

Lithgow Bush Fire Management Committee

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 Lithgow Bush Fire Management Committee and has been endorsed at the BFMC meeting on 13 October 2020 for submission to the Bush Fire Coordinating Committee.

Recommended



10/11/2020
...../...../.....

Chairperson
Lithgow Bush Fire Management Committee

Approved



3/12/21
...../...../.....

On behalf of the
NSW Bush Fire Coordinating Committee

Amendment List

Amendment		Entered	
Number	Date	Signature	Date

Glossary

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

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

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

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

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

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

Consequence: outcome or impact of a bush fire event.

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

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

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

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

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

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

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

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

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

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

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

Chapter 1. Introduction

1.1 Background

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

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

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

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

This BFRMP has been prepared by the Lithgow 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 Lithgow BFMC Area

1.3.1 Location and land tenure

The Lithgow BFMC area is located just west of the Blue Mountains stretching from the escarpment in the east to Sunny Corner in the west and from Bogee in the north to Hampton in the south.

The area covered by the Lithgow BFMC is 451,226 hectares and includes the land tenures outlined in Table 1.1.

Land Manager	Size (Hectares)	% of BFMC area
National Parks & Wildlife Service	190,830	41.9%
Forestry Corporation of NSW	55,574	12.2%
Crown Lands	19,797	4.4%
Local Government	1,359	0.3%
Private	181,624	39.9%
All other	5,916	1.3%

Table 1.1 Land Tenure

1.3.2 Climate and bush fire season

The typical average climate in the Lithgow BFMC area is cold to very cold winters (mean temps 1.3°-11.2°) followed by hot dry summers (11.5°-24.9°) with average rains experienced per month throughout the year, average annual rainfall is 862mm. The bush fire season generally runs from October to March yet has, on occasion been extended when the weather conditions have created a landscape more susceptible to fire occurrences and expansion.

The weather conditions associated with the bush fire season in the Lithgow BFMC area are high daytime temperatures and low relative humidity associated with strong gusty north westerly winds. Dry lightning storms occur frequently during the Bush Fire Danger Period. January is usually the month with the highest rainfall volume and maximum temperatures.

1.3.3 Population and demographic information

The population of the Lithgow BFMC area is approximately 20,090 people. The largest concentration of residents is within the Lithgow township and immediately adjoining suburbs. The major population centres outside of the Lithgow township are Portland and Wallerawang. The following villages, hamlets and rural localities consist of primarily rural properties: Capertee, Clarence, Cullen Bullen, Dargan, Glen Alice, Glen Davis, Hampton, Hartley, Rydal and Tarana.

The following data has been sourced from the Australian Bureau of Statistics using the 2016 Census Data.

Total Persons	21,090	% of Total
Indigenous Persons (comprising Aboriginal & Torres Strait Islanders)	1,208	5.7%
Male	10,689	50.7%
Female	10,401	49.3%
Age Groups		
<i>Median Age</i>	45	
0 - 14	3,591	17%
15 - 24	2,293	11%
25 - 34	2,257	11%
35 - 44	2,341	11%
45 - 54	2,861	14%
55 - 64	3,089	15%
65 & over	4,644	22%
Families	5,209	
Average Children per Family	1.8	
Family Composition		
Couple family without children	2,200	42.2%
Couple family with children	1,936	37.2%
One parent family	1,003	19.3%
Other family	70	1.3%
Country of Birth		
<i>Top 5 responses</i>		
Australia	16,782	79.7%
England	542	2.6%
New Zealand	208	1.0%
Scotland	103	0.5%
Philippines	94	0.4%
Language Spoken at Home		
<i>Top 5 responses</i>		
English Only	17,905	84.9%
Italian	60	0.3%
Arabic	45	0.2%
German	44	0.2%
Cantonese	44	0.2%

Total Persons		% of Total
Employment		
<i>Reported being in labour force, aged 15 years and over</i>		
Working Full-Time	4,627	54.8%
Working Part-Time	2,678	31.7%
Away from work	489	5.8%
Unemployed	651	7.7%
Total Available Labour Force	8,445	
Travel to Work		
By car as driver or passenger	5,774	74%
Walked only	366	4.7%
Truck	108	1.4%
Public Transport	121	1.6%
Worked at Home	356	4.6%
Dwellings		
	7,858	
Owned outright	3,286	41.8%
Owned with mortgage	2,300	29.3%
Rented	1,931	24.6%
Other tenure type / not stated	341	4.3%
Other Factors		
Average Number of Motor Vehicles per Dwelling		1.8
Average Number of People per Household		2.3
Households where a non-English language is spoken		5.1%
Highest Industry of Employment		Coal Mining (8.1%)
Internet Accessible from Dwelling		72%

Table 1.2 Demographic Profile

1.3.4 History of bush fire frequency and ignition cause

The Lithgow BFMC area has, on average, 128 bush/grass fires per year, of which an average of 3 per year may be considered to be major fires (>20ha).

October 2019 and 2013 fire activity included two significant fire events for the Lithgow BFMC area. The Gosper's Mountain Fire commenced in October 2019 in a remote area of the Wollemi National Park. This fire burnt an area of 512,626ha, of which 225,882 is within the Lithgow BFMC area. This is the largest recorded fire in the Lithgow BFMC area. The State Mine Fire in October 2013 commenced at Marrangaroo and impacted 56,590 hectares as it spread north, east and south of Lithgow township. The impact of these fires have been considered in the development of this BFRMP.

The main sources of ignition for bush/grass fires in the Lithgow BFMC area are:

- Lightning activity (mainly associated with late spring and early summer);
- Escaped fires from legal burning activities by private land owners/occupiers;
- Illegal / careless burning activities by private land owners/occupiers;
 - Most commonly in grasslands and forested areas adjacent to villages.

Chapter 2. Identifying and Assessing the Bush Fire Risk

2.1 Process

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

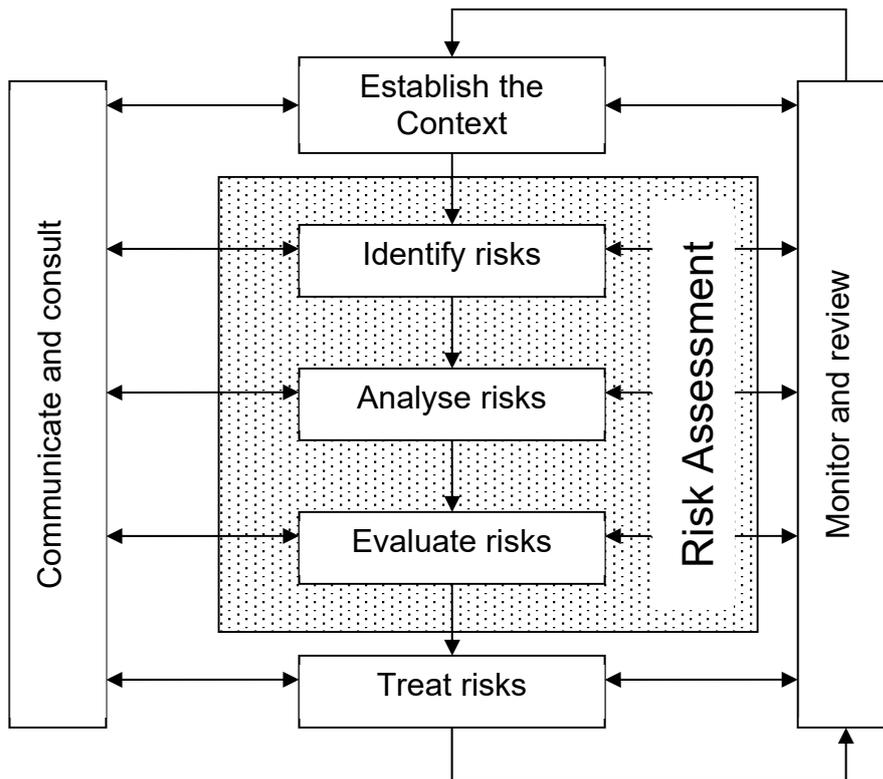


Figure 2.1 Overview of the risk assessment process

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 BFM area in regards to the BFRMP. See *Appendix 1* for the Community Participation Strategy used by the Lithgow BFM in preparing this BFRMP.

2.3 Identifying the Bush Fire Risk

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

2.3.1 Assets

BFMC members and the community, including NSW RFS volunteers, have identified assets within the Lithgow BFMC area 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.

Economic

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

Environmental

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

Cultural

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

See *Appendix 2* for the full list of assets identified in the Lithgow BFMC area.

See *Appendix 4* (Maps 1-5) for the location of assets to be treated under this BFRMP.

2.3.2 Assessing the Bush Fire Risk - Consequence

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

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

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

Human settlement

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

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

Economic

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

Environmental

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

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

Cultural

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

2.3.3 Assessing the Bush Fire Risk - Likelihood

For all asset types the likelihood of a bush fire occurring was assessed. This involves considering fire history, including ignition cause and patterns, known fire paths, access, containment potential and potential fire run (size of the vegetated area). See *Appendix 2* for the likelihood ratings assigned to each asset identified in the Lithgow 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 Lithgow 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 a certain level were assessed as not requiring treatment within the life of this plan. This is due to a combination of priority and capacity to undertake the works. Within the Lithgow BFMC area the level of acceptability is medium. Areas of medium or low risk are likely to be managed by routine procedures and so do not require a specific application of resources.

Within the Lithgow BFMC area there will be extreme and very high risk to some cultural and environmental assets. The Lithgow BFMC will not be applying specific treatments to these assets as they are contained within the fire management plans of the agencies upon which tenure they are located and/or the reserve fire management plans of National Parks & Wildlife Service (NPWS). These fire management plans include measures, where practical, to reduce the risk of impact of bush fire. These measures are considerate of the nature of the asset and only treatments consistent with maintaining the asset will be implemented.

The protection and management of these assets will be taken into account during the planning of hazard reduction treatments for the area. These assets are listed within in the Asset Register (*Appendix 2*) and are not spatially referenced on the maps (*Appendix 5*) due to the sensitive locations and to aid in the protection of the assets. The BFMC wide treatments, in addition to scheduled treatments such as prescribed burns and fire trail maintenance, are also likely to contribute toward the reduction of risk to these assets.

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

Chapter 3. Treating the Risk

3.1 Bush Fire Management Zones

Bush Fire Management Zones were identified within the Lithgow BFMC area and mapped (see *Appendix 4* (maps 1-5)). These zones identify the fire management intent for a specific area. See Table 3.1 for descriptions of the zones and their purposes. The four categories of Bush Fire Management Zones are:

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

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

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 to 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.

Important Note: All areas within the Lithgow BFMC area that are not mapped or described as APZs or SFAZs are considered as LMZs.

*For the purpose of the Bush Fire Environmental Assessment Code:

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

3.2 BFMC Wide Treatments

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

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

These maps identify bush fire prone land and are used to trigger whether a development application is assessed using *Planning for Bush Fire Protection*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 fire fighting 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 or *Rural Fires Regulation 2013*.

¹ NSW Rural Fire Service 2019 *Planning for Bush Fire Protection: A guide for councils, planners, fire authorities and developers*.

- **Investigation of bush fire cause**

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

- **Normal fire suppression activities**

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

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

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

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

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

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

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

The following National Parks are located (either wholly or partially) within the Lithgow Local Government Area and all are covered by individual fire management plans:

- Blue Mountains National Park
- Capertee National Park
- Evans Crown Nature Reserve
- Gardens of Stone National Park
- Hartley Historic Site
- Kanangra-Boyd National Park
- Marrangaroo National Park
- Muggii-Murum-ban State Conservation Area
- Turon National Park
- Wambool Nature Reserve
- Winburndale Nature Reserve
- Wollemi National Park

A Bushfire Management Plan (BMP) has been developed for Marrangaroo Training Area (MARRTA). MARRTA is located in Marrangaroo, approximately 5 km north of Lithgow. The property is accessed by Reserve Road, off the Great Western Highway, and consists of approximately 1,520 hectares of Defence owned land and 177 hectares of Newnes State Forest, leased under occupation permit from Forestry Corporation of NSW.

The BMP details fire management and mitigation requirements for the site. The BMP is prepared in accordance with Chapter Six (Bushfire Management and Mitigation on the

Defence Estate) of the Manual of Fire Protection and Engineering (MFPE) (Department of Defence 2011) and Bush Fire Management and Mitigation on the Defence Estate – National Guidelines (Guidelines) (Department of Defence 2013).

- **Bush Fire Hazard Complaints**

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

3.3 Asset Specific Treatments

There are 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 Lithgow BFMC area are listed below. A full list of the treatment strategies in the Lithgow BFMC area are in *Appendix 4*.

Strategy	Targeted treatments used in the Lithgow BFMC area
Ignition Management	<ul style="list-style-type: none"> • Activate 'no burn' plans in specific locations • Undertake fire tower and patrol activities • Implement Arson & Illegal/Careless fires Prevention Plan • Restrict military exercises during Total Fire Ban
Hazard Reduction	<ul style="list-style-type: none"> • Create, inspect and maintain Asset Protection Zones • Inspect and maintain SFAZ as required • Undertake burning in Strategic Fire Advantage Zones • Undertake mosaic burning in Land Management Zones • Undertake burning in line with Fire Management Plans or Plans of Management • Undertake hazard reduction (burning &/or mechanical) • Maintain fuels in accordance with NSP guidelines
Community Education	<ul style="list-style-type: none"> • Undertake community engagement activity • Provision of bush fire information to tourist information centres and other locations • Installation of bush fire safety signage at camping areas
Property Planning	<ul style="list-style-type: none"> • Develop / implement / maintain site specific preparedness plans • Implement Community Protection Plan
Preparedness	<ul style="list-style-type: none"> • Inspect and maintain fire trails • Inspect and maintain water points and fire breaks • Liaise with NSW Rural Fire Service

Table 3.2 Asset specific treatments used in the Lithgow BFMC area

3.4 Fire Thresholds

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

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

Table 3.3 Fire Thresholds for Vegetation Categories

3.5 Annual Works Programs

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

3.6 Implementation

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

Chapter 4. Performance Monitoring and Reviewing

4.1 Review

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

Detailed Community Participation Strategy

Appendix 2: Asset Register

Detailed list from bush fire risk register of all assets assessed.

5 x Pages

Appendix 3: Treatment Register

Detailed list from bush fire risk register of all treatments assigned to assets.

6 x Pages

Appendix 4: Maps

BFRMP Asset Location and Bush Fire Management Zone maps x 5

Appendix 5: Neighbourhood Safer Places

A list of the approved Neighbourhood Safer Places within the BFMC area.

