

DIRECTION
118 deg(T)

32°30.636'S
149°09.569'E

ACCURACY 10 m
DATUM WGS84



FB221

2017-01-14
14:54:19+11:00

Ungula Fire January 2017

Orana Bush Fire Management Committee

2020

Bush Fire Risk Management Plan

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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 Orana Bush Fire Management Committee and has been endorsed at the BFMC meeting on 16th April 2019 for submission to the Bush Fire Coordinating Committee.

Recommended



Chairperson
Orana Bush Fire Management Committee

Approved



On behalf of the
NSW Bush Fire Coordinating Committee

Amendment List

Amendment		Entered	
Number	Date	Signature	Date

Glossary

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

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

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

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

Bush Fire Risk Management: a systematic process that provides a range of treatments which contribute to the wellbeing 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 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, Fire and Rescue NSW, the National Parks and Wildlife Service and Forestry Corporation 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 firefighting authorities.

In exercising its functions under the Rural Fires Act 1997, including the preparation of a draft bush fire risk management plan, the Orana 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 Orana BFMC area.

This BFRMP has been prepared by the Orana 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 Orana BFMC Area

1.3.1 Location and land tenure

The Orana BFMC area is located in Central West New South Wales and includes the Local Government Areas of Dubbo Regional Council and Narromine Shire Council.

The area covered by the Orana BFMC is approximately 1,280,600 hectares. The majority of land is privately owned with some small tenures of public lands such as State Forests and Reserves. Major public land holdings within the area include the majority of the Goonoo State Conservation Area, Beni State Conservation Area and the northern tip of Goobang National Park.

Rural Fire District:	1,274,154 ha	99.52 % of total plan area
NSW Fire District:	6,146 ha	0.48 % of total plan area

1.3.2 Climate and bush fire season

The typical / average climate in the Orana BFMC area is:

- Warm to hot summers, ranging from 17°C to 34°C with some extremes exceeding 38°C for many days.
- Winter temperatures ranging from -4°C to 16°C with the regular early morning frosts in the southern area of the Dubbo Regional LGA.
- Mean average rainfall for the area is between 500-600mm per annum. Rainfall is usually fairly evenly distributed throughout the year with a slightly greater average in the summer months. January is on average, the wettest month with 60mm.

The bush fire season generally commences on the 1st October and concludes 31st March.

Prevailing weather conditions associated with the bush fire season in the Orana BFMC area are North to Westerly winds created by consecutive high pressure systems causing the high daytime temperatures. Such hot winds are usually very dry with low relative humidity often going below 20%.

1.3.3 Population and demographic information

The population of the Orana BFMC area is approximately 65,000 (Dubbo: 55,368 Narromine: 3,789 Wellington: 4,083 people).

The majority of the human settlement is centred on the City of Dubbo and townships of Wellington, Narromine and Trangie. The remaining people reside in the rural area, on large land holdings, small landholdings (hobby farms), in rural villages, or in rural residential subdivisions.

Rural Villages and high density populated areas include Ballimore, Brocklehurst, Dripstone, Elong Elong, Euchareena, Eumungerie, Geurie, Reflections Holiday Parks at Lake Burrendong, Mookerawa and Cudgegong River, Minore, Mumbil, Stuart Town, Tomingley, Toongi, Wellington Correctional Centre and Wongarbron.

Rural residential subdivisions include Avoca, Bencubbin, Bodangora, Cadonia, Cumboogle, Firgrove, High Park, Jaymark, Richmond, Sappa Bulga, Villeneuve and Wattle Road.

The following issues have been identified within the Orana BFMC area as potentially impacting the ability of certain sections of the community to prepare themselves in the event of a bush fire:

- An increase in the number of lifestyle blocks that are being created on the edge of towns to meet the growing demand. It is generally the less productive farming country that is being first sold off to developers. Owners tend to not have the ability to maintain the vegetation within the block to mitigate the risk of fires nor the previous experience of bush and grass fires to know and understand the risks.
- Majority of owners of these lifestyle blocks work in town or away.
- Especially within the Narromine LGA, rural properties are becoming larger with fewer people managing the land and therefore fewer resources for firefighting purposes.
- Tourism brings a fluctuating level of visitors to the Orana area. An example is Taronga Western Plains Zoo, Dubbo's main attraction which attracts approximately 220,000 people annually. The busiest periods are over the Easter and spring school holidays with an average of 1,000 people per day. Over the Easter Weekend, visitor numbers can be around 3,000 each day. Further examples are the Inland Holiday Parks at Lake Burrendong, Mookerawa and Cudgegong River, Wellington Caves, Burrendong Botanic Garden and Arboretum and Burrendong Sport and Recreation Centre.

1.3.4 History of bush fire frequency and ignition cause

The Orana BFMC area has on average 200-250 fires per year, of which 10-15 can be considered to be major fires.

Prior to the 1990s, bush fire history records were not kept in any formal way. However, local knowledge has been available to provide necessary information.

Records and local knowledge indicates that seventeen major fire seasons occurred in the Orana Area.

Dubbo - 1926/27, 1951/52, 1957, 1975/76, 1983/84 (Christmas Day s17 Fire), 1990/91, 1994, 2004 (s44 Fire) and 2007 (Goonoo s44).

Narromine - 1957, 1964, 1979, 1987 and 2001, (Goobang s44 Fire).

Wellington - 1975 (Euchareena s17 Fire), 1990, 1998/99, 2005/06 (Popes s44), 2009 (Hidden Valley Fire) and 2017 (Uungula s44)

These years have generally reflected periods of healthy vegetation growth after good winter and spring rainfall followed by a very hot summer. However severe fires were also experienced during the drought.

Local knowledge indicates that major fires occur approximately every 10 to 15 years. Recent experience shows that major fires are now occurring much more frequently. It has also been identified that there are two areas within the Dubbo LGA that have a natural fire path phenomenon; these are south-west of the Dubbo urban fringe from Dungary Road in the Minore Rural Fire Brigade area through to the Benalong and Mountain Creek Rural Fire Brigade areas travelling in a south-easterly direction.

The other area is in the north-east of the Dubbo urban area, starting at The Haystack Pinnacle, Mendooran Road, travelling in an easterly direction towards the village of Ballimore or in a south-easterly direction towards Mitchell Creek depending on conditions at

the time. These areas are characterised by a large amount of timbered areas and/or timbered corridors.

There are five fires on record that could only be described as being "Fire Storms", these are:

- The first two were on Christmas Day 1984 (Dubbo): the main fire started at Dungary Road and burned 7,800 ha where a fire fighter lost his life. The second started at the Haystack Pinnacle, Mendooran Road. This fire travelled 12 kilometres to the Mitchell Creek at the Golden Highway.
- The third fire occurred when a southerly change caused a change of direction at the Goobang Fire in 2001.
- The fourth fire being the Euchareena s17 Fire of 1975.
- The fifth fire started on 12 January 2007 (Goonoo s44), burnt 26,000 ha and lasted for 13 days. It was started by lightning in the south east corner of Goonoo National Park. This fire had very erratic fire behaviour which was different to most fire patterns and behaviour previously experienced in the region. Initially the fire took a major run to the north crowning with flame heights up to 10 metre above the tree canopy. A change in weather conditions following the fire's run to the north caused it to take a westerly run for approximately 20km. Under such conditions no amount of equipment or personnel would be able to control a fire of this magnitude.

In 95-99% of cases of fires in the Orana area the normal fire suppression methods generally brings these fires under control within a few hours. The other 1-5% of cases can only be described as major fires or fire storms, these can only be brought under control with steadying or changing weather conditions combined with normal fire suppression methods, including the use of water-bombing aircraft and back burning.

The main sources of ignition in the Orana BFMC area are:

- Careless acts by individuals, these can relate to some of the below items as well as people using welders, angle grinders, dragging implements behind machinery or children playing with fire or matches on days of high to extreme weather conditions.
- Farm Machinery. Headers harvesting may get dust build up or hot bearings that may cause fires. Landowners or contractors using slashers behind tractors during dry hot conditions can also cause fires from hot bearing, rotor blade striking rocks or the rotor getting tangled in old fencing wire.
- Campfire Escapes. With having a number of reserves and a number of river systems through the Orana Area, that attract fishermen and campers, camp fires have sometimes been left unattended or left without being fully extinguished resulting in fires escaping.
- Lightning Strikes. Heavy storm activity can be experienced during the January/February period; these include electrical storms which can be either dry storms or wet storms. With wet storms some lightning strikes may not show signs of starting a fire for some days after the initial strike.
- Electrical Power Supply Lines. Power lines are a potential source of fire ignition due to lack of maintenance and issues with trees and branches.
- Burning of Stolen Vehicles. During the last 15 years car theft has increased, the usual method of disposal is to take the stolen vehicle out into a rural area and burn the vehicle.

The locations for dumping and burning these vehicles are varied, it could be a forest, reserve or on the side of a rural road.

- When motor vehicle exhaust systems come into contact with vegetation on sides of roads. There are five major highways that transverse the two LGAs, converging on Dubbo. Vehicles may pull over to change drivers or to talk on the phone. If the catalytic converter (exhaust) contacts dry vegetation, a fire may be caused with the vehicle driving away not knowing what has occurred.
- Escaped controlled permit burns. Landowners carrying out a legal permit burn or notifiable burns that may escape through a sudden gust of wind or having insufficient fire break width and/or lack of appliances allowing the fire to escape.
- Arson activity. There have been some cases of arson activity; however, there are only a few occurrences where these have been the work of a serial arsonist.

Chapter 2: Identifying and Assessing the Bush Fire Risk

2.1 Process

The Australia/New Zealand Standard *AS/NZS 4360: 2004 Risk Management (Now ISO: 31000)* 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.

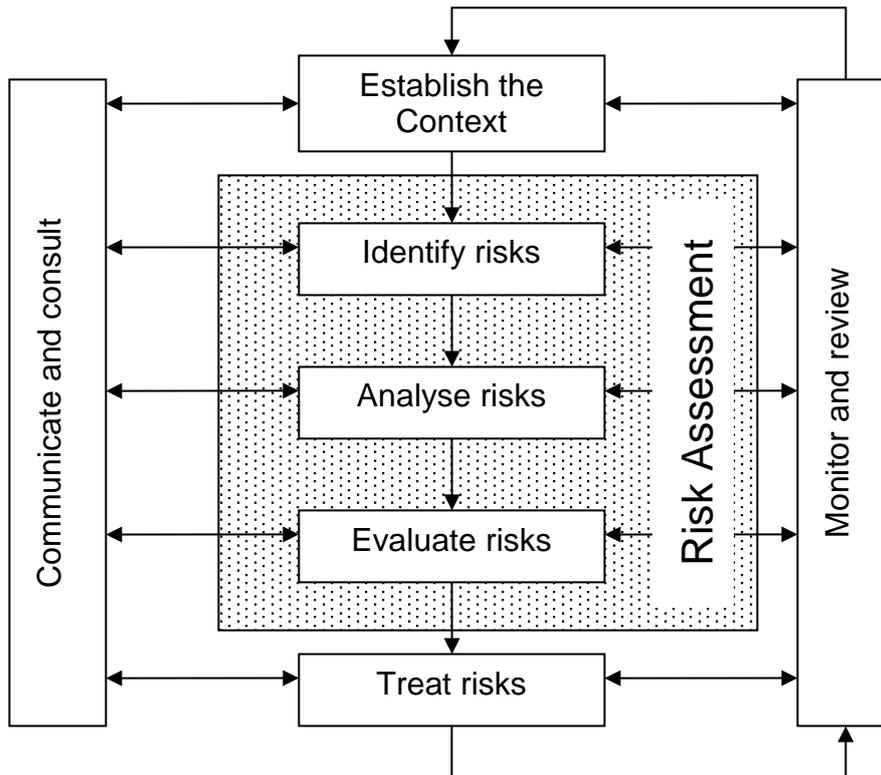


Figure 2.1 Overview of the risk assessment process

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 Orana 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 Orana 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 Orana 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.

There are many isolated rural properties within the Orana BFMC area. Due to the low individual consequence for each property we have not individually mapped them.

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;
- Drinking water catchments.

These multimillion dollar businesses have a high consequence on the Regional economy however due to the low likelihood we have not assessed them individually.

In the event of significant bush/grass fire, where a number of these primary production enterprises are affected, the local and possible regional impact will be strongly felt.

Environmental

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

Cultural

- Aboriginal significance – Aboriginal places and items of significance;
- Non-indigenous heritage – places and items arising from the early occupation of NSW by European or other non-indigenous settlers; and

- Other cultural assets – community halls, clubs and recreational facilities.

See Appendix 2 for the full list of assets identified in the Orana BFMC area. See maps 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 3 for the consequence ratings assigned to each asset identified in the Orana 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

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, Aboriginal and other historical, 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 3 for the likelihood ratings assigned to each asset identified in the Orana 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 3 for the risk ratings assigned to each asset identified in the Orana 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. It was also necessary to prioritise within the risk levels i.e. determining which of the high risks was the most serious. This was done on the basis of the consequence and likelihood ratings.

2.3.7 Risk Acceptability

Risks below high level were assessed as not requiring treatment within the life of this plan. Within the Orana 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.

All NSPs for a BFMC area will require ongoing treatment by the applicable land owner to ensure that the asset remains viable as a place of last resort for people during a bush fire. Therefore, all NSP assets are allocated specific treatments in this Plan, regardless of the level of bush fire risk identified and the risk acceptability nominated by the Orana BFMC. Appendix 5 contains locations of NSPs throughout the Orana BFMC area, these sites will be maintained in accordance with NSP guidelines and standards.

For environmental and cultural assets, the BFMC has accepted the level of risk. In most cases it is not practical to apply specific treatments due to the isolated location and sensitive nature of these assets. The protection and management of the asset will be taken into account during bush fire and prescribed burning operations. The BFMC wide treatments are likely to contribute toward the reduction of risk to these assets.

Chapter 3. Treating the Risk

3.1 Bush Fire Management Zones

Bush Fire Management Zones were identified within the Orana BFMC area and mapped (see map). 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)

For the purposes of hazard reduction, the BFMC has determined an area surrounding isolated properties may be treated as an SFAZ where it is in line with the intent of the Bushfire Environmental Assessment Code.

Some of these zones (usually Land Management Zones) may be further classified within this category by the land manager, e.g. LMZ -Heritage Management Zone (NPWS).

LMZs that have been identified as a polygon on the map will have defined management objectives. Below is a list of each identified LMZ and its associated management objectives.

LMZ – Mount Arthur

The Mount Arthur Risk Management Plan Treatments within the LMZ will be based around the strategic fire zones as listed within the plan.

Zone	Purpose	Suppression Objective(s)	Zone characteristics
Asset Protection Zone	To protect human life, property and highly valued public assets and values.	To enable the safe use of Direct Attack suppression strategies within the zone. To minimise bush fire impacts on undefended assets.	As per RFS document <i>Standards for Asset Protection Zones</i> .
Strategic Fire Advantage Zone	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: Parallel Attack suppression strategies within the zone. and/or Indirect Attack (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"> • Topography • Aspect • Spotting propensity • Location of adjacent firebreaks • 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.
Land Management Zone	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.
Fire Exclusion Zone	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 (3rd 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.

