

Liverpool Range Bush Fire Management Committee

Bush Fire Risk Management Plan

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

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

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

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

*The closing date for comments on this plan is: **3 August 2009***

Comments should be forwarded to:

Executive Officer

Liverpool Range Bush Fire Management Committee

PO Box 46

WILLOW TREE NSW 2339

Additional information or enquires on any aspect of the plan can be obtained from Liverpool Range Zone Fire Control Centre located at 26 New England Highway, Willow Tree NSW 2339 or by telephoning 1800 081 166.

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Authorisation

In accordance with Part 3 Division 4 of the Rural Fires Act 1997, this Draft Plan has been prepared by the Liverpool Range Bush Fire Management Committee and has been endorsed at the BFMC meeting on 17 September 2009 for submission to the Bush Fire Coordinating Committee.

Recommended



Errol Bates
Chairperson
Liverpool Range Bush Fire Management Committee

Approved



On behalf of the
NSW Bush Fire Coordinating Committee

Amendment List

Amendment		Entered	
Number	Date	Signature	Date

Glossary

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

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

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

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

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

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

Consequence: outcome or impact of a bush fire event.

Fire Fighting Authorities: the NSW Rural Fire Service, NSW Fire Brigades, the National Parks and Wildlife Service and Forests NSW.

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

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

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

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

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

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

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

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

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

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

Chapter 1. Introduction

1.1 Background

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

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

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

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

This BFRMP has been prepared by the Liverpool Range 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 Liverpool Range BFMC Area

1.3.1 Location and land tenure

The Liverpool Range BFMC area is located around 300 kilometres north nor-west of Sydney, New South Wales and includes the Local Government Areas of Upper Hunter, Liverpool Plains and Gunnedah.

The area covered by the Liverpool Range BFMC is 1,818,136 hectares and includes the land tenures outlined in Table 1.1.

Land Manager	% of BFMC area
National Parks & Wildlife Service	5
Forests NSW	3.3
Department of Lands	1.9
Local Government	0.2
Private	73.2
All other (not listed above)	16.4

Table 1.1 Land tenure

1.3.2 Climate and bush fire season

The typical / average climate in the Liverpool Range BFMC area is varied across the BFMC area, with warm to hot conditions prevalent across the central and western areas, and temperate to cold in the higher areas, predominantly in the east. The area typically has major summer rainfall from December to February and the bush fire season generally runs from October to the end of March.

Prevailing weather conditions associated with the bush fire season in the Liverpool Range BFMC area are strong south-westerly to north-westerly winds accompanied by high daytime temperatures and low relative humidity. Dry lightning storms are also frequent across the Liverpool Range BFMC area.

1.3.3 Population and demographic information

The population of the Liverpool Range BFMC area is approximately 35,000 people. The major population centres are Gunnedah, Quirindi, Scone, Merriwa and Murrurundi. The following issues have been identified within the Liverpool Range BFMC area as potentially impacting on the ability of certain sections of the community to prepare themselves for bush fire:

- Large numbers of absentee landowners in remote areas
- Ageing population, particularly in rural areas
- An increase in commuting workers leaving properties in pursuit of work due difficult conditions

1.3.4 History of bush fire frequency and ignition cause

The Liverpool Range BFMC area has on average 300 bush fires per year, of which around three on average can be considered to be major fires.

The main sources of ignition in the Liverpool Range BFMC area are:

- Thunderstorm activity, particularly dry electrical storms
- Escaped private burns
- Accidental ignition, particularly through agricultural practices
- Intentionally lit fires (arson), primarily around major population centres.

2.3 Identifying the Bush Fire Risk

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

2.3.1 Assets

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

The assets were divided into four asset types:

Human settlement

- Residential areas including urban bushland interface areas and rural properties;
- Special Fire Protection areas including schools, hospitals, nursing homes, and tourist facilities; and
- Other human settlement areas including commercial and industrial areas where distinct from major towns.

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 Liverpool Range BFMC area. See maps 1 to 4 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 Liverpool Range 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.

Economic

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

Environmental

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

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

Cultural

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

2.3.3 Assessing the Bush Fire Risk - Likelihood

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

2.3.4 Identifying the level of risk

The consequence and likelihood ratings were then used to identify the level of risk. See Appendix 2 for the risk ratings assigned to each asset identified in the Liverpool Range 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 higher priority works taking precedence, and the ability to achieve works within the life of this plan. Within the Liverpool Range BFMC area the level of acceptability is high. Areas of medium or low risk are likely to be managed by routine procedures and so do not require a specific application of resources.

Chapter 3. Treating the Risk

3.1 *Bush Fire Management Zones*

Bush Fire Management Zones were identified within the Liverpool Range BFMC area and mapped (see maps 1 – 4). 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).

Note: Some Asset Protection Zones (APZ) within the Liverpool Range BFMC area are not mapped.

Where Strategic Fire Advantage Zone (SFAZ) works are prescribed adjoining assets, Asset Protection Zone (APZ) works can be undertaken to complement the Strategic Fire Advantage Zone works.

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 dependant upon: <ul style="list-style-type: none"> • Topography • Aspect • Spotting propensity • Location of adjacent firebreaks • Mosaic pattern of treatment Assess Overall Fuel Hazard (OFH) once vegetation communities reach minimum fire thresholds within this plan. Management practices should aim to achieve mosaic fuel reduction patterns so that the majority of the SFAZ has an OFH of less than high.
Land Management Zone	To meet relevant land management objectives in areas where APZs or SFAZs are not appropriate.	As per the land management and fire protection objectives of the responsible land management agency. To reduce the likelihood of spread of fires. To undertake mosaic burning	As appropriate to achieve land management e.g. heritage and/or fire protection e.g. broad scale mosaic burning objectives.
Fire Exclusion Zone	To exclude bush fires.	N/A	Variable dependant on size of fire sensitive area requiring protection.

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

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

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

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.

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

- **Prosecution of arsonists/offenders**

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

- **Investigation of bush fire cause**

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

- **Normal fire suppression activities**

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

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

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

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

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

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

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

- **Bush Fire Hazard Complaints**

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

3.3 Asset Specific Treatments

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

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

Strategy	Targeted treatments used in the Liverpool Range BFMC area
Ignition Management	Implementing access restrictions to high risk areas
Hazard Reduction	Undertaking fuel management activities including mechanical, burning and chemical treatments
Community Education	Individual and broad-area education initiatives aimed at preparing communities
Property Planning	Implementing firefighting water sources in areas at risk of fire
Preparedness	Developing and improving fire trail networks to facilitate quick access to fires
Other	Monitoring and review on an ongoing basis.

Table 3.2 Asset specific treatments used in the Liverpool Range BFMC area

3.4 Fire Thresholds

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

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

Table 3.3 Fire Thresholds for Vegetation Categories

3.5 Annual Works Programs

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

3.6 Implementation

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

Local permit issuing/hazard reduction burning exclusion periods

In the Liverpool Range BFMC area the issuing of permits is not permitted during the period 20 December to 4 January annually, except in exceptional circumstances. Exceptional circumstances may include, but not be limited to the destruction of diseased carcasses or crops.

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 Liverpool Range BFMC will also review this plan as necessary to account for any changes in context or risk. This may be triggered by a range of circumstances, including but not limited to:

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

4.2 Monitoring

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

4.3 Reporting

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

4.4 Performance Measurements

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

Appendices

Appendix 1. Community Participation Strategy

Appendix 2. Asset Register

Appendix 3. Treatment Register

Appendix 4. Maps 1 - 4

- *Map 1 – North West*
- *Map 2 – North East*
- *Map 3 – South West*
- *Map 4 – South East*

Appendix 1: Liverpool Range Bush Fire Management Committee Community Participation Strategy