Appendix 1: Community Participation Strategy

Lithgow BFMC Area Bush Fire Risk Management Plan

Community Participation Strategy

Background

The Bush Fire Management Committee (BFMC) has the responsibility to prepare a Bush Fire Risk Management Plan (BFRMP) for their area and for this plan to be reviewed every 5 years in accordance with the *Rural Fires Act 1997*.

Aims of Community Participation Strategy

The community participation strategy is an essential part of the BFRMP process and should be prepared early on in the process. Communication and consultation with the community is an essential tool in ensuring the success of the BFRMP. The process of the Community Participation Strategy is to address the needs, issues and concerns of stakeholders within the BFMC area in regards to bush fire.

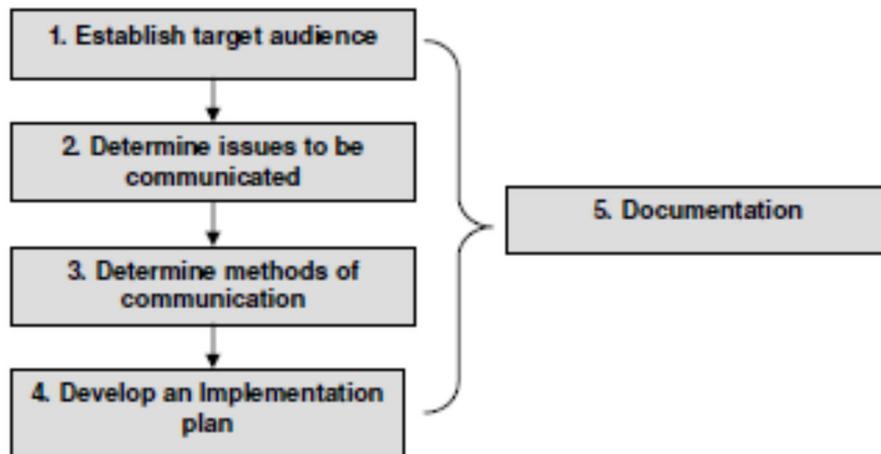
The purpose of a community participation strategy is to:

- Ensure that specific and targeted communication occurs between the BFMC and the community and other stakeholders throughout the development of a BFRMP;
- Ensure prominent stakeholders do not make judgements on the acceptability of a risk based on their own perception;
- Provide greater opportunity for local brigades, land holders and other stakeholders to have input into the bush fire risk management process;
- Ensure that the community's concerns and perceptions of bush fire risk are identified, understood, documented and addressed;
- Improve community confidence in bush fire risk management across the landscape and provide the community with a sense of ownership of the BFRMP; and
- Educate the community regarding bush fire risk management in the area and their responsibilities, so that they can contribute towards risk reduction.

Steps of Developing a Community Participation Strategy

The BFMC acknowledges that any strategy for community participation on the BFRMP will require communications to be dependent upon the targeted audience and have consideration of the community's availability and resources.

Following are the steps that have been used as the basis of the community participation strategy.



Targeted Audiences

BFMC Agencies: It will be the responsibility for the agency representatives on the BFMC to take the information back to their agency and communicate the plan to their agency.

Residential communities: Includes those that live or have assets within the area, particularly those that may be affected by bush fires.

Community Groups: A range of community groups will be invited to review to the BFRMP and to provide feedback.

NSW RFS Brigades and Group Officers: As brigades and Group Officers play an integral role within the community and bush fire management, the volunteers have an opportunity to provide feedback and to inform others within their communities.

Chifley/Lithgow Team Community Engagement Committee: This is group of volunteers representing local brigades and those members that are actively involved in community engagement within the Lithgow BFMC area.

Information to be communicated

The key information items to be communicated are:

- What is a Bush Fire Risk Management Plan
- Process of developing a Bush Fire Risk Management Plan
- How it may affect the community
- Identification of risk in the area;
- Understanding treatment strategies
- Public exhibition

Methods of communications

It is identified that there needs to be various forms of consultation in order to address the different target audiences as well as the type of information that may be appropriate for a particular audience.

The methods and targeted audiences that will be deployed to engage the public on the Bush Fire Risk Management Plan, are as follows:

- Local Newspaper:
 - Advertisements and special articles placed in local newspapers distributed to areas affected by the Bush Fire Risk Management Plan;
 - Include specific reference to locations where the BFRMP is on display
- Brigade and Group Officer Information:
 - A copy of the Bush Fire Risk Management Plan to be provided to all Rural Fire Brigades and Group Officers within the BFMC area
 - NSW RFS members are encouraged to review and provide feedback in line with the timing of the public display period
- Chifley/Lithgow Team Community Engagement Committee
 - BFRMP to be presented at a convened meeting to the members of the Committee for review
- Public Displays: Information to be provided on display at the following strategic locations;
 - Lithgow City Council Office
 - Lithgow Public Library
 - Wallerawang Public Library
 - Lithgow Fire Control Centre

Documentation

Refer to Community Participation Communications Plan.

Community Participation Feedback

Submissions / feedback in writing will be invited from the community to provide information for the Bush Fire Management Committee on any particular issues in relation to the Draft Bush Fire Risk Management for further consideration by that committee.

Feedback on the Draft Plan will be encouraged; however will be considered on relevance and in the broader terms of the Plan.

Community Participation Communications Plan

Date	Targeted Audience	Method of Communication	Method of Notification	Key Message / Purpose	Resources	Responsibility
4 Feb 2020	BFMC	Meeting	Email	Stakeholder Contribution	Current BFRMP	BFMC Members
9 June 2020	BFMC	Meeting	Email	Draft BFRMP, Asset & Treatment Listing Review	Draft BFRMP	NSW RFS
11 August 2020	BFMC	Meeting	Email	Review for Approval of Draft to go on display & submitted to Area Command for review	Draft BFRMP, Maps & Presentation	NSW RFS
18 August 2020	Lithgow District Senior Management Team	Printed Copy	Email & Hard Copy	Stakeholder Contribution	Draft BFRMP, Maps & Presentation	NSW RFS
18 August 2020	Lithgow District Rural Fire Brigades	Printed Copy	Email & Hard Copy	Stakeholder Contribution	Draft BFRMP, Maps & Presentation	NSW RFS
18 Aug – 29 Sept 2020	General Public	Display	Print advertising	Feedback to BFMC to prepare final BFRMP	Draft BRMP & Maps	BFMC Members
15 Sept 2020	Chifley/ Lithgow Team Community Engagement Committee	Meeting	Email	Stakeholder Contribution	Draft BFRMP, Maps & Presentation	NSW RFS
13 Oct 2020	BFMC	Meeting	Email & Hard Copy	Complete review of submissions received and action accordingly	Annex I, Appendix 6	BFMC

Appendix Table 1.1 Community Participation Plan

Appendix 2: Asset Register

Priority	Asset Name	Asset Location	Map Ref No.	Asset Type	Asset Sub Type	LGA	Display Area	Likelihood	Consequence	Risk	Notes	Treatment number
1B	Aboriginal Sites of High Vulnerability	Various	0	Cultural	Aboriginal Significance	Lithgow	undefined	Likely	Catastrophic	Extreme		1;2
1C	Bowenfels	Bowenfels	3	Human Settlement	Residential	Lithgow	Central	Almost certain	Major	Extreme		13;14;17
	Hartley - Rural Properties	Hartley	4	Human Settlement	Residential	Lithgow	South	Almost certain	Major	Extreme		15;4;3
	Little Hartley - Rural Properties	Little Hartley	5	Human Settlement	Residential	Lithgow	East	Almost certain	Major	Extreme		15;4;3
	Electricity Infrastructure (Transmission Lines & Towers)	Various	0	Economic	Infrastructure	Lithgow	undefined	Almost certain	Major	Extreme		16
	Newnes State Forest	Newnes	1	Economic	Commercial Forest	Lithgow	Central	Almost certain	Major	Extreme		5;6;7;8;9;10
	Sunny Corner State Forest	Dark Corner	2	Economic	Commercial Forest	Lithgow	West	Almost certain	Major	Extreme		5;6;7;8;9;10
	Endangered Ecological Community 3		0	Environment	Endangered	Lithgow	undefined	Almost certain	Major	Extreme		11;12
	Gentianaceae		0	Environment	Endangered	Lithgow	undefined	Almost certain	Major	Extreme		11;12
	Gyrostemonaceae		0	Environment	Endangered	Lithgow	undefined	Almost certain	Major	Extreme		11;12
	Orchidaceae 1		0	Environment	Endangered	Lithgow	undefined	Almost certain	Major	Extreme		11;12
	Rhamnaceae 2		0	Environment	Endangered	Lithgow	undefined	Almost certain	Major	Extreme		11;12
2A	Aboriginal Sites of Moderate Vulnerability	Various	0	Cultural	Aboriginal Significance	Lithgow	undefined	Likely	Major	Very High		30;31
	Kanimbla - Rural Properties	Kanimbla	19	Human Settlement	Residential	Lithgow	East	Likely	Major	Very High		13;18;15;3
	Water Pipeline - Oberon to Glen Davis	Oberon to Glen Davis	0	Economic	Drinking Water Catchment	Lithgow	undefined	Likely	Major	Very High		23
	Hassans Walls Communication Towers	Lithgow	11	Economic	Infrastructure	Lithgow	Central	Likely	Major	Very High		20;14
	Mount Airly Communication Tower	Capertee	12	Economic	Infrastructure	Lithgow	North	Likely	Major	Very High		20
	Mount Lambie Communication Tower	Mount Lambie	13	Economic	Infrastructure	Lithgow	South	Likely	Major	Very High		21
	Thompsons Creek Dam	Wallerawang	25	Economic	Infrastructure	Lithgow	undefined	Likely	Major	Very High		24
	Angus Place Colliery	Lidsdale	16	Economic	Mines	Lithgow	Central	Likely	Major	Very High		22
	Austen Quarry	Hartley	23	Economic	Mines	Lithgow	South	Likely	Major	Very High		22
	Baal Bone Colliery	Cullen Bullen	14	Economic	Mines	Lithgow	North	Likely	Major	Very High		22
	Ben Bullen State Forest	Ben Bullen	9	Economic	Commercial Forest	Lithgow	Central	Likely	Major	Very High		25;26;27;28;29
	Clarence Colliery	Clarence	17	Economic	Mines	Lithgow	Central;East	Likely	Major	Very High		22
	Cullen Valley Colliery	Cullen Bullen	15	Economic	Mines	Lithgow	North	Likely	Major	Very High		22
	Falnash State Forest	Thompsons Creek Rd, Wallerawang	27	Economic	Commercial Forest	Lithgow	Central	Likely	Major	Very High		25;26;27;28;29
	Hampton State Forest	Hampton	6	Economic	Commercial Forest	Lithgow	South	Likely	Major	Very High		5;6;7;8;9;10;19
	Hanson Quarries	Clarence	24	Economic	Mines	Lithgow	Central;East	Likely	Major	Very High		22
	Invincible Colliery	Cullen Bullen	21	Economic	Mines	Lithgow	North	Likely	Major	Very High		22
	Ivanhoe Colliery	Blackmans Flat	18	Economic	Mines	Lithgow	North	Likely	Major	Very High		22
	Jenolan State Forest	Jenolan	7	Economic	Commercial Forest	Lithgow	South	Likely	Major	Very High		5;6;7;8;9;10
	Lidsdale State Forest	Wallerawang	8	Economic	Commercial Forest	Lithgow	South	Likely	Major	Very High		5;6;7;8;9;10
	Metro Mix Quarry	Marrangaroo	26	Economic	Mines	Lithgow	Central	Likely	Major	Very High		22
Sibelco Quarry	Round Swamp	22	Economic	Mines	Lithgow	North	Likely	Major	Very High		22	
Springvale Colliery	Lidsdale	20	Economic	Mines	Lithgow	Central	Likely	Major	Very High		22	
Wolgan State Forest	Wolgan	10	Economic	Commercial Forest	Lithgow	Central	Likely	Major	Very High		25;26;27;28;29	

Priority	Asset Name	Asset Location	Map Ref No.	Asset Type	Asset Sub Type	LGA	Display Area	Likelihood	Consequence	Risk	Notes	Treatment number
2A	Apiaceae		0	Environment	Endangered	Lithgow	undefined	Likely	Major	Very High		32;33
	Apocynaceae		0	Environment	Endangered	Lithgow	undefined	Likely	Major	Very High		32;33
	Ardeidae		0	Environment	Endangered	Lithgow	undefined	Likely	Major	Very High		32;33
	Burhinidae		0	Environment	Endangered	Lithgow	undefined	Likely	Major	Very High		32;33
	Calomniaceae		0	Environment	Endangered	Lithgow	undefined	Likely	Major	Very High		32;33
	Cyperaceae		0	Environment	Endangered	Lithgow	undefined	Likely	Major	Very High		32;33
	Dryopteridaceae		0	Environment	Endangered	Lithgow	undefined	Likely	Major	Very High		32;33
	Endangered Ecological Community 1		0	Environment	Endangered	Lithgow	undefined	Likely	Major	Very High		32;33
	Endangered Ecological Community 2		0	Environment	Endangered	Lithgow	undefined	Likely	Major	Very High		32;33
	Endangered Ecological Community 4		0	Environment	Endangered	Lithgow	undefined	Likely	Major	Very High		32;33
	Fabaceae (Faboideae) 1		0	Environment	Endangered	Lithgow	undefined	Likely	Major	Very High		32;33
	Fabaceae (Faboideae) 2		0	Environment	Endangered	Lithgow	undefined	Likely	Major	Very High		32;33
	Fabaceae (Faboideae) 3		0	Environment	Endangered	Lithgow	undefined	Likely	Major	Very High		32;33
	Fabaceae (Faboideae) 4		0	Environment	Endangered	Lithgow	undefined	Likely	Major	Very High		32;33
	Grammitidaceae		0	Environment	Endangered	Lithgow	undefined	Likely	Major	Very High		32;33
	Hylidae 1		0	Environment	Endangered	Lithgow	undefined	Likely	Major	Very High		32;33
	Hylidae 2		0	Environment	Endangered	Lithgow	undefined	Likely	Major	Very High		32;33
	Hylidae 3		0	Environment	Endangered	Lithgow	undefined	Likely	Major	Very High		32;33
	Lycaenidae		0	Environment	Endangered	Lithgow	undefined	Likely	Major	Very High		32;33
	Megapodiidae		0	Environment	Endangered	Lithgow	undefined	Likely	Major	Very High		32;33
	Meliphagidae	Various	0	Environment	Endangered	Lithgow	undefined	Likely	Major	Very High		32;33
	Myobatrachidae 1		0	Environment	Endangered	Lithgow	undefined	Likely	Major	Very High		32;33
	Myobatrachidae 2		0	Environment	Endangered	Lithgow	undefined	Likely	Major	Very High		32;33
	Myrtaceae 1		0	Environment	Endangered	Lithgow	undefined	Likely	Major	Very High		32;33
	Myrtaceae 2		0	Environment	Endangered	Lithgow	undefined	Likely	Major	Very High		32;33
	Myrtaceae 3		0	Environment	Endangered	Lithgow	undefined	Likely	Major	Very High		32;33
	Orchidaceae 2		0	Environment	Endangered	Lithgow	undefined	Likely	Major	Very High		32;33
	Orchidaceae 3		0	Environment	Endangered	Lithgow	undefined	Likely	Major	Very High		32;33
	Petaluridae		0	Environment	Endangered	Lithgow	undefined	Likely	Major	Very High		32;33
	Podocarpaceae		0	Environment	Endangered	Lithgow	undefined	Likely	Major	Very High		32;33
	Proteaceae		0	Environment	Endangered	Lithgow	undefined	Likely	Major	Very High		32;33
	Rhamnaceae 1		0	Environment	Endangered	Lithgow	undefined	Likely	Major	Very High		32;33
Rutaceae 2		0	Environment	Endangered	Lithgow	undefined	Likely	Major	Very High		32;33	
Scincidae		0	Environment	Endangered	Lithgow	undefined	Likely	Major	Very High		32;33	
Scrophulariaceae 1		0	Environment	Endangered	Lithgow	undefined	Likely	Major	Very High		32;33	
Scrophulariaceae 2		0	Environment	Endangered	Lithgow	undefined	Likely	Major	Very High		32;33	

