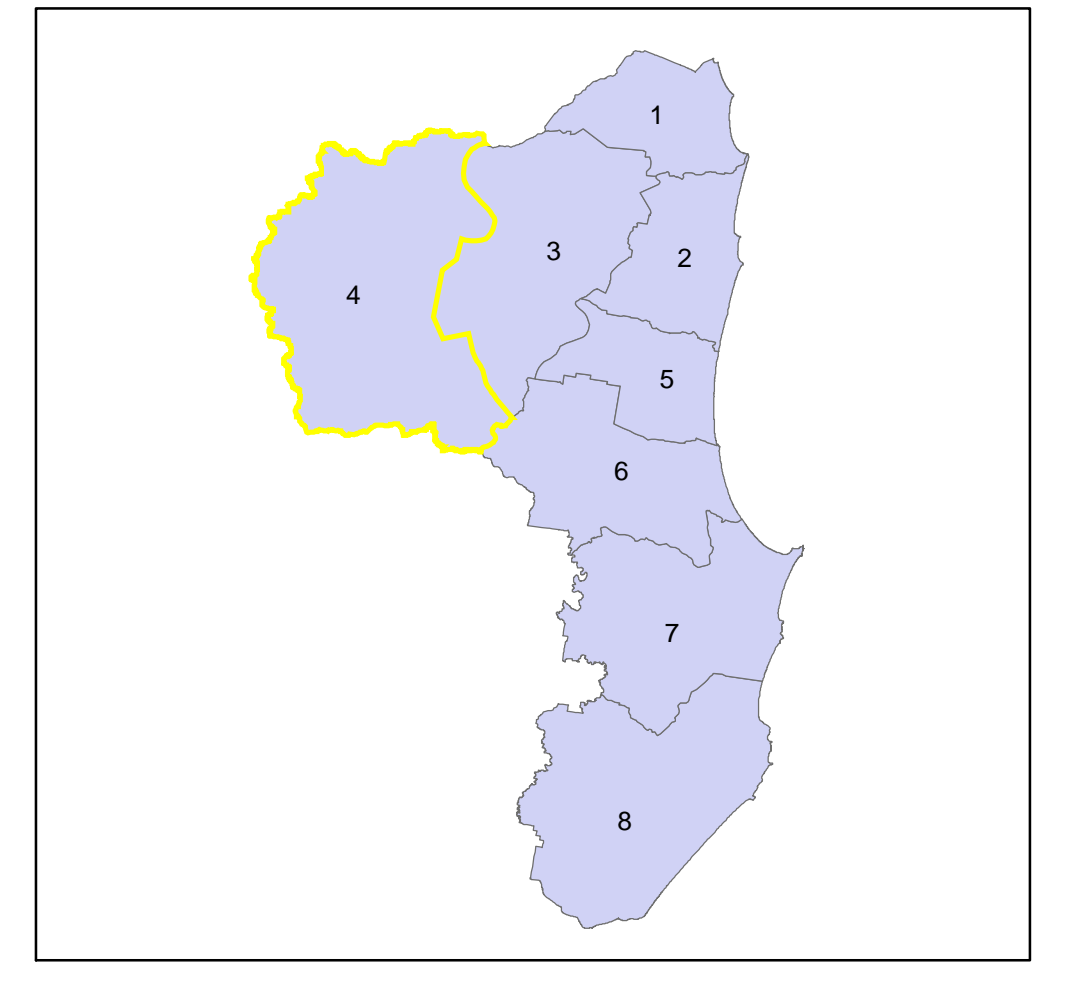
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- requiring permits during bush fire danger periods;
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Zone	Purpose	Suppression	Zone
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<b>Strategic Fire Advantage Zone</b>	To provide strategic areas of fire protection advantage which will reduce the speed and intensity of bush fire, 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 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 SFAZ has an OFH of less than high.
<b>Land Management Zone</b>	To meet relevant land management objectives in area where APZs or SFAZs are not appropriate. To reduce the likelihood of spread of fires. To undertake mosaic burning.	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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ID	Treatment strategy	Action	Agencies (Support)
T62	Community Education	Disseminate Community Education Materials	FRNSW, RFS (LGA, OEH)
T92	Ignition Management	Attempt to exclude fire from habitat	TI CL, LGA, OEH, FRNSW, Private,
T148	Preparedness	Avoid ground disturbance in known locations	TI CL, LGA, OEH, Private (FRNSW,
T2	Hazard Reduction	Maintain an Asset Protection Zone on the	TI CL, OEH, Private
T4	Property Planning	Create pre-incident plans	Private (TI CL, LGA, OEH, RFS)
T8	Community Education	Distribute community education material	LGA, RFS
T93	Community Education	Disseminate community engagement materials	TI CL, LGA, OEH
T117	Hazard Reduction	Implement AHIMS Management Conditions	TI CL, LGA, OEH, FRNSW, Private,
T160	Hazard Reduction	Maintain an APZ adjacent to assets at risk	Private (TI CL, LGA, RFS)
T161	Hazard Reduction	Maintain APZ and SFAZ	Local Aboriginal Land Councils
T147	Hazard Reduction	Implement appropriate fire regimes	TI CL, LGA, OEH, Private, RMS,
T41	Preparedness	Maintain Fire Trails	TI CL, LGA, Private (RFS)
T81	Hazard Reduction	Maintain an APZ adjacent to assets at risk	Private (TI CL, LGA, FRNSW, RFS)
T112	Property Planning	Prepare and implement regional fire plan	Private, FCNSW
T146	Hazard Reduction	Maintain APZ surrounding asset	CA, TI CL, LGA, OEH, Private,
T5	Hazard Reduction	Implement Strategic Fire Advantage Zones	TI CL, LGA, Private (FRNSW, RFS)
T33	Community Education	Annual Media Release	LGA, FRNSW, RFS
T120	Hazard Reduction	Issue Hazard Reduction Certificates	RFS (LGA)
T21	Hazard Reduction	Maintain an Asset Protection Zone on the	Private (TI CL, LGA, OEH, FRNSW,
T88	Community Education	Community meeting	RFS
T114	Community Education	Maintain Farm Firewise Program	RFS
T166	Hazard Reduction	Maintain fuels in accordance with Guidelines	TI CL, LGA, Private (RFS)

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



# Far North Coast BFMC Bush Fire Risk Management Plan 2017

Nth Byron Shire and SE Tweed - Map Display Area  
Map 5 of 8

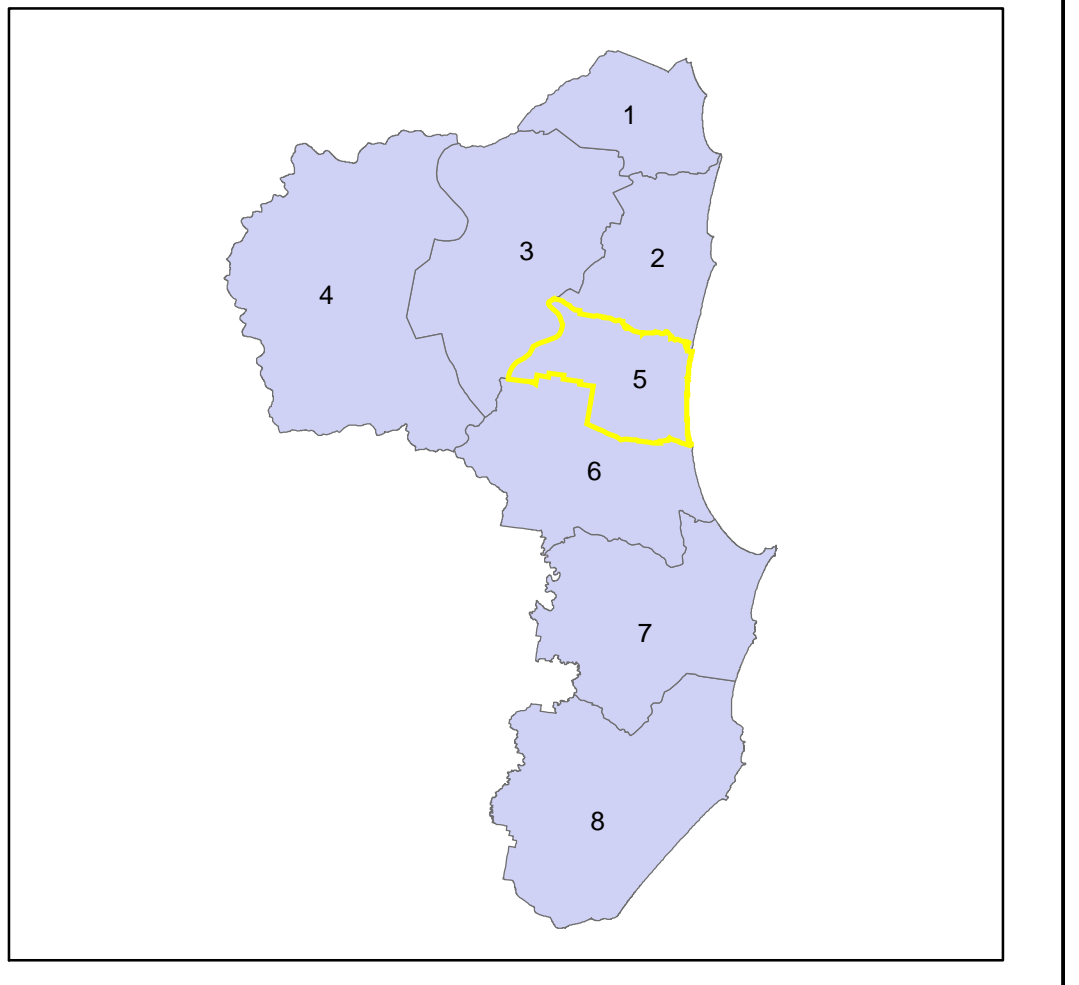
This Bush Fire Risk Management Plan (BFRMP) has been prepared by the Far North Coast Bush Fire Management Committee (BFMC) pursuant to section 52 of the Rural Fires Act 1997.