Date	Target Audience	Method of communication	Method of notification	Key messages/ purpose	Resources required	Responsibility
March – May 2008	RFS Volunteers	Pre-planned Volunteer Forums. Discussion	RFS Correspondence. Advertising in local media	<ul style="list-style-type: none"> • Introduce BFRMP • Capture key areas of concern 	Media Release Venue Maps Presenter / Facilitator	Andrew Luke & Stephen Raymond RFS
01/05/08	RFS Senior Management Forum	Pre-planned meeting. Presentation & discussion	RFS Correspondence	<ul style="list-style-type: none"> • Identify key areas of concern (follow up) • Request support of RFS Volunteers in collation of data 	Risk Register Presenter Maps	Andrew Luke RFS
June 2008	General Public Locations: <ul style="list-style-type: none"> • Cassilis (4/6) • Merriwa (5/6) • Scone (11/6) • Moonan Flat (12/6) • Willow Tree (17/6) • Caroona (18/6) • Tambar Springs (25/6) • Gunnedah (26/6) 	Planned meeting (Community Kiosk)	<p>Local media advertising. Radio interviews and Newspaper articles</p> <p>Flyer drop in Cassilis mailboxes (limited media coverage)</p> <p>Poster notice Tambar Springs (limited media coverage)</p>	<ul style="list-style-type: none"> • Introduce BFRMP • Local Community Issues • Asset Assessment • Identify treatment options • Resident responsibilities 	Media release Venue Facilitators PowerPoint Presentation Risk Register Maps Printed Flyers	Andrew Luke & Stephen Raymond RFS Dave Brown, David Crust, Mark Fosdick NPWS.
21/07/08	National Farmers	Pre-planned meeting	Letter to group	<ul style="list-style-type: none"> • Introduce BFRMP • Local Community 	Facilitator Maps	Andrew Luke RFS

	Group - Cassilis			Issues <ul style="list-style-type: none"> • Asset Assessment • Identify treatment options • Resident responsibilities 	Venue	
December 2008	BFMC Members and Parent Agencies	Pre-planned meeting, Presentation, open discussion, maps	BFMC Correspondence	<ul style="list-style-type: none"> • Assess initial DRAFT plan • Provide additional input prior to public exhibition 	Risk Register Presenter Maps	Andrew Luke RFS BFMC Representatives
11/06/09	BFMC Members	Pre planned meeting, presentation, open discussion, maps	BFMC Correspondence	<ul style="list-style-type: none"> • Presentation of Draft Plan as being Public Exhibited 	Draft Plan Maps	Andrew Luke RFS BFMC Representatives
15/06/09 – 03/08/09	Public Exhibition	Static Display	Media	<ul style="list-style-type: none"> • Exhibition of Draft Plan as adopted by the BFMC 	Draft Plan Maps	Andrew Luke RFS
September 09	BFMC Members and Parent Agencies	Pre Planned meeting, Presentation, open discussion, maps	BFMC correspondence, agenda	<ul style="list-style-type: none"> • Endorsement of plan as amended through public exhibition 	Draft Plan Maps	Andrew Luke RFS BFMC Representatives
Ongoing	General Public	Contact number (RFS Free-call)	Number advertised in local papers and correspondence	<ul style="list-style-type: none"> • Maintain community participation • Record, and consider issues, comments and suggestions, implement where appropriate. • Provide feedback on process / progress 	BFMC Representative Landline number (RFS Free call 1800 081 166)	Stephen Raymond RFS Andrew Luke RFS Ros ten Brink RFS BFMC Members

Appendix 2

Asset

Register

Map reference number	Asset type	Asset sub type	Asset name	Asset Location	LGA	Display area	Likelihood	Consequence	Risk	Priority	Treatment number
3	Human Settlement	Residential	Cullingral Road Isolated Properties	Southern End Cullingral Road	Upper Hunter	South-West	Likely	Catastrophic	Extreme	1B	16;11;30
6	Human Settlement	Residential	Murrurundi Township	Murrurundi	Upper Hunter	South-East	Likely	Catastrophic	Extreme	1B	9;13;23;39
2	Human Settlement	Residential	Isolated Dwellings - Barrington	Hunter Springs, Moonan Brook, Stewarts Brook & Rouchel Brigade Areas	Upper Hunter	South-East	Likely	Catastrophic	Extreme	1B	6;12;33;34;35;36;37;38
7	Human Settlement	Residential	Quirindi Township	Quirindi	Liverpool Plains	North-East	Likely	Catastrophic	Extreme	1B	10;24;25
8	Human Settlement	Residential	Black Jack Village Area	Gunnedah	Gunnedah	North-West	Likely	Catastrophic	Extreme	1B	4;7;18;26;27
1	Human Settlement	Residential	Isolated Properties - Pilliga Interface	Willala, Mullalley, Tambar Springs, Premer/Bundella Brigade Areas	Gunnedah	North-West	Almost certain	Catastrophic	Extreme	1A	1;2;3
10	Human Settlement	Residential	Karanilla Properties	Karanilla Road, Quipolly	Liverpool Plains	North-East	Likely	Catastrophic	Extreme	1B	28;19
5	Human Settlement	Residential	Premer Township	Premer	Liverpool Plains	North-West	Likely	Catastrophic	Extreme	1B	8;14;20;21;40
4	Human Settlement	Residential	Colly Blue Township	Colly Blue	Liverpool Plains	North-West	Likely	Catastrophic	Extreme	1B	22;28
14	Human Settlement	Residential	Flags / Worondi Creek Roads	Flags Road and Worondi Creek Road, Gungal	Upper Hunter	South-West	Likely	Catastrophic	Extreme	1B	6;31;15
9	Human Settlement	Special Fire Protection	Quirindi Hospital	Nowland St, Quirindi	Liverpool Plains	North-East	Likely	Catastrophic	Extreme	1B	5;17;29
18	Economic	Infrastructure	Porcupine Communications Facility	Porcupine Lookout	Gunnedah	North-West	Almost certain	Major	Extreme	1C	43
15	Economic	Infrastructure	Mt Helen Radio Site	Mt Helen	Liverpool Plains	North-East	Almost certain	Major	Extreme	1C	42
16	Environment	Vulnerable	Threatened Flora	Barrington Tops National Park	Upper Hunter	South-East	Almost certain	Major	Extreme	1C	41
17	Environment	Vulnerable	Threatened Flora	Barrington Tops National Park	Upper Hunter	South-East	Almost certain	Major	Extreme	1C	41
12	Cultural	Aboriginal Significance	Aboriginal Site	Various	Gunnedah	North-East; North-West; South-East; South-West	Likely	Catastrophic	Extreme	1B	32
13	Cultural	Aboriginal Significance	Aboriginal Site		Gunnedah	North-West	Likely	Catastrophic	Extreme	1B	32
11	Cultural	Aboriginal Significance	Aboriginal Site		Upper Hunter	South-East	Likely	Catastrophic	Extreme	1B	32
24	Human Settlement	Residential	Tambar Springs Township	Tambar Springs	Gunnedah	North-West	Likely	Major	Very High	2A	45;14;59
25	Human Settlement	Residential	Blandford Township	Blandford	Upper Hunter	South-East	Likely	Major	Very High	2A	60;61
23	Human Settlement	Residential	Curlewis Township	Curlewis	Gunnedah	North-West	Likely	Major	Very High	2A	58;2
20	Human Settlement	Residential	Isolated Properties - Goulburn River Interface	Cassilis, Collaroy, Settlement, Killoe, Merriwa River & Worondi Brigade Areas.	Upper Hunter	South-West	Likely	Major	Very High	2A	51;62;6;44;75
29	Human Settlement	Residential	Breeza Township	Breeza	Gunnedah	North-West	Likely	Major	Very High	2A	63;64;65
22	Human Settlement	Residential	Isolated Properties - Valences Arm	Valences Arm Fire Trail - between Death Adder and Cullingral Rd, Goulburn River NP	Upper Hunter	South-West	Likely	Major	Very High	2A	6
31	Human Settlement	Residential	Dry Creek/Middle Brook Creek Community	Small acreage, Dry Creek Road	Upper Hunter	South-East	Likely	Major	Very High	2A	6;66;74;76
19	Human Settlement	Residential	Isolated Properties - Coolah Tops Sth Interface	Cassilis, Collaroy, Idaville & Gummun Brigade Areas	Upper Hunter	South-West	Likely	Major	Very High	2A	6;73
33	Human Settlement	Residential	Clifton Hill Estate	Between Bunnan and Scone	Upper Hunter	South-East	Likely	Major	Very High	2A	67
26	Human Settlement	Residential	Currabubula Township	Currabubula	Liverpool Plains	North-East	Likely	Major	Very High	2A	46;28
32	Human Settlement	Residential	Trig Point Estate	Glenbawn Road	Upper Hunter	South-East	Likely	Major	Very High	2A	6
27	Human Settlement	Residential	Caroona Township	Caroona	Liverpool Plains	North-East	Likely	Major	Very High	2A	54
28	Human Settlement	Residential	Spring Ridge Township	Spring Ridge	Liverpool Plains	North-West	Likely	Major	Very High	2A	55
54	Human Settlement	Residential	Gungal Township	Gungal	Upper Hunter	South-West	Almost certain	Moderate	Very High	2C	77;6
21	Human Settlement	Residential	Borambil Township	Borambil	Upper Hunter	South-West	Likely	Major	Very High	2A	56;57
52	Human Settlement	Residential	Carroll Township	Carroll	Gunnedah	North-East	Almost certain	Moderate	Very High	2C	79;81
53	Human Settlement	Residential	Moonan Flat Township	Moonan Flat	Upper Hunter	South-East	Almost certain	Moderate	Very High	2C	78;14;6;80
34	Human Settlement	Special Fire Protection	Gunnedah Nursing Home	2 Apex Road, Gunnedah	Gunnedah	North-West	Likely	Major	Very High	2A	68;69;70
51	Human Settlement	Special Fire Protection	Werris Creek Hospital	Eastern Side of Werris Creek	Liverpool Plains	North-East	Likely	Major	Very High	2A	50;71;72
50	Economic	Infrastructure	Merriwa Supply Powerlines	Gungal to Merriwa	Upper Hunter	South-West	Likely	Major	Very High	2A	48
30	Economic	Infrastructure	Avocado Road Towers	Avocado Road, Merriwa	Upper Hunter	South-West	Likely	Major	Very High	2A	47
55	Economic	Infrastructure	Woolooma Radio Site	Woolooma Mountain	Upper Hunter	South-East	Almost certain	Moderate	Very High	2C	82
37	Environment	Endangered	Threatened Fauna	Barrington Tops National Park	Upper Hunter	South-East	Likely	Major	Very High	2A	41;52
38	Environment	Endangered	Threatened Flora	Goulburn River National Park	Upper Hunter	South-West	Likely	Major	Very High	2A	41;52
36	Environment	Endangered	Threatened Fauna	Gunnedah	Gunnedah	North-West	Likely	Major	Very High	2A	52;53
35	Environment	Endangered	Threatened Fauna	Barrington Tops National Park	Upper Hunter	South-East	Likely	Major	Very High	2A	49;52
40	Environment	Endangered	Threatened Flora	Lake Keepit State Park	Gunnedah	North-East	Likely	Major	Very High	2A	41;52
39	Environment	Vulnerable	Threatened Flora	Pol Blue	Upper Hunter	South-East	Likely	Major	Very High	2A	41
41	Cultural	Aboriginal Significance	Aboriginal Site		Gunnedah	North-West	Likely	Major	Very High	2A	32
47	Cultural	Aboriginal Significance	Aboriginal Site		Liverpool Plains	North-West	Likely	Major	Very High	2A	32
46	Cultural	Aboriginal Significance	Aboriginal Site		Upper Hunter	South-East	Likely	Major	Very High	2A	32
45	Cultural	Aboriginal Significance	Aboriginal Site		Gunnedah	North-East	Likely	Major	Very High	2A	32
44	Cultural	Aboriginal Significance	Aboriginal Site		Gunnedah	North-West	Likely	Major	Very High	2A	32
42	Cultural	Aboriginal Significance	Aboriginal Site		Gunnedah	North-East	Likely	Major	Very High	2A	32
49	Cultural	Aboriginal Significance	Aboriginal Site		Upper Hunter	South-East	Likely	Major	Very High	2A	32