Priority	Asset Name	Asset Location	Map Ref No.	Asset Type	Asset Sub Type	LGA	Display Area	Likelihood	Consequence	Risk	Notes	Treatment number
2B	Mount Piper Power Station	Portland	28	Economic	Infrastructure	Lithgow	Central	Possible	Catastrophic	Very High		34;35
2C	Collits Inn	Hartley Vale	30	Cultural	Non Indigenous	Lithgow	East	Almost certain	Moderate	Very High		36
	Ben Bullen - Rural Properties	Ben Bullen	33	Human Settlement	Residential	Lithgow	North	Almost certain	Moderate	Very High		41;37;38;40;17
	Clarence	Clarence	29	Human Settlement	Residential	Lithgow	East	Almost certain	Moderate	Very High		13;15;17;41
	Glen Alice - Rural Properties	Glen Alice	32	Human Settlement	Residential	Lithgow	North	Almost certain	Moderate	Very High		37;38;40;3
	Lidsdale - Rural Properties	Lidsdale	35	Human Settlement	Residential	Lithgow	Central	Almost certain	Moderate	Very High		3;13;15
	Lidsdale - Village	Lidsdale	34	Human Settlement	Residential	Lithgow	Central	Almost certain	Moderate	Very High		13;41;15;17
	Portland - Rural Properties	Portland	38	Human Settlement	Residential	Lithgow	North	Almost certain	Moderate	Very High		13;15;17
	Portland - Village	Portland	31	Human Settlement	Residential	Lithgow	North	Almost certain	Moderate	Very High		18;37;39;40;41
	South Bowenfels - Rural Properties	South Bowenfels	36	Human Settlement	Residential	Lithgow	Central	Almost certain	Moderate	Very High		41;37;38;40;17
	Springvale - Rural Properties	Springvale	37	Human Settlement	Residential	Lithgow	Central	Almost certain	Moderate	Very High		3;13;15
	Telecommunications Infrastructure	Various	0	Economic	Infrastructure	Lithgow	undefined	Almost certain	Moderate	Very High	Includes mobile, satellite and fixed line - towers, support infrastructure and exchanges.	42
3A	Aboriginal Sites of Low Vulnerability	Various	0	Cultural	Aboriginal Significance	Lithgow	undefined	Likely	Moderate	High		56;57
	Diamond Mine Huts Airly Mesa	Mugii Murum-ban State Conservation Area	63	Cultural	Non Indigenous	Lithgow	North	Likely	Moderate	High		58;59
	Airly Village Tramway	Tramway Trail, Mugii Murum-ban State Conservation Area	64	Cultural	Non Indigenous	Lithgow	North	Likely	Moderate	High		59;58
	Newnes Historic Village	Newnes	46	Cultural	Non Indigenous	Lithgow	Central	Likely	Moderate	High		46
	Old Airly Village	Capertee	45	Cultural	Non Indigenous	Lithgow	North	Likely	Moderate	High		46;58
	Hartley Historic Village	Hartley	44	Cultural	Non Indigenous	Lithgow	East	Likely	Moderate	High		46;54
	Bogee/Mount Marsden/Dunville Loop - Rural Properties	Bogee	56	Human Settlement	Residential	Lithgow	North	Likely	Moderate	High		37;40
	Capertee - Rural Properties	Capertee	42	Human Settlement	Residential	Lithgow	North	Likely	Moderate	High		37;38;40
	City of Lithgow	Lithgow	49	Human Settlement	Residential	Lithgow	Central	Likely	Moderate	High		37;39;40;52
	Cullen Bullen - Rural Properties	Cullen Bullen	61	Human Settlement	Residential	Lithgow	North	Likely	Moderate	High		38;40;37
	Cullen Bullen - Village	Cullen Bullen	43	Human Settlement	Residential	Lithgow	North	Likely	Moderate	High		37;38;40;60;41
	Dark Corner - Rural Properties	Dark Corner	58	Human Settlement	Residential	Lithgow	West	Likely	Moderate	High		37;38;40
	Glen Davis - Rural Properties	Glen Davis	59	Human Settlement	Residential	Lithgow	North	Likely	Moderate	High		37;38;40
	Hartley Vale & Lawsons Long Alley - Rural Properties	Hartley Vale	39	Human Settlement	Residential	Lithgow	East	Likely	Moderate	High		44;45;43
	Marrangaroo	Marrangaroo	41	Human Settlement	Residential	Lithgow	Central	Likely	Moderate	High		37;38;40
	Palmers Oakey - Rural Properties	Palmers Oakey	50	Human Settlement	Residential	Lithgow	West	Likely	Moderate	High		37;38;40
	Sodwalls - Rural Properties	Sodwalls	60	Human Settlement	Residential	Lithgow	South	Likely	Moderate	High		37;40
	Wallerawang - Rural Properties	Wallerawang	62	Human Settlement	Residential	Lithgow	Central	Likely	Moderate	High		37;40
	Wolgan Valley - Rural Properties	Wolgan Valley	40	Human Settlement	Residential	Lithgow	Central	Likely	Moderate	High		37;38;40
	Farmers Creek Dam	State Mine Gully	55	Economic	Drinking Water Catchment	Lithgow	Central	Likely	Moderate	High		48
	Lithgow Sewerage Treatment Plant	Bowenfels	53	Economic	Infrastructure	Lithgow	Central	Likely	Moderate	High		48;39
Lithgow Water Treatment Works	Oaky Park	47	Economic	Infrastructure	Lithgow	Central	Likely	Moderate	High		48;39	
Marrangaroo Training Area	Reserve Road, Marrangaroo	48	Economic	Infrastructure	Lithgow	Central	Likely	Moderate	High		49;50;51;55;39	
Newnes Ruins	Newnes	51	Economic	Tourist and Recreational	Lithgow	Central	Likely	Moderate	High		46	
Portland Sewerage Treatment Plant	Portland	54	Economic	Infrastructure	Lithgow	North	Likely	Moderate	High		48	

Priority	Asset Name	Asset Location	Map Ref No.	Asset Type	Asset Sub Type	LGA	Display Area	Likelihood	Consequence	Risk	Notes	Treatment number
3A	Wallerawang Sewerage Treatment Plant	Wallerawang	57	Economic	Infrastructure	Lithgow	Central	Likely	Moderate	High		48;39
	Zig Zag Railway Station	Clarence	52	Economic	Tourist and Recreational	Lithgow	East	Likely	Moderate	High		53;47;39
3B	NSP - Glen Alice Public School	Jamison St, Glen Alice	65	Human Settlement	Other	Lithgow	North	Possible	Major	High		63
	Rutaceae 1		0	Environment	Endangered	Lithgow	undefined	Possible	Major	High		61;62
3C	Recreational Camping Areas	Various	0	Human Settlement	Other	Lithgow	undefined	Unlikely	Catastrophic	High		64;65;66
3D	South Bowenfels - Village	South Bowenfels	66	Human Settlement	Residential	Lithgow	Central	Almost certain	Minor	High		67;68;41
4	Glen Davis Shale Oil Works & Refinery	Glen Davis	77	Cultural	Non Indigenous	Lithgow	North	Likely	Minor	Medium		
	Newnes Ruins Oil Shale Site	Ruins Walking Track, Newnes	87	Cultural	Non Indigenous	Lithgow	Central	Likely	Minor	Medium		
	Rosedale	Great Western Hwy, Little Hartley	94	Cultural	Non Indigenous	Lithgow	East	Possible	Moderate	Medium		
	State Mine Heritage Park & Railway	State Mine Gully Rd, State Mine Gully	95	Cultural	Non Indigenous	Lithgow	Central	Likely	Minor	Medium		
	Blackmans Flat - Rural Properties	Blackmans Flat	85	Human Settlement	Residential	Lithgow	Central	Possible	Moderate	Medium		
	Capertee - Village	Capertee	70	Human Settlement	Residential	Lithgow	North	Unlikely	Major	Medium		
	Dargan	Dargan	67	Human Settlement	Residential	Lithgow	East	Possible	Moderate	Medium		
	Glen Alice Public School	Glen Alice	80	Human Settlement	Special Fire Protection	Lithgow	North	Possible	Moderate	Medium		
	Glen Davis - Village	Glen Davis	76	Human Settlement	Residential	Lithgow	North	Unlikely	Major	Medium		
	Hampton Public School	Hampton	72	Human Settlement	Special Fire Protection	Lithgow	South	Unlikely	Major	Medium		
	Lithgow High School	Pau St, Lithgow	86	Human Settlement	Special Fire Protection	Lithgow	Central	Possible	Moderate	Medium		
	Lithgow Hospital	Col Drewe Dr, Bowenfels	89	Human Settlement	Special Fire Protection	Lithgow	Central	Possible	Moderate	Medium		
	Lithgow TAFE College	Pau St, Lithgow	88	Human Settlement	Special Fire Protection	Lithgow	Central	Possible	Moderate	Medium		
	Lowther & Hampton - Rural Properties	Lowther & Hampton	71	Human Settlement	Residential	Lithgow	South	Unlikely	Major	Medium		
	Meadow Flat Village	Meadow Flat	84	Human Settlement	Residential	Lithgow	West	Unlikely	Major	Medium		
	Mount Lambie - Rural Properties	Mount Lambie	73	Human Settlement	Residential	Lithgow	South	Unlikely	Major	Medium		
	NSP - Capertee Public School	Castlereagh Hwy, Capertee	78	Human Settlement	Other	Lithgow	North	Unlikely	Major	Medium		63
	Rydal - Rural Properties	Rydal	79	Human Settlement	Residential	Lithgow	Central	Unlikely	Major	Medium		
	Tarana - Village	Tarana	75	Human Settlement	Residential	Lithgow	South	Possible	Moderate	Medium		
	Three Tree Lodge Aged Care Facility	Col Drew Dr, Bowenfels	90	Human Settlement	Special Fire Protection	Lithgow	Central	Possible	Moderate	Medium		
	Treeview Estate Retirement Village	Col Drewe Dr, Bowenfels	92	Human Settlement	Residential	Lithgow	Central	Possible	Moderate	Medium		
	University of Notre Dame	Col Drew Dr, Bowenfels	91	Human Settlement	Special Fire Protection	Lithgow	Central	Possible	Moderate	Medium	Also known as: Lithgow Clinical School	
	Clarence Sawmill	Clarence Road Fire Trail, Clarence	68	Economic	Commercial	Lithgow	East	Possible	Moderate	Medium		
	Glen Davis Camping Area & Community Centre	Glen Davis	83	Economic	Tourist and Recreational	Lithgow	North	Likely	Minor	Medium		
	Glow Worm Tunnel Day Use Area	Newnes Plateau	82	Economic	Tourist and Recreational	Lithgow	Central	Likely	Minor	Medium		
	Hartley Hall	Mid-Hartley Rd, Hartley	96	Economic	Tourist and Recreational	Lithgow	East	Likely	Minor	Medium		
	Lyell Dam	Magpie Hollow Rd, South Bowenfels	93	Economic	Infrastructure	Lithgow	South	Unlikely	Major	Medium		
	Mount Bindo Communication Tower	Mount Bindo	74	Economic	Infrastructure	Lithgow	South	Likely	Minor	Medium		
Venice Caravan Park	Hartley	81	Economic	Tourist and Recreational	Lithgow	East	Likely	Minor	Medium			
Wallerawang Power Station	Wallerawang	69	Economic	Infrastructure	Lithgow	Central	Unlikely	Major	Medium			