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*¹.

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

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

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

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

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

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

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

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

- **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 firefighting authorities.

- **Assessing and managing compliance with strategic firefighting resource allocation provisions**

Strategic firefighting 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.

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

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

The Operations Coordination Plan is prepared biannually and sets out how coordinated firefighting will occur. It includes specific operational restrictions on firefighting 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 Forestry Corporation NSW Regional Fuel Management Risk Plan, or a NPWS Fire Management Strategy. These publicly exhibited plans form the basis for operational fire planning on public parks, reserves and forests. Within Orana BFMC area, NPWS have prepared plans for the following reserves;

- Beni SCA Reserve Fire Management Strategy (RFMS);
- Wongarbon NR RFMS;
- Sappa Bulga NP RFMS;
- Dapper NR RFMS;
- Mogriguy NR RFMS;
- Goonoo Landscape RFMS.

- **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.

- **Grazing**

The use of grazing as a means of hazard reduction is a wide treatment used throughout the Orana BFMC area by landholders.

3.3 Asset Specific Treatments

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

The types of asset specific treatments in each strategy group used in the Orana BFMC area are listed below. A full list of the treatment strategies in the Orana BFMC area are in Appendix 2.

Strategy	Targeted treatments used in the <i>Orana</i> BFMC area
Ignition Management	Restrict access where necessary and undertake broad area surveillance
Hazard Reduction	Inspect and maintain all identified APZ/SFAZs and treat as required.
Community Education	Provide guidance and information to the community through targeted community engagement to promote self sufficiency
Property Planning	Prepare and implement Community Protection Plans Implementation of individual agency BFRMP
Preparedness	Inspect and maintain fire trial network as required s63 Inspections

Table 3.2 Asset specific treatments used in the Orana BFMC area

3.4 Fire Thresholds

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

Vegetation formation	Minimum SFAZ Threshold	Minimum LMZ Threshold	Maximum Threshold	Notes
Rainforest	NA	NA	NA	Fire should be avoided.
Alpine complex	NA	NA	NA	Fire should be avoided.
Wet Sclerophyll forest (shrubby sub formation)	25	30	60	Crown fires should be avoided in the lower end of the interval range.
Wet Sclerophyll forest (grassy sub formation)	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 sub formation)	5	8	50	Occasional intervals greater than 25 years may be desirable.
Dry sclerophyll forest (shrub sub formation)	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 sub formation)	6	9	No max	Not enough data for a maximum fire interval.
Semi-arid woodlands (shrubby sub formation)	10	15	No Max	Not enough data for a maximum fire interval.
Arid shrub lands (chenopod sub formation)	NA	NA	NA	Fire should be avoided.
Arid shrub lands (acacia sub formation)	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 firefighting authorities, responsible for implementing the treatments identified in this plan, will include those treatments in their annual works programs detailing how, when, and where the required activities will be undertaken.

3.6 Implementation

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

Chapter 4. Performance Monitoring and Reviewing

4.1 Review

This BFRMP must be reviewed and updated within each successive five-year period from the constitution of the BFMC. The Orana 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

Date	Agency	Name	Details
April 2016	NSW RFS Region West	Paul Whitely	Face to face meeting Orana FCC
April 2016	NSW Farmers	Ross Carolan	Face to face meeting Orana FCC and to provide more details.
April 2016	Transgrid	Wayne Burton	Face to face meeting Orana FCC
April 2016	NSW Police	Dan Skelly	Face to face meeting Orana FCC
April 2016	FR NSW	Gary Barber	Face to face meeting Orana FCC
April 2016	Dubbo City Council	Steve Clayton	Face to face meeting Orana FCC
April 2016	NSW RFS Orana	Lyndon Wieland	Face to face meeting Orana FCC
April 2016	NSW RFS Orana Group Officer	Peter Conn	Face to face meeting Orana FCC
April 2016	NSW RFS Orana	Bob Conran	Face to face meeting Orana FCC
April 2016	Dubbo City Council	Stewart McLeod	Face to face meeting Orana FCC
April 2016	Taronga Western Plains Zoo	Paul Metcalfe	Face to face meeting Orana FCC
April 2016	Essential Energy	Brett Gilmour	Face to face meeting Orana FCC
April 2016	John Holland CRN	Andrew Willetts	Face to face meeting Orana FCC
April 2016	Forestry Corp	Steve Campbell	Face to face meeting Orana FCC
April 2016	NSW RFS Orana	Bradley Stewart	Face to face meeting Orana FCC
April 2016	LLS	Mick Ryan	Face to face meeting Orana FCC
April 2016	Wellington Council	Bryson Rees	Face to face meeting Orana FCC
April 2016	Lake Burrendong	Jason Kirk	Face to face meeting Orana FCC
April 2016	NSW RFS Orana Group Captain	Derek Sykes	Face to face meeting Orana FCC

In addition to agency consultation prior to public exhibition, the plan was placed on display at various locations around the two LGAs, and on the Orana RFS website.

Public display took place in GPOs and service stations in villages including Trangie, Tomingley, Elong Elong, Stuart Town, Euchareena and Yeoval. The plan was discussed at most brigade AGMs as well as the Captains and Group Captains meetings in both LGAs. The RFS volunteer base is considered a reasonable cross section of these rural communities with over 1700 members.

Print and radio media was also run throughout the exhibition informing the community of the plan.

Appendix 2 Assets Register

Map Reference No	Asset type	Asset sub type	Asset name	Asset Location	LGA	Display area	Likelihood	Consequence	Risk	Priority	Treatment number
1	Economic	Tourist and Recreational	Taronga Western Plains Zoo	Obley/Newell Hwy	Dubbo	Dubbo South	Likely	Catastrophic	Extreme	1B	2
2	Human Settlement	Special Fire Protection	Ridgecrest Christian Centre		Wellington	Wellington South	Likely	Catastrophic	Extreme	1B	1
3	Human Settlement	Residential	Sappa Bulga/Minore Subdivisions		Dubbo	Narromine	Likely	Catastrophic	Extreme	1B	4;9;10
4	Human Settlement	Residential	Wattle Rd	Elong Elong locale	Wellington	Wellington North	Likely	Catastrophic	Extreme	1B	6;7;11
5	Human Settlement	Residential	Kintyre Estate	BlackButt Rd	Dubbo	Dubbo South	Likely	Catastrophic	Extreme	1B	3;5;7;8
6	Human Settlement	Special Fire Protection	Cudgegong River Caravan Park	689 Burrendong Dam Road	Dubbo	Wellington North	Likely	Catastrophic	Extreme	1B	12
7	Human Settlement	Residential	Elong Elong Village		Wellington	Wellington North	Almost certain	Major	Extreme	1C	6;13;7;14;18;19
8	Human Settlement	Special Fire Protection	Lake Burrendong State Park		Dubbo	Wellington South	Almost certain	Major	Extreme	1C	16;21
9	Human Settlement	Special Fire Protection	Mookerawa State Park		Wellington	Wellington South	Almost certain	Major	Extreme	1C	17
10	Economic	Infrastructure	Dewars Trig	Goonoo Nature Reserve	Dubbo	Dubbo East	Almost certain	Major	Extreme	1C	15
11	Human Settlement	Other	Lake Burrendong State Park Kiosk NSP	Kiosk 486 Fashions Mount Rd Mumbil	Dubbo	Wellington South	Almost certain	Major	Extreme	1C	20
12	Human Settlement	Other	Elong Elong Community Hall NSP	Dubbo Street, Elong Elong	Dubbo	Wellington North	Almost certain	Major	Extreme	1C	20
13	Human Settlement	Residential	Villeneuve Subdivision Narromine	Tomingley Rd	Narromine	Narromine	Likely	Major	Very High	2A	30
14	Human Settlement	Residential	Rosewood Estate		Dubbo	Dubbo South	Likely	Major	Very High	2A	22;23
15	Human Settlement	Residential	Ballimore Village	Golden Hwy	Dubbo	Dubbo East	Likely	Major	Very High	2A	5;24;6;19
16	Economic	Infrastructure	Mogriguy Repeater Tower	Alton Park - Godwins Lane	Dubbo	Orana	Likely	Major	Very High	2A	15
17	Economic	Infrastructure	Cumbarella RFS Repeater	Cumbarella - Ballimore Rd	Dubbo	Dubbo North	Likely	Major	Very High	2A	15
18	Human Settlement	Special Fire Protection	Wambangalang Environmental Education Centre		Dubbo	Dubbo South	Likely	Major	Very High	2A	5;27;21
19	Human Settlement	Residential	Geurie Village		Wellington	Wellington North	Likely	Major	Very High	2A	6;25;26
20	Economic	Tourist and Recreational	Burrendong Botanic Garden and Arboretum		Wellington	Wellington South	Likely	Major	Very High	2A	8;32
21	Economic	Tourist and Recreational	Mookerawa State Park		Wellington	Wellington South	Likely	Major	Very High	2A	17
22	Economic	Infrastructure	Mt Wellesley Communications Towers		Wellington	Wellington South	Likely	Major	Very High	2A	15
23	Economic	Infrastructure	Globalstar Australia Pty Ltd		Dubbo	Dubbo North	Likely	Major	Very High	2A	28
24	Economic	Infrastructure	Mt Bodangora Communications Tower		Wellington	Wellington North	Likely	Major	Very High	2A	15
25	Human Settlement	Special Fire Protection	Western TAFE		Dubbo	Dubbo South	Likely	Major	Very High	2A	27
26	Human Settlement	Residential	Mugga Downs Estate		Dubbo	Dubbo East	Likely	Major	Very High	2A	29;7;30
27	Human Settlement	Residential	High Park Subdivision Narromine	High Park Rd off Mitchell Hwy	Narromine	Narromine	Likely	Major	Very High	2A	4;14;30

Map Reference No	Asset type	Asset sub type	Asset name	Asset Location	LGA	Display area	Likelihood	Consequence	Risk	Priority	Treatment number
28	Human Settlement	Residential	Richmond Subdivision	Debeaufort Dr	Dubbo	Dubbo East	Likely	Major	Very High	2A	13;7;30
29	Economic	Infrastructure	Sappa Bulga Communications Tower		Narromine	Narromine	Likely	Major	Very High	2A	15
30	Human Settlement	Residential	Euchareena Village		Wellington	Wellington South	Likely	Major	Very High	2A	24;6;34
31	Economic	Infrastructure	Dubbo Airport	Arthur Butler Drive	Dubbo	Dubbo South	Likely	Major	Very High	2A	31
32	Economic	Tourist and Recreational	Dubbo Observatory	17L Camp Rd	Dubbo	Dubbo South	Likely	Major	Very High	2A	8
33	Human Settlement	Residential	Gundong Rd Properties		Narromine	Narromine	Likely	Major	Very High	2A	33
34	Human Settlement	Special Fire Protection	Comobella Hall		Wellington	Wellington North	Likely	Major	Very High	2A	28
35	Human Settlement	Residential	Rosebank Rd Subdivision		Narromine	Narromine	Likely	Major	Very High	2A	23
36	Environment	Endangered	Endangered Bird		Dubbo	Dubbo North	Likely	Major	Very High	2A	36
37	Cultural	Aboriginal Significance	Aboriginal Sites		Narromine	Narromine	Likely	Major	Very High	2A	35
38	Cultural	Aboriginal Significance	Aboriginal Sites		Narromine	Narromine	Likely	Major	Very High	2A	35
39	Economic	Tourist and Recreational	Dundullimal Homestead		Dubbo	Dubbo South	Likely	Major	Very High	2A	8
40	Human Settlement	Other	Minore Rural Fire Brigade NSP	Sappa Bulga Road Minore	Dubbo	Dubbo South	Likely	Major	Very High	2A	20
41	Human Settlement	Other	Burrendong Dam Wall NSP	706 The Circle Road	Dubbo	Wellington South	Likely	Major	Very High	2A	20
42	Human Settlement	Residential	Kerrs Creek		Wellington	Wellington South	Almost certain	Moderate	Very High	2C	6
43	Cultural	Non Indigenous	Goonoo Historic Fire Tower		Dubbo	Dubbo East	Almost certain	Moderate	Very High	2C	37
44	Human Settlement	Other	Nanima Village Oval NSP	300 Nanima Village Rd Nanima	Dubbo	Wellington South	Almost certain	Moderate	Very High	2C	20
45	Human Settlement	Residential	Nanima Village		Dubbo	Wellington South	Almost certain	Moderate	Very High	2C	38
0	Cultural	Aboriginal Significance	Aboriginal Site	Mitchell HWY Wellington	Dubbo	Wellington South	Likely	Moderate	High	3A	
46	Human Settlement	Residential	Delroy	Dubbo Western Interface	Dubbo	Dubbo South	Likely	Moderate	High	3A	39;4;40
47	Human Settlement	Residential	Tomingley Village	Myall St	Narromine	Narromine	Likely	Moderate	High	3A	3;23;6;45
48	Human Settlement	Residential	Montefiores Estate		Wellington	Wellington North	Likely	Moderate	High	3A	23;42
49	Human Settlement	Residential	Avoca Estate Wellington		Wellington	Wellington South	Likely	Moderate	High	3A	43
50	Human Settlement	Residential	Mumbil Village		Wellington	Wellington South	Likely	Moderate	High	3A	39;23;6
51	Human Settlement	Residential	Oakdene Subdivisions		Dubbo	Dubbo South	Likely	Moderate	High	3A	41
52	Human Settlement	Residential	Belgravia Subdivisions		Dubbo	Dubbo South	Likely	Moderate	High	3A	41;14
53	Human Settlement	Residential	North Burrabadine Subdivision	Oxlea Rd	Dubbo	Dubbo North	Likely	Moderate	High	3A	41
54	Cultural	Aboriginal Significance	Talbragar Reserve	Troy Bridge Res/	Dubbo	Dubbo North	Likely	Moderate	High	3A	
55	Human Settlement	Special Fire Protection	Vista Lodge Resort	20L Chapmans Rd	Dubbo	Dubbo South	Likely	Moderate	High	3A	9;30;44