Map reference number	Asset type	Asset sub type	Asset name	Asset Location	LGA	Display area	Likelihood	Consequence	Risk	Priority	Treatment number
48	Cultural	Aboriginal Significance	Aboriginal Site		Upper Hunter	South-East	Likely	Major	Very High	2A	32
43	Cultural	Aboriginal Significance	Aboriginal Site		Upper Hunter	South-East	Likely	Major	Very High	2A	32
83	Human Settlement	Residential	Bolah Gap	Quirindi	Liverpool Plains	North-East	Unlikely	Catastrophic	High	3C	19
69	Human Settlement	Residential	Avard Estate	Gunnedah	Gunnedah	North-West	Likely	Moderate	High	3A	91
67	Human Settlement	Residential	Wingen Township	Wingen	Upper Hunter	South-East	Likely	Moderate	High	3A	6:90;89;106
81	Human Settlement	Residential	Isolated Properties - Towarri Interface North	Big Jacks/McDonalds, Warrah Creek & Willow Tree Brigade Areas	Liverpool Plains	North-East	Unlikely	Catastrophic	High	3C	19;112
82	Human Settlement	Residential	Isolated Properties - Towarri Interface South	Kars Springs/Bunnan, Thomthwaite, Wingen & Blandford Brigade Areas	Upper Hunter	South-East	Unlikely	Catastrophic	High	3C	6;110;111
80	Human Settlement	Residential	Isolated Properties - Crawney Interface	Timor, Ellerston & Glenrock Brigade Areas	Upper Hunter	South-East	Unlikely	Catastrophic	High	3C	6
0	Economic	Agricultural	Cropping Land	Across entire BFMC Area	Gunnedah	North-East; North-West; South-East; South-West	Likely	Moderate	High	3A	85
84	Economic	Commercial	Gunnedah Industrial Estate	Gunnedah	Gunnedah	North-West	Almost certain	Minor	High	3D	113;114;115
79	Economic	Infrastructure	Rail Infrastructure NW		Liverpool Plains	North-West	Possible	Major	High	3B	109
78	Economic	Infrastructure	Rail Infrastructure NE		Liverpool Plains	North-East	Possible	Major	High	3B	109
66	Economic	Infrastructure	Energy Australia Line - Gundy to Moonan Flat	Gundy - Bell Trees Hill - McDonalds Creek	Upper Hunter	South-East	Likely	Moderate	High	3A	48
57	Economic	Infrastructure	Kelvin Mountain Radio Site	Gunnedah	Gunnedah	North-West	Likely	Moderate	High	3A	99
77	Economic	Infrastructure	Rail Infrastructure SW		Upper Hunter	South-West	Possible	Major	High	3B	109
72	Economic	Infrastructure	Cassilis Communications Site	East of Cassilis	Upper Hunter	South-West	Likely	Moderate	High	3A	101
76	Economic	Infrastructure	Rail Infrastructure SE	Aberdeen to Murrurundi	Upper Hunter	South-East	Possible	Major	High	3B	109
74	Economic	Infrastructure	Mt Dangar Radio Site	Mount Dangar, southwest of Gungal	Upper Hunter	South-West	Likely	Moderate	High	3A	107
63	Economic	Infrastructure	Wappinguy Hill Radio Site	Wappinguy Hill	Upper Hunter	South-West	Likely	Moderate	High	3A	96
58	Economic	Infrastructure	Black Mountain Radio Site	Black Mountain, Parkville	Upper Hunter	South-East	Likely	Moderate	High	3A	86
60	Economic	Infrastructure	Mt Tamarang Radio Site	Mt Tamarang	Liverpool Plains	North-West	Likely	Moderate	High	3A	93
61	Economic	Infrastructure	Coolah Tops Radio Site	Coolah Tops	Upper Hunter	South-West	Likely	Moderate	High	3A	94
75	Economic	Infrastructure	Central Ranges Gas Pipeline	Breeza, Carooa, Colly Blue, Tamarang	Liverpool Plains	North-East	Possible	Major	High	3B	108
64	Economic	Infrastructure	Glenrock Trng Radio Site	Glenrock, Pigna Barney	Upper Hunter	South-East	Likely	Moderate	High	3A	87
65	Economic	Infrastructure	Scone Communications	Scone Mountain	Upper Hunter	South-East	Likely	Moderate	High	3A	97
70	Economic	Infrastructure	East Bluff Radio Site	Off Hampshire Road, Merriwa	Upper Hunter	South-West	Likely	Moderate	High	3A	98
73	Economic	Infrastructure	Telstra Exchanges	BFMC Area	Gunnedah	North-East; North-West; South-East; South-West	Likely	Moderate	High	3A	105
59	Economic	Infrastructure	Ten Mile Radio Site	Ten Mile Mountain	Upper Hunter	South-West	Likely	Moderate	High	3A	92
62	Economic	Infrastructure	Black Jack Mountain Radio Site	Black Jack Mountain	Gunnedah	North-West	Likely	Moderate	High	3A	95
68	Economic	Tourist and Recreational	Lake Keepit State Rec.	Gunnedah	Gunnedah	North-East	Likely	Moderate	High	3A	83;84
56	Economic	Commercial Forest	Greenwood Plantation	Greenwood" Hunter Springs"	Upper Hunter	South-East	Likely	Moderate	High	3A	88
87	Human Settlement	Residential	Willala Township	Willala	Gunnedah	North-West	Unlikely	Major	Medium	4	
85	Human Settlement	Residential	Isolated Properties - Coolah Tops Nth	Premier/Bundella, Blackville & Cattle Creek Brigade Areas	Liverpool Plains	North-West	Unlikely	Major	Medium	4	
98	Human Settlement	Special Fire Protection	Cassilis School	Cassilis	Upper Hunter	South-West	Unlikely	Major	Medium	4	14;121
96	Human Settlement	Special Fire Protection	Murrurundi Hospital	Paradise Road, Murrurundi	Upper Hunter	South-East	Unlikely	Major	Medium	4	118;119
97	Human Settlement	Special Fire Protection	Murrurundi Nursing Home	Haydon St, Murrurundi	Upper Hunter	South-East	Unlikely	Major	Medium	4	120
0	Economic	Agricultural	Grazing Land	Across entire BFMC Area	Liverpool Plains	North-East; North-West; South-East; South-West	Likely	Minor	Medium	4	85
94	Economic	Commercial	Premier GrainCorp Silos		Liverpool Plains	North-West	Likely	Minor	Medium	4	
103	Economic	Infrastructure	Scone Sub-Station	Off New England Highway, Scone	Upper Hunter	South-East	Unlikely	Major	Medium	4	
95	Economic	Infrastructure	Moonan Mountain Radio Communications Site	Moonan Mountain, via Moonan Flat	Upper Hunter	South-East	Likely	Minor	Medium	4	
101	Economic	Infrastructure	Gunnedah Airport	North of Gunnedah	Gunnedah	North-East	Unlikely	Major	Medium	4	
92	Economic	Infrastructure	Rossgole Towers	Rossgole Road, Rossgole	Upper Hunter	South-East	Possible	Moderate	Medium	4	122
100	Economic	Infrastructure	Quirindi Airport		Liverpool Plains	North-East	Unlikely	Major	Medium	4	
99	Economic	Infrastructure	Scone Airport	Bunnan Road Scone	Upper Hunter	South-East	Unlikely	Major	Medium	4	
71	Economic	Infrastructure	LYNDEN Communications Tower	"Lynden" Property, Golden Highway, Merriwa	Upper Hunter	South-West	Likely	Moderate	Medium	3A	100
88	Economic	Infrastructure	Mt Soma Communications Site	Mt Soma, Werris Creek	Liverpool Plains	North-East	Unlikely	Major	Medium	4	116
86	Economic	Tourist and Recreational	Vietnam Veteran's Motor Cycle Club	Scott's Creek Road, Timor	Upper Hunter	South-East	Likely	Minor	Medium	4	117;12
104	Economic	Tourist and Recreational	Hidden Valley Lodge	Coulsons Creek Road, Merriwa	Upper Hunter	South-West	Likely	Minor	Medium	4	
89	Economic	Commercial Forest	Black Jack SF		Gunnedah	North-West	Likely	Minor	Medium	4	7
90	Economic	Commercial Forest	Doona SF		Gunnedah	North-East	Likely	Minor	Medium	4	123
91	Economic	Commercial Forest	Spring Ridge SF		Liverpool Plains	North-West	Likely	Minor	Medium	4	124