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:

- 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 Far North Coast BFMC, covering the local government areas of Ballina, Byron and Tweed. 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 Far North Coast 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 Far North Coast 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 Far North Coast 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. 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 - 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 area where APZs or SFAZs are not appropriate.	To reduce the likelihood of spread of fires. To undertake mosaic burning.	As appropriate to achieve land management objectives of the responsible land management agency. To reduce the likelihood of spread of fires. To undertake mosaic burning.
<b>Fire Exclusion Zone</b>	To exclude bush fires.	NA	Variable dependant on size of fire sensitive area requiring protection.

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BFRMP version 2.1.26.0

Map Ref	Asset name	Asset type	Subtype	Risk level	Priority	Treatment
NA	Byron Shire Coastal Tourism Industry	Economic	Tourist and	Extreme	1B	(1)
2	Jones Road Yelgun	Human	Residential	Extreme	1B	T158;159
13	North Ocean Shores	Human	Residential	Extreme	1C	T69;2;84
29	New Brighton	Human	Residential	Extreme	1C	T64
NA	Harmeria hygrophiloides	Environment	Endangered	Very High	2A	T147
NA	Tweed Shire Coastal Tourism Industry	Economic	Tourist and	Very High	2A	T2;62
NA	Native Justica	Environment	Endangered	Very High	2A	T93;147
12	Ocean Shores PS	Human	Special Fire	Very High	2A	T162;84;54
19	Wooyung Caravan Park	Human	Special Fire	Very High	2A	T62
57	Ocean Shores	Human	Residential	Very High	2A	T107;137
NA	Traffic on Major Roads	Economic	Infrastructure	Very High	2C	T121
NA	Banana Farms	Economic	Agricultural	Very High	2C	T33;120
NA	Hinterland Rural Dwellings on Forested	Human	Residential	High	3A	T33;81;5;41
158	North Byron Parklands	Human	Special Fire	High	3A	T145
NA	Byron Shire Hinterland Tourism Industry	Economic	Tourist and	High	3B	T2;62
NA	Wooyung Area	Human	Residential	High	3D	T83;160
NA	Rural Areas Grassland and Camphor	Human	Residential	Medium	4	T21
90	Billinudgel	Human	Residential	Medium	4	T33
99	Burrinbar Village	Human	Residential	Medium	4	T90
106	Billinudgel Industrial Estate	Human	Other	Medium	4	T33
122	Crabbes Creek and Mooball Villages	Human	Residential	Medium	4	T140
164	NSP: Tom O'Connor Reserve	Human	Other	Low	NA	T166
178	NSP: Ocean Shores Country Club	Human	Other	Low	NA	T166
179	NSP: The Pocket Primary School	Human	Other	Low	NA	T166

(1):T157;2;60;62;111



ID	Treatment strategy	Action	Agencies (Support)
T60	Hazard Reduction	Maintain Strategic Fire Advantage Zone	ARTC
T62	Community Education	Disseminate Community Education Materials	FRNSW, RFS (LGA, OEH)
T111	Property Planning	Implement APZ and SFAZ	TI CL, LGA, OEH (FRNSW, RFS)
T157	Property Planning	Develop a Community Protection Plan	RFS (TI CL, LGA, OEH, FRNSW, Private)
T2	Hazard Reduction	Maintain an Asset Protection Zone on the	TI CL, OEH, Private
T64	Property Planning	Maintain APZ and SFAZ	OEH (TI CL, LGA, FRNSW)
T93	Community Education	Disseminate community engagement materials	TI CL, LGA, OEH
T158	Property Planning	Maintain APZ and SFAZ	OEH (TI CL, LGA, RFS)
T159	Community Education	Conduct a Firewise Street Meeting	RFS (LGA, OEH)
T160	Hazard Reduction	Maintain an APZ adjacent to assets at risk	Private (TI CL, LGA, RFS)
T69	Community Education	Conduct a Firewise Street Meeting	FRNSW (LGA, OEH, RFS)
T84	Property Planning	Create and implement a Community Protection	RFS (TI CL, LGA, OEH, FRNSW)
T147	Hazard Reduction	Implement appropriate fire regimes	TI CL, LGA, OEH, Private, RMS,
T41	Preparedness	Maintain Fire Trails	TI CL, LGA, Private (RFS)
T54	Community Education	Maintain Schools community education program	FRNSW, RFS
T81	Hazard Reduction	Maintain an APZ adjacent to assets at risk	Private (TI CL, LGA, FRNSW, RFS)
T83	Preparedness	Maintain Fire Trails	LGA, OEH, Private (RFS)
T107	Property Planning	Review Fire Management Plan	LGA (FRNSW, RFS)
T137	Community Education	Community Engagement	FRNSW (LGA, RFS)
T162	Hazard Reduction	Maintain an Asset Protection Zone on the	Dept Education (TI CL, Private)
T5	Hazard Reduction	Implement Strategic Fire Advantage Zones	TI CL, LGA, Private (FRNSW, RFS)
T33	Community Education	Annual Media Release	LGA, FRNSW, RFS
T120	Hazard Reduction	Issue Hazard Reduction Certificates	RFS (LGA)
T121	Property Planning	Maintain road closure procedures	RMS, Police
T145	Hazard Reduction	Maintain APZ's around assets and property	Private (LGA, OEH)
T21	Hazard Reduction	Maintain an Asset Protection Zone on the	Private (TI CL, LGA, OEH, FRNSW,

ID	Treatment strategy	Action	Agencies (Support)
T190	Community Education	Community Engagement	LGA, RFS
T140	Community Education	Community Engagement	LGA, RFS
T166	Hazard Reduction	Maintain fuels in accordance with Guidelines	TI CL, LGA, Private (RFS)