Map Reference No	Asset type	Asset sub type	Asset name	Asset Location	LGA	Display area	Likelihood	Consequence	Risk	Priority	Treatment number
56	Cultural	Other	The Springs Homestead		Dubbo	Dubbo South	Likely	Moderate	High	3A	
57	Economic	Tourist and Recreational	Morris Park Speedway		Dubbo	Dubbo South	Likely	Moderate	High	3A	
58	Human Settlement	Residential	Eumungerie Village		Dubbo	Dubbo North	Likely	Moderate	High	3A	39;23
59	Economic	Agricultural	Lazy River Estate Winery		Dubbo	Dubbo East	Likely	Moderate	High	3A	
60	Environment	Endangered	Malleefowl Habitat	Goonoo SCA	Dubbo	Dubbo East	Likely	Moderate	High	3A	
61	Cultural	Non Indigenous	Yeoval Cemetery		Wellington	Wellington South	Likely	Moderate	High	3A	
62	Cultural	Non Indigenous	Curra Ck Cemetery		Wellington	Wellington South	Likely	Moderate	High	3A	
63	Cultural	Non Indigenous	Elong Elong Cemetery		Wellington	Wellington North	Likely	Moderate	High	3A	
64	Cultural	Non Indigenous	Euchareena Cemetery		Wellington	Wellington South	Likely	Moderate	High	3A	
65	Cultural	Non Indigenous	Stuart Town Cemetery		Wellington	Wellington South	Likely	Moderate	High	3A	
66	Cultural	Non Indigenous	Spicers Creek Cemetery		Wellington	Wellington North	Likely	Moderate	High	3A	
67	Cultural	Aboriginal Significance	Nanima Aboriginal Sites		Wellington	Wellington South	Likely	Moderate	High	3A	
68	Cultural	Aboriginal Significance	Aboriginal Sites		Dubbo	Dubbo East	Likely	Moderate	High	3A	
69	Cultural	Aboriginal Significance	Aboriginal Sites		Dubbo	Dubbo South	Likely	Moderate	High	3A	
70	Cultural	Aboriginal Significance	Aboriginal Sites		Narromine	Narromine	Likely	Moderate	High	3A	
71	Cultural	Aboriginal Significance	Aboriginal Sites		Narromine	Narromine	Likely	Moderate	High	3A	
72	Economic	Tourist and Recreational	Minore Falls Reserve		Dubbo	Dubbo North	Likely	Moderate	High	3A	46
73	Human Settlement	Other	Eumungerie Fire Shed NSP	Balladoran Street Eumungerie	Dubbo	Dubbo North	Likely	Moderate	High	3A	20
74	Human Settlement	Other	Stuart Town School of Arts Precinct NSP	Molong Street Stuart Town	Dubbo	Wellington South	Likely	Moderate	High	3A	20
75	Human Settlement	Other	Wellington Caves NSP	Wellington Golf Club 158 Caves Rd Apsley	Dubbo	Wellington South	Likely	Moderate	High	3A	20
76	Human Settlement	Other	Euchareena Hall NSP	Cnr Nubrigyn and Bent Streets	Dubbo	Wellington South	Likely	Moderate	High	3A	20
77	Economic	Infrastructure	Bodangora Wind Farm	Gillinghall Road	Dubbo	Wellington North	Likely	Moderate	High	3A	
78	Economic	Infrastructure	Dubbo Solar Farm	Sheraton Rd Dubbo	Dubbo	Dubbo East	Likely	Moderate	High	3A	
79	Economic	Infrastructure	Narromine Solar Farm	Eumungerie Rd Narromine	Dubbo	Narromine	Likely	Moderate	High	3A	
80	Human Settlement	Other	Cumboogle RFS Brigade Station NSP	Obley Road, Cumboogle	Dubbo	Dubbo South	Likely	Moderate	High	3A	20
0	Human Settlement	Residential	Mogriguy Locality	Mogriguy Rd	Dubbo	Dubbo North	Possible	Major	High	3B	39;5;47;48
81	Human Settlement	Residential	Trangie Township	Mitchell Hwy	Narromine	Narromine	Possible	Major	High	3B	24
82	Human Settlement	Residential	Firgrove Estate		Dubbo	Dubbo East	Possible	Major	High	3B	24;41
83	Economic	Agricultural	Agrigrains & pioneer seed		Narromine	Narromine	Possible	Major	High	3B	30
84	Economic	Infrastructure	Flagstaff/Store Creek Communications Site		Wellington	Wellington South	Possible	Major	High	3B	15
85	Economic	Infrastructure	Mugga Hill Communications Site		Dubbo	Dubbo East	Possible	Major	High	3B	15
86	Economic	Tourist and Recreational	Toongi Hall		Dubbo	Dubbo South	Almost certain	Minor	High	3D	
87	Economic	Tourist and Recreational	Narromine Wetlands	The McGrane Way	Narromine	Narromine	Almost certain	Minor	High	3D	49

Map Reference No	Asset type	Asset sub type	Asset name	Asset Location	LGA	Display area	Likelihood	Consequence	Risk	Priority	Treatment number
88	Human Settlement	Other	Rotary Park NSP	Culling Street Narromine	Dubbo	Narromine	Almost certain	Minor	High	3D	20
89	Economic	Agricultural	Burratippi Cotton Gin	Mitchell Hwy	Narromine	Narromine	Unlikely	Major	Medium	4	
90	Human Settlement	Residential	Narromine Township	Mitchell Hwy	Narromine	Narromine	Possible	Moderate	Medium	4	23;24
91	Human Settlement	Residential	Wongarbon Village		Dubbo	Dubbo East	Likely	Minor	Medium	4	24;54;34
92	Economic	Agricultural	Ballimore Bulk Grain Silos		Dubbo	Dubbo East	Possible	Moderate	Medium	4	
93	Economic	Agricultural	Namoi Gin	Narromine Warren Rd	Narromine	Narromine	Unlikely	Major	Medium	4	
94	Economic	Agricultural	Trangie Agricultural Research Station	Mitchell hwy	Narromine	Narromine	Possible	Moderate	Medium	4	8
95	Human Settlement	Residential	Trangie Ag Research Centre		Narromine	Narromine	Possible	Moderate	Medium	4	8
96	Cultural	Non Indigenous	Trangie Cemetery		Narromine	Narromine	Likely	Minor	Medium	4	
97	Cultural	Non Indigenous	Dandaloo Church		Narromine	Narromine	Likely	Minor	Medium	4	
98	Human Settlement	Residential	Wellington Township		Wellington	Wellington South	Likely	Minor	Medium	4	3;23
99	Human Settlement	Residential	Dripstone village		Wellington	Wellington South	Unlikely	Major	Medium	4	3;23
100	Human Settlement	Residential	Stuart Town Village		Wellington	Wellington South	Unlikely	Major	Medium	4	39;24;14
101	Economic	Tourist and Recreational	Wellington Caves		Wellington	Wellington South	Unlikely	Major	Medium	4	52
102	Human Settlement	Residential	Wellington Caves		Wellington	Wellington South	Unlikely	Major	Medium	4	51;58
103	Human Settlement	Residential	North Yeoval		Wellington	Wellington South	Likely	Minor	Medium	4	24
104	Economic	Infrastructure	Geurie Water Treatment Plan	Bald Hill Res.	Wellington	Wellington North	Likely	Minor	Medium	4	25
105	Human Settlement	Residential	Maryvale locality		Wellington	Dubbo North	Possible	Moderate	Medium	4	56
106	Economic	Tourist and Recreational	Ponto Falls Recreation Area		Wellington	Wellington North	Likely	Minor	Medium	4	50
107	Human Settlement	Special Fire Protection	Cornerstone Community		Dubbo	Dubbo North	Unlikely	Major	Medium	4	
108	Economic	Tourist and Recreational	Terramungamine Reserve	Burroway Rd, Dubbo	Dubbo	Dubbo North	Likely	Minor	Medium	4	53
109	Economic	Infrastructure	Narromine Airport		Narromine	Narromine	Likely	Minor	Medium	4	55
110	Economic	Agricultural	Seeds and Research Companies		Narromine	Narromine	Unlikely	Major	Medium	4	30;57
111	Economic	Infrastructure	Bodangora Airstrip		Wellington	Wellington North	Likely	Minor	Medium	4	
112	Economic	Infrastructure	Karuga Park Communications Tower		Wellington	Wellington South	Unlikely	Major	Medium	4	15
113	Economic	Tourist and Recreational	Mungery Racecourse	Mungery Hall rd Narromine	Narromine	Narromine	Likely	Minor	Medium	4	
114	Cultural	Non Indigenous	Geurie Cemetery		Wellington	Wellington North	Likely	Minor	Medium	4	
115	Human Settlement	Residential	Bodangora Village		Wellington	Wellington North	Possible	Moderate	Medium	4	
116	Cultural	Aboriginal Significance	Aboriginal Sites		Wellington	Wellington North	Likely	Minor	Medium	4	
117	Cultural	Aboriginal Significance	Aboriginal Sites		Dubbo	Dubbo North	Likely	Minor	Medium	4	
118	Economic	Tourist and Recreational	Dickigundi Reserve		Dubbo	Dubbo North	Likely	Minor	Medium	4	46
119	Human Settlement	Other	Trangie Agricultural Research Centre NSP	Trangie Agricultural Research Centre	Dubbo	Narromine	Unlikely	Major	Medium	4	20

Map Reference No	Asset type	Asset sub type	Asset name	Asset Location	LGA	Display area	Likelihood	Consequence	Risk	Priority	Treatment number
120	Human Settlement	Other	Wongarbon Public School NSP	Wongarbon Public School	Dubbo	Dubbo East	Unlikely	Major	Medium	4	20
121	Human Settlement	Other	Dubbo Racecourse NSP	Merrilea Road Dubbo	Dubbo	Dubbo South	Unlikely	Major	Medium	4	20
122	Human Settlement	Other	Apex Park NSP	Mitchell Highway Dubbo	Dubbo	Dubbo South	Unlikely	Major	Medium	4	20
123	Human Settlement	Other	Lady Cutler Park NSP	Bligh Street Dubbo	Dubbo	Dubbo South	Unlikely	Major	Medium	4	20
124	Human Settlement	Other	Pioneer Park NSP	Howard Ave West Dubbo	Dubbo	Dubbo South	Unlikely	Major	Medium	4	20
125	Human Settlement	Other	Ballimore Fire Station NSP	Bunyip Street Ballimore	Dubbo	Dubbo East	Likely	Minor	Medium	4	20
126	Human Settlement	Other	Tomingley Hall NSP	Myall Street Tomingley	Dubbo	Narromine	Likely	Minor	Medium	4	20
127	Human Settlement	Other	Burns Oval NSP	Cnr Mullah and Burraway Streets	Dubbo	Narromine	Unlikely	Major	Medium	4	20
128	Human Settlement	Other	Mumbil Sports Ground NSP	Cudgegong Street Mumbil	Dubbo	Wellington South	Likely	Minor	Medium	4	20
129	Human Settlement	Other	Kennard Park NSP	Simpson Street	Dubbo	Wellington South	Unlikely	Major	Medium	4	20
130	Human Settlement	Other	Tom Culkin Oval NSP	21 Wellington Street	Dubbo	Wellington North	Unlikely	Major	Medium	4	20
131	Human Settlement	Other	Market Square NSP	26-32 Gisborne Street	Dubbo	Wellington South	Unlikely	Major	Medium	4	20
132	Human Settlement	Special Fire Protection	Macquarie Correctional Facility	Goolma Rd Wellington	Dubbo	Wellington North	Likely	Minor	Medium	4	
133	Human Settlement	Special Fire Protection	Stuart Town School		Wellington	Dubbo South	Unlikely	Moderate	Low	NA	5
134	Economic	Agricultural	Trangie Silos		Narromine	Narromine	Unlikely	Moderate	Low	NA	
135	Economic	Commercial	Jannali Rd Industrial Area		Dubbo	Dubbo South	Possible	Minor	Low	NA	24
136	Human Settlement	Residential	Gin Gin Locality		Narromine	Narromine	Unlikely	Moderate	Low	NA	
137	Economic	Commercial	Trangie Airport		Narromine	Narromine	Unlikely	Minor	Low	NA	
138	Economic	Agricultural	Grain Flow		Narromine	Narromine	Unlikely	Minor	Low	NA	
139	Human Settlement	Residential	Toongi Village		Dubbo	Dubbo South	Unlikely	Moderate	Low	NA	
140	Human Settlement	Special Fire Protection	Wellington Correctional Centre		Wellington	Wellington North	Unlikely	Minor	Low	NA	
141	Human Settlement	Residential	Brocklehurst Village		Dubbo	Dubbo North	Unlikely	Moderate	Low	NA	
142	Economic	Commercial	Brocklehurst Industrial Area		Dubbo	Dubbo North	Unlikely	Minor	Low	NA	
143	Human Settlement	Residential	Cornerstone Community		Dubbo	Dubbo North	Unlikely	Minor	Low	NA	
144	Human Settlement	Residential	Cadonia Subdivision	Twelve Mile Rd	Wellington	Wellington North	Unlikely	Moderate	Low	NA	
145	Economic	Commercial	Soil Conservation Training Centre		Wellington	Wellington North	Unlikely	Minor	Low	NA	
146	Economic	Agricultural	Combo Silos		Wellington	Wellington North	Unlikely	Moderate	Low	NA	

Appendix 3 Treatment Register

Priority (Risk Rating)	Asset ID	Asset Name	Asset Location	Class	Subclass	Strategy	Treatment ID	Action Description	Responsible Agencies	Other RA	Support Agencies	Other SA	1718	1819	1920	2021	2122	2223	
1B (Extreme)	1	Taronga Western Plains Zoo	Obley/Newell Hwy	Economic	Tourist and Recreation	Hazard Reduction	2	Implement TWP Zoo FMP	Private		FRNSW;RFS		[1718]	[1819]	[1920]	[2021]	[2122]		
	2	Ridgecrest Christian Centre		Human Settlement	Special Fire Protection	Hazard Reduction	1	Implement Ridgecrest Fire Management Plan	Private		RFS		[1718]	[1819]	[1920]	[2021]	[2122]		
	3	Sappa Bulga/Minore Subdivisions		Human Settlement	Residential	Community Education	9	Conduct comm engagement promoting self sufficiency	RFS		Private					[1920]		[2122]	
						Hazard Reduction	10	Undertake SFAZ Sappa Bulga HR	NPWS					[1920]					
						Property Planning	4	Perform targeted property preparedness workshop	RFS						[2021]				
	4	Wattle Rd	Elong Elong locale	Human Settlement	Residential	Community Education	7	Implement targeted community education program	FRNSW;RFS							[1920]		[2122]	
						Hazard Reduction	11	Maintain SFAZ as per Community Protection Plan	LGA;Private								[2122]		
						Property Planning	6	Prepare Community Protection Plan	RFS								[2122]		
	5	Kintyre Estate	BlackButt Rd	Human Settlement	Residential	Community Education	7	Implement targeted community education program	FRNSW;RFS							[1920]		[2122]	
						Hazard Reduction	3	Implement roadside spray/slash program	LGA		RFS				[1819]	[1920]	[2021]	[2122]	
							5	Inspect SFAZ and maintain when required	LGA					[1920]	[2021]	[2122]	[2223]		
							8	Undertake regular property maintenance	Private			[1819]	[1920]	[2021]	[2122]				
	6	Cudgegong River Caravan Park	689 Burrendong Dam Road	Human Settlement	Special Fire Protection	Hazard Reduction	12	Implement vegetation maintenance	Private				[1718]	[1819]	[1920]	[2021]	[2122]		
1C (Extreme)	7	Elong Elong Village	Human Settlement	Residential	Community Education	7	Implement targeted community education program	FRNSW;RFS							[1920]		[2122]		
					Hazard Reduction	13	Undertake village APZ Maintenance	LGA;Private				[1819]	[1920]	[2021]	[2122]				
						14	Inspect SFAZ and maintain when required	LGA		RFS			[1819]	[1920]	[2021]	[2122]			
						18	Manage fuel in Murrungundy SFAZ	NPWS							[2122]				
					Preparedness	19	Maintain fire trail network in Goonoo NP	NPWS				[1819]	[1920]	[2021]	[2122]				
					Property Planning	6	Prepare Community Protection Plan	RFS							[2122]				
8			Human Settlement	Special Fire Protection	Hazard Reduction	21	Maintain APZ	Private;RFS					[1819]	[1920]	[2021]	[2122]			