Map reference number	Asset type	Asset sub type	Asset name	Asset Location	LGA	Display area	Likelihood	Consequence	Risk	Priority	Treatment number
102	Economic	Commercial Forest	Invermein Hardwood Plantation	Clifflands Road, Scone	Upper Hunter	South-East	Unlikely	Major	Medium	4	
93	Environment	Endangered	Threatened Fauna		Upper Hunter	South-East	Unlikely	Major	Medium	4	49;52
147	Human Settlement	Residential	Merriwa Township		Upper Hunter	South-West	Unlikely	Moderate	Low	NA	
119	Human Settlement	Residential	Rouchel Township	Rouchel	Upper Hunter	South-East	Unlikely	Moderate	Low	NA	125
118	Human Settlement	Residential	East Aberdeen Subdivision	Aberdeen	Upper Hunter	South-East	Unlikely	Minor	Low	NA	
107	Human Settlement	Residential	Ardglen Village	Ardglen	Liverpool Plains	North-East	Unlikely	Moderate	Low	NA	
113	Human Settlement	Residential	Emerald Hill Township	Emerald Hill	Gunnedah	North-West	Unlikely	Moderate	Low	NA	
143	Human Settlement	Residential	Ellerston Station		Upper Hunter	South-East	Unlikely	Moderate	Low	NA	
106	Human Settlement	Residential	Werris Creek Township	Werris Creek	Liverpool Plains	North-East	Unlikely	Moderate	Low	NA	
129	Human Settlement	Residential	Bunnan Township	Bunnan	Upper Hunter	South-East	Unlikely	Moderate	Low	NA	
120	Human Settlement	Residential	Willow Tree Township	Willow Tree	Liverpool Plains	North-East	Unlikely	Moderate	Low	NA	
121	Human Settlement	Residential	Wallabadah Township	Wallabadah	Liverpool Plains	North-East	Unlikely	Moderate	Low	NA	
125	Human Settlement	Residential	Braefield Township	Braefield	Liverpool Plains	North-East	Unlikely	Moderate	Low	NA	
126	Human Settlement	Residential	Pine Ridge Township	Pine Ridge	Liverpool Plains	North-East	Unlikely	Moderate	Low	NA	
122	Human Settlement	Residential	Walhallow Settlement	Caroona	Liverpool Plains	North-East	Unlikely	Moderate	Low	NA	14
127	Human Settlement	Residential	Blackville Township	Blackville	Liverpool Plains	North-East	Unlikely	Moderate	Low	NA	14
117	Human Settlement	Residential	Mullaley Township	Mullaley	Gunnedah	North-West	Unlikely	Moderate	Low	NA	125
128	Human Settlement	Residential	Gundy Township	Gundy	Upper Hunter	South-East	Possible	Minor	Low	NA	
130	Human Settlement	Residential	Parkville Township	Parkville	Upper Hunter	South-East	Unlikely	Minor	Low	NA	
112	Human Settlement	Residential	Kelvin Township	Kelvin	Gunnedah	North-East	Unlikely	Minor	Low	NA	
131	Human Settlement	Residential	Cassilis Township	Cassilis	Upper Hunter	South-West	Unlikely	Moderate	Low	NA	
144	Human Settlement	Residential	Belltrees		Upper Hunter	South-East	Unlikely	Moderate	Low	NA	
163	Human Settlement	Special Fire Protection	Scone High School	Gundy Road, Scone	Upper Hunter	South-East	Unlikely	Moderate	Low	NA	126
0	Economic	Agricultural	Vineyards	Greater Scone Area & South of Merriwa	Upper Hunter	North-East; South-East; South-West	Unlikely	Moderate	Low	NA	
116	Economic	Agricultural	Caroona Feed Lot	Spring Ridge Road, Caroona	Liverpool Plains	North-East	Unlikely	Moderate	Low	NA	
0	Economic	Agricultural	Upper Hunter Horse Studs		Upper Hunter	South-East; South-West	Unlikely	Moderate	Low	NA	
148	Economic	Commercial	Spring Ridge Silos	Southern Side of Spring Ridge Rail Line	Liverpool Plains	North-West	Unlikely	Moderate	Low	NA	
115	Economic	Infrastructure	Kankool Weigh Station	New England Highway, Kankool	Liverpool Plains	North-East	Unlikely	Moderate	Low	NA	
114	Economic	Infrastructure	Who'd-A-Thought-It Radio Site	Ray Carter Drive, Quirindi	Liverpool Plains	North-East	Unlikely	Moderate	Low	NA	
0	Economic	Tourist and Recreational	Burning Mountain Visitor Infrastructure	Burning Mountain, New England Highway	Upper Hunter	South-East	Unlikely	Moderate	Low	NA	
0	Economic	Tourist and Recreational	Washpools Visitor Infrastructure	Towarri NP, Middlebrook Rd	Upper Hunter	South-East	Unlikely	Moderate	Low	NA	
140	Economic	Tourist and Recreational	Cassilis Park Rest Area	Golden Highway, West of Cassilis	Upper Hunter	South-West	Unlikely	Minor	Low	NA	
141	Economic	Tourist and Recreational	Battery Rock Rest Area	Battery Rock, Golden Highway, between Gungal and Merriwa	Upper Hunter	South-West	Unlikely	Minor	Low	NA	
142	Economic	Tourist and Recreational	Gungal Rest Area	Golden Highway, Gungal. Private Jackson Rest Area	Upper Hunter	South-West	Unlikely	Minor	Low	NA	
0	Economic	Tourist and Recreational	Goulburn River NP Visitor Infrastructure		Upper Hunter	South-West	Unlikely	Minor	Low	NA	
139	Economic	Tourist and Recreational	Glenbawn State Park Recreation Area	Lake Glenbawn	Upper Hunter	South-East	Unlikely	Moderate	Low	NA	
0	Economic	Tourist and Recreational	Barrington Tops Visitor Infrastructure	Barrington Tops NP	Upper Hunter	South-East	Unlikely	Moderate	Low	NA	
0	Economic	Tourist and Recreational	Coolah Tops NP Visitor Infrastructure		Upper Hunter	South-West	Unlikely	Minor	Low	NA	
132	Economic	Mines	Bickham Coal Mine	Bickham	Upper Hunter	South-East	Unlikely	Minor	Low	NA	
134	Economic	Commercial Forest	Vickery SF	Vickery SF	Gunnedah	North-West	Unlikely	Minor	Low	NA	
135	Economic	Commercial Forest	Goran SF		Gunnedah	North-West	Unlikely	Minor	Low	NA	
133	Economic	Commercial Forest	Kerringle State Forest		Gunnedah	North-West	Unlikely	Minor	Low	NA	
136	Economic	Commercial Forest	Breeza SF		Gunnedah	North-West	Unlikely	Minor	Low	NA	
137	Economic	Commercial Forest	Pine Ridge SF		Liverpool Plains	North-East	Unlikely	Minor	Low	NA	
138	Economic	Commercial Forest	Tongo SF		Upper Hunter	South-West	Unlikely	Minor	Low	NA	
145	Economic	Commercial Forest	Fairview Private Hardwood Plantation		Liverpool Plains	North-West	Unlikely	Moderate	Low	NA	
162	Economic	Commercial Forest	Warung State Forest	Coolah Tops	Liverpool Plains	North-East	Unlikely	Moderate	Low	NA	
124	Economic	Drinking Water Catchment	Glenbawn Dam	Glenbawn	Upper Hunter	South-East	Unlikely	Moderate	Low	NA	
123	Economic	Drinking Water Catchment	Quipolly Dam	Quipolly	Liverpool Plains	North-East	Unlikely	Moderate	Low	NA	
146	Economic	Drinking Water Catchment	Keepit Dam	Lake Keepit	Gunnedah	North-East	Unlikely	Moderate	Low	NA	
0	Cultural	Non Indigenous	Gates of Bando Homestead	Lot 17473 DP755, 17km south of Mullaley	Gunnedah	North-West	Unlikely	Minor	Low	NA	
161	Cultural	Non Indigenous	Whissonet Station	Timor	Upper Hunter	South-East	Unlikely	Moderate	Low	NA	
158	Cultural	Non Indigenous	Bloomfield	Blandford	Upper Hunter	South-East	Unlikely	Moderate	Low	NA	
160	Cultural	Non Indigenous	Timor Station	Crawney Road, Timor	Upper Hunter	South-East	Unlikely	Moderate	Low	NA	
157	Cultural	Non Indigenous	Harben Vale	East of Blandford	Upper Hunter	South-East	Unlikely	Moderate	Low	NA	