Priority	Asset Name	Asset Location	Map Ref No.	Asset Type	Asset Sub Type	LGA	Display Area	Likelihood	Consequence	Risk	Notes	Treatment number
NA	Historic Wells - Little Hartley	Mount York Rd, Little Hartley	117	Cultural	Non Indigenous	Lithgow	East	Unlikely	Moderate	Low		
	Capertee Public School	Castlereagh Hwy, Capertee	114	Human Settlement	Special Fire Protection	Lithgow	North	Unlikely	Moderate	Low		
	Cullen Bullen Public School	Carsons Siding Rd, Cullen Bullen	115	Human Settlement	Special Fire Protection	Lithgow	North	Unlikely	Moderate	Low		
	Ganbenang - Rural Properties	Ganbenang	101	Human Settlement	Residential	Lithgow	South	Unlikely	Moderate	Low		
	Good Forest - Rural Properties	Good Forest	110	Human Settlement	Residential	Lithgow	South	Unlikely	Minor	Low		
	Hampton - Village	Hampton	98	Human Settlement	Residential	Lithgow	South	Unlikely	Moderate	Low		
	Lithgow Correctional Facility	Marrangaroo	102	Human Settlement	Special Fire Protection	Lithgow	Central	Unlikely	Moderate	Low		
	Meadow Flat Public School	2630 Great Western Hwy, Meadow Flat	116	Human Settlement	Special Fire Protection	Lithgow	West	Unlikely	Moderate	Low		
	NSP - Kremer Park, Portland	Lime St, Portland	105	Human Settlement	Other	Lithgow	North	Unlikely	Moderate	Low		69
	NSP - Lithgow	Tony Luchetti Showground, Barton St, Lithgow	108	Human Settlement	Other	Lithgow	Central	Unlikely	Moderate	Low		69
	NSP - Marrangaroo Rural Fire Brigade Station	501 Great Western Hwy, Marrangaroo	103	Human Settlement	Other	Lithgow	Central	Unlikely	Moderate	Low		69
	NSP - Rydal Railway Station	Bathurst St, Rydal	106	Human Settlement	Other	Lithgow	South	Unlikely	Moderate	Low		69
	NSP - Tarana Rural Fire Brigade Station	Tarana Rd, Tarana	104	Human Settlement	Other	Lithgow	South	Unlikely	Moderate	Low		69
	NSP - Wallerawang Public School	Barton Ave, Wallerawang	107	Human Settlement	Other	Lithgow	Central	Unlikely	Moderate	Low		70
	Rydal - Village	Rydal	97	Human Settlement	Residential	Lithgow	South	Unlikely	Moderate	Low		
	Tarana - Rural Properties	Tarana	111	Human Settlement	Residential	Lithgow	South	Possible	Minor	Low		
	Wallerawang - Village	Wallerawang	109	Human Settlement	Residential	Lithgow	Central	Unlikely	Moderate	Low		
	Wallerawang Public School	Barton Ave, Wallerawang	112	Human Settlement	Special Fire Protection	Lithgow	Central	Unlikely	Moderate	Low	Also listed as an NSP (Building)	
	Zig Zag Public School	Victoria Ave, Oaky Park	113	Human Settlement	Special Fire Protection	Lithgow	Central	Unlikely	Moderate	Low		
	Emirates One & Only Resort	Wolgan Valley	100	Economic	Tourist and Recreational	Lithgow	Central	Unlikely	Moderate	Low		
Glen Alice Community Hall	Rylstone St, Glen Alice	120	Economic	Tourist and Recreational	Lithgow	North	Possible	Minor	Low			
Hartley Valley Holiday Farm	Great Western Hwy, Little Hartley	118	Economic	Tourist and Recreational	Lithgow	East	Possible	Minor	Low			
Howards Pyrotechnics	Wallerawang	99	Economic	Commercial	Lithgow	Central	Unlikely	Moderate	Low			
Kanimbla Community Hall	Cullenbenbong Rd, Ganbenang	119	Economic	Tourist and Recreational	Lithgow	South	Unlikely	Minor	Low			

Appendix 3: Treatment Register

Priority (Risk Rating)	Asset ID	Asset Name	Asset Location	Class	Subclass	Strategy	Treatment ID	Action Description	Comment	Responsible Agencies	Other RA	Support Agencies	2021	2122	2223	2324	2425					
1B (Extreme)	0	Aboriginal Sites of High Vulnerability	Various	Cultural Heritage	Aboriginal Significance	Hazard Reduction	2	Undertake burning in SFAZs and LMZs		OEH;RFS;DPI;FCNSW			[2021]	[2122]	[2223]	[2324]	[2425]					
						Ignition Management	1	Implement Prevention Plan	Implement arson and illegal/careless fires prevention plan	RFS		OEH;FCNSW;Police	[2021]	[2122]	[2223]	[2324]	[2425]					
1C (Extreme)	0	Electricity Infrastructure (Transmission Lines & Towers)	Various	Economic	Infrastructure	Preparedness	16	Inspect and Maintain Fire Breaks	In Line with Industry Guidelines and Practice Notes	Other	Transgrid		[2021]	[2122]	[2223]	[2324]	[2425]					
						Hazard Reduction	12	Undertake burning in SFAZs and LMZs		OEH;RFS;DPI;FCNSW			[2021]	[2122]	[2223]	[2324]	[2425]					
		Endangered Ecological Community 3	Environmental	Endangered	Ignition Management	11	Implement Prevention Plan	Implement arson and illegal/careless fires prevention plan	RFS		OEH;FCNSW;Police		[2021]	[2122]	[2223]	[2324]	[2425]					
					Hazard Reduction	12	Undertake burning in SFAZs and LMZs		OEH;RFS;DPI;FCNSW			[2021]	[2122]	[2223]	[2324]	[2425]						
		Gentianaceae	Environmental	Endangered	Ignition Management	11	Implement Prevention Plan	Implement arson and illegal/careless fires prevention plan	RFS		OEH;FCNSW;Police		[2021]	[2122]	[2223]	[2324]	[2425]					
					Hazard Reduction	12	Undertake burning in SFAZs and LMZs		OEH;RFS;DPI;FCNSW			[2021]	[2122]	[2223]	[2324]	[2425]						
		Gyrostemonaceae	Environmental	Endangered	Hazard Reduction	12	Undertake burning in SFAZs and LMZs		OEH;RFS;DPI;FCNSW			[2021]	[2122]	[2223]	[2324]	[2425]						
					Ignition Management	11	Implement Prevention Plan	Implement arson and illegal/careless fires prevention plan	RFS		OEH;FCNSW;Police	[2021]	[2122]	[2223]	[2324]	[2425]						
		Orchidaceae 1	Environmental	Endangered	Hazard Reduction	12	Undertake burning in SFAZs and LMZs		OEH;RFS;DPI;FCNSW			[2021]	[2122]	[2223]	[2324]	[2425]						
					Ignition Management	11	Implement Prevention Plan	Implement arson and illegal/careless fires prevention plan	RFS		OEH;FCNSW;Police	[2021]	[2122]	[2223]	[2324]	[2425]						
		Rhamnaceae 2	Environmental	Endangered	Hazard Reduction	12	Undertake burning in SFAZs and LMZs		OEH;RFS;DPI;FCNSW			[2021]	[2122]	[2223]	[2324]	[2425]						
					Ignition Management	11	Implement Prevention Plan	Implement arson and illegal/careless fires prevention plan	RFS		OEH;FCNSW;Police	[2021]	[2122]	[2223]	[2324]	[2425]						
	1	Newnes State Forest	Newnes	Economic	Commercial Forests	Community Education	6	Make Fact Sheets and Pamphlets Available	Recreation use of Forests pamphlets available through Tourist Information Centre	FCNSW			[2021]	[2122]	[2223]	[2324]	[2425]					
						Hazard Reduction	5	Undertake Burning in LMZs and SFAZs		FCNSW			[2021]	[2122]	[2223]	[2324]	[2425]					
						Ignition Management	8	Activate No Burn Plan	Activate solid fuel fire ban in state forests during Bush Fire Danger Period	FCNSW	RFS;Police	[2021]	[2122]	[2223]	[2324]	[2425]						
						Preparedness	9	Inspect and Maintain Strategic Fire Trails	Maintain a road network within plantations in line with FCNSW Strategic Plan of Management	FCNSW		[2021]	[2122]	[2223]	[2324]	[2425]						
							10	Inspect and Maintain Water Points and Fire Breaks	In line with FCNSW Strategic Plan of Management	FCNSW		[2021]	[2122]	[2223]	[2324]	[2425]						
						Property Planning	7	Implement FCNSW State of Preparation Guidelines	In line with FCNSW Softwood Plantation Division Fuel Management Plan	FCNSW		[2021]	[2122]	[2223]	[2324]	[2425]						
						2	Sunny Corner State Forest	Dark Corner	Economic	Commercial Forests	Community Education	6	Make Fact Sheets and Pamphlets Available	Recreation use of Forests pamphlets available through Tourist Information Centre	FCNSW			[2021]	[2122]	[2223]	[2324]	[2425]
											Hazard Reduction	5	Undertake Burning in LMZs and SFAZs		FCNSW			[2021]	[2122]	[2223]	[2324]	[2425]
											Ignition Management	8	Activate No Burn Plan	Activate solid fuel fire ban in state forests during Bush Fire Danger Period	FCNSW	RFS;Police	[2021]	[2122]	[2223]	[2324]	[2425]	
											Preparedness	9	Inspect and Maintain Strategic Fire Trails	Maintain a road network within plantations in line with FCNSW Strategic Plan of Management	FCNSW		[2021]	[2122]	[2223]	[2324]	[2425]	
												10	Inspect and Maintain Water Points and Fire Breaks	In line with FCNSW Strategic Plan of Management	FCNSW		[2021]	[2122]	[2223]	[2324]	[2425]	
											Property Planning	7	Implement FCNSW State of Preparation Guidelines	In line with FCNSW Softwood Plantation Division Fuel Management Plan	FCNSW		[2021]	[2122]	[2223]	[2324]	[2425]	
3	Bowenfels	Bowenfels	Human Settlement	Residential	Community Education	13	Undertake Community Engagement Activity		RFS			[2021]	[2122]	[2223]	[2324]	[2425]						
					Hazard Reduction	14	Undertake Burn in SFAZ		OEH;RFS			[2122]										
4	Hartley - Rural Properties	Hartley	Human Settlement	Residential	Community Education	4	Undertake Community Engagement Activity		RFS			[2021]	[2122]	[2223]	[2324]	[2425]						
					Hazard Reduction	3	Create and Maintain APZ		Private	RFS	[2021]	[2122]	[2223]	[2324]	[2425]							
					Preparedness	15	Inspect and Maintain Fire Trails		RFS		[2021]	[2122]	[2223]	[2324]	[2425]							
5	Little Hartley - Rural Properties	Little Hartley	Human Settlement	Residential	Community Education	4	Undertake Community Engagement Activity		RFS			[2021]	[2122]	[2223]	[2324]	[2425]						
					Hazard Reduction	3	Create and Maintain APZ		Private	RFS	[2021]	[2122]	[2223]	[2324]	[2425]							
					Preparedness	15	Inspect and Maintain Fire Trails		RFS		[2021]	[2122]	[2223]	[2324]	[2425]							
2A (Very High)	0	Aboriginal Sites of Moderate Vulnerability	Various	Cultural Heritage	Aboriginal Significance	Hazard Reduction	31	Undertake burning in SFAZs and LMZs		OEH;RFS;DPI;FCNSW			[2021]	[2122]	[2223]	[2324]	[2425]					
						Ignition Management	30	Implement Prevention Plan	Implement arson and illegal/careless fires prevention plan	RFS		OEH;FCNSW;Police	[2021]	[2122]	[2223]	[2324]	[2425]					
	Apiaceae	Environmental	Endangered	Hazard Reduction	33	Undertake burning in SFAZs and LMZs		OEH;RFS;DPI;FCNSW			[2021]	[2122]	[2223]	[2324]	[2425]							
				Ignition Management	32	Implement Prevention Plan	Implement arson and illegal/careless fires prevention plan	RFS		OEH;FCNSW;Police	[2021]	[2122]	[2223]	[2324]	[2425]							
	Apocynaceae	Environmental	Endangered	Hazard Reduction	33	Undertake burning in SFAZs and LMZs		OEH;RFS;DPI;FCNSW			[2021]	[2122]	[2223]	[2324]	[2425]							
				Ignition Management	32	Implement Prevention Plan	Implement arson and illegal/careless fires prevention plan	RFS		OEH;FCNSW;Police	[2021]	[2122]	[2223]	[2324]	[2425]							
	Ardeidae	Environmental	Endangered	Hazard Reduction	33	Undertake burning in SFAZs and LMZs		OEH;RFS;DPI;FCNSW			[2021]	[2122]	[2223]	[2324]	[2425]							
				Ignition Management	32	Implement Prevention Plan	Implement arson and illegal/careless fires prevention plan	RFS		OEH;FCNSW;Police	[2021]	[2122]	[2223]	[2324]	[2425]							
	Burhinidae	Environmental	Endangered	Hazard Reduction	33	Undertake burning in SFAZs and LMZs		OEH;RFS;DPI;FCNSW			[2021]	[2122]	[2223]	[2324]	[2425]							
				Ignition Management	32	Implement Prevention Plan	Implement arson and illegal/careless fires prevention plan	RFS		OEH;FCNSW;Police	[2021]	[2122]	[2223]	[2324]	[2425]							
	Calomniaceae	Environmental	Endangered	Hazard Reduction	33	Undertake burning in SFAZs and LMZs		OEH;RFS;DPI;FCNSW			[2021]	[2122]	[2223]	[2324]	[2425]							
				Ignition Management	32	Implement Prevention Plan	Implement arson and illegal/careless fires prevention plan	RFS		OEH;FCNSW;Police	[2021]	[2122]	[2223]	[2324]	[2425]							
	Cyperaceae	Environmental	Endangered	Hazard Reduction	33	Undertake burning in SFAZs and LMZs		OEH;RFS;DPI;FCNSW			[2021]	[2122]	[2223]	[2324]	[2425]							
				Ignition Management	32	Implement Prevention Plan	Implement arson and illegal/careless fires prevention plan	RFS		OEH;FCNSW;Police	[2021]	[2122]	[2223]	[2324]	[2425]							
	Dryopteridaceae	Environmental	Endangered	Hazard Reduction	33	Undertake burning in SFAZs and LMZs		OEH;RFS;DPI;FCNSW			[2021]	[2122]	[2223]	[2324]	[2425]							
				Ignition Management	32	Implement Prevention Plan	Implement arson and illegal/careless fires prevention plan	RFS		OEH;FCNSW;Police	[2021]	[2122]	[2223]	[2324]	[2425]							
	Endangered Ecological Community 1	Environmental	Endangered	Hazard Reduction	33	Undertake burning in SFAZs and LMZs		OEH;RFS;DPI;FCNSW			[2021]	[2122]	[2223]	[2324]	[2425]							
				Ignition Management	32	Implement Prevention Plan	Implement arson and illegal/careless fires prevention plan	RFS		OEH;FCNSW;Police	[2021]	[2122]	[2223]	[2324]	[2425]							
	Endangered Ecological Community 2	Environmental	Endangered	Hazard Reduction	33	Undertake burning in SFAZs and LMZs		OEH;RFS;DPI;FCNSW			[2021]	[2122]	[2223]	[2324]	[2425]							
				Ignition Management	32	Implement Prevention Plan	Implement arson and illegal/careless fires prevention plan	RFS		OEH;FCNSW;Police	[2021]	[2122]	[2223]	[2324]	[2425]							
	Endangered Ecological Community 4	Environmental	Endangered	Hazard Reduction	33	Undertake burning in SFAZs and LMZs		OEH;RFS;DPI;FCNSW			[2021]	[2122]	[2223]	[2324]	[2425]							
				Ignition Management	32	Implement Prevention Plan	Implement arson and illegal/careless fires prevention plan	RFS		OEH;FCNSW;Police	[2021]	[2122]	[2223]	[2324]	[2425]							
	Fabaceae (Faboideae) 1	Environmental	Endangered	Hazard Reduction	33	Undertake burning in SFAZs and LMZs		OEH;RFS;DPI;FCNSW			[2021]	[2122]	[2223]	[2324]	[2425]							
				Ignition Management	32	Implement Prevention Plan	Implement arson and illegal/careless fires prevention plan	RFS		OEH;FCNSW;Police	[2021]	[2122]	[2223]	[2324]	[2425]							