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



# Far North Coast BFMC Bush Fire Risk Management Plan 2017

## Central Byron Shire - Map Display Area

Map 6 of 8

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

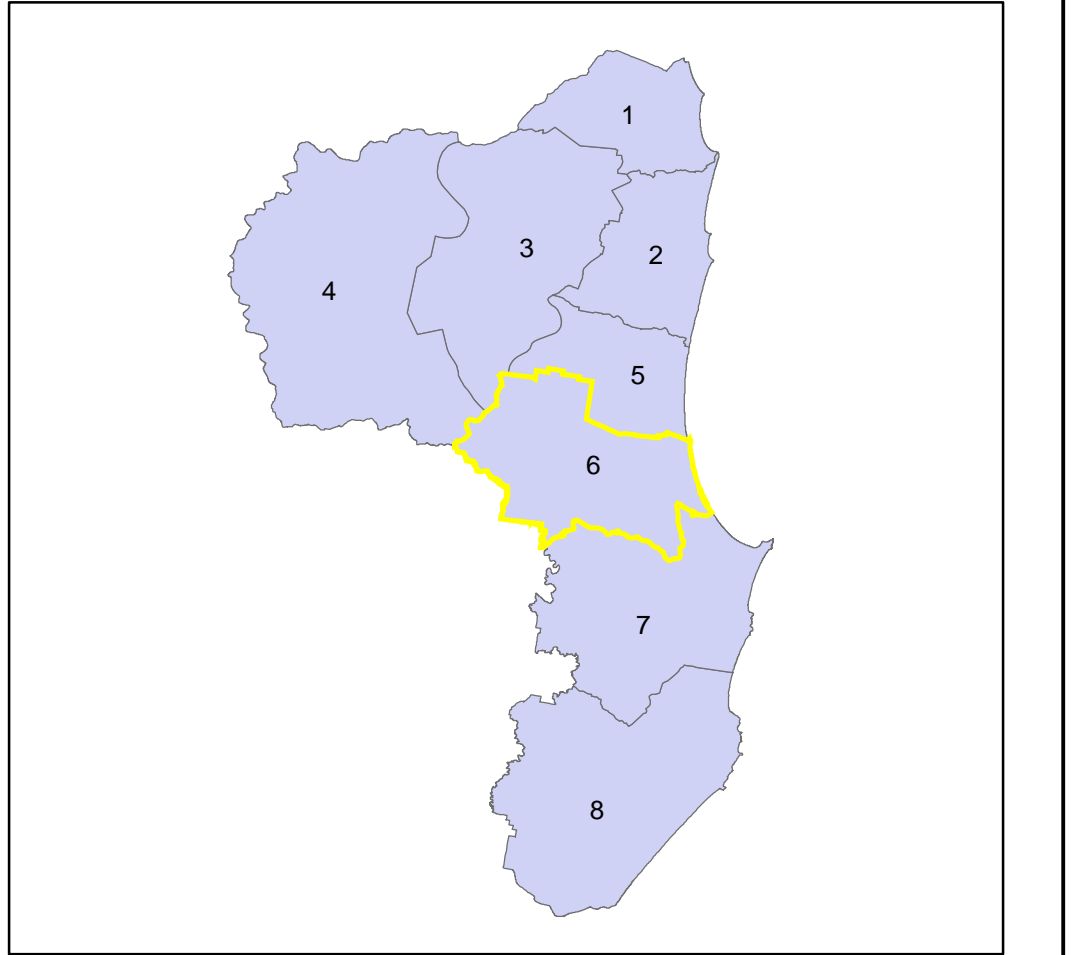
The aim of this BFRMP is to reduce the adverse impact of bush fires on life, property and the environment.

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 Far North Coast BFMC, covering the local government areas of Ballina, Byron and Tweed. 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.



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- 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 Far North Coast 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.

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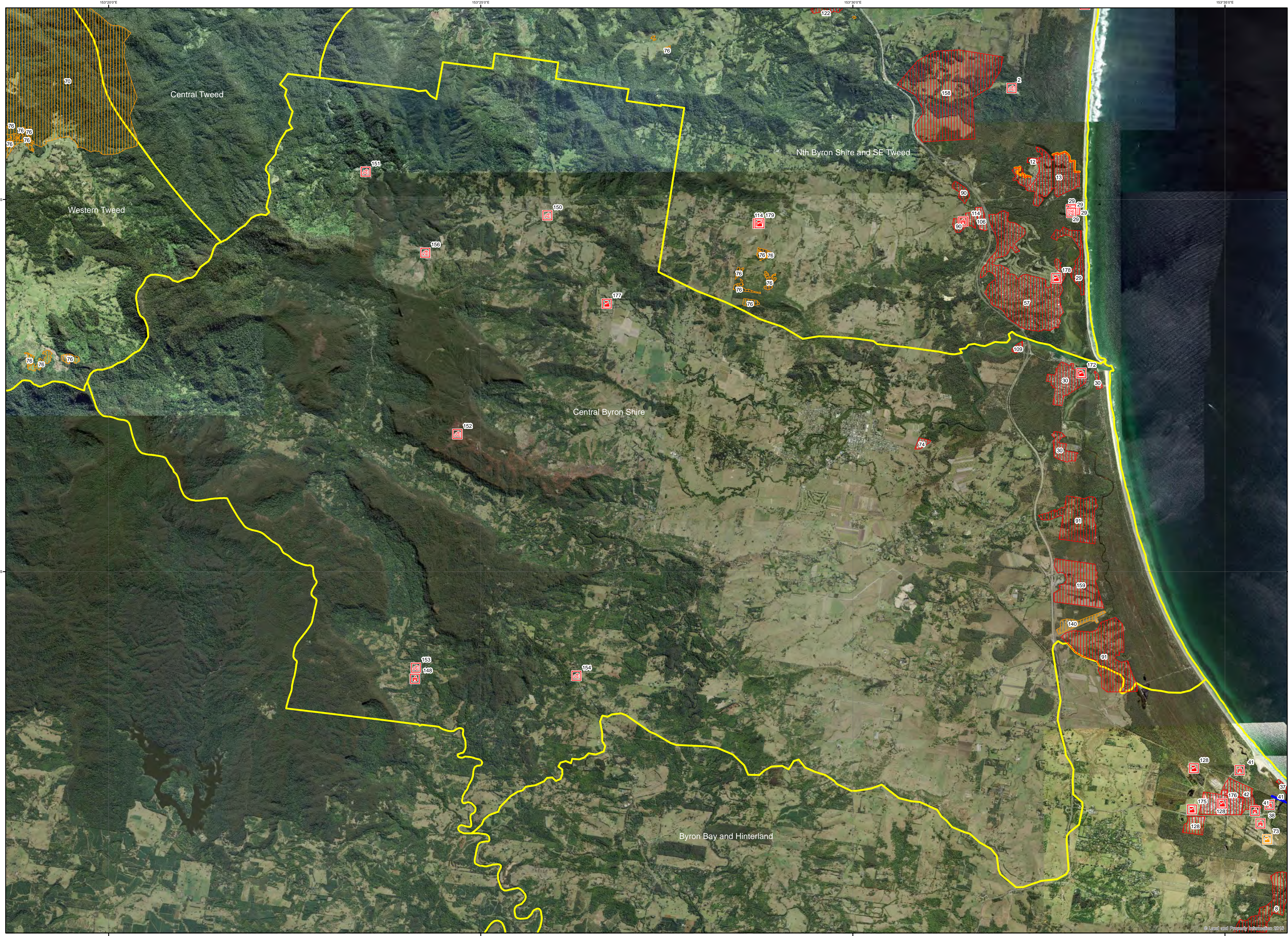
- reviewing the bush fire prone land map;
- ensuring developments in the bush fire prone land comply with Planning for Bush Fire Protection;
- using the Local Environment Plan's (LEPs) to control development in areas with a bush fire risk;
- varying the standard bush fire danger period as required;
-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

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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 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 area where APZs or SFAZs are not appropriate.	To reduce the likelihood of spread of fires. To undertake mosaic burning.	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.
<b>Fire Exclusion Zone</b>	To exclude bush fires.	NA	Variable dependant on size of fire sensitive area requiring protection.

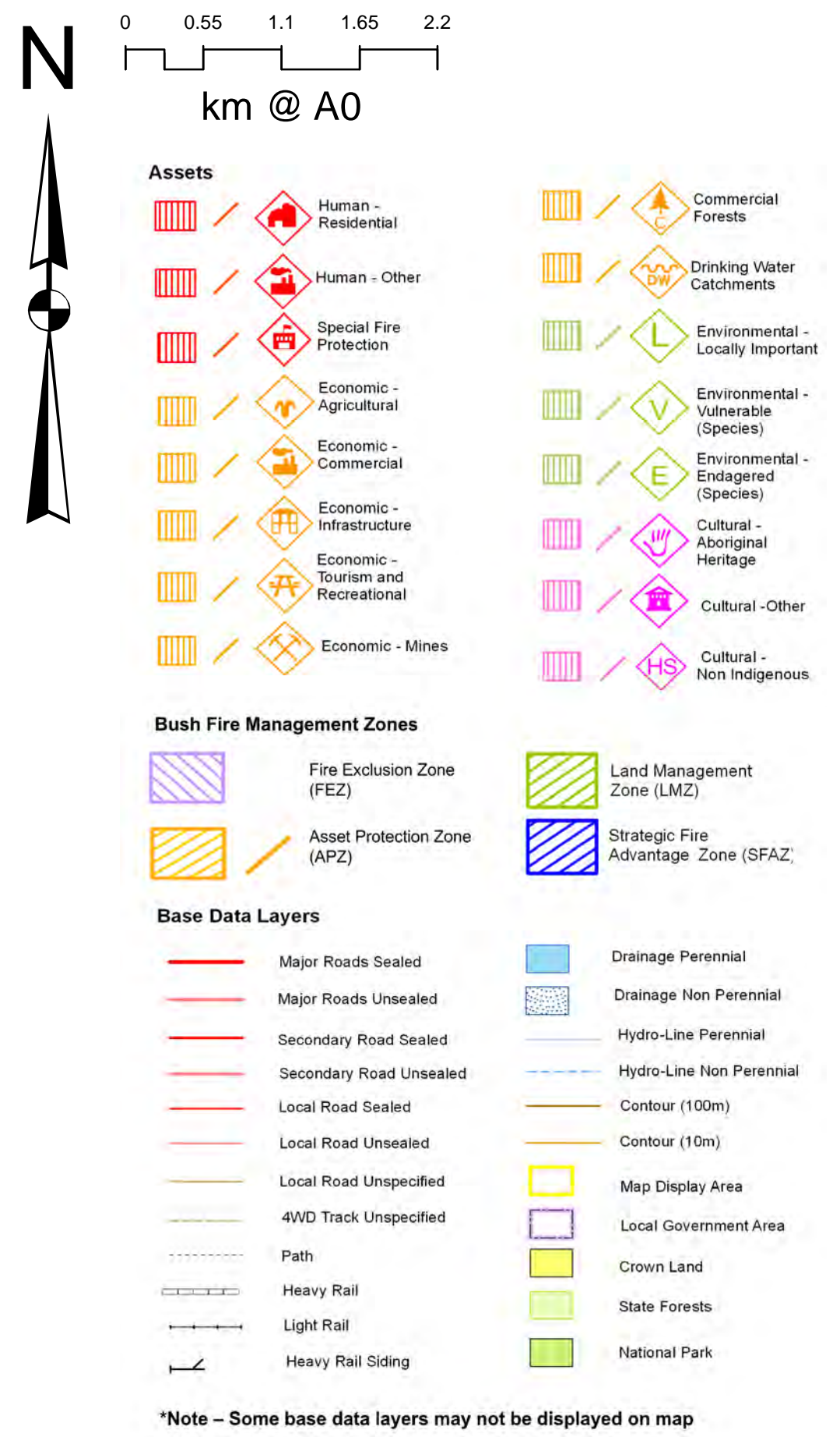
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Date created: Tuesday, 18 April 2017