Map reference number	Asset type	Asset sub type	Asset name	Asset Location	LGA	Display area	Likelihood	Consequence	Risk	Priority	Treatment number
156	Cultural	Non Indigenous	Barsham	Warlands Road, Blandford	Upper Hunter	South-East	Unlikely	Moderate	Low	NA	
159	Cultural	Non Indigenous	Bickham Homestead & Woolshed	Between Blandford and Wingen	Upper Hunter	South-East	Unlikely	Moderate	Low	NA	
155	Cultural	Non Indigenous	Glenalvon	Murrurundi	Upper Hunter	South-East	Unlikely	Moderate	Low	NA	
0	Cultural	Non Indigenous	Russley and Gardens	Aberdeen	Upper Hunter	South-East	Unlikely	Minor	Low	NA	
0	Cultural	Non Indigenous	Cressfield	Parkville	Upper Hunter	South-East	Unlikely	Minor	Low	NA	
0	Cultural	Non Indigenous	Frogmore Woolshed, Main Tamworth Road	Lot 3, DP228675	Gunnedah	North-West	Unlikely	Moderate	Low	NA	
0	Cultural	Non Indigenous	Elmswood 1890	Gundy	Upper Hunter	South-East	Unlikely	Moderate	Low	NA	
0	Cultural	Non Indigenous	Glenrock Station	Ellerston	Upper Hunter	South-East	Unlikely	Moderate	Low	NA	
0	Cultural	Non Indigenous	Grampian Hills	Bunnan	Upper Hunter	South-East	Unlikely	Moderate	Low	NA	
108	Cultural	Non Indigenous	Invermein homestead	Scone	Upper Hunter	South-East	Unlikely	Moderate	Low	NA	
0	Cultural	Non Indigenous	Kelvinside Homestead and Outbuildings	Aberdeen	Upper Hunter	South-East	Unlikely	Moderate	Low	NA	
0	Cultural	Non Indigenous	Kelvinside Private Cemetery	Aberdeen	Upper Hunter	South-East	Unlikely	Moderate	Low	NA	
0	Cultural	Non Indigenous	Milgarra Station	Bunnan	Upper Hunter	South-East	Unlikely	Moderate	Low	NA	
154	Cultural	Non Indigenous	Warrah Station	Merriwa Road, Willow Tree	Liverpool Plains	North-East	Unlikely	Moderate	Low	NA	
0	Cultural	Non Indigenous	Rosevale	Rouchel	Upper Hunter	South-East	Unlikely	Moderate	Low	NA	
0	Cultural	Non Indigenous	Cliffdale	Parkville	Upper Hunter	South-East	Unlikely	Minor	Low	NA	
0	Cultural	Non Indigenous	Satur	near Sledmere Stud, Scone	Upper Hunter	South-East	Unlikely	Moderate	Low	NA	
0	Cultural	Non Indigenous	Segenhoe homestead and outbuildings	Segenhoe	Upper Hunter	South-East	Unlikely	Moderate	Low	NA	
0	Cultural	Non Indigenous	St Aubins	Scone	Upper Hunter	South-East	Unlikely	Moderate	Low	NA	
0	Cultural	Non Indigenous	The Hawthornes	Sparkes Creek	Upper Hunter	South-East	Unlikely	Moderate	Low	NA	
0	Cultural	Non Indigenous	Thornthwaite homestead and outbuildings	Thornthwaite	Upper Hunter	South-East	Unlikely	Moderate	Low	NA	
0	Cultural	Non Indigenous	Timber house	Rouchel	Upper Hunter	South-East	Unlikely	Moderate	Low	NA	
0	Cultural	Non Indigenous	Turanville	Scone	Upper Hunter	South-East	Unlikely	Moderate	Low	NA	
0	Cultural	Non Indigenous	Yarrandi	Scone	Upper Hunter	South-East	Unlikely	Minor	Low	NA	
0	Cultural	Non Indigenous	Petrified stump	Moobi	Upper Hunter	South-East	Unlikely	Moderate	Low	NA	
0	Cultural	Non Indigenous	Nandowra	Scone	Upper Hunter	South-East	Unlikely	Moderate	Low	NA	
0	Cultural	Non Indigenous	Trelawney	Lot 2, DP 613545 329 Wondobah Rd	Gunnedah	North-West	Unlikely	Moderate	Low	NA	
153	Cultural	Non Indigenous	Glasston Station - Staging Post	Glasston Road, Willow Tree	Liverpool Plains	North-East	Unlikely	Moderate	Low	NA	
152	Cultural	Non Indigenous	Munmurra Road Woolshed	Kuloo Road, Cassilis	Upper Hunter	South-West	Unlikely	Moderate	Low	NA	
151	Cultural	Non Indigenous	Collaroy Station	Collaroy, Opposite Pembroke Road, Golden Highway	Upper Hunter	South-West	Unlikely	Moderate	Low	NA	
0	Cultural	Non Indigenous	Abbotsford	Wingen	Upper Hunter	South-East	Unlikely	Moderate	Low	NA	
0	Cultural	Non Indigenous	Allen Bridge	Sengenhoe	Upper Hunter	South-East	Unlikely	Moderate	Low	NA	
0	Cultural	Non Indigenous	Barry Station	Barry, Scone	Upper Hunter	South-East	Unlikely	Moderate	Low	NA	
0	Cultural	Non Indigenous	Bellevue 1862	Gundy	Upper Hunter	South-East	Unlikely	Moderate	Low	NA	
0	Cultural	Non Indigenous	Cuan Station	Bunnan	Upper Hunter	South-East	Unlikely	Moderate	Low	NA	
0	Cultural	Non Indigenous	Ruvigne	Lots 15 18 DP 75101	Gunnedah	North-West	Unlikely	Minor	Low	NA	
0	Cultural	Non Indigenous	Bundarraga	Bunnan	Upper Hunter	South-East	Unlikely	Minor	Low	NA	
150	Cultural	Non Indigenous	Farmhouse / Stone Cottage	Merriwa Road, Cassilis	Upper Hunter	South-West	Unlikely	Moderate	Low	NA	
149	Cultural	Non Indigenous	Dalkith	Liangollen Road, Cassilis	Upper Hunter	South-West	Unlikely	Moderate	Low	NA	
105	Cultural	Non Indigenous	Yarrowonga	Rotherwood Road, Cassilis	Upper Hunter	South-West	Unlikely	Moderate	Low	NA	
111	Cultural	Non Indigenous	Liangollen	Liangollen Road, Cassilis	Upper Hunter	South-West	Unlikely	Moderate	Low	NA	
110	Cultural	Non Indigenous	Teragong Homestead	Willow Tree Road, Merriwa	Upper Hunter	South-West	Unlikely	Moderate	Low	NA	
0	Cultural	Non Indigenous	Belltrees Homestead and Outbuildings	Belltrees	Upper Hunter	South-East	Unlikely	Minor	Low	NA	
0	Cultural	Non Indigenous	Breeza Station	Gunnedah	Gunnedah	North-West	Unlikely	Moderate	Low	NA	
0	Cultural	Non Indigenous	Walhallow Station	Caroona	Liverpool Plains	North-East	Unlikely	Moderate	Low	NA	
109	Cultural	Non Indigenous	Brindley Park Homestead	Willow Tree Road	Upper Hunter	South-West	Unlikely	Moderate	Low	NA	
0	Cultural	Non Indigenous	Warrah Station Outbuildings	Warrah Creek	Liverpool Plains	North-East	Unlikely	Moderate	Low	NA	
0	Cultural	Non Indigenous	Wallabadah Station	Wallabadah	Liverpool Plains	North-East	Unlikely	Minor	Low	NA	
0	Cultural	Non Indigenous	Pullaming	Lot 1, DP 601604	Gunnedah	North-West	Unlikely	Moderate	Low	NA	