Priority (Risk Rating)	Asset ID	Asset Name	Asset Location	Class	Subclass	Strategy	Treatment ID	Action Description	Comment	Responsible Agencies	Other RA	Support Agencies	2021	2122	2223	2324	2425	
2A (Very High)	0	Fabaceae (Faboideae) 2		Environmental	Endangered	Hazard Reduction	33	Undertake burning in SFAZs and LMZs		OEH;RFS;DPI;FCNSW			[2021]	[2122]	[2223]	[2324]	[2425]	
						Ignition Management	32	Implement Prevention Plan	Implement arson and illegal/careless fires prevention plan	RFS		OEH;FCNSW;Police	[2021]	[2122]	[2223]	[2324]	[2425]	
		Fabaceae (Faboideae) 3		Environmental	Endangered	Hazard Reduction	33	Undertake burning in SFAZs and LMZs		OEH;RFS;DPI;FCNSW				[2021]	[2122]	[2223]	[2324]	[2425]
						Ignition Management	32	Implement Prevention Plan	Implement arson and illegal/careless fires prevention plan	RFS		OEH;FCNSW;Police	[2021]	[2122]	[2223]	[2324]	[2425]	
		Fabaceae (Faboideae) 4		Environmental	Endangered	Hazard Reduction	33	Undertake burning in SFAZs and LMZs		OEH;RFS;DPI;FCNSW				[2021]	[2122]	[2223]	[2324]	[2425]
						Ignition Management	32	Implement Prevention Plan	Implement arson and illegal/careless fires prevention plan	RFS		OEH;FCNSW;Police	[2021]	[2122]	[2223]	[2324]	[2425]	
		Grammitidaceae		Environmental	Endangered	Hazard Reduction	33	Undertake burning in SFAZs and LMZs		OEH;RFS;DPI;FCNSW				[2021]	[2122]	[2223]	[2324]	[2425]
						Ignition Management	32	Implement Prevention Plan	Implement arson and illegal/careless fires prevention plan	RFS		OEH;FCNSW;Police	[2021]	[2122]	[2223]	[2324]	[2425]	
		Hylidae 1		Environmental	Endangered	Hazard Reduction	33	Undertake burning in SFAZs and LMZs		OEH;RFS;DPI;FCNSW				[2021]	[2122]	[2223]	[2324]	[2425]
						Ignition Management	32	Implement Prevention Plan	Implement arson and illegal/careless fires prevention plan	RFS		OEH;FCNSW;Police	[2021]	[2122]	[2223]	[2324]	[2425]	
		Hylidae 2		Environmental	Endangered	Hazard Reduction	33	Undertake burning in SFAZs and LMZs		OEH;RFS;DPI;FCNSW				[2021]	[2122]	[2223]	[2324]	[2425]
						Ignition Management	32	Implement Prevention Plan	Implement arson and illegal/careless fires prevention plan	RFS		OEH;FCNSW;Police	[2021]	[2122]	[2223]	[2324]	[2425]	
		Hylidae 3		Environmental	Endangered	Hazard Reduction	33	Undertake burning in SFAZs and LMZs		OEH;RFS;DPI;FCNSW				[2021]	[2122]	[2223]	[2324]	[2425]
						Ignition Management	32	Implement Prevention Plan	Implement arson and illegal/careless fires prevention plan	RFS		OEH;FCNSW;Police	[2021]	[2122]	[2223]	[2324]	[2425]	
		Lycaenidae		Environmental	Endangered	Hazard Reduction	33	Undertake burning in SFAZs and LMZs		OEH;RFS;DPI;FCNSW				[2021]	[2122]	[2223]	[2324]	[2425]
						Ignition Management	32	Implement Prevention Plan	Implement arson and illegal/careless fires prevention plan	RFS		OEH;FCNSW;Police	[2021]	[2122]	[2223]	[2324]	[2425]	
		Megapodiidae		Environmental	Endangered	Hazard Reduction	33	Undertake burning in SFAZs and LMZs		OEH;RFS;DPI;FCNSW				[2021]	[2122]	[2223]	[2324]	[2425]
						Ignition Management	32	Implement Prevention Plan	Implement arson and illegal/careless fires prevention plan	RFS		OEH;FCNSW;Police	[2021]	[2122]	[2223]	[2324]	[2425]	
		Meliphagidae		Environmental	Endangered	Hazard Reduction	33	Undertake burning in SFAZs and LMZs		OEH;RFS;DPI;FCNSW				[2021]	[2122]	[2223]	[2324]	[2425]
						Ignition Management	32	Implement Prevention Plan	Implement arson and illegal/careless fires prevention plan	RFS		OEH;FCNSW;Police	[2021]	[2122]	[2223]	[2324]	[2425]	
		Myobatrachidae 1		Environmental	Endangered	Hazard Reduction	33	Undertake burning in SFAZs and LMZs		OEH;RFS;DPI;FCNSW				[2021]	[2122]	[2223]	[2324]	[2425]
						Ignition Management	32	Implement Prevention Plan	Implement arson and illegal/careless fires prevention plan	RFS		OEH;FCNSW;Police	[2021]	[2122]	[2223]	[2324]	[2425]	
		Myobatrachidae 2		Environmental	Endangered	Hazard Reduction	33	Undertake burning in SFAZs and LMZs		OEH;RFS;DPI;FCNSW				[2021]	[2122]	[2223]	[2324]	[2425]
						Ignition Management	32	Implement Prevention Plan	Implement arson and illegal/careless fires prevention plan	RFS		OEH;FCNSW;Police	[2021]	[2122]	[2223]	[2324]	[2425]	
		Myrtaceae 1		Environmental	Endangered	Hazard Reduction	33	Undertake burning in SFAZs and LMZs		OEH;RFS;DPI;FCNSW				[2021]	[2122]	[2223]	[2324]	[2425]
						Ignition Management	32	Implement Prevention Plan	Implement arson and illegal/careless fires prevention plan	RFS		OEH;FCNSW;Police	[2021]	[2122]	[2223]	[2324]	[2425]	
		Myrtaceae 2		Environmental	Endangered	Hazard Reduction	33	Undertake burning in SFAZs and LMZs		OEH;RFS;DPI;FCNSW				[2021]	[2122]	[2223]	[2324]	[2425]
						Ignition Management	32	Implement Prevention Plan	Implement arson and illegal/careless fires prevention plan	RFS		OEH;FCNSW;Police	[2021]	[2122]	[2223]	[2324]	[2425]	
		Myrtaceae 3		Environmental	Endangered	Hazard Reduction	33	Undertake burning in SFAZs and LMZs		OEH;RFS;DPI;FCNSW				[2021]	[2122]	[2223]	[2324]	[2425]
						Ignition Management	32	Implement Prevention Plan	Implement arson and illegal/careless fires prevention plan	RFS		OEH;FCNSW;Police	[2021]	[2122]	[2223]	[2324]	[2425]	
		Orchidaceae 2		Environmental	Endangered	Hazard Reduction	33	Undertake burning in SFAZs and LMZs		OEH;RFS;DPI;FCNSW				[2021]	[2122]	[2223]	[2324]	[2425]
						Ignition Management	32	Implement Prevention Plan	Implement arson and illegal/careless fires prevention plan	RFS		OEH;FCNSW;Police	[2021]	[2122]	[2223]	[2324]	[2425]	
		Orchidaceae 3		Environmental	Endangered	Hazard Reduction	33	Undertake burning in SFAZs and LMZs		OEH;RFS;DPI;FCNSW				[2021]	[2122]	[2223]	[2324]	[2425]
						Ignition Management	32	Implement Prevention Plan	Implement arson and illegal/careless fires prevention plan	RFS		OEH;FCNSW;Police	[2021]	[2122]	[2223]	[2324]	[2425]	
		Petaluridae		Environmental	Endangered	Hazard Reduction	33	Undertake burning in SFAZs and LMZs		OEH;RFS;DPI;FCNSW				[2021]	[2122]	[2223]	[2324]	[2425]
						Ignition Management	32	Implement Prevention Plan	Implement arson and illegal/careless fires prevention plan	RFS		OEH;FCNSW;Police	[2021]	[2122]	[2223]	[2324]	[2425]	
Podocarpaceae		Environmental	Endangered	Hazard Reduction	33	Undertake burning in SFAZs and LMZs		OEH;RFS;DPI;FCNSW				[2021]	[2122]	[2223]	[2324]	[2425]		
				Ignition Management	32	Implement Prevention Plan	Implement arson and illegal/careless fires prevention plan	RFS		OEH;FCNSW;Police	[2021]	[2122]	[2223]	[2324]	[2425]			
Proteaceae		Environmental	Endangered	Hazard Reduction	33	Undertake burning in SFAZs and LMZs		OEH;RFS;DPI;FCNSW				[2021]	[2122]	[2223]	[2324]	[2425]		
				Ignition Management	32	Implement Prevention Plan	Implement arson and illegal/careless fires prevention plan	RFS		OEH;FCNSW;Police	[2021]	[2122]	[2223]	[2324]	[2425]			
Rhamnaceae 1		Environmental	Endangered	Hazard Reduction	33	Undertake burning in SFAZs and LMZs		OEH;RFS;DPI;FCNSW				[2021]	[2122]	[2223]	[2324]	[2425]		
				Ignition Management	32	Implement Prevention Plan	Implement arson and illegal/careless fires prevention plan	RFS		OEH;FCNSW;Police	[2021]	[2122]	[2223]	[2324]	[2425]			
Rutaceae 2		Environmental	Endangered	Hazard Reduction	33	Undertake burning in SFAZs and LMZs		OEH;RFS;DPI;FCNSW				[2021]	[2122]	[2223]	[2324]	[2425]		
				Ignition Management	32	Implement Prevention Plan	Implement arson and illegal/careless fires prevention plan	RFS		OEH;FCNSW;Police	[2021]	[2122]	[2223]	[2324]	[2425]			
Scincidae		Environmental	Endangered	Hazard Reduction	33	Undertake burning in SFAZs and LMZs		OEH;RFS;DPI;FCNSW				[2021]	[2122]	[2223]	[2324]	[2425]		
				Ignition Management	32	Implement Prevention Plan	Implement arson and illegal/careless fires prevention plan	RFS		OEH;FCNSW;Police	[2021]	[2122]	[2223]	[2324]	[2425]			
Scrophulariaceae 1		Environmental	Endangered	Hazard Reduction	33	Undertake burning in SFAZs and LMZs		OEH;RFS;DPI;FCNSW				[2021]	[2122]	[2223]	[2324]	[2425]		
				Ignition Management	32	Implement Prevention Plan	Implement arson and illegal/careless fires prevention plan	RFS		OEH;FCNSW;Police	[2021]	[2122]	[2223]	[2324]	[2425]			
Scrophulariaceae 2		Environmental	Endangered	Hazard Reduction	33	Undertake burning in SFAZs and LMZs		OEH;RFS;DPI;FCNSW				[2021]	[2122]	[2223]	[2324]	[2425]		
				Ignition Management	32	Implement Prevention Plan	Implement arson and illegal/careless fires prevention plan	RFS		OEH;FCNSW;Police	[2021]	[2122]	[2223]	[2324]	[2425]			
2A (Very High)		Water Pipeline - Oberon to Glen Davis	Oberon to Glen Davis	Economic	Drinking Water	Hazard Reduction	23	Create and Maintain APZ		Other	State Water Corporation		[2021]	[2122]	[2223]	[2324]	[2425]	
2A (Very High)	6	Hampton State Forest	Hampton	Economic	Commercial Forests	Community Education	6	Make Fact Sheets and Pamphlets Available	Recreation use of Forests pamphlets available through Tourist Information Centre	FCNSW			[2021]	[2122]	[2223]	[2324]	[2425]	
						Hazard Reduction	5	Undertake Burning in LMZs and SFAZs		FCNSW			[2021]	[2122]	[2223]	[2324]	[2425]	
						Ignition Management	8	Activate No Burn Plan	Activate solid fuel fire ban in state forests during Bush Fire Danger Period	FCNSW	RFS;Police	[2021]	[2122]	[2223]	[2324]	[2425]		
						Ignition Management	19	Man Fire Towers and Patrol Area as Required	Undertake patrols of area during TOBAN. Man Fire Towers as stated in Lithgow BFM Operations Coordination Plan.	FCNSW		[2021]	[2122]	[2223]	[2324]	[2425]		
						Preparedness	9	Inspect and Maintain Strategic Fire Trails	Maintain a road network within plantations in line with FCNSW Strategic Plan of Management	FCNSW		[2021]	[2122]	[2223]	[2324]	[2425]		
							10	Inspect and Maintain Water Points and Fire Breaks	In line with FCNSW Strategic Plan of Management	FCNSW		[2021]	[2122]	[2223]	[2324]	[2425]		
Property Planning	7	Implement FCNSW State of Preparation Guidelines	In line with FCNSW Softwood Plantation Division Fuel Management Plan	FCNSW		[2021]	[2122]	[2223]	[2324]	[2425]								