Map Ref	Asset name	Asset type	Subtype	Risk level	Priority	Treatment
151	Upper Main Arm	Human	Residential	Extreme	1A	T128
NA	Byron Shire Coastal Tourism Industry	Economic	Tourist and	Extreme	1B	(1)
7	Multiple Occupancies	Human	Residential	Extreme	1B	T4;8;160
152	Koonyum Range	Human	Residential	Extreme	1B	T130;131
153	Upper Coopers Creek	Human	Residential	Extreme	1B	T132
154	Goonengery	Human	Residential	Extreme	1B	T133
156	Palmwood Multiple Occupancy	Human	Residential	Extreme	1B	T134
NA	Australasian Bittern	Environment	Endangered	Extreme	1C	T147
NA	Narrow-leaf Finger Fern	Environment	Endangered	Very High	2A	T92;93
NA	Fleay's barred frog	Environment	Endangered	Very High	2A	T92;148;93
NA	Nightcap Plectranthus	Environment	Endangered	Very High	2A	T92;93
NA	Banana Farms	Economic	Agricultural	Very High	2C	T33;120
30	Brunswick Heads	Human	Residential	Very High	2C	T63;64
NA	Hinterland Rural Dwellings on Forested	Human	Residential	High	3A	T33;81;5;41
74	Mullumbimby Industrial Estate	Human	Other	High	3A	T33
150	Main Arm	Human	Residential	High	3A	T139
159	Blues Fest Site	Human	Special Fire	High	3A	T145
NA	Byron Shire Hinterland Tourism Industry	Economic	Tourist and	High	3B	T2;82
NA	Wilson's Creek Catchment	Economic	Drinking	Medium	4	T165
NA	Rural Areas Grassland and Camphor	Human	Residential	Medium	4	T21
91	Tyagarah	Human	Residential	Medium	4	T64
109	Ferry Reserve Caravan Park	Human	Special Fire	Medium	4	T62
148	Upper Coopers Creek Primary School	Human	Special Fire	Medium	4	T54
140	Tyagarah Airfield	Economic	Infrastructure	Low	NA	T99
172	NSP: Banner Park	Human	Other	Low	NA	T166
177	NSP: Durrumbul Primary School	Human	Other	Low	NA	T166

(1) T157;2;60;62;111



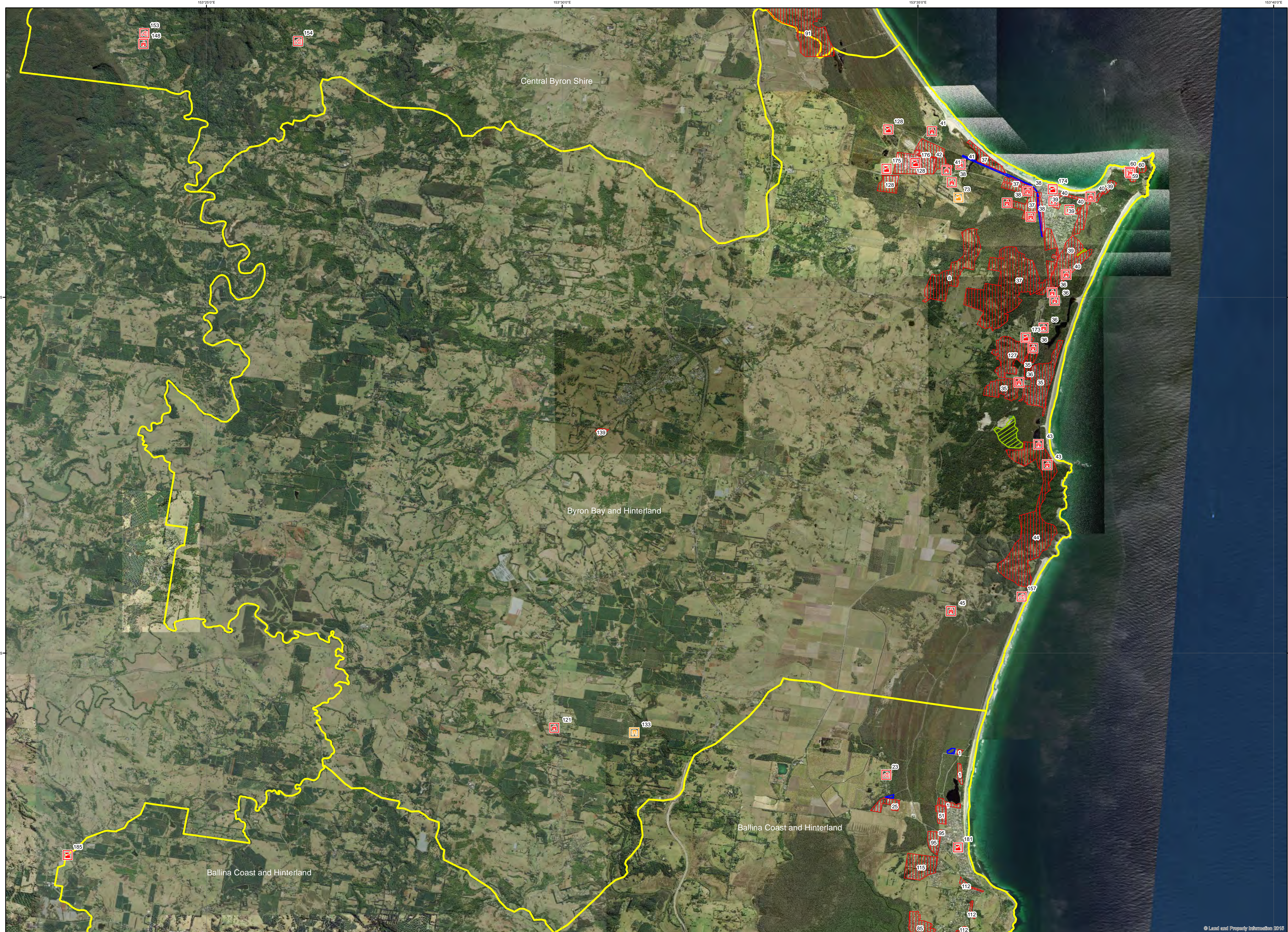
ID	Treatment strategy	Action	Agencies (Support)
T60	Hazard Reduction	Maintain Strategic Fire Advantage Zone	ARTC
T62	Community Education	Disseminate Community Education Materials	FRNSW, RFS (LGA, OEH)
T63	Property Planning	Develop a Community Protection Plan	RFS (TI CL, LGA, OEH, FRNSW, Private)
T92	Ignition Management	Attempt to exclude fire from habitat	TI CL, LGA, OEH, FRNSW, Private
T111	Property Planning	Implement APZ and SFAZ	TI CL, LGA, OEH (FRNSW, RFS)
T128	Community Education	Community Engagement for residents	RFS
T148	Preparedness	Avoid ground disturbance in known locations	TI CL, LGA, OEH, Private (FRNSW, RFS)
T157	Property Planning	Develop a Community Protection Plan	RFS (TI CL, LGA, OEH, FRNSW, Private)
T2	Hazard Reduction	Maintain an Asset Protection Zone on the	TI CL, OEH, Private
T4	Property Planning	Create pre-incident plans	Private (TI CL, LGA, OEH, RFS)
T8	Community Education	Distribute community education material	LGA, RFS
T64	Property Planning	Maintain APZ and SFAZ	OEH (TI CL, LGA, FRNSW)
T93	Community Education	Disseminate community engagement materials	TI CL, LGA, OEH
T130	Hazard Reduction	Implement OEH Fire Management Strategy	OEH (RFS)
T131	Community Education	Facilitate Community Firewise meetings	LGA, OEH, RFS (Private)
T132	Community Education	Facilitate Community Engagement	LGA, RFS (TI CL)
T133	Hazard Reduction	Implement Fire Management Strategy	OEH (LGA, RFS)
T134	Community Education	Community Engagement	LGA, RFS (TI CL)
T160	Hazard Reduction	Maintain an APZ adjacent to assets at risk	Private (TI CL, LGA, RFS)
T147	Hazard Reduction	Implement appropriate fire regimes	TI CL, LGA, OEH, Private, RMS
T41	Preparedness	Maintain Fire Trails	TI CL, LGA, Private (RFS)
T54	Community Education	Maintain Schools community education program	FRNSW, RFS
T81	Hazard Reduction	Maintain an APZ adjacent to assets at risk	Private (TI CL, LGA, FRNSW, RFS)
T5	Hazard Reduction	Implement Strategic Fire Advantage Zones	TI CL, LGA, Private (FRNSW, RFS)
T33	Community Education	Annual Media Release	LGA, FRNSW, RFS
T120	Hazard Reduction	Issue Hazard Reduction Certificates	RFS (LGA)