Appendix 3

Treatment

Register

Treatment Ref No	Strategy	Priority	Action	Comment	Responsible Agency	Other Responsible Agency	Support Agency	Other Support Agency	Scheduled Action Date	Asset Ref Nos
1	Hazard Reduction	1A	Undertake HR Work along Road Verges	Slash Road Verge along Black Stump Way.	LGA				0910;1011;1112;1213;1314;1415;1516;1617;1718;1819	1
2	Community Education	1A	Conduct a FireWise Letter Box Drop	Targeted information drop to Gunnedah Shire residents.	RFS		LGA		1011;1314;1617	23;1
3	Hazard Reduction	1A	Inspect SFAZ & Maintain as Required	Inspect Pilliga East SFAZ and maintain as required. Treatments should aim to be consistent with the guidelines outlined in the current DECC Reserve Fire Management Strategy.	DECC		RFS			1
4	Hazard Reduction	1B	Inspect SFAZ and maintain as required	Inspect Black Jack Northern SFAZ to determine need for HR works. Maintain fuel loads to below 12t/ha.	DL		LGA;RFS		1011	8
5	Hazard Reduction	1B	Inspect APZ and maintain as required	Inspect Quirindi Hospital APZ to ensure fuel loads < 5t/ha.	NSWFB		LGA;RFS		0910;1011;1112;1213;1314;1415;1516;1617;1718;1819	9
6	Community Education	1B	Conduct a FireWise Letter Box Drop	Targeted information drop to Upper Hunter Shire residents.	RFS		LGA		0910;1213;1516;1819	2;20;22;31;19;32;67;54;53;82;80;14
7	Hazard Reduction	1B	Inspect SFAZ and maintain as required	Inspect Black Jack State Forest western SFAZ to determine need for HR works. Maintain fuel loads to below 12t/ha.	DPI		RFS		1011;1516	8;89
8	Hazard Reduction	1B	Inspect APZ and maintain as required	Inspect Premer APZ and maintain as required to maintain fuel loads below 5 tonnes per hectare.	RFS		DL;LGA		0910;1011;1112;1213;1314;1415;1516;1617;1718;1819	5
9	Hazard Reduction	1B	Inspect APZ and maintain as required	Inspect APZ and maintain as required to keep fuel loads below 5 tonnes per hectare.	NSWFB;RFS		DL;LGA		0910;1011;1112;1213;1314;1415;1516;1617;1718;1819	6
10	Hazard Reduction	1B	Inspect SFAZ and Maintain as required.	Inspect SFAZ to determine need for HR works. Maintain fuel loads to below 12t/ha.	RFS				1011	7
11	Hazard Reduction	1B	Inspect SFAZ and Maintain as Required	Inspect Cullingrall SFAZ to determine need for HR works. Maintain fuels to below 12t/ha.	RFS		LGA		0910;1314;1718	3
12	Preparedness	1B	Implement Static Water Supply Program	Promote Static Water Supply Program in Upper Hunter Shire.	RFS				910	2;86
13	Preparedness	1B	Undertake routine maintenance of fire trails	Routine maintenance of strategic fire trails.	LGA		RFS		0910;1112;1314;1516;1718	6
14	Community Education	1B	Conduct FireWise Presentation at School	FireWise Presentation to school students at Cassilis, Moonan Flat, Walhallow, Blackville, Tambar Springs and Premer Public Schools.	RFS				910	24;122;127;5;53;98
15	Community Education	1B	Conduct street meeting	Conduct street meeting at Gungah (Flags Road, Worondi Creek Road area).	RFS				0910;1213	14
16	Community Education	1B	Conduct street meeting	Conduct street meeting at Tunbridge Road Intersection (Cullingrall Road, Tunbridge Road).	RFS				1011;1314	3
17	Preparedness	1B	Mechanically maintain APZ	Maintain APZ to western side of Hospital compound. Inspect APZ and maintain fuel loads to below 5t/ha.	LGA		NSWFB;RFS		0910;1011;1112;1213;1314;1415;1516;1617;1718;1819	9
18	Hazard Reduction	1B	Inspect APZ and maintain as required.	Inspect Black Jack APZ to ensure fuel loads < 5t/ha.	DPI		RFS		0910;1011;1112;1213;1314;1415;1516;1617;1718;1819	8
19	Community Education	1B	Conduct a FireWise Letter Box Drop	Targeted information drop to Liverpool Plains Shire residents.	RFS		LGA		1112;1415;1718	83;10;81
20	Community Education	1B	Conduct a FireWise Presentation	Conduct a FireWise presentation at Premer oval.	RFS				1011	5
21	Hazard Reduction	1B	Inspect SFAZ and Maintain as required.	Inspect Premer SFAZ to determine need for HR works. Maintain fuel loads to below 12t/ha.	RFS				1011	5
22	Hazard Reduction	1B	Inspect SFAZ and Maintain as required.	Inspect Colly Blue SFAZ to determine need for HR works. Maintain fuel loads to below 12t/ha.	RFS				1011	4
23	Hazard Reduction	1B	Inspect SFAZ and Maintain as Required	Inspect Murrurundi SFAZ to determine need for HR works. Maintain fuels to below 12t/ha.	RFS		LGA		0910;1314;1718	6
24	Community Education	1B	Conduct street meeting	Conduct street meeting at Barnes Estate, Quirindi.	RFS				1011	7
25	Hazard Reduction	1B	Inspect APZ and maintain as required	Inspect Quirindi APZ and maintain as required to maintain fuel loads below 5 tonnes per hectare.	RFS		DL;LGA		0910;1011;1112;1213;1314;1415;1516;1617;1718;1819	7
26	Community Education	1B	Conduct street meeting	Conduct street meeting in Black Jack estate area.	RFS				1213	8
27	Hazard Reduction	1B	Inspect SFAZ and Maintain as Required	Inspect Black Jack North SFAZ to determine need for HR works. Inspect Black Jack West SFAZ to determine need for HR works. Maintain fuels to below 12t/ha.	RFS		LGA		0910;1314;1718	8
28	Preparedness	1B	Implement Static Water Supply Program	Promote Static Water Supply Program in Liverpool Plains Shire.	RFS				1011	10;26;4
29	Property Planning	1B	Develop emergency fire relocation plan	Identify Quirindi Hospital Emergency Fire Relocation Plan.	NSWFB		LGA		910	9
30	Hazard Reduction	1B	Inspect SFAZ & Maintain as Required	Inspect Cullingrall Road SFAZ and maintain as required. Treatments should aim to be consistent with the guidelines outlined in the current DECC Reserve Fire Management Strategy.	DECC		RFS			3
31	Hazard Reduction	1B	Inspect SFAZ & Maintain as Required	Inspect Flags Road SFAZ and maintain as required. Treatments should aim to be consistent with the guidelines outlined in the current DECC Reserve Fire Management Strategy.	DECC		RFS			14
32	Preparedness	1B	Implement AHIMS Management Conditions	Works/actions in the area are to comply with conditions listed in the Aboriginal Heritage Information Management System also refer to DECC Fire Management Plan if relevant for the tenure.	DL;LGA;DECC;NSWFB;RFS					41;47;46;45;44;42;12;49;13;48;11;43
33	Hazard Reduction	1B	Inspect SFAZ & Maintain as Required	Inspect Omadale Brook SFAZ and maintain as required. Treatments should aim to be consistent with the guidelines outlined in the current DECC Reserve Fire Management Strategy.	DECC		RFS			2
34	Hazard Reduction	1B	Inspect SFAZ & Maintain as Required	Inspect Malumia Range South SFAZ and maintain as required. Treatments should aim to be consistent with the guidelines outlined in the current DECC Reserve Fire Management Strategy.	DECC		RFS			2
35	Hazard Reduction	1B	Inspect SFAZ & Maintain as Required	Inspect Carters Brush SFAZ and maintain as required. Treatments should aim to be consistent with the guidelines outlined in the current DECC Reserve Fire Management Strategy.	DECC		RFS			2
36	Hazard Reduction	1B	Inspect SFAZ & Maintain as Required	Inspect Meehans Peak SFAZ and maintain as required. Treatments should aim to be consistent with the guidelines outlined in the current DECC Reserve Fire Management Strategy.	DECC		RFS			2