Priority (Risk Rating)	Asset ID	Asset Name	Asset Location	Class	Subclass	Strategy	Treatment ID	Action Description	Responsible Agencies	Other RA	Support Agencies	Other SA	1718	1819	1920	2021	2122	2223	
		Lake Burrendong State Park				Property Planning	16	Implement Burrendong BFRMP	Private				[1718]	[1819]	[1920]	[2021]	[2122]		
	9	Mookerawa State Park		Human Settlement	Special Fire Protection	Property Planning	17	Implement Mookerawa BFRMP	Private				[1718]	[1819]	[1920]	[2021]	[2122]		
	10	Dewars Trig	Goonoo Nature Reserve	Economic	Infrastructure	Hazard Reduction	15	Implement radio tower APZ maintenance program	RFS				[1718]	[1819]	[1920]	[2021]	[2122]		
	11	Lake Burrendong State Park Kiosk NSP	Kiosk 486 Fashions Mount Rd Mumbil	Human Settlement	Other	Hazard Reduction	20	Maintain fuels in accordance with guidelines	RFS;DPI		RFS				[1920]	[2021]	[2122]		
	12	Elong Elong Community Hall NSP	Dubbo Street, Elong Elong	Human Settlement	Other	Hazard Reduction	20	Maintain fuels in accordance with guidelines	RFS;DPI		RFS				[1920]	[2021]	[2122]		
2A (Very High)	13	Villeneuve Subdivision Narromine	Tomingley Rd	Human Settlement	Residential	Property Planning	30	Undertake regular property maintenance	Private				[1718]	[1819]	[1920]	[2021]	[2122]		
	14	Rosewood Estate		Human Settlement	Residential	Hazard Reduction	22	Treat Bourke Hill SFAZ	LGA;Other	LALC	FRNSW;RFS				[1920]				
						Preparedness	23	Undertake targeted s63 inspections on interface	RFS				[1819]	[1920]	[2021]	[2122]			
	15	Ballimore Village	Golden Hwy	Human Settlement	Residential	Hazard Reduction	5	Inspect SFAZ and maintain when required	LGA						[1920]	[2021]	[2122]	[2223]	
							24	Village APZ maintenance	LGA				[1819]	[1920]	[2021]	[2122]			
						Preparedness	19	Maintain fire trail network in Goonoo NP	NPWS				[1819]	[1920]	[2021]	[2122]			
						Property Planning	6	Prepare Community Protection Plan	RFS							[2122]			
	16	Mogriguy Repeater Tower	Alton Park - Godwins Lane	Economic	Infrastructure	Hazard Reduction	15	Implement radio tower APZ maintenance program	RFS				[1718]	[1819]	[1920]	[2021]	[2122]		
	17	Cumbarella RFS Repeater	Cumbarella - Ballimore Rd	Economic	Infrastructure	Hazard Reduction	15	Implement radio tower APZ maintenance program	RFS				[1718]	[1819]	[1920]	[2021]	[2122]		
	18	Wambangalan g Environmental Education Centre		Human Settlement	Special Fire Protection	Hazard Reduction	5	Inspect SFAZ and maintain when required	LGA							[1920]	[2021]	[2122]	[2223]
							21	Maintain APZ	Private;RFS				[1819]	[1920]	[2021]	[2122]			
						Property Planning	27	Prepare Pre Incident Plan	Private		RFS			[1920]					
	19	Geurie Village		Human Settlement	Residential	Hazard Reduction	25	Implement Bald Hill Reserve FMP	Other	Bald Hill Reserve Trust	RFS		[1718]	[1819]	[1920]	[2021]	[2122]		
						26	Treat APZ Bald Hill	LGA;Other	Bald Hill Res. Trust			[1718]	[1819]	[1920]	[2021]	[2122]			
Property Planning						6	Prepare Community Protection Plan	RFS							[2122]				
20	Burrendong Botanic		Economic	Tourist and Recreation	Hazard Reduction	8	Undertake regular property maintenance	Private					[1819]	[1920]	[2021]	[2122]			

Priority (Risk Rating)	Asset ID	Asset Name	Asset Location	Class	Subclass	Strategy	Treatment ID	Action Description	Responsible Agencies	Other RA	Support Agencies	Other SA	1718	1819	1920	2021	2122	2223
		Garden and Arboretum				Property Planning	32	Prepare Fire Management Strategy for Arboretum	Other	Burrendong Arboretum Trust				[1819]				
	21	Mookerawa State Park		Economic	Tourist and Recreation	Property Planning	17	Implement Mookerawa BFRMP	Private				[1718]	[1819]	[1920]	[2021]	[2122]	
	22	Mt Wellesley Communications Towers		Economic	Infrastructure	Hazard Reduction	15	Implement radio tower APZ maintenance program	RFS				[1718]	[1819]	[1920]	[2021]	[2122]	
	23	Globalstar Australia Pty Ltd		Economic	Infrastructure	Property Planning	28	Undertake regular property maintenance	Private				[1718]	[1819]	[1920]	[2021]	[2122]	
	24	Mt Bodangora Communications Tower		Economic	Infrastructure	Hazard Reduction	15	Implement radio tower APZ maintenance program	RFS				[1718]	[1819]	[1920]	[2021]	[2122]	
	25	Western TAFE		Human Settlement	Special Fire Protection	Property Planning	27	Prepare Pre Incident Plan	Private		RFS				[1920]			
	26	Mugga Downs Estate		Human Settlement	Residential	Community Education	7	Implement targeted community education program	FRNSW;RFS						[1920]		[2122]	
Hazard Reduction						29	Treat TSR SFAZ	Other	LHPA	RFS			[1819]			[2122]		
Property Planning						30	Undertake regular property maintenance	Private			[1718]	[1819]	[1920]	[2021]	[2122]			
	27	High Park Subdivision Narromine	High Park Rd off Mitchell Hwy	Human Settlement	Residential	Hazard Reduction	14	Inspect SFAZ and maintain when required	LGA		RFS			[1819]	[1920]	[2021]	[2122]	
Property Planning						4	Perform targeted property preparedness workshop	RFS							[2021]			
						30	Undertake regular property maintenance	Private		[1718]	[1819]	[1920]	[2021]	[2122]				
	28	Richmond Subdivision	Debeaufort Dr	Human Settlement	Residential	Community Education	7	Implement targeted community education program	FRNSW;RFS						[1920]		[2122]	
Hazard Reduction						13	Undertake village APZ Maintenance	LGA;Private				[1819]	[1920]	[2021]	[2122]			
Property Planning						30	Undertake regular property maintenance	Private		[1718]	[1819]	[1920]	[2021]	[2122]				
	29	Sappa Bulga Communications Tower		Economic	Infrastructure	Hazard Reduction	15	Implement radio tower APZ maintenance program	RFS				[1718]	[1819]	[1920]	[2021]	[2122]	
	30	Euchareena Village		Human Settlement	Residential	Hazard Reduction	24	Village APZ maintenance	LGA					[1819]	[1920]	[2021]	[2122]	
						34	Conduct Burn, Graze, Mechanical works	LGA;RFS					[1920]					
Property Planning						6	Prepare Community Protection Plan	RFS							[2122]			
	31	Dubbo Airport	Arthur Butler Drive	Economic	Infrastructure	Hazard Reduction	31	Treat APZ	LGA					[1819]	[1920]	[2021]	[2122]	
	32	Dubbo Observatory	17L Camp Rd	Economic	Tourist and Recreation	Hazard Reduction	8	Undertake regular property maintenance	Private					[1819]	[1920]	[2021]	[2122]	

Priority (Risk Rating)	Asset ID	Asset Name	Asset Location	Class	Subclass	Strategy	Treatment ID	Action Description	Responsible Agencies	Other RA	Support Agencies	Other SA	1718	1819	1920	2021	2122	2223
	33	Gundong Rd Properties		Human Settlement	Residential	Hazard Reduction	33	Undertake SFAZ Goobang HR	NPWS				[1718]	[1819]	[1920]	[2021]	[2122]	
	34	Comobella Hall		Human Settlement	Special Fire Protection	Property Planning	28	Undertake regular property maintenance	Private				[1718]	[1819]	[1920]	[2021]	[2122]	
	35	Rosebank Rd Subdivision		Human Settlement	Residential	Preparedness	23	Undertake targeted s63 inspections on interface	RFS					[1819]	[1920]	[2021]	[2122]	
	36	Endangered Bird		Environmental	Endangered	Ignition Management	36	Manage use of fire in landscape	LGA;NPWS;RFS;DPI				[1718]	[1819]	[1920]	[2021]	[2122]	
	37	Aboriginal Sites		Cultural Heritage	Aboriginal Significance	Hazard Reduction	35	Undertake appropriate protection measures	LGA;NPWS;FRNSW;RFS;DPI				[1718]	[1819]	[1920]	[2021]	[2122]	
	38	Aboriginal Sites		Cultural Heritage	Aboriginal Significance	Hazard Reduction	35	Undertake appropriate protection measures	LGA;NPWS;FRNSW;RFS;DPI				[1718]	[1819]	[1920]	[2021]	[2122]	
	39	Dundullimal Homestead		Economic	Tourist and Recreation	Hazard Reduction	8	Undertake regular property maintenance	Private					[1819]	[1920]	[2021]	[2122]	
	40	Minore Rural Fire Brigade NSP	Sappa Bulga Road Minore	Human Settlement	Other	Hazard Reduction	20	Maintain fuels in accordance with guidelines	RFS;DPI			RFS			[1920]	[2021]	[2122]	
	41	Burrendong Dam Wall NSP	706 The Circle Road	Human Settlement	Other	Hazard Reduction	20	Maintain fuels in accordance with guidelines	RFS;DPI			RFS			[1920]	[2021]	[2122]	
2C (Very High)	42	Kerrs Creek		Human Settlement	Residential	Property Planning	6	Prepare Community Protection Plan	RFS								[2122]	
	43	Goonoo Historic Fire Tower		Cultural Heritage	Non Indigenous	Hazard Reduction	37	Maintain APZ	NPWS				[1718]	[1819]	[1920]	[2021]	[2122]	
	44	Nanima Village Oval NSP	300 Nanima Village Rd Nanima	Human Settlement	Other	Hazard Reduction	20	Maintain fuels in accordance with guidelines	RFS;DPI			RFS			[1920]	[2021]	[2122]	
	45	Nanima Village		Human Settlement	Residential	Hazard Reduction	38	SFAZ maintenance	Private			LGA;RFS		[1819]	[1920]	[2021]	[2122]	
3A (High)	0	Aboriginal Site	Mitchell HWY Wellington	Cultural Heritage	Aboriginal Significance													
		Talbragar Res.	Troy Bridge Res/	Cultural Heritage	Aboriginal Significance													
	46	Delroy	Dubbo Western Interface	Human Settlement	Residential	Hazard Reduction	39	Implement rail corridor SFAZ works	Other	John Holland	ARTC			[1819]	[1920]	[2021]	[2122]	
							40	Undertake Council Roadside HR Minore	LGA		RFS		[1819]	[1920]	[2021]	[2122]		
						Property Planning	4	Perform targeted property preparedness workshop	RFS					[2021]				
	47	Tomingley Village	Myall St	Human Settlement	Residential	Hazard Reduction	3	Implement roadside spray/slash program	LGA			RFS		[1819]	[1920]	[2021]	[2122]	
Preparedness						23	Undertake targeted s63 inspections on interface	RFS				[1819]	[1920]	[2021]	[2122]			

Priority (Risk Rating)	Asset ID	Asset Name	Asset Location	Class	Subclass	Strategy	Treatment ID	Action Description	Responsible Agencies	Other RA	Support Agencies	Other SA	1718	1819	1920	2021	2122	2223
							45	Maintain fire trail network in Goobang NP	NPWS					[1819]	[1920]	[2021]	[2122]	
						Property Planning	6	Prepare Community Protection Plan	RFS								[2122]	
	48	Montefiores Estate		Human Settlement	Residential	Hazard Reduction	42	Treat SFAZ Mt Arthur Reserve	LGA					[1819]	[1920]	[2021]	[2122]	
						Preparedness	23	Undertake targeted s63 inspections on interface	RFS					[1819]	[1920]	[2021]	[2122]	
	49	Avoca Estate Wellington		Human Settlement	Residential	Hazard Reduction	43	Implement Catombal Ranges SFAZ	Private		RFS		[1718]	[1819]	[1920]	[2021]	[2122]	
						Hazard Reduction	39	Implement rail corridor SFAZ works	Other	John Holland	ARTC			[1819]	[1920]	[2021]	[2122]	
	50	Mumbil Village		Human Settlement	Residential	Preparedness	23	Undertake targeted s63 inspections on interface	RFS					[1819]	[1920]	[2021]	[2122]	
						Property Planning	6	Prepare Community Protection Plan	RFS								[2122]	
	51	Oakdene Subdivisions		Human Settlement	Residential	Community Education	41	Conduct comm engagement promoting self sufficiency	RFS		LGA				[1920]			
						Community Education	41	Conduct comm engagement promoting self sufficiency	RFS		LGA				[1920]			
						Hazard Reduction	14	Inspect SFAZ and maintain when required	LGA		RFS			[1819]	[1920]	[2021]	[2122]	
	53	North Burrabadine Subdivision	Oxlea Rd	Human Settlement	Residential	Community Education	41	Conduct comm engagement promoting self sufficiency	RFS		LGA				[1920]			
	54	Talbragar Reserve	Troy Bridge Res/	Cultural Heritage	Aboriginal Significance													
						Community Education	9	Conduct comm engagement promoting self sufficiency	RFS		Private				[1920]		[2122]	
	55	Vista Lodge Resort	20L Chapmans Rd	Human Settlement	Special Fire Protection	Property Planning	30	Undertake regular property maintenance	Private				[1718]	[1819]	[1920]	[2021]	[2122]	
							44	Prepare/implement emergency evacuation procedures	Private		RFS			[1819]				
	56	The Springs Homestead		Cultural Heritage	Other													
	57	Morris Park Speedway		Economic	Tourist and Recreation													
						Hazard Reduction	39	Implement rail corridor SFAZ works	Other	John Holland	ARTC			[1819]	[1920]	[2021]	[2122]	
	58	Eumungerie Village		Human Settlement	Residential	Preparedness	23	Undertake targeted s63 inspections on interface	RFS					[1819]	[1920]	[2021]	[2122]	