ID	Treatment strategy	Action	Agencies (Support)
T139	Community Education	Community Engagement	RFS (LGA)
T145	Hazard Reduction	Maintain APZ's around assets and property	Private (LGA, OEH)
T21	Hazard Reduction	Maintain an Asset Protection Zone on the	Private (TI CL, LGA, OEH, FRNSW, LGA)
T99	Hazard Reduction	Maintain slashing regime	LGA
T165	Hazard Reduction	Maintain an Asset Protection Zone	Rous Water
T166	Hazard Reduction	Maintain fuels in accordance with Guidelines	TI CL, LGA, Private (RFS)

ID	Treatment strategy	Action	Agencies (Support)
T139	Community Education	Community Engagement	RFS (LGA)
T145	Hazard Reduction	Maintain APZ's around assets and property	Private (LGA, OEH)
T21	Hazard Reduction	Maintain an Asset Protection Zone on the	Private (TI CL, LGA, OEH, FRNSW, LGA)
T99	Hazard Reduction	Maintain slashing regime	LGA
T165	Hazard Reduction	Maintain an Asset Protection Zone	Rous Water
T166	Hazard Reduction	Maintain fuels in accordance with Guidelines	TI CL, LGA, Private (RFS)

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





Map Ref	Asset name	Asset type	Subtype	Risk level	Priority	Treatment
37	Cumbebin Swamp Interface	Human	Residential	Extreme	1A	(1)
38	SFPDs adjacent to Cumbebin Swamp	Human	Special Fire	Extreme	1A	T60,62,157
40	Arakwal Interface SFPDs	Human	Special Fire	Extreme	1A	T62,111
44	Broken Head	Human	Residential	Extreme	1A	T113
NA	Site Group Three Sites	Cultural	Aboriginal	Extreme	1B	T117,161
NA	Byron Shire Coastal Tourism Industry	Economic	Tourist and	Extreme	1B	(2)
7	Multiple Occupancies	Human	Residential	Extreme	1B	T4,8,160
8	Skinner's Shoot	Human	Residential	Extreme	1B	T151
60	Cape Byron SFPDs	Human	Special Fire	Extreme	1B	T62,64,72
NA	Olongburra Frog	Environment	Vulnerable	Extreme	1C	T147,148
NA	Byron Bay Duris	Environment	Endangered	Extreme	1C	T148,93,92
35	Suffolk Park	Human	Residential	Extreme	1C	T2,135
39	Arakwal Interface	Human	Residential	Extreme	1C	T111,136
36	Suffolk Park SFPDs	Human	Special Fire	Very High	2A	T2,54,62
41	North Byron SFPDs	Human	Special Fire	Very High	2A	T58,60
42	Sunrise Beach Area	Human	Residential	Very High	2A	T58,60,109
43	Broken Head Tourist Facilities	Human	Special Fire	Very High	2A	T62
47	Communications Towers Tweed, Byron	Economic	Infrastructure	Very High	2A	T146
45	Bundaleer Retreat	Human	Special Fire	High	3A	T39,103
59	Cape Byron Interface	Human	Residential	High	3A	T64
73	Byron WWTPs	Economic	Commercial	High	3A	T124
NA	Byron Shire Hinterland Tourism Industry	Economic	Tourist and	High	3B	T2,62
127	Baywood Chase	Human	Residential	Medium	4	T142
128	Sunrise Industrial Estate	Human	Other	Medium	4	T58,60,33
133	Emigrant Creek Dam	Economic	Infrastructure	Medium	4	T165
139	Bangalow Industrial Estate	Human	Other	Low	NA	T33
157	Linnaeus Retreat	Human	Residential	Low	NA	T5
173	NSP: Byron Bay Golf Club	Human	Other	Low	NA	T166
174	NSP: Byron Bay Surf Club	Human	Other	Low	NA	T166
175	NSP: Byron Regional Sport and Cultural	Human	Other	Low	NA	T166
176	NSP: Council Depot and Training	Human	Other	Low	NA	T166

(1):T60,63,126,117  
(2):T157,2,60,62,111

# Far North Coast BFMC Bush Fire Risk Management Plan 2017

Byron Bay and Hinterland - Map Display Area  
Map 7 of 8

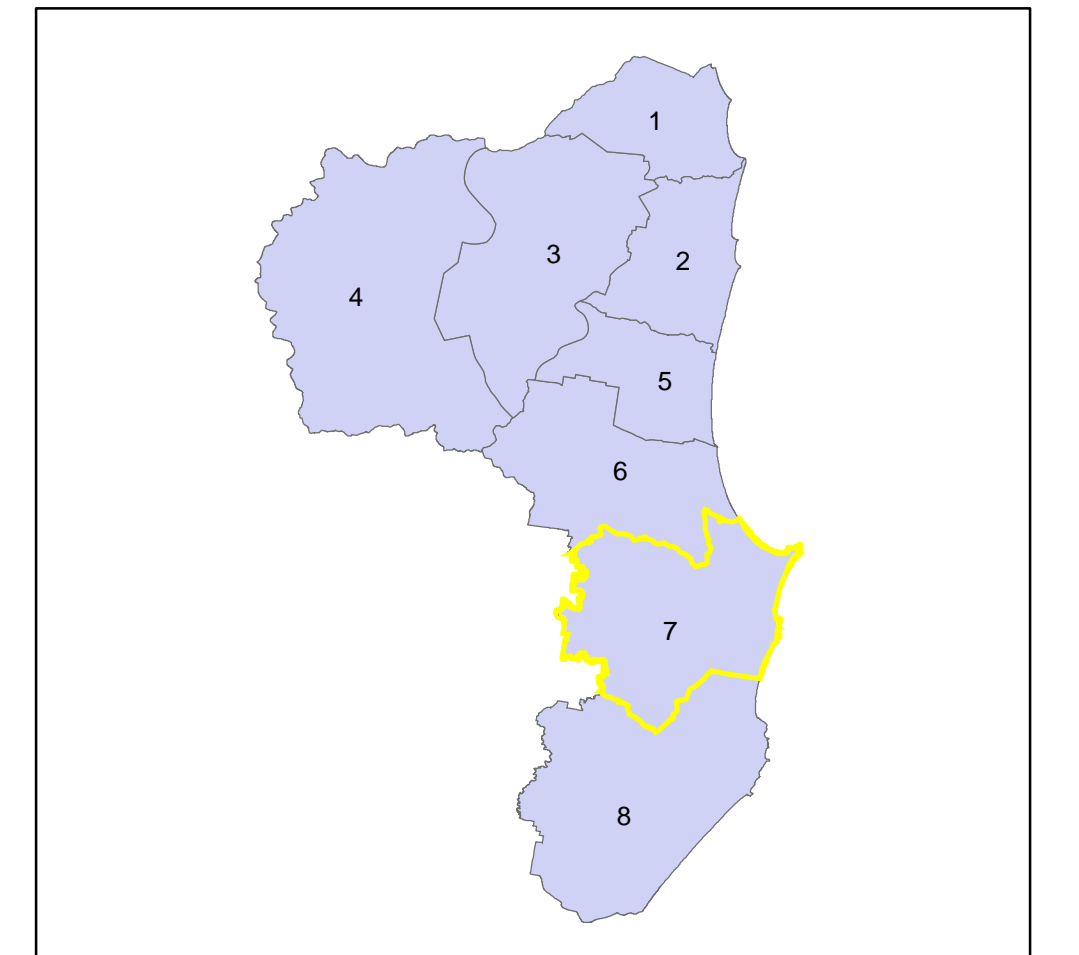
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This BFRMP identifies the assets that are considered by the Far North Coast BFMC and community to be at risk from bush fires, assesses the bush fire risk to each asset and assigns treatments designed to mitigate the risk. Assets in the BFMC area identified 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.