Priority (Risk Rating)	Asset ID	Asset Name	Asset Location	Class	Subclass	Strategy	Treatment ID	Action Description	Comment	Responsible Agencies	Other RA	Support Agencies	2021	2122	2223	2324	2425	
2A (Very High)	7	Jenolan State Forest	Jenolan	Economic	Commercial Forests	Community Education	6	Make Fact Sheets and Pamphlets Available	Recreation use of Forests pamphlets available through Tourist Information Centre	FCNSW			[2021]	[2122]	[2223]	[2324]	[2425]	
						Hazard Reduction	5	Undertake Burning in LMZs and SFAZs		FCNSW			[2021]	[2122]	[2223]	[2324]	[2425]	
						Ignition Management	8	Activate No Burn Plan	Activate solid fuel fire ban in state forests during Bush Fire Danger Period	FCNSW		RFS,Police	[2021]	[2122]	[2223]	[2324]	[2425]	
						Preparedness	9	Inspect and Maintain Strategic Fire Trails	Maintain a road network within plantations in line with FCNSW Strategic Plan of Management	FCNSW			[2021]	[2122]	[2223]	[2324]	[2425]	
							10	Inspect and Maintain Water Points and Fire Breaks	In line with FCNSW Strategic Plan of Management	FCNSW			[2021]	[2122]	[2223]	[2324]	[2425]	
	8	Lidsdale State Forest	Wallerawang	Economic	Commercial Forests	Community Education	6	Make Fact Sheets and Pamphlets Available	Recreation use of Forests pamphlets available through Tourist Information Centre	FCNSW				[2021]	[2122]	[2223]	[2324]	[2425]
						Hazard Reduction	5	Undertake Burning in LMZs and SFAZs		FCNSW			[2021]	[2122]	[2223]	[2324]	[2425]	
						Ignition Management	8	Activate No Burn Plan	Activate solid fuel fire ban in state forests during Bush Fire Danger Period	FCNSW		RFS,Police	[2021]	[2122]	[2223]	[2324]	[2425]	
						Preparedness	9	Inspect and Maintain Strategic Fire Trails	Maintain a road network within plantations in line with FCNSW Strategic Plan of Management	FCNSW			[2021]	[2122]	[2223]	[2324]	[2425]	
							10	Inspect and Maintain Water Points and Fire Breaks	In line with FCNSW Strategic Plan of Management	FCNSW			[2021]	[2122]	[2223]	[2324]	[2425]	
	9	Ben Bullen State Forest	Ben Bullen	Economic	Commercial Forests	Community Education	6	Make Fact Sheets and Pamphlets Available	Recreation use of Forests Information and Solid Fuel Fire Ban Information available through Visitor Information Centres	FCNSW				[2021]	[2122]	[2223]	[2324]	[2425]
						Hazard Reduction	25	Undertake Burning in LMZs and SFAZs		FCNSW			[2021]	[2122]	[2223]	[2324]	[2425]	
						Ignition Management	27	Activate No Burn Plan	Activate solid fuel fire ban in state forests during Bush Fire Danger Period	FCNSW		RFS,Police	[2021]	[2122]	[2223]	[2324]	[2425]	
						Preparedness	28	Inspect and Maintain Strategic Fire Trails	Maintain a road network within plantations in line with FCNSW Strategic Plan of Management	FCNSW			[2021]	[2122]	[2223]	[2324]	[2425]	
						Property Planning	29	Implement FCNSW State of Preparation Guidelines	In line with FCNSW Softwood Plantation Division Fuel Management Plan	FCNSW			[2021]	[2122]	[2223]	[2324]	[2425]	
	10	Wolgan State Forest	Wolgan	Economic	Commercial Forests	Community Education	26	Make Fact Sheets and Pamphlets Available	Recreational use of Forests Information and Solid Fuel Fire Ban Information available through Visitor Information Centres	FCNSW				[2021]	[2122]	[2223]	[2324]	[2425]
						Hazard Reduction	25	Undertake Burning in LMZs and SFAZs		FCNSW			[2021]	[2122]	[2223]	[2324]	[2425]	
						Ignition Management	27	Activate No Burn Plan	Activate solid fuel fire ban in state forests during Bush Fire Danger Period	FCNSW		RFS,Police	[2021]	[2122]	[2223]	[2324]	[2425]	
						Preparedness	28	Inspect and Maintain Strategic Fire Trails	Maintain a road network within plantations in line with FCNSW Strategic Plan of Management	FCNSW			[2021]	[2122]	[2223]	[2324]	[2425]	
						Property Planning	29	Implement FCNSW State of Preparation Guidelines	In line with FCNSW Softwood Plantation Division Fuel Management Plan	FCNSW			[2021]	[2122]	[2223]	[2324]	[2425]	
	11	Hassans Walls Communication Towers	Lithgow	Economic	Infrastructure	Hazard Reduction	14	Undertake Burn in SFAZ			OEH,RFS			[2122]				
							20	Create and Maintain APZ		LGA			[2021]	[2122]	[2223]	[2324]	[2425]	
	12	Mount Airly Communication Tower	Capertee	Economic	Infrastructure	Hazard Reduction	20	Create and Maintain APZ			LGA			[2021]	[2122]	[2223]	[2324]	[2425]
	13	Mount Lambie Communication Tower	Mount Lambie	Economic	Infrastructure	Hazard Reduction	21	Create and Maintain APZ			Other	Transgrid		[2021]	[2122]	[2223]	[2324]	[2425]
	14	Baal Bone Colliery	Cullen Bullen	Economic	Mines	Property Planning	22	Develop/Maintain/Implement Preparedness Plan			Private		RFS	[2021]	[2122]	[2223]	[2324]	[2425]
	15	Cullen Valley Colliery	Cullen Bullen	Economic	Mines	Property Planning	22	Develop/Maintain/Implement Preparedness Plan			Private		RFS	[2021]	[2122]	[2223]	[2324]	[2425]
16	Angus Place Colliery	Lidsdale	Economic	Mines	Property Planning	22	Develop/Maintain/Implement Preparedness Plan			Private		RFS	[2021]	[2122]	[2223]	[2324]	[2425]	
17	Clarence Colliery	Clarence	Economic	Mines	Property Planning	22	Develop/Maintain/Implement Preparedness Plan			Private		RFS	[2021]	[2122]	[2223]	[2324]	[2425]	
18	Ivanhoe Colliery	Blackmans Flat	Economic	Mines	Property Planning	22	Develop/Maintain/Implement Preparedness Plan			Private		RFS	[2021]	[2122]	[2223]	[2324]	[2425]	
19	Kanimbla - Rural Properties	Kanimbla	Human Settlement	Residential	Community Education	13	Undertake Community Engagement Activity			RFS			[2021]	[2122]	[2223]	[2324]	[2425]	
					Hazard Reduction	3	Create and Maintain APZ		Private		RFS	[2021]	[2122]	[2223]	[2324]	[2425]		
						18	Undertake Burn in SFAZ		RFS			[2021]			[2324]			
20	Springvale Colliery	Lidsdale	Economic	Mines	Preparedness	15	Inspect and Maintain Fire Trails			RFS			[2021]	[2122]	[2223]	[2324]	[2425]	
					Property Planning	22	Develop/Maintain/Implement Preparedness Plan		Private		RFS	[2021]	[2122]	[2223]	[2324]	[2425]		
					Property Planning	22	Develop/Maintain/Implement Preparedness Plan		Private		RFS	[2021]	[2122]	[2223]	[2324]	[2425]		
21	Invincible Colliery	Cullen Bullen	Economic	Mines	Property Planning	22	Develop/Maintain/Implement Preparedness Plan			Private		RFS	[2021]	[2122]	[2223]	[2324]	[2425]	
22	Sibelco Quarry	Round Swamp	Economic	Mines	Property Planning	22	Develop/Maintain/Implement Preparedness Plan			Private		RFS	[2021]	[2122]	[2223]	[2324]	[2425]	
23	Austen Quarry	Hartley	Economic	Mines	Property Planning	22	Develop/Maintain/Implement Preparedness Plan			Private		RFS	[2021]	[2122]	[2223]	[2324]	[2425]	
24	Hanson Quarries	Clarence	Economic	Mines	Property Planning	22	Develop/Maintain/Implement Preparedness Plan			Private		RFS	[2021]	[2122]	[2223]	[2324]	[2425]	
25	Thompsons Creek Dam	Wallerawang	Economic	Infrastructure	Hazard Reduction	24	Create and Maintain APZ around Infrastructure			Private		RFS	[2021]	[2122]	[2223]	[2324]	[2425]	
26	Metro Mix Quarry	Marrangaroo	Economic	Mines	Property Planning	22	Develop/Maintain/Implement Preparedness Plan			Private		RFS	[2021]	[2122]	[2223]	[2324]	[2425]	
27	Falnash State Forest	Thompsons Creek Rd, Wallerawang	Economic	Commercial Forests	Community Education	26	Make Fact Sheets and Pamphlets Available	Recreational use of Forests Information and Solid Fuel Fire Ban Information available through Visitor Information Centres	FCNSW				[2021]	[2122]	[2223]	[2324]	[2425]	
					Hazard Reduction	25	Undertake Burning in LMZs and SFAZs		FCNSW			[2021]	[2122]	[2223]	[2324]	[2425]		
					Ignition Management	27	Activate No Burn Plan	Activate solid fuel fire ban in state forests during Bush Fire Danger Period	FCNSW		RFS,Police	[2021]	[2122]	[2223]	[2324]	[2425]		
					Preparedness	28	Inspect and Maintain Strategic Fire Trails	Maintain a road network within plantations in line with FCNSW Strategic Plan of Management	FCNSW			[2021]	[2122]	[2223]	[2324]	[2425]		
					Property Planning	29	Implement FCNSW State of Preparation Guidelines	In line with FCNSW Softwood Plantation Division Fuel Management Plan	FCNSW			[2021]	[2122]	[2223]	[2324]	[2425]		
28	Mount Piper Power Station	Portland	Economic	Infrastructure	Preparedness	35	Inspect and Maintain Fire Breaks			Private		RFS	[2021]	[2122]	[2223]	[2324]	[2425]	
					Property Planning	34	Develop/Maintain/Implement Preparedness Plan		Private		RFS	[2021]	[2122]	[2223]	[2324]	[2425]		
2C (Very High)	0	Telecommunications Infrastructure	Various	Economic	Infrastructure	Hazard Reduction	42	Inspect and Maintain Fire Breaks	In Line with Industry Guidelines and Practice Notes	Other	Telecommunications Agencies		[2021]	[2122]	[2223]	[2324]	[2425]	
						Community Education	13	Undertake Community Engagement Activity		RFS			[2021]	[2122]	[2223]	[2324]	[2425]	
						Hazard Reduction	17	Create and Maintain APZ		Private		RFS,DPI	[2021]	[2122]	[2223]	[2324]	[2425]	
	29	Clarence	Clarence	Human Settlement	Residential	Hazard Reduction	41	Undertake hazard reduction (burning & mechanical)			DPI			[2021]	[2122]	[2223]	[2324]	[2425]
						Preparedness	15	Inspect and Maintain Fire Trails		RFS			[2021]	[2122]	[2223]	[2324]	[2425]	
						Hazard Reduction	36	Create and Maintain APZ		Private		RFS	[2021]	[2122]	[2223]	[2324]	[2425]	
	30	Collits Inn	Hartley Vale	Cultural Heritage	Non Indigenous	Hazard Reduction	36	Create and Maintain APZ			Private		RFS	[2021]	[2122]	[2223]	[2324]	[2425]
						Community Education	37	Undertake Community Engagement Activity		RFS			[2021]	[2122]	[2223]	[2324]	[2425]	
						Hazard Reduction	18	Undertake Burn in SFAZ		RFS			[2021]			[2324]		
Hazard Reduction						39	Inspect and Maintain SFAZ as Required		RFS			[2021]	[2122]	[2223]	[2324]	[2425]		
Hazard Reduction						40	Create and Maintain APZ		Private		RFS	[2021]	[2122]	[2223]	[2324]	[2425]		
31	Portland - Village	Portland	Human Settlement	Residential	Hazard Reduction	41	Undertake hazard reduction (burning & mechanical)			DPI			[2021]	[2122]	[2223]	[2324]	[2425]	