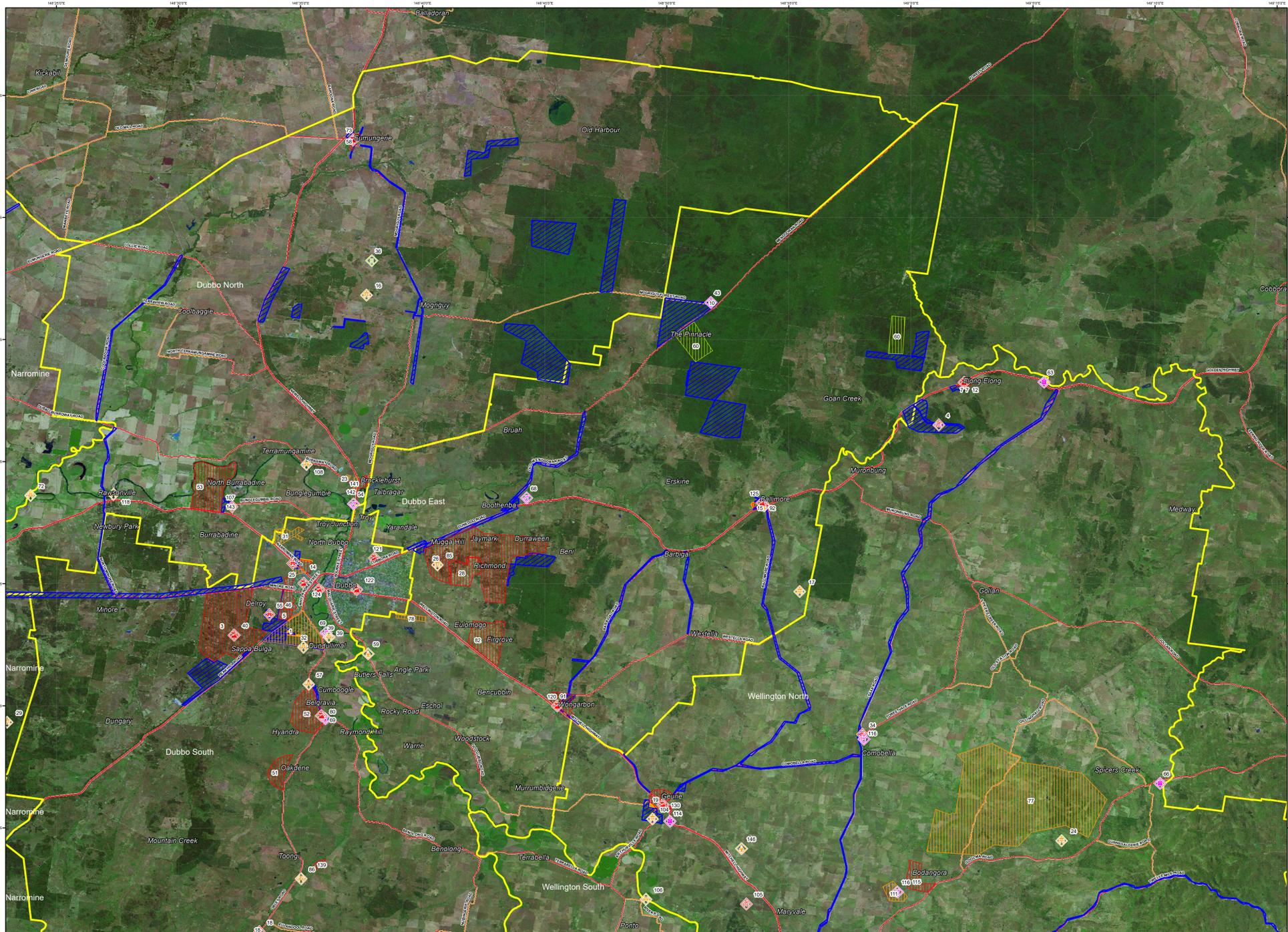
Priority (Risk Rating)	Asset ID	Asset Name	Asset Location	Class	Subclass	Strategy	Treatment ID	Action Description	Responsible Agencies	Other RA	Support Agencies	Other SA	1718	1819	1920	2021	2122	2223
	59	Lazy River Estate Winery		Economic	Agricultural													
	60	Malleefowl Habitat	Goonoo SCA	Environmental	Endangered													
	61	Yeoval Cemetery		Cultural Heritage	Non Indigenous													
	62	Curra Ck Cemetery		Cultural Heritage	Non Indigenous													
	63	Elong Elong Cemetery		Cultural Heritage	Non Indigenous													
	64	Euchareena Cemetery		Cultural Heritage	Non Indigenous													
	65	Stuart Town Cemetery		Cultural Heritage	Non Indigenous													
	66	Spicers Creek Cemetery		Cultural Heritage	Non Indigenous													
	67	Nanima Aboriginal Sites		Cultural Heritage	Aboriginal Significance													
	68	Aboriginal Sites		Cultural Heritage	Aboriginal Significance													
	69	Aboriginal Sites		Cultural Heritage	Aboriginal Significance													
	70	Aboriginal Sites		Cultural Heritage	Aboriginal Significance													
	71	Aboriginal Sites		Cultural Heritage	Aboriginal Significance													
	72	Minore Falls Reserve		Economic	Tourist and Recreation	Ignition Management	46	Install signage and Reserve management program	LGA						[1920]	[2021]	[2122]	
	73	Eumungerie Fire Shed NSP	Balladoran Street Eumungerie	Human Settlement	Other	Hazard Reduction	20	Maintain fuels in accordance with guidelines	RFS;DPI		RFS				[1920]	[2021]	[2122]	
	74	Stuart Town School of Arts Precinct NSP	Molong Street Stuart Town	Human Settlement	Other	Hazard Reduction	20	Maintain fuels in accordance with guidelines	RFS;DPI		RFS				[1920]	[2021]	[2122]	
	75	Wellington Caves NSP	Wellington Golf Club 158 Caves Rd Apsley	Human Settlement	Other	Hazard Reduction	20	Maintain fuels in accordance with guidelines	RFS;DPI		RFS				[1920]	[2021]	[2122]	
	76	Euchareena Hall NSP	Cnr Nubrigyn and Bent Streets	Human Settlement	Other	Hazard Reduction	20	Maintain fuels in accordance with guidelines	RFS;DPI		RFS				[1920]	[2021]	[2122]	
	77	Bodangora Wind Farm	Gillinghall Road	Economic	Infrastructure													
	78	Dubbo Solar Farm	Sheraton Rd Dubbo	Economic	Infrastructure													
	79	Narromine Solar Farm	Eumungerie Rd Narromine	Economic	Infrastructure													
	80	Cumboogle RFS Brigade Station NSP	Obley Road, Cumboogle	Human Settlement	Other	Hazard Reduction	20	Maintain fuels in accordance with guidelines	RFS;DPI		RFS				[1920]	[2021]	[2122]	
3B (High)	0	Mogriguy Locality	Mogriguy Rd	Human Settlement	Residential	Hazard Reduction	5	Inspect SFAZ and maintain when required	LGA						[1920]	[2021]	[2122]	[2223]
							39	Implement rail corridor SFAZ works	Other	John Holland	ARTC		[1819]	[1920]	[2021]	[2122]		
							47	Maintain SFAZ SouthWest Corner	NPWS			[1718]	[1819]	[1920]	[2021]	[2122]		

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							48	Undertake SFAZ Western Boundary HR	NPWS				[1718]	[1819]	[1920]	[2021]	[2122]		
	81	Trangie Township	Mitchell Hwy	Human Settlement	Residential	Hazard Reduction	24	Village APZ maintenance	LGA					[1819]	[1920]	[2021]	[2122]		
	82	Firgrove Estate		Human Settlement	Residential	Community Education	41	Conduct comm engagement promoting self sufficiency	RFS		LGA				[1920]				
						Hazard Reduction	24	Village APZ maintenance	LGA			[1819]	[1920]	[2021]	[2122]				
	83	Agrigrains & pioneer seed		Economic	Agricultural	Property Planning	30	Undertake regular property maintenance	Private					[1718]	[1819]	[1920]	[2021]	[2122]	
	84	Flagstaff/Store Creek Communications Site		Economic	Infrastructure	Hazard Reduction	15	Implement radio tower APZ maintenance program	RFS					[1718]	[1819]	[1920]	[2021]	[2122]	
85	Mugga Hill Communications Site		Economic	Infrastructure	Hazard Reduction	15	Implement radio tower APZ maintenance program	RFS					[1718]	[1819]	[1920]	[2021]	[2122]		
3D (High)	86	Toongi Hall		Economic	Tourist and Recreation														
	87	Narromine Wetlands	The McGrane Way	Economic	Tourist and Recreation	Hazard Reduction	49	Inspect SFAZ and maintain when required.	LGA;RFS							[2021]			
	88	Rotary Park NSP	Culling Street Narromine	Human Settlement	Other	Hazard Reduction	20	Maintain fuels in accordance with guidelines	RFS;DPI		RFS				[1920]	[2021]	[2122]		
4 (Medium)	89	Burratippi Cotton Gin	Mitchell Hwy	Economic	Agricultural														
	90	Narromine Township	Mitchell Hwy	Human Settlement	Residential	Hazard Reduction	24	Village APZ maintenance	LGA					[1819]	[1920]	[2021]	[2122]		
						Preparedness	23	Undertake targeted s63 inspections on interface	RFS			[1819]	[1920]	[2021]	[2122]				
	91	Wongarbon Village		Human Settlement	Residential	Hazard Reduction	24	Village APZ maintenance	LGA					[1819]	[1920]	[2021]	[2122]		
							34	Conduct Burn, Graze, Mechanical works	LGA;RFS				[1920]						
							54	Maintain SFAZ	NPWS			[1718]	[1819]	[1920]	[2021]	[2122]			
	92	Ballimore Bulk Grain Silos		Economic	Agricultural														
	93	Namoi Gin	Narromine Warren Rd	Economic	Agricultural														
	94	Trangie Agricultural Research Station	Mitchell Hwy	Economic	Agricultural	Hazard Reduction	8	Undertake regular property maintenance	Private					[1819]	[1920]	[2021]	[2122]		
	95	Trangie Ag Research Centre		Human Settlement	Residential	Hazard Reduction	8	Undertake regular property maintenance	Private					[1819]	[1920]	[2021]	[2122]		
	96	Trangie Cemetery		Cultural Heritage	Non Indigenous														
97	Dandaloo Church		Cultural Heritage	Non Indigenous															
98	Wellington Township		Human Settlement	Residential	Hazard Reduction	3	Implement roadside spray/slash program	LGA		RFS			[1819]	[1920]	[2021]	[2122]			

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						Preparedness	23	Undertake targeted s63 inspections on interface	RFS					[1819]	[1920]	[2021]	[2122]	
	99	Dripstone village		Human Settlement	Residential	Hazard Reduction	3	Implement roadside spray/slash program	LGA		RFS			[1819]	[1920]	[2021]	[2122]	
						Preparedness	23	Undertake targeted s63 inspections on interface	RFS					[1819]	[1920]	[2021]	[2122]	
	100	Stuart Town Village		Human Settlement	Residential	Hazard Reduction	14	Inspect SFAZ and maintain when required	LGA		RFS			[1819]	[1920]	[2021]	[2122]	
					24		Village APZ maintenance	LGA						[1819]	[1920]	[2021]	[2122]	
					39		Implement rail corridor SFAZ works	Other	John Holland	ARTC				[1819]	[1920]	[2021]	[2122]	
	101	Wellington Caves		Economic	Tourist and Recreation	Hazard Reduction	52	Treat Wellington Caves SFAZ	Private					[1819]		[2021]		
	102	Wellington Caves		Human Settlement	Residential	Hazard Reduction	58	Perform maintenance along existing tracks	LGA				[1718]	[1819]	[1920]	[2021]	[2122]	
						Preparedness	51	Enact Bush Fire Safety Plan	LGA		RFS			[1819]	[1920]	[2021]	[2122]	
	103	North Yeoval		Human Settlement	Residential	Hazard Reduction	24	Village APZ maintenance	LGA					[1819]	[1920]	[2021]	[2122]	
	104	Geurie Water Treatment Plan	Bald Hill Res.	Economic	Infrastructure	Hazard Reduction	25	Implement Bald Hill Reserve FMP	Other	Bald Hill Reserve Trust	RFS		[1718]	[1819]	[1920]	[2021]	[2122]	
	105	Maryvale locality		Human Settlement	Residential	Hazard Reduction	56	Maintain APZ Ponto Falls Reserve	LGA				[1718]	[1819]	[1920]	[2021]	[2122]	
	106	Ponto Falls Recreation Area		Economic	Tourist and Recreation	Ignition Management	50	Create break around Reserve	LGA					[1819]	[1920]	[2021]	[2122]	
	107	Cornerstone Community		Human Settlement	Special Fire Protection													
	108	Terramungami ne Reserve	Burroway Rd, Dubbo	Economic	Tourist and Recreation	Hazard Reduction	53	Conduct Council Reserve slashing program	LGA					[1819]	[1920]	[2021]	[2122]	
	109	Narromine Airport		Economic	Infrastructure	Hazard Reduction	55	Carry out Maintenance of Airport	LGA						[1920]	[2021]	[2122]	[2223]
	110	Seeds and Research Companies		Economic	Agricultural	Property Planning	30	Undertake regular property maintenance	Private				[1718]	[1819]	[1920]	[2021]	[2122]	
					57		Prepare Pre Incident Plan	Private										[2122]
	111	Bodangora Airstrip		Economic	Infrastructure													
	112	Karuga Park Communications Tower		Economic	Infrastructure	Hazard Reduction	15	Implement radio tower APZ maintenance program	RFS				[1718]	[1819]	[1920]	[2021]	[2122]	
	113	Mungery Racecourse	Mungery Hall rd Narromine	Economic	Tourist and Recreation													
	114	Geurie Cemetery		Cultural Heritage	Non Indigenous													
	115	Bodangora Village		Human Settlement	Residential													