Treatment Ref No	Strategy	Priority	Action	Comment	Responsible Agency	Other Responsible Agency	Support Agency	Other Support Agency	Scheduled Action Date	Asset Ref Nos
37	Hazard Reduction	1B	Inspect SFAZ & Maintain as Required	Inspect Middle Ridge SFAZ and maintain as required. Treatments should aim to be consistent with the guidelines outlined in the current DECC Reserve Fire Management Strategy.	DECC		RFS			2
38	Hazard Reduction	1B	Inspect SFAZ & Maintain as Required	Inspect Horse Swamp SFAZ and maintain as required. Treatments should aim to be consistent with the guidelines outlined in the current DECC Reserve Fire Management Strategy.	DECC		RFS			2
39	Hazard Reduction	1B	Inspect SFAZ & Maintain as Required	Inspect Murrurundi Pass SFAZ and maintain as required. Treatments should aim to be consistent with the guidelines outlined in the current DECC Reserve Fire Management Strategy.	DECC		RFS			6
40	Hazard Reduction	1B	Inspect SFAZ & Maintain as Required	Inspect Trinke SFAZ and maintain as required. Treatments should aim to be consistent with the guidelines outlined in the current DECC Reserve Fire Management Strategy.	DECC		RFS			5
41	Other	1C	Restrict via environmental assessment	For hazard reduction and works operations apply appropriate environmental assessment for protection. No Fires.	DECC		RFS		0910;1011;1112;1213;1314;1415;1516;1617;1718;1819	37;38;40;39;16;17
42	Hazard Reduction	1C	Inspect APZ and maintain as required	Inspect annually and maintain fire break around Mt Helen Radio Site. Maintain fuel to below 5t/ha within asset compound.	LGA		RFS		0910;1011;1112;1213;1314	15
43	Hazard Reduction	1C	Inspect APZ and maintain as required	Inspect annually and maintain fire break around Porcupine Communications Facility. Maintain fuel to below 5t/ha within asset compound.	LGA		RFS		0910;1011;1112;1213;1314	18
44	Community Education	2A	Install FireWise signage along roads.	Install Roadside signage promoting fire awareness along Golden Highway between Gungal and Cassilis. Report all fires on 000."	RTA		LGA		1011	20
45	Preparedness	2A	Inspect and maintain Fire Trails	Inspect and undertake routine maintenance of Tambar Springs SFAZ Fire Trail when required.	LGA		DL;RFS		0910;1112;1314;1516	24
46	Hazard Reduction	2A	Inspect and maintain SFAZ along Powerline Corridor	Inspect SFAZ along Currabubula powerline corridor to determine need for HR works. Maintain fuels to below 12t/ha.	LGA		RFS;Other	Country Energy	1011	26
47	Hazard Reduction	2A	Inspect annually and maintain fire break	Inspect annually and maintain fire break around Avocado Road Towers. Maintain fuel to below 5t/ha within asset compound.	LGA		RFS		0910;1011;1112;1213;1314;1415;1516;1617;1718;1819	30
48	Hazard Reduction	2A	Manage fuel as per Vegetation Management Plan	As per vegetation management plan forming Energy Australia's network standards. Inspect lines/sites at least every 2 years. Bush fire patrol each year and audit contract vegetation works annually.	RFS				0910;1112;1415	66;50
49	Other	2A	Restrict via Environmental Assessment	For hazard reduction and works operations apply appropriate environmental assessment for protection. No fires within 100m of streams.	DECC				0910;1011;1112;1213;1314;1415;1516;1617;1718;1819	93;35
50	Hazard Reduction	2A	Inspect SFAZ and maintain as required	Inspect Werris Creek Hospital SFAZ to determine need for HR works. Maintain fuels to below 12t/ha.	RFS		DL;LGA		1011;1314	51
51	Hazard Reduction	2A	Undertake HR Work along Road Verges	Slash Road Verge along Cullingral Road from Golden Highway to Goulburn River National Park.	LGA				0910;1011;1112;1213;1314;1415;1516;1617;1718;1819	20
52	Other	2A	Restrict via Environmental Assessment	For hazard reduction activities the appropriate environmental assessment will provide guidance (biodiversity thresholds). No slashing, trittering or tree removal.	RFS				0910;1011;1112;1213;1314;1415;1516;1617;1718;1819	37;38;36;93;35;40
53	Other	2A	Restrict via Environmental Assessment	For hazard reduction works the appropriate approved environmental assessment will provide protection. No burning from 1 August to 31 March, and no more than once every 2 years.	DECC				0910;1011;1112;1213;1314;1415;1516;1617;1718;1819	36
54	Hazard Reduction	2A	Inspect SFAZ and maintain as required	Inspect Caroon SFAZ to determine need for HR works. Maintain fuel loads to below 12t/ha.	DL		LGA;RFS		1112	27
55	Hazard Reduction	2A	Inspect SFAZ and maintain as required	Inspect Spring Ridge South SFAZ to determine need for HR works. Inspect Spring Ridge West SFAZ to determine need for HR works. Inspect Spring Ridge East SFAZ to determine need for HR works. Maintain fuel loads to below 12t/ha.	RFS		DPI		1112	28
56	Community Education	2A	Conduct targeted community liaison activities	Individual door knock in Borambil with Property Preparedness information and follow-up.	RFS				910	21
57	Property Planning	2A	Implement Static Water Supply Program	Develop Static Water Supply Program in Borambil Village	RFS				1112	21
58	Hazard Reduction	2A	Inspect and Maintain SFAZ	Inspect and maintain Curlew South SFAZ. Inspect and maintain Curlew North SFAZ. Maintain fuel loads to below 12 t/ha	RFS		DL;LGA		1011	23
59	Hazard Reduction	2A	Inspect and maintain SFAZ	Inspect Tambar Springs West SFAZ to determine need for HR works. Maintain fuel loads to below 12t/ha.	RFS		DL;LGA		1011;1516	24
60	Hazard Reduction	2A	Inspect SFAZ and maintain as required	Inspect Blandford West SFAZ to determine need for HR works. Maintain fuel loads to below 12t/ha.	RFS				1011	25
61	Preparedness	2A	Identify alternate egress path	Identify alternate access/egress path for properties in South Blandford.	LGA				1112	25
62	Hazard Reduction	2A	Undertake HR Work along Road Verges	Slash Road Verge along Wollar / Ringwood Road from Golden Highway to Goulburn River National Park.	LGA				0910;1011;1112;1213;1314;1415;1516;1617;1718;1819	20
63	Hazard Reduction	2A	Inspect SFAZ and maintain as required	Inspect Breeza SFAZ to determine need for HR works. Maintain fuel loads to below 12t/ha.	DL		LGA;RFS		1011	29
64	Hazard Reduction	2A	Create APZ on western side of Breeza	Create fire break on western side of Breeza village.	LGA		DL;RFS		910	29
65	Hazard Reduction	2A	Inspect APZ and maintain as required	Inspect annually and maintain fire break on western side of Breeza village	LGA		DL;RFS		1011;1112;1213;1314;1415	29
66	Property Planning	2A	Implement Static Water Supply Program	Develop Static Water Supply Program in Dry Creek / Middle Brook areas	RFS				1112	31
67	Property Planning	2A	Implement Static Water Supply Program	Develop Static Water Supply program as Clifton Hill residential estate is established.	RFS				1213	33
68	Property Planning	2A	Develop emergency fire relocation plan	Identify Gunnedah Nursing Home Emergency Fire Relocation Plan.	NSWFB		LGA		910	34
69	Hazard Reduction	2A	Inspect APZ and maintain as required	Inspect and Maintain APZ in Wallaby Trap to East & South of Nursing home. Inspect APZ and maintain fuel loads to below 5t/ha.	LGA				0910;1011;1112;1213;1314;1415;1516;1617;1718;1819	34
70	Hazard Reduction	2A	Inspect SFAZ and maintain as required	Inspect Porcupine SFAZ to determine need for HR works. Maintain fuel loads to below 12t/ha.	RFS		DL;LGA		1011	34
71	Property Planning	2A	Develop emergency fire relocation plan	Identify Werris Creek Hospital Emergency Fire Relocation Plan.	NSWFB		LGA		1011	51