Priority (Risk Rating)	Asset ID	Asset Name	Asset Location	Class	Subclass	Strategy	Treatment ID	Action Description	Comment	Responsible Agencies	Other RA	Support Agencies	2021	2122	2223	2324	2425
2C (Very High)	32	Glen Alice - Rural Properties	Glen Alice	Human Settlement	Residential	Community Education	37	Undertake Community Engagement Activity		RFS			[2021]	[2122]	[2223]	[2324]	[2425]
						Hazard Reduction	3	Create and Maintain APZ		Private		RFS	[2021]	[2122]	[2223]	[2324]	[2425]
							40	Create and Maintain APZ		Private		RFS	[2021]	[2122]	[2223]	[2324]	[2425]
						Preparedness	38	Inspect and Maintain Fire Trails		RFS		[2021]	[2122]	[2223]	[2324]	[2425]	
	33	Ben Bullen - Rural Properties	Ben Bullen	Human Settlement	Residential	Community Education	37	Undertake Community Engagement Activity		RFS			[2021]	[2122]	[2223]	[2324]	[2425]
						Hazard Reduction	17	Create and Maintain APZ		Private		RFS,DPI	[2021]	[2122]	[2223]	[2324]	[2425]
							40	Create and Maintain APZ		Private		RFS	[2021]	[2122]	[2223]	[2324]	[2425]
						41	Undertake hazard reduction (burning & mechanical)		DPI		[2021]	[2122]	[2223]	[2324]	[2425]		
	Preparedness	38	Inspect and Maintain Fire Trails		RFS		[2021]	[2122]	[2223]	[2324]	[2425]						
	34	Lidsdale - Village	Lidsdale	Human Settlement	Residential	Community Education	13	Undertake Community Engagement Activity		RFS			[2021]	[2122]	[2223]	[2324]	[2425]
						Hazard Reduction	17	Create and Maintain APZ		Private		RFS,DPI	[2021]	[2122]	[2223]	[2324]	[2425]
							41	Undertake hazard reduction (burning & mechanical)		DPI		[2021]	[2122]	[2223]	[2324]	[2425]	
	Preparedness	15	Inspect and Maintain Fire Trails		RFS		[2021]	[2122]	[2223]	[2324]	[2425]						
	35	Lidsdale - Rural Properties	Lidsdale	Human Settlement	Residential	Community Education	13	Undertake Community Engagement Activity		RFS			[2021]	[2122]	[2223]	[2324]	[2425]
						Hazard Reduction	3	Create and Maintain APZ		Private		RFS	[2021]	[2122]	[2223]	[2324]	[2425]
						Preparedness	15	Inspect and Maintain Fire Trails		RFS		[2021]	[2122]	[2223]	[2324]	[2425]	
	36	South Bowenfels - Rural Properties	South Bowenfels	Human Settlement	Residential	Community Education	37	Undertake Community Engagement Activity		RFS			[2021]	[2122]	[2223]	[2324]	[2425]
						Hazard Reduction	17	Create and Maintain APZ		Private		RFS,DPI	[2021]	[2122]	[2223]	[2324]	[2425]
							40	Create and Maintain APZ		Private		RFS	[2021]	[2122]	[2223]	[2324]	[2425]
						41	Undertake hazard reduction (burning & mechanical)		DPI		[2021]	[2122]	[2223]	[2324]	[2425]		
	Preparedness	38	Inspect and Maintain Fire Trails		RFS		[2021]	[2122]	[2223]	[2324]	[2425]						
	37	Springvale - Rural Properties	Springvale	Human Settlement	Residential	Community Education	13	Undertake Community Engagement Activity		RFS			[2021]	[2122]	[2223]	[2324]	[2425]
						Hazard Reduction	3	Create and Maintain APZ		Private		RFS	[2021]	[2122]	[2223]	[2324]	[2425]
						Preparedness	15	Inspect and Maintain Fire Trails		RFS		[2021]	[2122]	[2223]	[2324]	[2425]	
38	Portland - Rural Properties	Portland	Human Settlement	Residential	Community Education	13	Undertake Community Engagement Activity		RFS			[2021]	[2122]	[2223]	[2324]	[2425]	
					Hazard Reduction	17	Create and Maintain APZ		Private		RFS,DPI	[2021]	[2122]	[2223]	[2324]	[2425]	
					Preparedness	15	Inspect and Maintain Fire Trails		RFS		[2021]	[2122]	[2223]	[2324]	[2425]		
3A (High)	0	Aboriginal Sites of Low Vulnerability	Various	Cultural Heritage	Aboriginal Significance	Hazard Reduction	57	Undertake burning in SFAZs and LMZs		OEH;RFS;DPI;FCNSW			[2021]	[2122]	[2223]	[2324]	[2425]
						Ignition Management	56	Implement Prevention Plan	Implement arson and illegal/careless fires prevention plan	RFS		OEH;FCNSW;Police	[2021]	[2122]	[2223]	[2324]	[2425]
	39	Hartley Vale & Lawsons Long Alley - Rural Properties	Hartley Vale	Human Settlement	Residential	Community Education	44	Undertake Community Engagement Activity		RFS			[2021]	[2122]	[2223]	[2324]	[2425]
						Hazard Reduction	43	Create and Maintain APZ		Private		RFS	[2021]	[2122]	[2223]	[2324]	[2425]
						Preparedness	45	Inspect and Maintain Fire Trails		RFS		[2021]	[2122]	[2223]	[2324]	[2425]	
	40	Wolgan Valley - Rural Properties	Wolgan Valley	Human Settlement	Residential	Community Education	37	Undertake Community Engagement Activity		RFS			[2021]	[2122]	[2223]	[2324]	[2425]
						Hazard Reduction	40	Create and Maintain APZ		Private		RFS	[2021]	[2122]	[2223]	[2324]	[2425]
						Preparedness	38	Inspect and Maintain Fire Trails		RFS		[2021]	[2122]	[2223]	[2324]	[2425]	
	41	Marrangaroo	Marrangaroo	Human Settlement	Residential	Community Education	37	Undertake Community Engagement Activity		RFS			[2021]	[2122]	[2223]	[2324]	[2425]
						Hazard Reduction	40	Create and Maintain APZ		Private		RFS	[2021]	[2122]	[2223]	[2324]	[2425]
						Preparedness	38	Inspect and Maintain Fire Trails		RFS		[2021]	[2122]	[2223]	[2324]	[2425]	
	42	Capertee - Rural Properties	Capertee	Human Settlement	Residential	Community Education	37	Undertake Community Engagement Activity		RFS			[2021]	[2122]	[2223]	[2324]	[2425]
						Hazard Reduction	40	Create and Maintain APZ		Private		RFS	[2021]	[2122]	[2223]	[2324]	[2425]
						Preparedness	38	Inspect and Maintain Fire Trails		RFS		[2021]	[2122]	[2223]	[2324]	[2425]	
	43	Cullen Bullen - Village	Cullen Bullen	Human Settlement	Residential	Community Education	37	Undertake Community Engagement Activity		RFS			[2021]	[2122]	[2223]	[2324]	[2425]
						Hazard Reduction	40	Create and Maintain APZ		Private		RFS	[2021]	[2122]	[2223]	[2324]	[2425]
							41	Undertake hazard reduction (burning & mechanical)		DPI		[2021]	[2122]	[2223]	[2324]	[2425]	
						60	Create and Maintain APZ		Private		RFS,DPI	[2021]	[2122]	[2223]	[2324]	[2425]	
	Preparedness	38	Inspect and Maintain Fire Trails		RFS		[2021]	[2122]	[2223]	[2324]	[2425]						
	44	Hartley Historic Village	Hartley	Cultural Heritage	Non Indigenous	Hazard Reduction	46	Create and Maintain APZ		OEH			[2021]	[2122]	[2223]	[2324]	[2425]
						54	Undertake Burn in LMZ		RFS		[2021]						
	45	Old Airly Village	Capertee	Cultural Heritage	Non Indigenous	Hazard Reduction	46	Create and Maintain APZ		OEH			[2021]	[2122]	[2223]	[2324]	[2425]
						Ignition Management	58	Implement Ignition Prevention Plan	Park Fire Ban during BFDP, Park closure during TOBAN	OEH		RFS;Police	[2021]	[2122]	[2223]	[2324]	[2425]
	46	Newnes Historic Village	Newnes	Cultural Heritage	Non Indigenous	Hazard Reduction	46	Create and Maintain APZ		OEH			[2021]	[2122]	[2223]	[2324]	[2425]
47	Lithgow Water Treatment Works	Oakly Park	Economic	Infrastructure	Hazard Reduction	39	Inspect and Maintain SFAZ as Required		RFS			[2021]	[2122]	[2223]	[2324]	[2425]	
					48	Create and Maintain APZ		LGA		[2021]	[2122]	[2223]	[2324]	[2425]			
48	Marrangaroo Training Area	Reserve Road, Marrangaroo	Economic	Infrastructure	Community Education	55	Undertake Defence Community Education		Defence			[2021]	[2122]	[2223]	[2324]	[2425]	
					Hazard Reduction	39	Inspect and Maintain SFAZ as Required		RFS		[2021]	[2122]	[2223]	[2324]	[2425]		
						49	Undertake hazard reduction (burning & mechanical)	All activity in accordance with MARRTA BMP 2014 - 2018	Defence		[2021]	[2122]	[2223]	[2324]	[2425]		
					Ignition Management	50	Restrict Military Exercises During TOBAN		Defence		[2021]	[2122]	[2223]	[2324]	[2425]		
Preparedness	51	Inspect and Maintain Fire Trails. Liaise with RFS		Defence		[2021]	[2122]	[2223]	[2324]	[2425]							

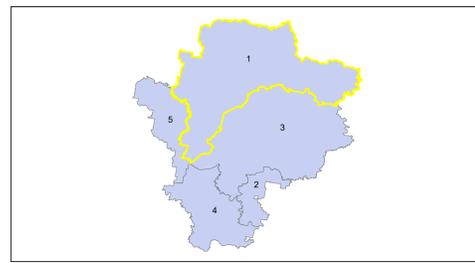
Lithgow BFM Bush Fire Risk Management Plan 2020

North - Map Display Area Map 1 of 5

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- 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.

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- using the Local Environment Plans (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 S2 Operations Coordination Plan;
- fire management plans or plans of management; and
- bush fire hazard complaints.

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 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 undervalued 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 spread and intensity of bush fires, and reduce the potential for spot fire development.	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 dependent upon: - 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 dependent on size of fire sensitive area requiring protection.

Assets

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

Bush Fire Management Zones

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

Base Data Layers

	Major Roads Sealed		Drainage Perennial
	Major Roads Unsealed		Drainage Non Perennial
	Secondary Road Sealed		Hydro-Line Perennial
	Local Road Sealed		Hydro-Line Non Perennial
	Local Road Unsealed		Contour (100m)
	Local Road Unspecified		Contour (50m)
	4WD Track Unspecified		Map Display Area
	Path		Local Government Area
	Heavy Rail		Crown Land
	Light Rail		State Forests
	Heavy Rail Siding		National Park

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Lithgow BFM Bush Fire Risk Management Plan 2020

East - Map Display Area Map 2 of 5

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 - requiring permits during bush fire danger periods
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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 S2 Operations Coordination Plan;
 - fire management plans or plans of management; and
 - bush fire hazard complaints.

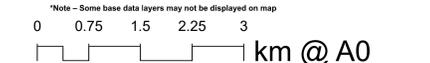
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Land Management Zone	To meet relevant land management objectives in areas where APZs or SFAZs are not appropriate.	To reduce the likelihood of spread of fires. To undertake mosaic burning	As appropriate to achieve land management e.g. heritage and/or fire protection e.g. broad scale mosaic burning objectives.
Fire Exclusion Zone	To exclude bush fires.	N/A	Variable dependent on size of fire sensitive area requiring protection.

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

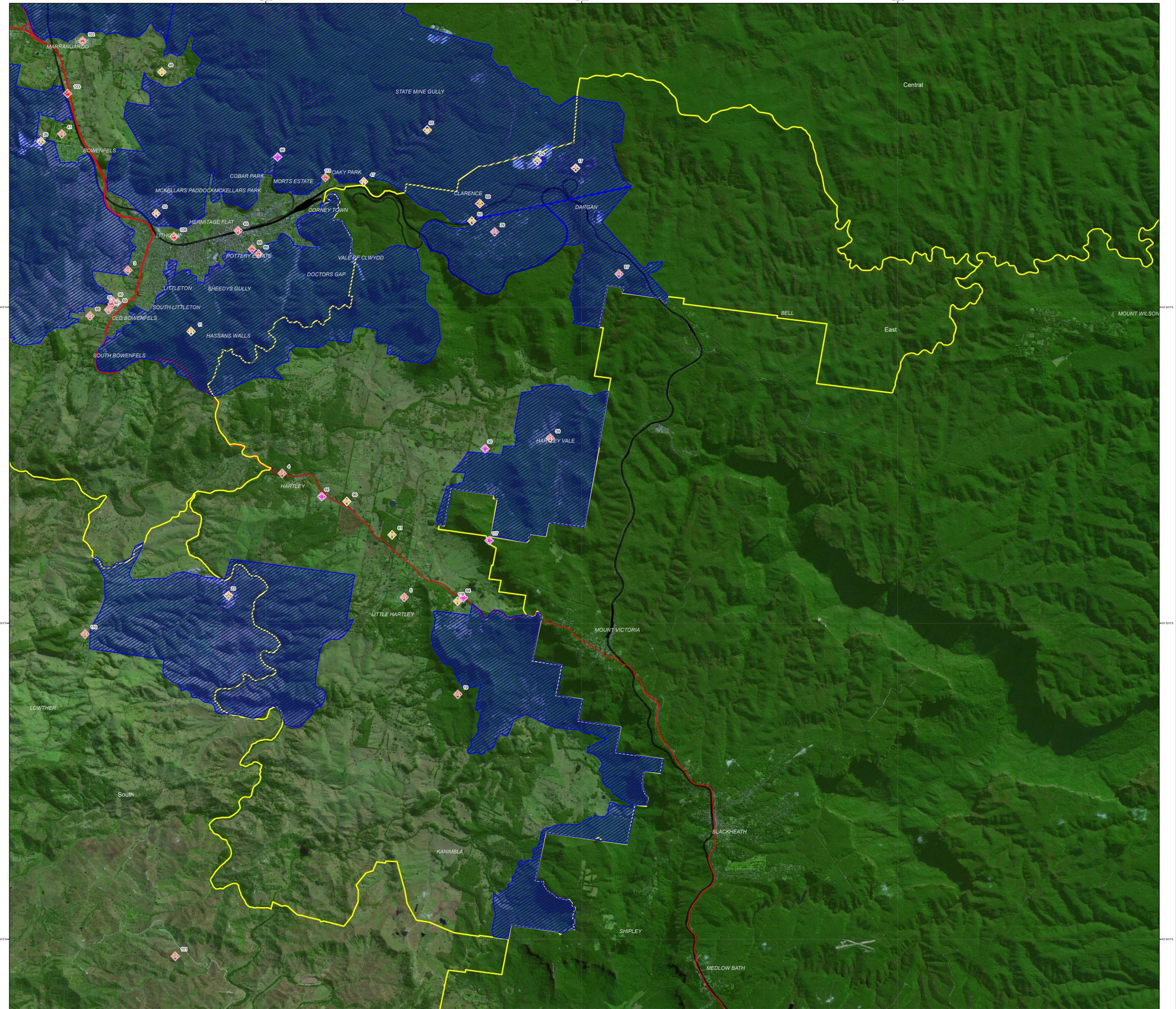
- Bush Fire Management Zones**
- Fire Exclusion Zone (FEZ)
 - Asset Protection Zone (APZ)
 - Land Management Zone (LMZ)
 - Strategic Fire Advantage Zone (SFAZ)

- Base Data Layers**
- Major Roads Sealed
 - Major Roads Unsealed
 - Secondary Road Sealed
 - Secondary Road Unsealed
 - Local Road Sealed
 - Local Road Unsealed
 - Local Road Unspecified
 - 4WD Track Unspecified
 - Path
 - Heavy Rail
 - Light Rail
 - Heavy Rail Siding
 - Drainage Perennial
 - Drainage Non Perennial
 - Hydro-Line Perennial
 - Hydro-Line Non Perennial
 - Contour (100m)
 - Contour (50m)
 - Map Display Area
 - Local Government Area
 - Crown Land
 - State Forests
 - National Park



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Lithgow BFM Bush Fire Risk Management Plan 2020