Priority (Risk Rating)	Asset ID	Asset Name	Asset Location	Class	Subclass	Strategy	Treatment ID	Action Description	Responsible Agencies	Other RA	Support Agencies	Other SA	1718	1819	1920	2021	2122	2223
	116	Aboriginal Sites		Cultural Heritage	Aboriginal Significance													
	117	Aboriginal Sites		Cultural Heritage	Aboriginal Significance													
	118	Dickigundi Reserve		Economic	Tourist and Recreation	Ignition Management	46	Install signage and Reserve management program	LGA						[1920]	[2021]	[2122]	
	119	Trangie Agricultural Research Centre NSP	Trangie Agricultural Research Centre	Human Settlement	Other	Hazard Reduction	20	Maintain fuels in accordance with guidelines	RFS;DPI		RFS				[1920]	[2021]	[2122]	
	120	Wongarbon Public School NSP	Wongarbon Public School	Human Settlement	Other	Hazard Reduction	20	Maintain fuels in accordance with guidelines	RFS;DPI		RFS				[1920]	[2021]	[2122]	
	121	Dubbo Racecourse NSP	Merrilea Road Dubbo	Human Settlement	Other	Hazard Reduction	20	Maintain fuels in accordance with guidelines	RFS;DPI		RFS				[1920]	[2021]	[2122]	
	122	Apex Park NSP	Mitchell Highway Dubbo	Human Settlement	Other	Hazard Reduction	20	Maintain fuels in accordance with guidelines	RFS;DPI		RFS				[1920]	[2021]	[2122]	
	123	Lady Cutler Park NSP	Bligh Street Dubbo	Human Settlement	Other	Hazard Reduction	20	Maintain fuels in accordance with guidelines	RFS;DPI		RFS				[1920]	[2021]	[2122]	
	124	Pioneer Park NSP	Howard Ave West Dubbo	Human Settlement	Other	Hazard Reduction	20	Maintain fuels in accordance with guidelines	RFS;DPI		RFS				[1920]	[2021]	[2122]	
	125	Ballimore Fire Station NSP	Bunyip Street Ballimore	Human Settlement	Other	Hazard Reduction	20	Maintain fuels in accordance with guidelines	RFS;DPI		RFS				[1920]	[2021]	[2122]	
	126	Tomingley Hall NSP	Myall Street Tomingley	Human Settlement	Other	Hazard Reduction	20	Maintain fuels in accordance with guidelines	RFS;DPI		RFS				[1920]	[2021]	[2122]	
	127	Burns Oval NSP	Cnr Mullah and Burraway Streets	Human Settlement	Other	Hazard Reduction	20	Maintain fuels in accordance with guidelines	RFS;DPI		RFS				[1920]	[2021]	[2122]	
	128	Mumbil Sports Ground NSP	Cudgegong Street Mumbil	Human Settlement	Other	Hazard Reduction	20	Maintain fuels in accordance with guidelines	RFS;DPI		RFS				[1920]	[2021]	[2122]	
	129	Kennard Park NSP	Simpson Street	Human Settlement	Other	Hazard Reduction	20	Maintain fuels in accordance with guidelines	RFS;DPI		RFS				[1920]	[2021]	[2122]	
	130	Tom Culkin Oval NSP	21 Wellington Street	Human Settlement	Other	Hazard Reduction	20	Maintain fuels in accordance with guidelines	RFS;DPI		RFS				[1920]	[2021]	[2122]	
	131	Market Square NSP	26-32 Gisborne Street	Human Settlement	Other	Hazard Reduction	20	Maintain fuels in accordance with guidelines	RFS;DPI		RFS				[1920]	[2021]	[2122]	
	132	Macquarie Correctional Facility	Goolma Rd Wellington	Human Settlement	Special Fire Protection													
NA (Low)	133	Stuart Town School		Human Settlement	Special Fire Protection	Hazard Reduction	5	Inspect SFAZ and maintain when required	LGA						[1920]	[2021]	[2122]	[2223]
	134	Trangie Silos		Economic	Agricultural													
	135	Jannali Rd Industrial Area		Economic	Commercial	Hazard Reduction	24	Village APZ maintenance	LGA				[1819]	[1920]	[2021]	[2122]		
	136	Gin Gin Locality		Human Settlement	Residential													
	137	Trangie Airport		Economic	Commercial													
	138	Grain Flow		Economic	Agricultural													
	139	Toongi Village		Human Settlement	Residential													

Priority (Risk Rating)	Asset ID	Asset Name	Asset Location	Class	Subclass	Strategy	Treatment ID	Action Description	Responsible Agencies	Other RA	Support Agencies	Other SA	1718	1819	1920	2021	2122	2223
	140	Wellington Correctional Centre		Human Settlement	Special Fire Protection													
	141	Brocklehurst Village		Human Settlement	Residential													
	142	Brocklehurst Industrial Area		Economic	Commercial													
	143	Cornerstone Community		Human Settlement	Residential													
	144	Cadonia Subdivision	Twelve Mile Rd	Human Settlement	Residential													
	145	Soil Conservation Training Centre		Economic	Commercial													
	146	Combo Silos		Economic	Agricultural													



Map Ref	Asset name	Asset type	Subtype	Risk level	Priority	Treatment
10	Dewars Trg	Economic	Infrastructure	Extreme	1C	T15
15	Baltimore Village	Human	Residential	Very High	2A	T5;24;6;19
26	Mugga Downs Estate	Human	Residential	Very High	2A	T29;7;30
28	Richmond Subdivision	Human	Residential	Very High	2A	T13;7;30
43	Goonoo Historic Fire Tower	Cultural	Non	Very High	2C	T37
82	Figrove Estate	Human	Residential	High	3B	T24;41
85	Mugga Hill Communications Site	Economic	Infrastructure	High	3B	T15
91	Wongarbon Village	Human	Residential	Medium	4	T24;54;34
120	Wongarbon Public School NSP	Human	Other	Medium	4	T20
125	Baltimore Fire Station NSP	Human	Other	Medium	4	T20

Orana BFMC Bush Fire Risk Management Plan 2020

Dubbo East - Map Display Area
Map 1 of 6

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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 cause;
 - normal fire suppression activities;
 - assessing and managing compliance with strategic fire-fighting resource allocation management systems;
 - preparation of a S52 Operations Coordination Plan;

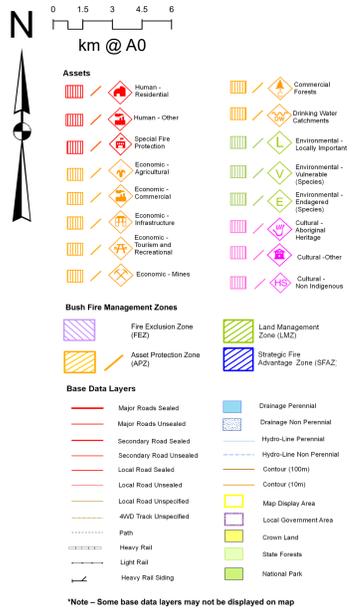
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Zone	Purpose	Suppression	Zone
Asset Protection Zone	To protect human life, property and highly valued public assets and values.	To enable the safe use of Direct Attack suppression strategies within the zone. To minimise bush fire impacts on undefended assets.	As per RFS document Standards for Asset Protection Zones.
Strategic Fire Advantage Zone	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 Parallel Attack suppression strategies within the zone. Indirect Attack (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.
Land Management Zone	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 protection objectives of the responsible land management agency. To reduce the likelihood of spread of fires. To undertake mosaic burning.
Fire Exclusion Zone	To exclude bush fires.	N/A	Variable dependant on size of fire sensitive area requiring protection.

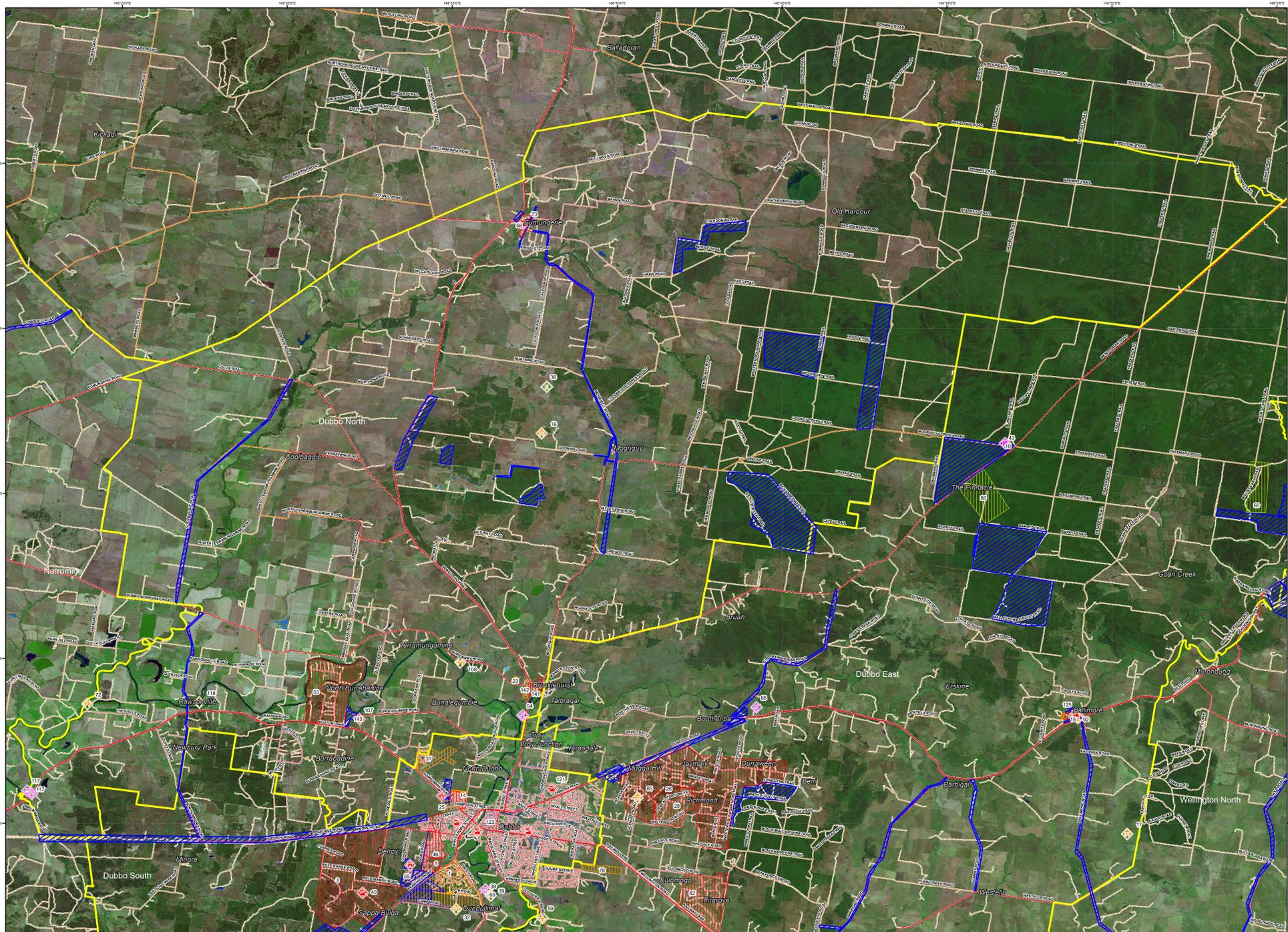
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ID	Treatment strategy	Action	Agencies (Support)
T5	Hazard Reduction	Inspect SFAZ and maintain when required	LGA
T6	Property Planning	Prepare Community Protection Plan	RFS
T7	Community Education	Implement targeted community education	FRNSW, RFS
T13	Hazard Reduction	Undertake village APZ Maintenance	LGA, Private
T15	Hazard Reduction	Implement radio tower APZ maintenance	RFS
T19	Preparedness	Maintain fire trail network in Goonoo NP	NPWS
T20	Hazard Reduction	Maintain fuels in accordance with guidelines	RFS, DPI (RFS)
T24	Hazard Reduction	Village APZ maintenance	LGA
T29	Hazard Reduction	Treat TSR SFAZ	LHPA (RFS)
T30	Property Planning	Undertake regular property maintenance	Private
T34	Hazard Reduction	Conduct Burn, Graze, Mechanical works	LGA, RFS
T37	Hazard Reduction	Maintain APZ	NPWS
T41	Community Education	Conduct comm engagement proposing self	RFS (LGA)
T54	Hazard Reduction	Maintain SFAZ	NPWS



Map Ref	Asset name	Asset type	Subtype	Risk level	Priority	Treatment
17	Cumbarella RFS Repeater	Economic	Infrastructure	Very High	2A	T15
23	Globalstar Australia Pty Ltd	Economic	Infrastructure	Very High	2A	T28
36	Endangered Bird	Environment	Endangered	Very High	2A	T36
53	North Burrabadine Subdivision	Human	Residential	High	3A	T41
58	Eumungene Village	Human	Residential	High	3A	T39,23
72	Minore Falls Reserve	Economic	Tourist and	High	3A	T46
73	Eumungene Fire Shed NSP	Human	Other	High	3A	T20
NA	Mogriguy Locality	Human	Residential	High	3B	T39,5,47,48
105	Maryvale locality	Human	Residential	Medium	4	T56
108	Terramungamine Reserve	Economic	Tourist and	Medium	4	T53
118	Dickgund Reserve	Economic	Tourist and	Medium	4	T46

Orana BFMC Bush Fire Risk Management Plan 2020

Dubbo North - Map Display Area
Map 2 of 6

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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 cause;
 - normal fire suppression activities;
 - assessing and managing compliance with strategic fire-fighting resource allocation management systems;
 - preparation of a S52 Operations Coordination Plan;

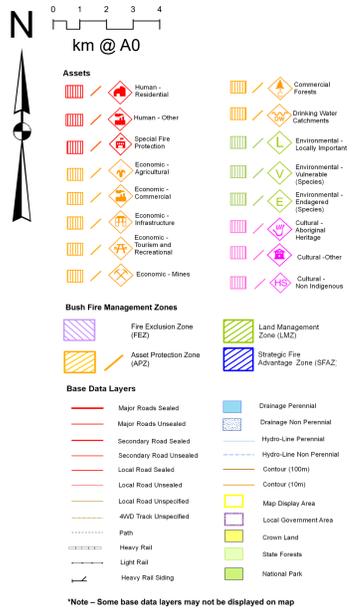
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Land Management Zone	To meet relevant land management objectives in area where APZs or SFAZs are not appropriate.	As per the land management and fire protection objectives of the responsible land management agency. To reduce the likelihood of spread 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.
Fire Exclusion Zone	To exclude bush fires.	N/A	Variable dependant on size of fire sensitive area requiring protection.

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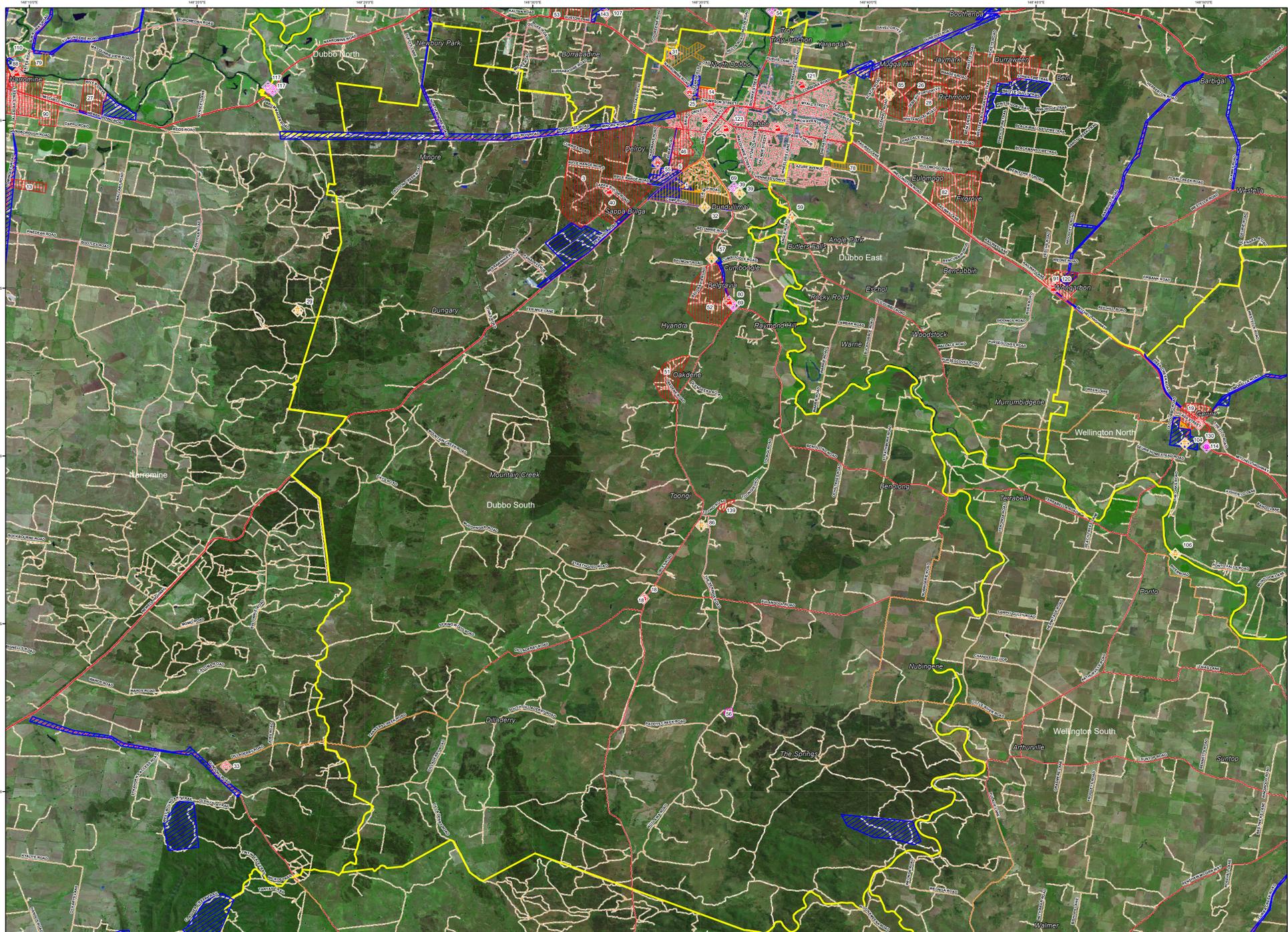
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ID	Treatment strategy	Action	Agencies (Support)
T5	Hazard Reduction	Inspect SFAZ and maintain when required	LGA
T15	Hazard Reduction	Implement radio tower APZ maintenance	RFS
T20	Hazard Reduction	Maintain fuels in accordance with guidelines	RFS, DPI (RFS)
T23	Preparedness	Undertake targeted s63 inspections on interface	RFS
T28	Property Planning	Undertake regular Property Maintenance	Private
T36	Ignition Management	Manage use of fire in landscape	LGA, NPWS, RFS, DPI
T39	Hazard Reduction	Implement rail corridor SFAZ works	John Holland (ARTC)
T41	Community Education	Conduct comm engagement promoting self	RFS (LGA)
T46	Ignition Management	Install signage and Reserve management	LGA
T47	Hazard Reduction	Maintain SFAZ SouthWest Corner	NPWS
T48	Hazard Reduction	Undertake SFAZ Western Boundary HR	NPWS
T53	Hazard Reduction	Conduct Council Reserve slashing program	LGA
T56	Hazard Reduction	Maintain APZ Ponto Falls Reserve	LGA