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Specific treatments assigned to assets in the Far North Coast 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. 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 dependant upon: - Topography - Aspect - 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 area 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.	NA	Variable dependant on size of fire sensitive area requiring protection.

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Date created: Tuesday, 18 April 2017

BFRMP version 2.1.26.0

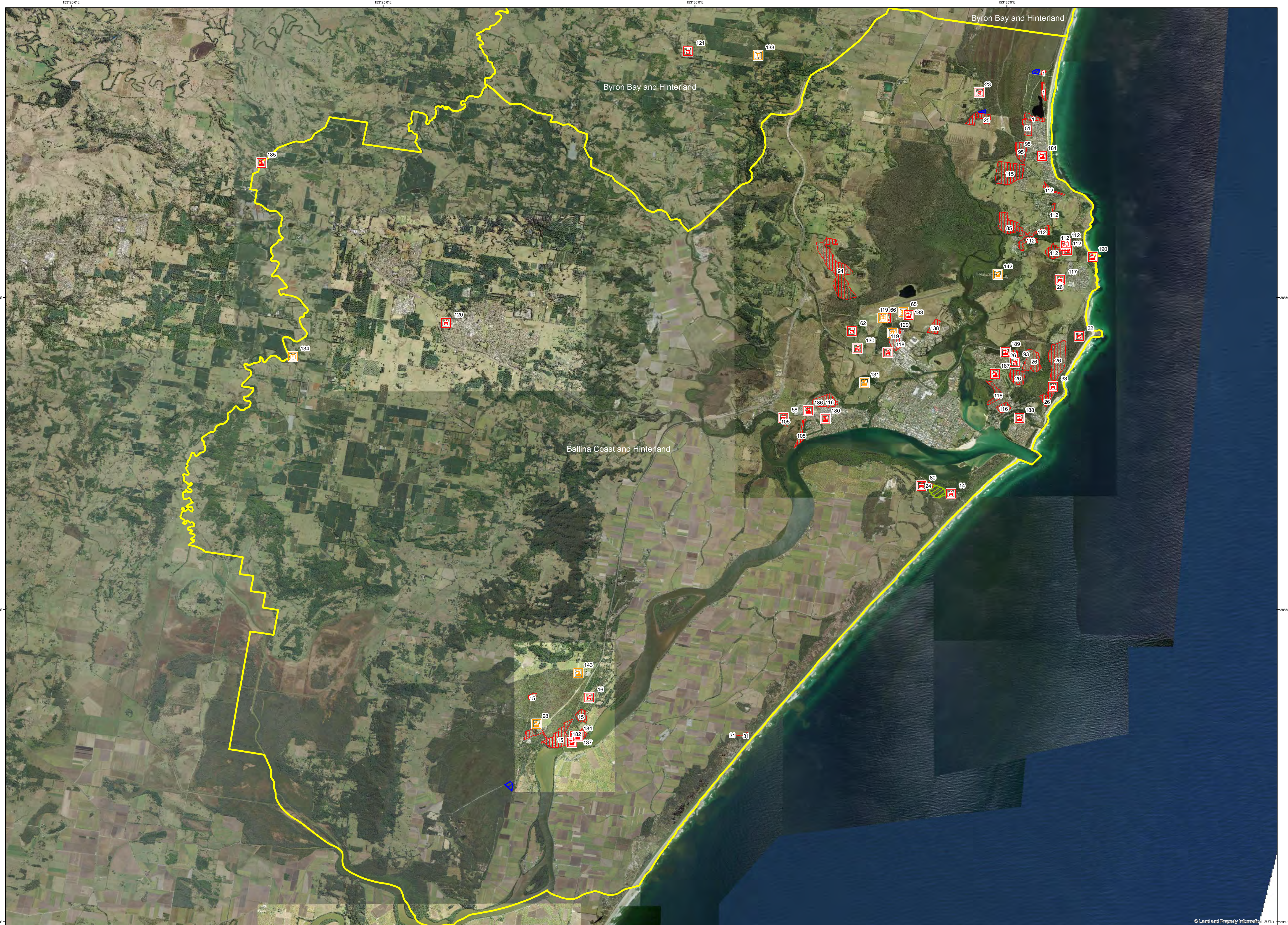


ID	Treatment strategy	Action	Agencies (Support)
T60	Hazard Reduction	Maintain Strategic Fire Advantage Zone	ARTC
T62	Community Education	Disseminate Community Education Materials	FRNSW, RFS (LGA, OEH)
T63	Property Planning	Develop a Community Protection Plan	RFS (TI, CL, LGA, OEH, FRNSW)
T92	Ignition Management	Attempt to exclude fire from habitat	TI, CL, LGA, OEH, FRNSW, Private
T111	Property Planning	Implement APZ and SFAZ	TI, CL, LGA, OEH (FRNSW, RFS)
T113	Community Education	Initiate community engagement with residents.	RFS (RFS)
T126	Community Education	Undertake Community Engagement Activity	FRNSW, RFS (LGA, OEH, NCC)
T127	Property Planning	Implement Community Protection Plan	TI, CL, LGA, OEH, ARTC (FRNSW)
T148	Preparedness	Avoid ground disturbance in known locations	TI, CL, LGA, OEH, Private (FRNSW)
T157	Property Planning	Develop a Community Protection Plan	RFS (TI, CL, LGA, OEH, FRNSW)
T2	Hazard Reduction	Maintain an Asset Protection Zone on the	TI, CL, OEH, Private
T4	Property Planning	Create pre-incident plans	Private (TI, CL, LGA, OEH, RFS)
T8	Community Education	Distribute community education material	LGA, RFS
T64	Property Planning	Maintain APZ and SFAZ	OEH (TI, CL, LGA, FRNSW)
T72	Property Planning	Maintain improved access for Fire Appliances	LGA
T93	Community Education	Disseminate community engagement materials	TI, CL, LGA, OEH
T117	Hazard Reduction	Implement AHIMS Management Conditions	TI, CL, LGA, OEH, FRNSW, Private
T151	Community Education	Conduct a Firewise Street Meeting	RFS (LGA)
T160	Hazard Reduction	Maintain an APZ adjacent to assets at risk	Private (TI, CL, LGA, RFS)
T161	Hazard Reduction	Maintain APZ and SFAZ	Local Aboriginal Land Councils
T135	Community Education	Community Engagement	FRNSW (LGA, OEH, RFS)
T136	Community Education	Community Engagement	FRNSW (LGA, OEH, RFS)
T147	Hazard Reduction	Implement appropriate fire regimes	TI, CL, LGA, OEH, Private, RMS,
T39	Community Education	Maintain Community Firewise Activities	LGA, RFS
T54	Community Education	Maintain Schools community education program	FRNSW, RFS
T58	Hazard Reduction	Maintain Strategic Fire Advantage Zone	TI, CL, LGA, OEH, Private (RFS)

ID	Treatment strategy	Action	Agencies (Support)
T109	Hazard Reduction	Maintain an APZ on the interface	LGA, Private
T146	Hazard Reduction	Maintain APZ surrounding asset	CA, TI, CL, LGA, OEH, Private,
T5	Hazard Reduction	Implement Strategic Fire Advantage Zones	TI, CL, LGA, Private (FRNSW, RFS)
T33	Community Education	Annual Media Release	LGA, FRNSW, RFS
T103	Property Planning	Create pre-incident plans	RFS
T124	Hazard Reduction	Slash Asset Protection Zones	LGA
T142	Community Education	Community Engagement	FRNSW (LGA, RFS)
T165	Hazard Reduction	Maintain an Asset Protection Zone	Rous Water
T166	Hazard Reduction	Maintain fuels in accordance with Guidelines	TI, CL, LGA, Private (RFS)