Central - Map Display Area Map 3 of 5

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 - investigation of bush fire cause;
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 - preparation of a S2 Operations Coordination Plan;
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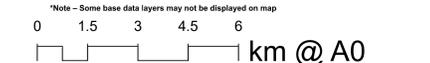
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- Bush Fire Management Zones**
- Fire Exclusion Zone (FEZ)
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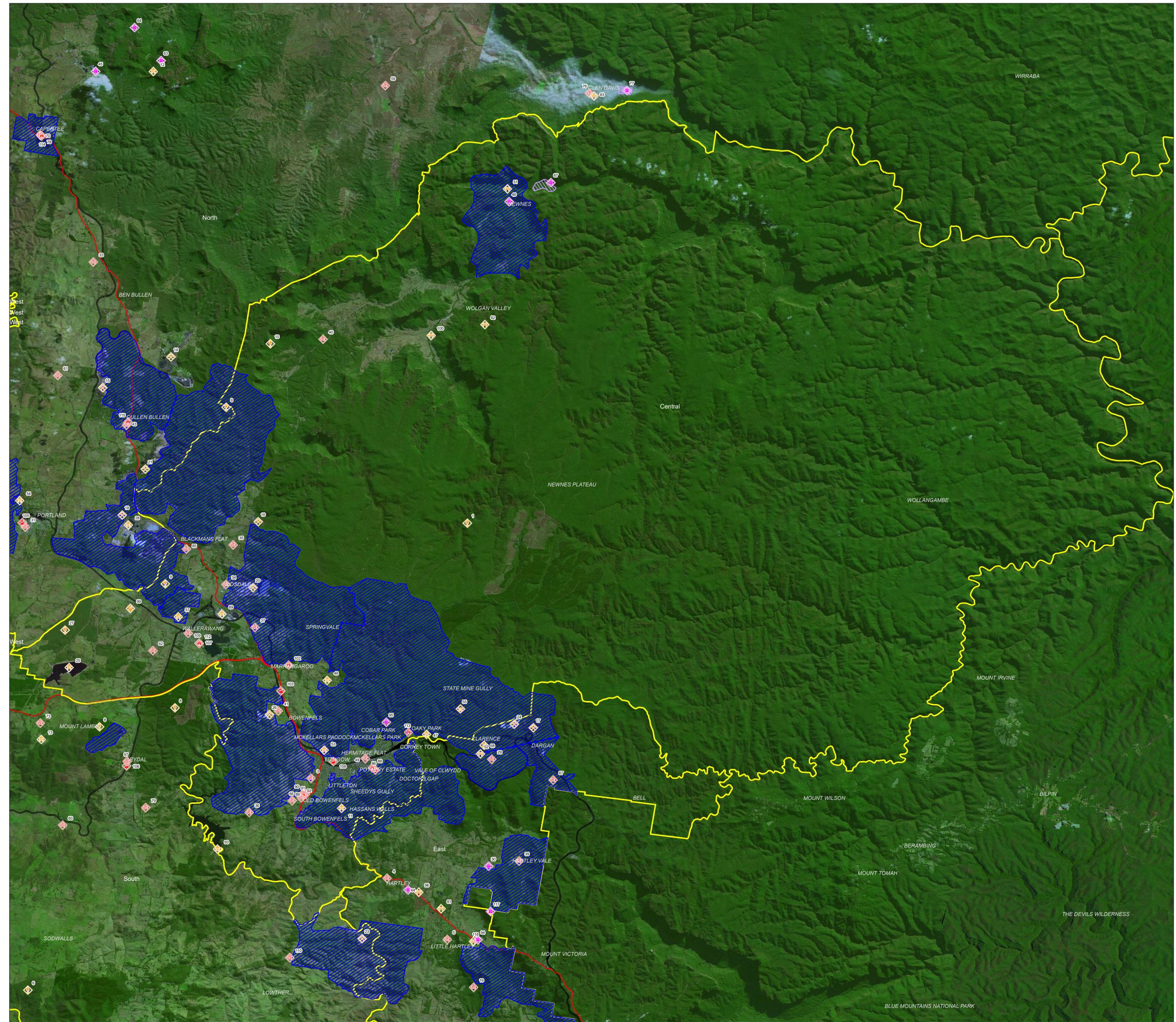
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Lithgow BFM Bush Fire Risk Management Plan 2020

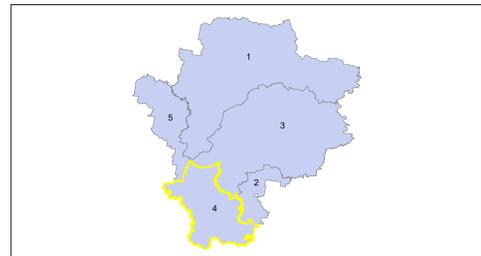
South - Map Display Area Map 4 of 5

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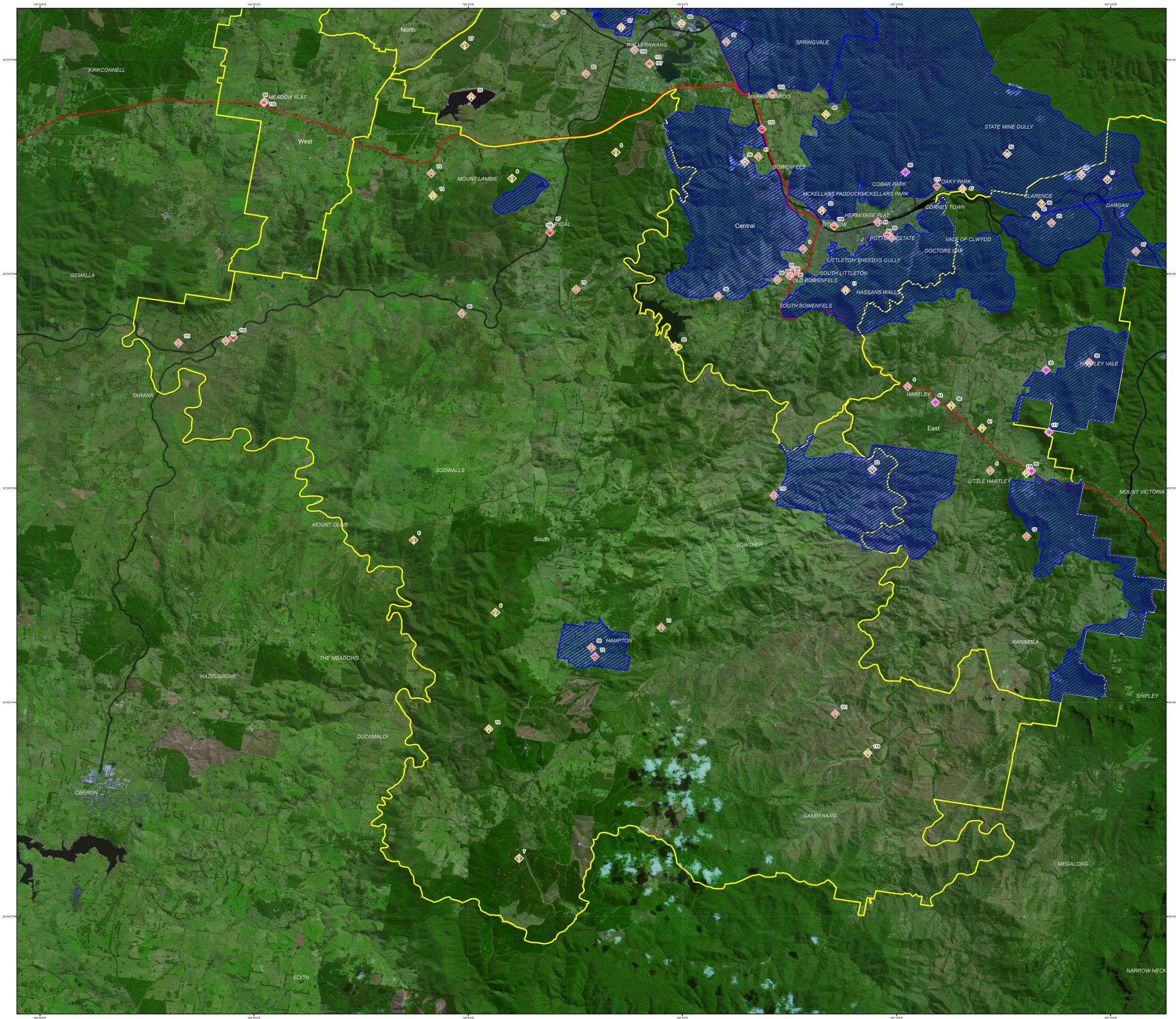
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Lithgow BFM Bush Fire Risk Management Plan 2020

West - Map Display Area Map 5 of 5

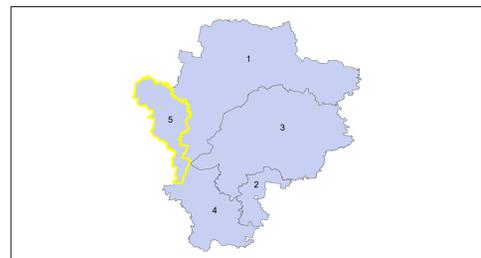
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Zone	Purpose	Suppression Objective(s)	Zone characteristics
Asset Protection Zone	To protect human life, property and highly valued public assets and values.	To enable the safe use of Direct Attack suppression strategies within the zone. To minimise bush fire impacts on undervalued 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 fires, and reduce the potential for spot fire development. To aid containment of wildfires to existing land 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 dependent upon: - Topography - Aspect - Spotting propensity - Location of adjacent freeways - 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 AFZs 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 dependent on size of fire sensitive area requiring protection.

Assets	Suppression Objectives	Zone Characteristics
Human - Residential	Commercial Forests	Environmental - Locally Important
Human - Other	Drinking Water Catchments	Environmental - Vulnerable
Social Fire Protection	Environmental - Locally Important	Environmental - Endangered (Species)
Economic - Agricultural	Environmental - Vulnerable	Environmental - Endangered (Geological)
Economic - Commercial	Environmental - Vulnerable	Cultural - Geological Heritage
Economic - Infrastructure	Environmental - Endangered (Species)	Cultural - Other
Economic - Tourism and Recreational	Cultural - Geological Heritage	Cultural - Non Indigenous
Economic - Mines	Cultural - Other	

Bush Fire Management Zones	Suppression Objectives	Zone Characteristics
Fire Exclusion Zone (FEZ)	Land Management Zone (LMZ)	Strategic Fire Advantage Zone (SFAZ)
Asset Protection Zone (APZ)		

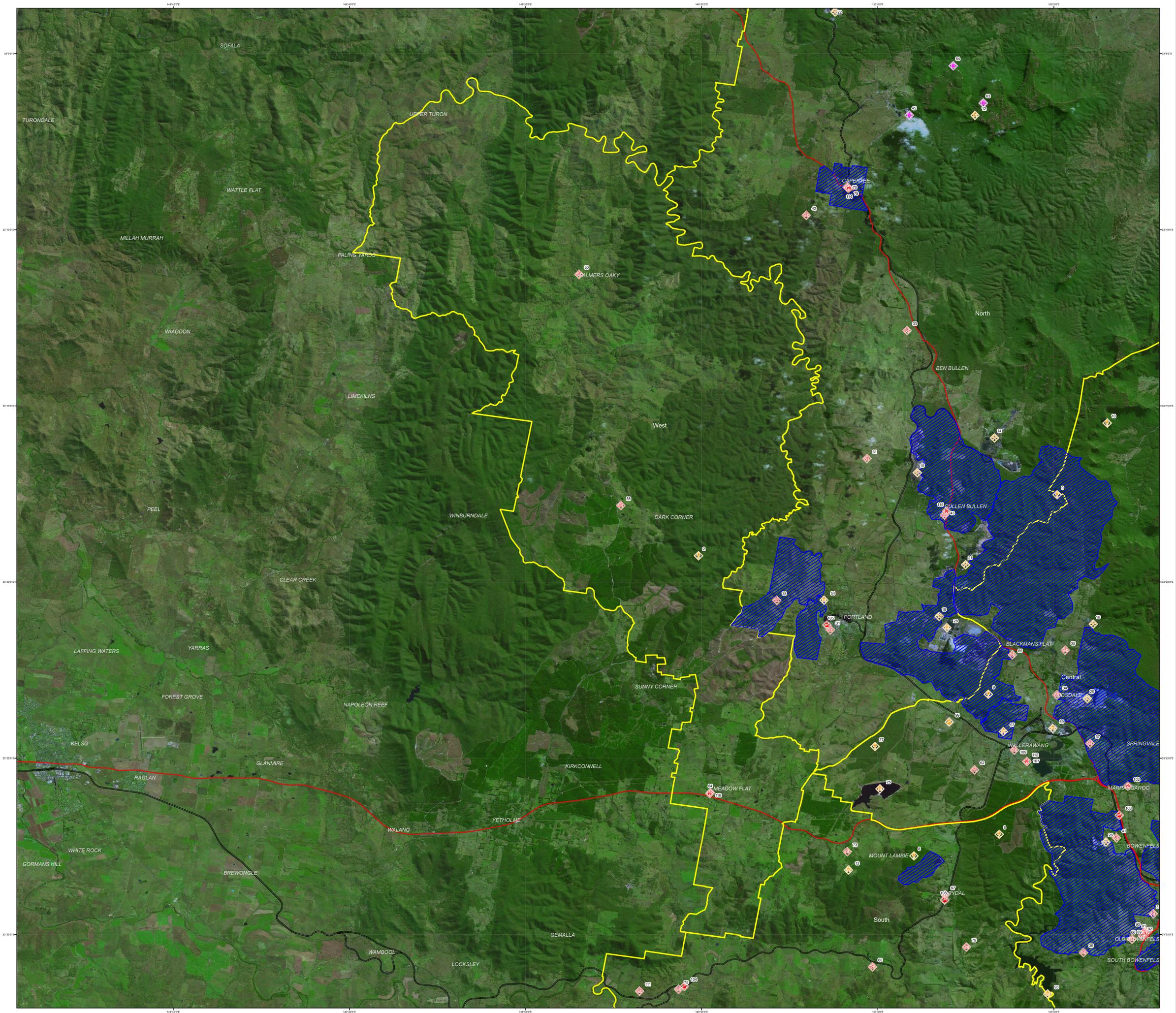
Base Data Layers	Suppression Objectives	Zone Characteristics
Major Roads Sealed	Drainage Potential	Map Display Area
Major Roads Unsealed	Drainage Non Potential	Local Government Area
Secondary Road Sealed	Hydro-Line Potential	Crown Land
Secondary Road Unsealed	Hydro-Line Non Potential	State Forests
Local Road Sealed	Contour (100m)	National Park
Local Road Unsealed	Contour (150m)	
Local Road Unspecified	Contour (200m)	
4WD Track Unspecified	Map Display Area	
Path	Local Government Area	
Heavy Rail	Crown Land	
Light Rail	State Forests	
Heavy Rail Siding	National Park	

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

Disclaimer
The Lithgow BFM makes every effort to ensure the quality of the information available on this map. Before relying on the information on this map, users should carefully evaluate its accuracy, completeness and relevance for their purposes, and should obtain any appropriate professional advice relevant to their particular circumstances.

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Appendix 5: Neighbourhood Safer Places

Site	Type	Location	Suburb
Capertee Public School	Building	Castlereagh Highway	Capertee
Glen Alice Public School	Building	Jamison Street	Glen Alice
Tony Luchetti Sportsground	Open Space	Barton Street	Lithgow
Marrangaroo RFS Station	Building	501 Great Western Highway	Marrangaroo
Kremer Park	Open Space	Cnr of Lime Street and Villiers Street	Portland
Rydal Railway Station	Open Space	Bathurst Street	Rydal
Tarana RFS Station	Building	Cnr of Sodwalls Road and Diamond Swamp Road	Tarana
Wallerawang Public School	Building	Barton Avenue	Wallerawang

Appendix Table 5.1 Neighbourhood Safer Places

Note:

Neighbourhood Safer Places are subject to annual audit which may add/remove locations from this list. Please see NSW Rural Fire Service website for the current location list.

<https://www.rfs.nsw.gov.au/plan-and-prepare/neighbourhood-safer-places>