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



Map Ref	Asset name	Asset type	Subtype	Risk level	Priority	Treatment
1	Taronga Western Plains Zoo	Economic	Tourist and	Extreme	1B	T2
5	Kintyre Estate	Human	Residential	Extreme	1B	T3;5;7;8
14	Rosewood Estate	Human	Residential	Very High	2A	T22;23
18	Wambalangang Environmental	Human	Special Fire	Very High	2A	T5;27;21
25	Western TAFE	Human	Special Fire	Very High	2A	T27
31	Dubbo Airport	Economic	Infrastructure	Very High	2A	T31
32	Dubbo Observatory	Economic	Tourist and	Very High	2A	T8
39	Dundullimal Homestead	Economic	Tourist and	Very High	2A	T8
40	Minor Rural Fire Brigade NSP	Human	Other	Very High	2A	T20
46	Delroy	Human	Residential	High	3A	T39;4;40
51	Oakdene Subdivisions	Human	Residential	High	3A	T41
52	Belgravia Subdivisions	Human	Residential	High	3A	T41;14
55	Vista Lodge Resort	Human	Special Fire	High	3A	T9;30;44
80	Cumboogie RFS Brigade Station NSP	Human	Other	High	3A	T20
121	Dubbo Racecourse NSP	Human	Other	Medium	4	T20
122	Apex Park NSP	Human	Other	Medium	4	T20
123	Lady Cutler Park NSP	Human	Other	Medium	4	T20
124	Pioneer Park NSP	Human	Other	Medium	4	T20
133	Stuart Town School	Human	Special Fire	Low	NA	T5
135	Janall Rd Industrial Area	Economic	Commercial	Low	NA	T24

Orana BFMC Bush Fire Risk Management Plan 2020

Dubbo South - Map Display Area
Map 3 of 6

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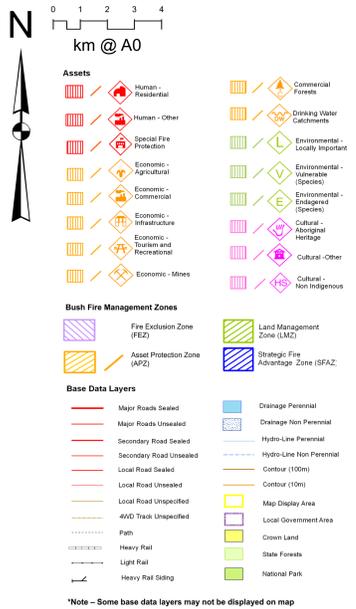
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ID	Treatment strategy	Action	Agencies (Support)
T2	Hazard Reduction	Implement TWP Zoo FMP	Private (FRNSW, RFS)
T3	Hazard Reduction	Implement roadside spray/slash program	LGA (RFS)
T4	Property Planning	Perform targeted property preparedness	RFS
T5	Hazard Reduction	Inspect SFAZ and maintain when required	LGA
T7	Community Education	Implement targeted community education	FRNSW, RFS
T8	Hazard Reduction	Undertake regular property maintenance	Private
T9	Community Education	Conduct comm engagement proposing self	RFS (Private)
T14	Hazard Reduction	Inspect SFAZ and maintain when required	LGA (RFS)
T20	Hazard Reduction	Maintain fuel in accordance with guidelines	RFS, DPI (RFS)
T21	Hazard Reduction	Maintain APZ	Private, RFS
T22	Hazard Reduction	Treat Bourke Hill SFAZ	LGA, LALC (FRNSW, RFS)
T23	Preparedness	Undertake targeted s63 inspections on interface	RFS
T24	Hazard Reduction	Village APZ maintenance	LGA
T27	Property Planning	Prepare Pre Incident Plan	Private (RFS)
T30	Property Planning	Undertake regular property maintenance	Private
T31	Hazard Reduction	Treat APZ	LGA
T39	Hazard Reduction	Implement rail corridor SFAZ works	John Holland (ARTC)
T40	Hazard Reduction	Undertake Council Roadside HR Minor	LGA (RFS)
T41	Community Education	Conduct comm engagement proposing self	RFS (LGA)
T44	Property Planning	Prepare/implement emergency evacuation	Private (RFS)

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Orana BFMC Bush Fire Risk Management Plan 2020

Narrormine - Map Display Area

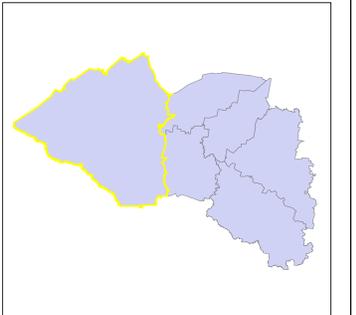
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 - investigation of bush fire cause;
 - normal fire suppression activities;
 - assessing and managing compliance with strategic fire-fighting resource allocation management systems;
 - preparation of a S52 Operations Coordination Plan;

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
Asset Protection Zone	To protect human life, property and highly valued public assets and values.	To enable the safe use of Direct Attack suppression strategies within the zone. To minimise bush fire impacts on undefended assets.	As per RFS document Standards for Asset Protection Zones.
Strategic Fire Advantage Zone	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 Parallel Attack suppression strategies within the zone. Indirect Attack (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.
Land Management Zone	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 protection objectives of the responsible land management agency. To reduce the likelihood of spread of fires. To undertake mosaic burning.
Fire Exclusion Zone	To exclude bush fires.	N/A	Variable dependant on size of fire sensitive area requiring protection.

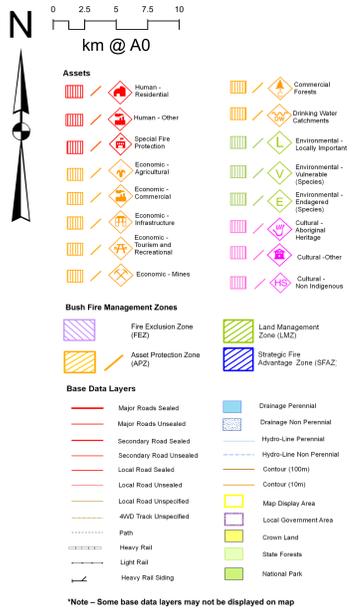
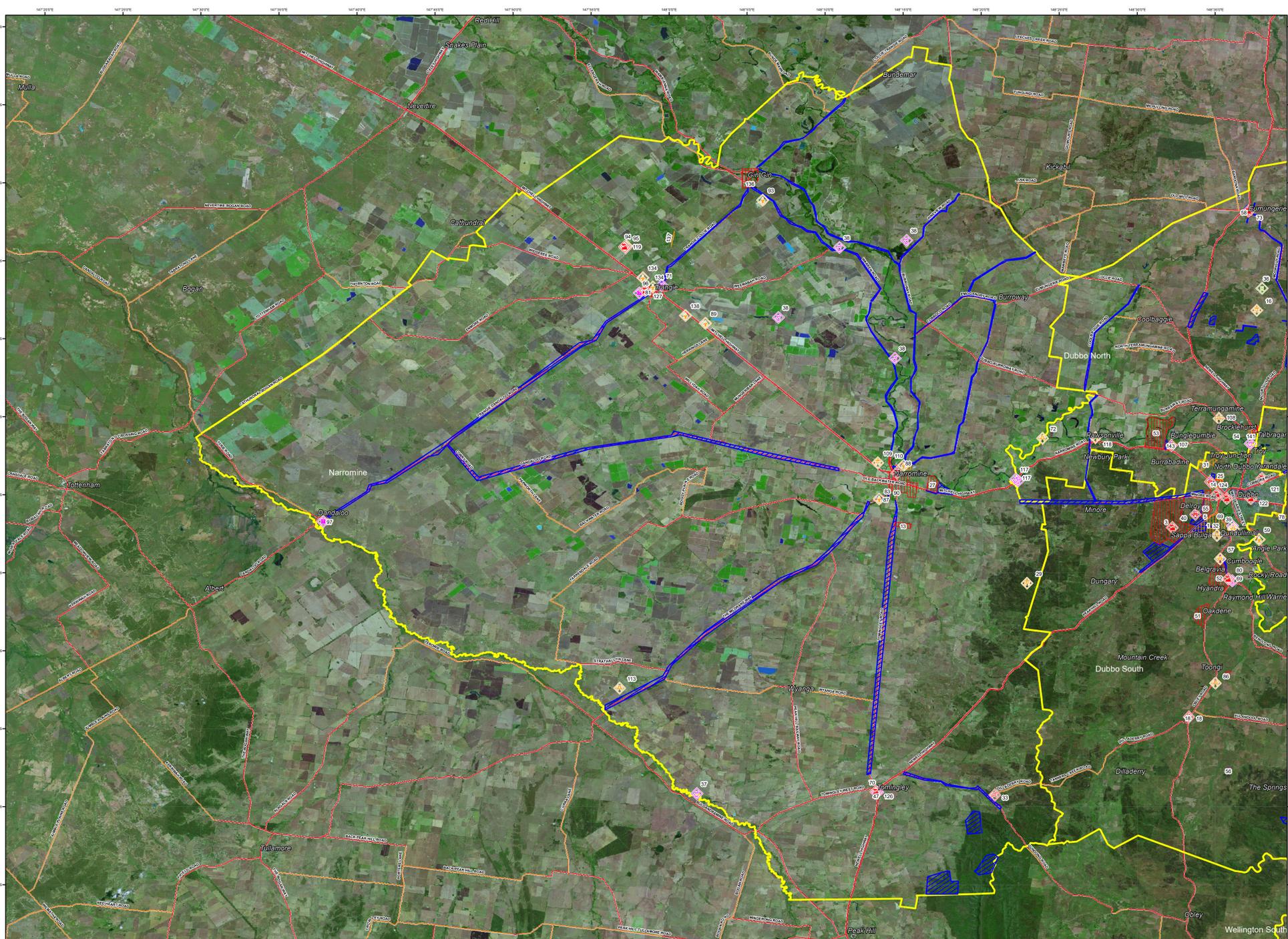
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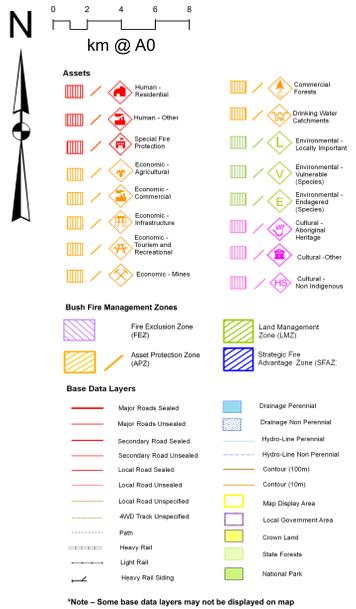
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Map Ref	Asset name	Asset type	Subtype	Risk level	Priority	Treatment
3	Sappa Bulga/Minore Subdivisions	Human	Residential	Extreme	1B	T4;9;10
13	Villeneuve Subdivision Narrormine	Human	Residential	Very High	2A	T30
27	High Park Subdivision Narrormine	Human	Residential	Very High	2A	T4;14;30
29	Sappa Bulga Communications Tower	Economic	Infrastructure	Very High	2A	T15
33	Gundong Rd Properties	Human	Residential	Very High	2A	T33
35	Rosebank Rd Subdivision	Human	Residential	Very High	2A	T23
37	Aboriginal Sites	Cultural	Aboriginal	Very High	2A	T35
38	Aboriginal Sites	Cultural	Aboriginal	Very High	2A	T35
47	Tomingley Village	Human	Residential	High	3A	T3;23;6;45
81	Trangle Township	Human	Residential	High	3B	T24
83	AgriGrains & pioneer seed	Economic	Agricultural	High	3B	T30
87	Narrormine Wetlands	Economic	Tourist and	High	3D	T49
88	Rotary Park NSP	Human	Other	High	3D	T20
90	Narrormine Township	Human	Other	Medium	4	T23;24
94	Trangle Agricultural Research Station	Economic	Agricultural	Medium	4	T8
95	Trangle Ag Research Centre	Human	Residential	Medium	4	T8
109	Narrormine Airport	Economic	Infrastructure	Medium	4	T55
110	Seeds and Research Companies	Economic	Agricultural	Medium	4	T30;57
119	Trangle Agricultural Research Centre	Human	Other	Medium	4	T20
126	Tomingley Hall NSP	Human	Other	Medium	4	T20
127	Burns Oval NSP	Human	Other	Medium	4	T20