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





Map Ref	Asset name	Asset type	Subtype	Risk level	Priority	Treatment
NA	Atlas rainforest ground beetle	Environment	Endangered	Extreme	1A	T148.92
NA	Coastal Fontainea	Environment	Endangered	Extreme	1B	T92.93
32	Flat Rock Camping Ground	Human	Special Fire	Extreme	1B	T101;102
NA	Australasian Bittern	Environment	Endangered	Extreme	1C	T147
1	Lennox Head Tourist Facilities	Human	Special Fire	Extreme	1C	T23;27;100
NA	Jointed Baloghia	Environment	Vulnerable	Very High	2A	T92.93
NA	Ballina Tourism Industry	Economic	Tourist and	Very High	2A	T23;27;41
14	South Ballina Caravan Park	Human	Special Fire	Very High	2A	T41;51
16	Sandalwood Caravan Park	Human	Special Fire	Very High	2A	T35;62
23	Fig Tree Hill	Human	Residential	Very High	2A	T11;39;160
24	South Ballina Isolated Rural Dwellings	Human	Residential	Very High	2A	T41;160
25	Sanctuary Village Area	Human	Residential	Very High	2A	T12;85;160
33	Dunes Tourist Facility	Human	Special Fire	Very High	2A	T143;144
47	Communications Towers Tweed, Byron	Economic	Infrastructure	Very High	2A	T146
80	SeaBreeze Caravan Park	Human	Special Fire	Very High	2A	T41;81
93	Southern Cross K-12	Human	Special Fire	Very High	2A	T54
NA	Traffic on Major Roads	Economic	Infrastructure	Very High	2C	T121
15	Wardell and Surrounds	Human	Residential	Very High	2C	T10;24;41
51	Barrett Estate	Human	Residential	Very High	2C	T18;41;100
26	Skennars Head	Human	Residential	High	3A	T27;96
62	Thursday Plantation	Human	Special Fire	High	3A	T96;81
66	Ballina Waste Management Facility	Economic	Infrastructure	High	3A	T81
98	Inchic depot	Economic	Commercial	High	3A	T155
142	Lennox Head WWTP	Economic	Commercial	High	3A	T124
143	Wardell WWTP	Economic	Commercial	High	3A	T124
NA	Coastal Rural Dwellings on Forested	Human	Residential	High	3B	T33;153;160
NA	Pimlico	Human	Residential	High	3D	T35;160
NA	Tree Crops	Economic	Agricultural	Medium	4	T114
NA	Sugar Cane	Economic	Agricultural	Medium	4	T119
NA	Site Group Five Sites	Aboriginal	Aboriginal	Medium	4	T117;161
NA	Assets Adjoining Isolated Bushland	Human	Residential	Medium	4	T21
NA	Rural Areas Grassland and Camphor	Human	Residential	Medium	4	T21
31	Patches Beach	Human	Residential	Medium	4	T38;3
65	Ballina - Byron Gateway Airport	Economic	Infrastructure	Medium	4	T99
95	West Lennox Village	Human	Residential	Medium	4	T33
105	Ferry Boat Road West Ballina	Human	Residential	Medium	4	T47;48
119	Ballina Industrial Estate	Human	Other	Medium	4	T33
120	Alstonville High School	Human	Special Fire	Medium	4	T54
NA	Ballina Drinking Water Catchments	Economic	Drinking	Low	NA	T165
58	Ferry Boat Road Tourist Facilities	Human	Special Fire	Low	NA	T48
85	Pacific Pines Estate Lennox Head	Human	Residential	Low	NA	T18;33
94	Cumbalum Area	Human	Residential	Low	NA	T18;41
112	South Side of Lennox Village	Human	Residential	Low	NA	T41
115	Meadows Estate	Human	Residential	Low	NA	T33
116	Assets Adjoining Isolated Bushland	Human	Residential	Low	NA	T33
129	Ballina Council Depot	Economic	Infrastructure	Low	NA	T124
131	Ballina WWTP	Economic	Commercial	Low	NA	T124
134	Marom Creek Weir	Economic	Infrastructure	Low	NA	T124
180	NSP: West Ballina Rugby Grounds	Human	Other	Low	NA	T166
181	NSP: Williams Reserve, Lennox Head	Human	Other	Low	NA	T166
182	NSP: Wardell Hall	Human	Other	Low	NA	T166
183	NSP: Ballina Airport Carpark	Human	Other	Low	NA	T166
184	NSP: Wardell Public School	Human	Other	Low	NA	T166
185	NSP: McLeans Rdggs Hall	Human	Other	Low	NA	T166
186	NSP: Emmanuel Anglican College	Human	Other	Low	NA	T166
187	NSP: Ballina Golf Club	Human	Other	Low	NA	T166
188	NSP: Pop Dennison Park	Human	Other	Low	NA	T166
189	NSP: Prospect Lake Park	Human	Other	Low	NA	T166
190	NSP: Headland Reserve	Human	Other	Low	NA	T166

# Far North Coast BFMC Bush Fire Risk Management Plan 2017

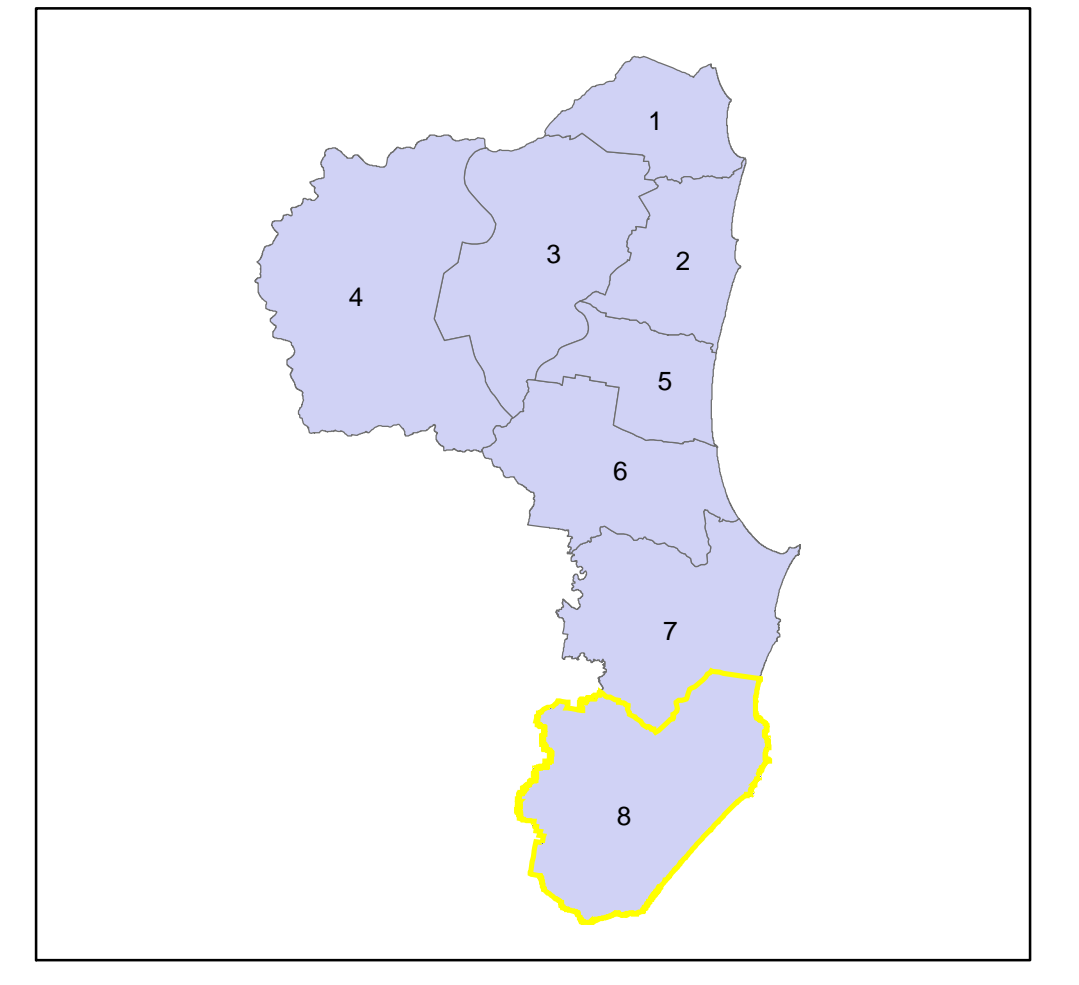
Ballina Coast and Hinterland - Map Display Area  
Map 8 of 8