ID	Treatment strategy	Action	Agencies (Support)
T3	Hazard Reduction	Implement roadside spray/slash program	LGA (RFS)
T4	Property Planning	Perform targeted property preparedness	RFS
T6	Property Planning	Prepare Community Protection Plan	RFS
T8	Hazard Reduction	Undertake regular property maintenance	Private
T9	Community Education	Conduct comm engagement proposing self	RFS (Private)
T10	Hazard Reduction	Undertake SFAZ Sappa Bulga HR	NPWS
T14	Hazard Reduction	Inspect SFAZ and maintain when required	LGA (RFS)
T15	Hazard Reduction	Implement radio tower APZ maintenance	RFS
T20	Hazard Reduction	Maintain fuels in accordance with guidelines	RFS, DPI (RFS)
T23	Preparedness	Undertake targeted s63 inspections on interface	RFS
T24	Hazard Reduction	Village APZ maintenance	LGA
T30	Property Planning	Undertake regular property maintenance	Private
T33	Hazard Reduction	Undertake SFAZ Goobang HR	NPWS
T35	Hazard Reduction	Undertake appropriate protection measures	LGA, NPWS, FRNSW, RFS, DPI
T45	Preparedness	Maintain fire train/network in Goobang NP	NPWS
T49	Hazard Reduction	Inspect SFAZ and maintain when required.	LGA, RFS
T55	Hazard Reduction	Carry out Maintenance of Airport	LGA
T57	Property Planning	Prepare Pre Incident Plan	Private



ID	Treatment strategy	Action	Agencies (Support)
T6	Property Planning	Prepare Community Protection Plan	RFS
T7	Community Education	Implement targeted community education	FRNSW, RFS
T11	Hazard Reduction	Maintain SFAZ as per Community Protection	LGA, Private
T12	Hazard Reduction	Implement vegetation maintenance	Private
T13	Hazard Reduction	Undertake village APZ Maintenance	LGA, Private
T14	Hazard Reduction	Inspect SFAZ and maintain when required	LGA (RFS)
T15	Hazard Reduction	Implement radio tower APZ maintenance	RFS
T18	Hazard Reduction	Manage fuel in Murrumbidgee SFAZ	NPWS
T19	Preparedness	Maintain fire trail network in Goomoo NP	NPWS
T20	Hazard Reduction	Maintain fuels in accordance with guidelines	RFS, DPI (RFS)
T23	Preparedness	Undertake targeted s63 inspections on interface	RFS
T25	Hazard Reduction	Implement Bald Hill Reserve FMP	Bald Hill Reserve Trust (RFS)
T26	Hazard Reduction	Treat APZ Bald Hill	LGA, Bald Hill Res. Trust
T28	Property Planning	Undertake regular Property Maintenance	Private
T42	Hazard Reduction	Treat SFAZ Mt Arthur Reserve	LGA
T50	Ignition Management	Create break at around Reserve	LGA

Map Ref	Asset name	Asset type	Subtype	Risk level	Priority	Treatment
4	Wattle Rd	Human	Residential	Extreme	1B	T6;T7;11
6	Cudgegong River Caravan Park	Human	Special Fire	Extreme	1B	T12
7	Elong Elong Village	Human	Residential	Extreme	1C	(1)
12	Elong Elong Community Hall NSP	Human	Other	Extreme	1C	T20
19	Geurie Village	Human	Residential	Very High	2A	T6;25;26
24	Mt Bodangora Communications Tower	Economic	Infrastructure	Very High	2A	T15
34	Comobella Hall	Human	Special Fire	Very High	2A	T28
48	Montefores Estate	Human	Residential	High	3A	T23;42
104	Geurie Water Treatment Plan	Economic	Infrastructure	Medium	4	T25
106	Ponto Falls Recreation Area	Economic	Tourist and	Medium	4	T50
130	Tom Cuiquin Oval NSP	Human	Other	Medium	4	T20

(1);T6;13;7;14;18;19

Orana BFMC Bush Fire Risk Management Plan 2020

Wellington North - Map Display Area
Map 5 of 6

This Bush Fire Risk Management Plan (BFRMP) has been prepared by the Orana 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 Orana BFMC, covering the local government areas of Dubbo, Narrabri and Wellington. 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 Orana 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 Orana 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 Orana 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 S52 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
Asset Protection Zone	To protect human life, property and highly valued public assets and values.	To enable the safe use of Direct Attack suppression strategies within the zone. To minimise bush fire impacts on undefended assets.	As per RFS document Standards for Asset Protection Zones.
Strategic Fire Advantage Zone	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 and/or development. To aid containment of wildfires to existing management boundaries.	To improve the likelihood and safe use of Parallel Attack suppression strategies within the zone. Indirect Attack (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.
Land Management Zone	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.
Fire Exclusion Zone	To exclude bush fires.	N/A	Variable dependant on size of fire sensitive area requiring protection.

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Orana BFMC Bush Fire Risk Management Plan 2020

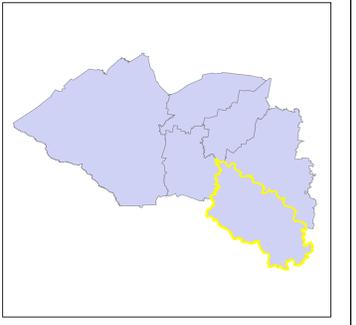
Wellington South - Map Display Area
Map 6 of 6

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

The objectives of this BFRMP are 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;
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This map forms part of the BFRMP for the Orana BFMC, covering the local government area(s) of Dubbo, Narromine and Wellington. 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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- 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.

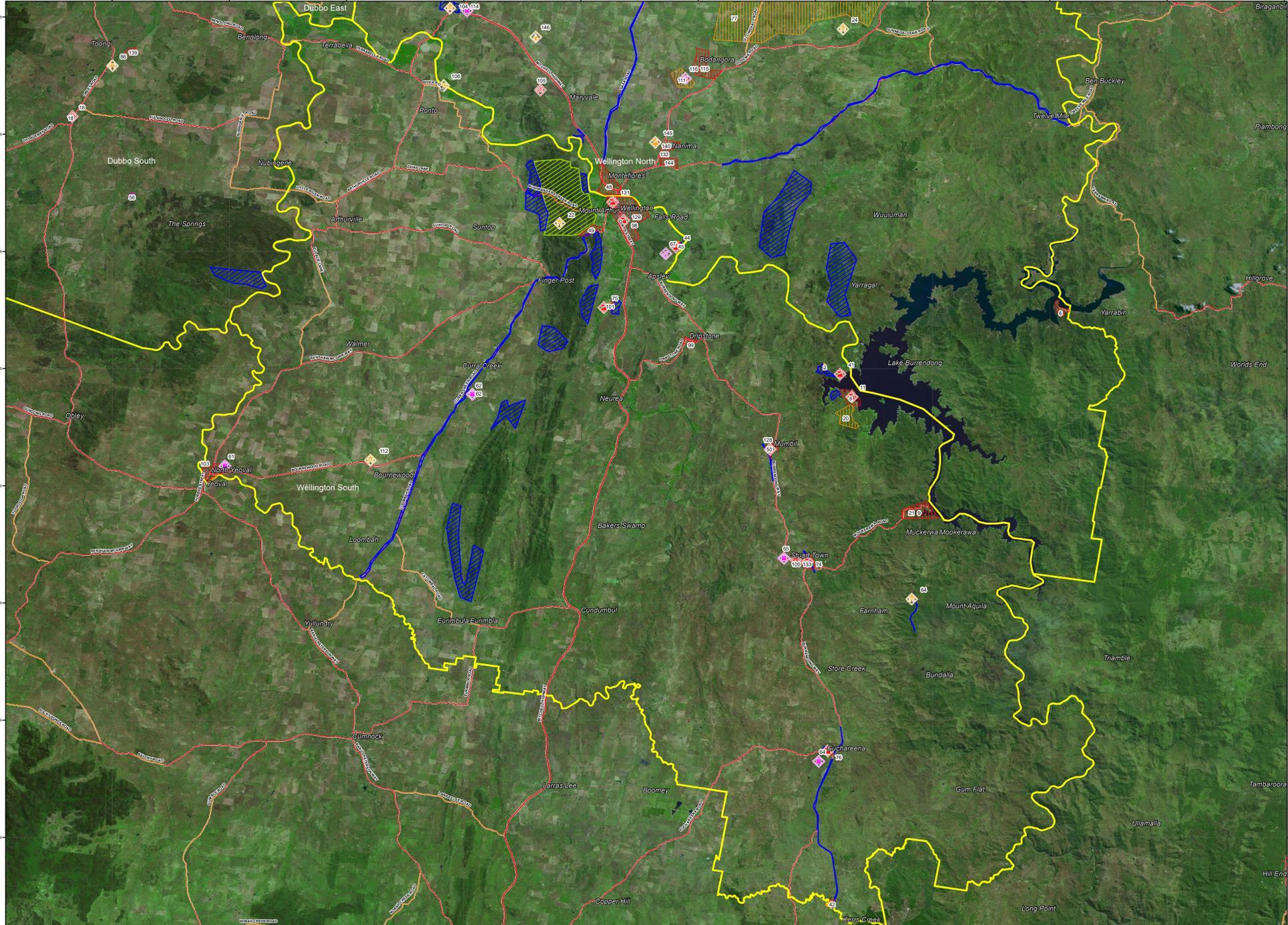
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Land Management Zone	To meet relevant land management objectives in area where APZs or SFAZs are not appropriate.	As per the land management and fire protection objectives of the responsible land management agency. To reduce the likelihood of spread 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.
Fire Exclusion Zone	To exclude bush fires.	N/A	Variable dependant on size of fire sensitive area requiring protection.

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Map Ref	Asset name	Asset type	Subtype	Risk level	Priority	Treatment
2	Ridgecrest Christian Centre	Human	Special Fire	Extreme	1B	T1
8	Lake Burrendong State Park	Human	Special Fire	Extreme	1C	T16,T21
9	Mookerawa State Park	Human	Special Fire	Extreme	1C	T17
11	Lake Burrendong State Park Kiosk NSP	Human	Other	Extreme	1C	T20
20	Burrendong Botanic Garden and	Economic	Tourist and	Very High	2A	T8,32
21	Mookerawa State Park	Economic	Tourist and	Very High	2A	T17
22	Mt Wellesley Communications Towers	Economic	Infrastructure	Very High	2A	T15
30	Euchareena Village	Human	Residential	Very High	2A	T24,8,34
41	Burrendong Dam Wall NSP	Human	Other	Very High	2A	T20
42	Kerrs Creek	Human	Residential	Very High	2C	T6
44	Nanima Village Oval NSP	Human	Other	Very High	2C	T20
45	Nanima Village	Human	Residential	Very High	2C	T38
49	Avoca Estate Wellington	Human	Residential	High	3A	T43
50	Mumbil Village	Human	Residential	High	3A	T39,23,6
74	Stuart Town School of Arts Precinct NSP	Human	Other	High	3A	T20
75	Wellington Caves NSP	Human	Other	High	3A	T20
76	Euchareena Hall NSP	Human	Other	High	3A	T20
84	Flagstaff/Store Creek Communications	Economic	Infrastructure	High	3B	T15
98	Wellington Township	Human	Residential	Medium	4	T3,23
99	Dripstone Village	Human	Residential	Medium	4	T3,23
100	Stuart Town Village	Human	Residential	Medium	4	T39,24,14
101	Wellington Caves	Economic	Tourist and	Medium	4	T52
102	Wellington Caves	Human	Residential	Medium	4	T51,58
103	North Yeoval	Human	Residential	Medium	4	T24
112	Karuga Park Communications Tower	Economic	Infrastructure	Medium	4	T15
128	Mumbil Sports Ground NSP	Human	Other	Medium	4	T20
129	Kenard Park NSP	Human	Other	Medium	4	T20
131	Market Square NSP	Human	Other	Medium	4	T20



Assets

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

Bush Fire Management Zones

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

Base Data Layers

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

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

ID	Treatment strategy	Action	Agencies (Support)
T1	Hazard Reduction	Implement Ridgecrest Fire Management Plan	Private (RFS)
T3	Hazard Reduction	Implement roadside spray/slash program	LGA (RFS)
T6	Property Planning	Prepare Community Protection Plan	RFS
T8	Hazard Reduction	Undertake regular property maintenance	Private
T14	Hazard Reduction	Inspect SFAZ and maintain when required	LGA (RFS)
T15	Hazard Reduction	Implement radio tower APZ maintenance	RFS
T16	Property Planning	Implement Burrendong BFRMP	Private
T17	Property Planning	Implement Mookerawa BFRMP	Private
T20	Hazard Reduction	Maintain fuels in accordance with guidelines	RFS, DPI (RFS)
T21	Hazard Reduction	Maintain APZ	Private, RFS
T23	Preparedness	Undertake targeted s&S inspections on interface	RFS
T24	Hazard Reduction	Village APZ maintenance	LGA
T32	Property Planning	Prepare Fire Management Strategy for Burrendong Arboretum Trust	Burrendong Arboretum Trust
T34	Hazard Reduction	Conduct Burn, Graze, Mechanical works	LGA, RFS
T38	Hazard Reduction	SFAZ maintenance	Private (LGA, RFS)
T39	Hazard Reduction	Implement rail corridor SFAZ works	John Holland (ARTC)
T43	Hazard Reduction	Implement Catombal Ranges SFAZ	Private (RFS)
T51	Preparedness	Enact Bush Fire Safety Plan	LGA (RFS)
T52	Hazard Reduction	Treat Wellington Caves SFAZ	Private
T58	Hazard Reduction	Perform maintenance along existing tracks	LGA

Appendix 5 List of Neighbourhood Safer Places

Title	Type	Location	LGA
Dubbo Racecourse	Building	Merrilea Lane, Dubbo	Dubbo
Lady Cutler Park	Open Space	Bligh Street, Dubbo	Dubbo
East Dubbo Sports Complex	Open Space	Cobra Street, Dubbo	Dubbo
Pioneer Park	Open Space	Howard Avenue, West Dubbo	Dubbo
Ballimore Fire Station	Building	Bunyip Street , Ballimore	Dubbo
Eumungerie Fire Station	Building	Balladoran Street, Eumungerie	Dubbo
Wongarbon Public School	Open Space	Railway Street , Wongarbon	Dubbo
Tomingley Hall	Building	Newell Highway, Tomingley	Narromine
Rotary Park	Open Space	Culling Street, Narromine	Narromine
Burns Oval / Pool Complex	Open Space	Cnr Burraway & Mullah Streets, Trangie	Narromine
Trangie Research Centre Oval	Open Space	Mitchell Highway, Trangie	Narromine
Mumbil Sports Ground	Open Space	5 Cudgegong Street Mumbil	Wellington
Burrendong Dam Wall	Open Space	706 The Circle Road Mumbil	Wellington
Kennard Park,	Open Space	100 Simpson Street Wellington	Wellington
Market Square	Open Space	Market Square Wellington	Wellington
Tom Culkin Oval	Open Space	21 Wellington Street, Geurie	Wellington
Stuart Town	Buildings	Stuart Town School of Arts Precinct Molong Street Stuart Town	Wellington
Lake Burrendong State Park	Building	Kiosk 486 Fashions Mount Road Mumbil	Wellington
Wellington Caves	Open Space	Wellington Golf Club 158 Caves Road Apsley	Wellington
Nanima Village Oval	Open Space	300 Nanima Village Road Wellington	Wellington
Euchareena Hall	Building	Cnr Nubrigyn & Bent Streets	Wellington
Elong Elong	Building	Boomley Street	Wellington

All sites shall be maintained by landowners in accordance with NSP guidelines.