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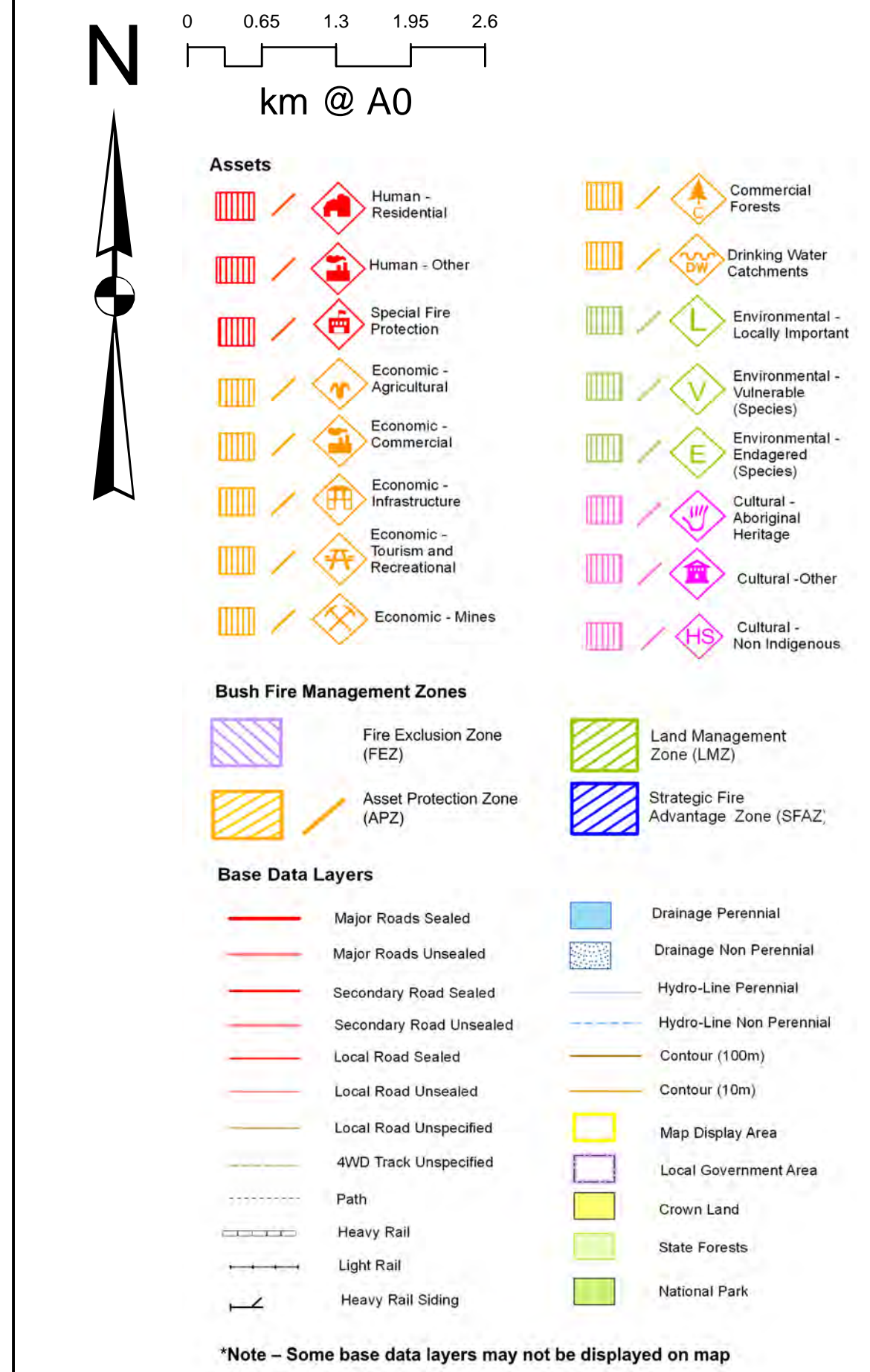
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BFRMP version 2.1.26.0



ID	Treatment strategy	Action	Agencies (Support)
T62	Community Education	Disseminate Community Education Materials	FRNSW, RFS (LGA, OEH)
T92	Ignition Management	Attempt to exclude fire from habitat	TI CL, LGA, OEH, FRNSW, Private,
T148	Preparedness	Avoid ground disturbance in known locations	TI CL, LGA, OEH, Private (FRNSW,
T93	Community Education	Disseminate community engagement materials	TI CL, LGA, OEH
T101	Hazard Reduction	Maintain roadside tree pruning	LGA
T102	Property Planning	Ensure Evacuation Plan Updated	LGA, Private
T117	Hazard Reduction	Implement AHIMS Management Conditions	TI CL, LGA, OEH, FRNSW, Private,
T160	Hazard Reduction	Maintain an APZ adjacent to assets at risk	Private (TI CL, LGA, RFS)
T161	Hazard Reduction	Maintain APZ and SFAZ	Local Aboriginal Land Councils
T23	Hazard Reduction	Implement Strategic Fire Advantage Zones	TI CL, LGA (RFS)
T27	Hazard Reduction	Maintain an Asset Protection Zone on the	TI CL, LGA
T100	Property Planning	Maintain a Community Protection Plan	TI CL, LGA, Private, RFS
T147	Hazard Reduction	Implement appropriate fire regimes	TI CL, LGA, OEH, Private, RMS,
T11	Hazard Reduction	Maintain roadside slashing regime Coast Road	LGA
T12	Community Education	Conduct targeted community engagement	LGA, RFS (Private)
T35	Hazard Reduction	Implement Strategic Fire Advantage Zone	TI CL, LGA (RFS)
T39	Community Education	Maintain Community Firewise Activities	LGA, RFS
T41	Preparedness	Maintain Fire Trails	TI CL, LGA, Private (RFS)
T51	Hazard Reduction	Maintain Strategic Fire Advantage Zones	Private (TI CL, OEH)
T54	Community Education	Maintain Schools community education program	FRNSW, RFS
T81	Hazard Reduction	Maintain an APZ adjacent to assets at risk	Private (TI CL, LGA, FRNSW, RFS)
T85	Hazard Reduction	Implement Strategic Fire Advantage Zone	TI CL, LGA (RFS)
T143	Community Education	Community Engagement	FRNSW (RFS)
T144	Hazard Reduction	Maintain APZ	Private
T146	Hazard Reduction	Maintain APZ surrounding asset	CA, TI CL, LGA, OEH, Private,
T10	Property Planning	Create and implement a Community protection	RFS (TI CL, LGA, JAILALC)

ID	Treatment strategy	Action	Agencies (Support)
T18	Hazard Reduction	Maintain an Asset Protection Zone on the	TI CL, LGA
T24	Hazard Reduction	Maintain Strategic Fire Advantage Zones	TI CL, LGA, Private (RFS)
T33	Community Education	Annual Media Release	LGA, FRNSW, RFS
T121	Property Planning	Maintain road closure procedures	RMS, Police
T3	Community Education	Conduct a Firewise Street Meeting	RFS (LGA, OEH)
T96	Community Education	Distribute Bushfire Safety Information	LGA (FRNSW, RFS)
T98	Hazard Reduction	Maintain slashing regime	LGA
T124	Hazard Reduction	Slash Asset Protection Zones	LGA
T155	Hazard Reduction	Maintain an Asset Protection Zone on the	Private (TI CL, LGA, RFS)
T21	Hazard Reduction	Maintain an Asset Protection Zone on the	Private (TI CL, LGA, OEH, FRNSW,
T153	Hazard Reduction	Implement Strategic Fire Advantage Zones	TI CL, LGA, Private (RFS)
T38	Hazard Reduction	Maintain roadside slashing regime Patches Beach	LGA
T47	Hazard Reduction	Maintain roadside slashing regime Ferry Boat	LGA
T48	Hazard Reduction	Maintain an Asset Protection Zone on the	Private (RFS)
T99	Hazard Reduction	Maintain slashing regime	LGA
T114	Community Education	Maintain Farm Firewise Program	RFS
T119	Ignition Management	Maintain Fire Permit system for cane harvesting	RFS, Sugar Cane Growers
T165	Hazard Reduction	Maintain an Asset Protection Zone	Rous Water
T166	Hazard Reduction	Maintain fuels in accordance with Guidelines	TI CL, LGA, Private (RFS)

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T24	Hazard Reduction	Maintain Strategic Fire Advantage Zones	TI CL, LGA, Private (RFS)
T33	Community Education	Annual Media Release	LGA, FRNSW, RFS
T121	Property Planning	Maintain road closure procedures	RMS, Police
T3	Community Education	Conduct a Firewise Street Meeting	RFS (LGA, OEH)
T96	Community Education	Distribute Bushfire Safety Information	LGA (FRNSW, RFS)
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T124	Hazard Reduction	Slash Asset Protection Zones	LGA
T155	Hazard Reduction	Maintain an Asset Protection Zone on the	Private (TI CL, LGA, RFS)
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