Treatment Ref No	Strategy	Priority	Action	Comment	Responsible Agency	Other Responsible Agency	Support Agency	Other Support Agency	Scheduled Action Date	Asset Ref Nos
72	Hazard Reduction	2A	Inspect APZ and maintain as required	Inspect and Maintain Werris Creek Hospital APZ to East & North of Nursing home. Inspect APZ and maintain fuel loads to below 5t/ha.	LGA		RFS		0910;1011;1112;1213;1314;1415;1516;1617;1718;1819	51
73	Hazard Reduction	2A	Inspect SFAZ & Maintain as Required	Inspect Coolah Tops SFAZ and maintain as required. Treatments should aim to be consistent with the guidelines outlined in the current DECC Reserve Fire Management Strategy.	DECC		RFS			19
74	Hazard Reduction	2A	Inspect SFAZ & Maintain as Required	Inspect Dry Creek SFAZ and maintain as required. Treatments should aim to be consistent with the guidelines outlined in the current DECC Reserve Fire Management Strategy.	DECC		RFS			31
75	Hazard Reduction	2A	Inspect SFAZ & Maintain as Required	Inspect Wollar Road SFAZ and maintain as required. Treatments should aim to be consistent with the guidelines outlined in the current DECC Reserve Fire Management Strategy.	DECC		RFS			20
76	Hazard Reduction	2A	Inspect SFAZ & Maintain as Required	Inspect Middlebrook SFAZ and maintain as required. Treatments should aim to be consistent with the guidelines outlined in the current DECC Reserve Fire Management Strategy.	DECC		RFS			31
77	Community Education	2C	Conduct targeted community liaison activities	Individual door knock in Gungal area with Property Preparedness information and follow-up.	RFS				1011	54
78	Hazard Reduction	2C	Implement and Maintain SFAZ	Inspect and maintain Moonan Flat SFAZ. Maintain fuel loads to below 12 t/ha	RFS		DL;LGA		1011	53
79	Preparedness	2C	Inspect and maintain lane-way access.	Inspect Carroll village lane-ways and maintain as required.	LGA				0910;1011;1112;1213;1314;1415	52
80	Property Planning	2C	Implement Static Water Supply Program	Develop Static Water Supply program in Moonan Flat	RFS				1213	53
81	Hazard Reduction	2C	Inspect SFAZ and maintain as required	Inspect Carroll SFAZ and maintain as required to ensure fuel loads < 12 tonnes per hectare.	LGA		RFS		1011	52
82	Hazard Reduction	2C	Inspect annually and maintain fire break	Inspect annually and maintain fire break around Woolooma Radio Site. Maintain fuel to below 5t/ha within asset compound.	LGA		RFS		0910;1011;1112;1213;1314;1415;1516;1617;1718;1819	55
83	Preparedness	3A	Undertake routine maintenance of Fire Trails	Undertake routine maintenance of fire trails in Keepit State Recreational Area.	DL		LGA;RFS		1112	68
84	Ignition Management	3A	Inspect and Replace Locks and Gates	Annual inspection of locks and gates into Lake Keepit lands. Replacement of damaged locks and gates as necessary to maintain access restrictions to protect area from ignitions.	DL				0910;1011;1112;1213;1314;1415	68
85	Community Education	3A	Issue of Bush Fire Safety Media Release	Media Release prior to fire season. Topics include Machinery Fire Safety, Hay Fire Safety, Fire Breaks. Topic dictated by seasonal conditions.	RFS				0910;1011;1112;1213;1314	0;0
86	Hazard Reduction	3A	Inspect and maintain fire break around asset	Inspect annually and maintain fire break around Black Mountain Radio Site. Maintain fuel loads to below 5 t/ha within asset compound.	LGA				0910;1011;1112;1213;1314;1415;1516	58
87	Hazard Reduction	3A	Inspect annually & maintain fire break around asset	Inspect annually and maintain fire break around Glenrock Trig Radio Site. Maintain fuel to below 5t/ha within asset compound.	RFS		LGA		0910;1011;1112;1213;1314;1415;1516	64
88	Property Planning	3A	Identify and Implement Plantation Protection Plan	Identify and implement plantation protection plan including the construction of trails and breaks within the boundaries of the plantation area.	RFS				1011	56
89	Hazard Reduction	3A	Inspect SFAZ and maintain as required	Inspect Wingen Maid SFAZ to determine need for Hazard Reduction works. Maintain fuels to below 12t/ha	RFS				1011	67
90	Hazard Reduction	3A	Inspect and maintain SFAZ along Powerline Corridor	Inspect SFAZ along Wingen powerline corridor to determine need for HR works. Maintain fuels to below 12t/ha.	LGA		RFS		1011	67
91	Hazard Reduction	3A	Inspect SFAZ and maintain as required	Inspect Avarad Estate SFAZ to determine need for HR works. Maintain fuel loads to below 12t/ha.	RFS		DL;LGA		1213	69
92	Hazard Reduction	3A	Inspect annually and maintain fire break	Inspect annually and maintain fire break around Ten Mile Radio Site. Maintain fuel to below 5t/ha within asset compound.	LGA		RFS		0910;1011;1112;1213;1314;1415;1516;1617;1718;1819	59
93	Hazard Reduction	3A	Inspect annually and maintain fire break	Inspect annually and maintain fire break around Mt Tamarang Radio Site. Maintain fuel to below 5t/ha within asset compound.	LGA		RFS		0910;1011;1112;1213;1314;1415;1516;1617;1718;1819	60
94	Hazard Reduction	3A	Inspect annually and maintain fire break	Inspect annually and maintain fire break around Coolah Tops Radio Site. Maintain fuel to below 5t/ha within asset compound.	LGA		RFS		0910;1011;1112;1213;1314;1415;1516;1617;1718;1819	61
95	Hazard Reduction	3A	Inspect annually and maintain fire break	Inspect annually and maintain fire break around Black Jack Mountain Radio Site. Maintain fuel to below 5t/ha within asset compound.	LGA		RFS		0910;1011;1112;1213;1314;1415;1516;1617;1718;1819	62
96	Hazard Reduction	3A	Inspect annually and maintain fire break	Inspect annually and maintain fire break around Wappinguy Hill Radio Site. Maintain fuel to below 5t/ha within asset compound.	LGA		RFS		0910;1011;1112;1213;1314;1415;1516;1617;1718;1819	63
97	Hazard Reduction	3A	Inspect annually and maintain fire break	Inspect annually and maintain fire break around Scone Communications Site. Maintain fuel to below 5t/ha within asset compound.	LGA		RFS		0910;1011;1112;1213;1314;1415;1516;1617;1718;1819	65
98	Hazard Reduction	3A	Inspect annually and maintain fire break	Inspect annually and maintain fire break around East Bluff Radio Site. Maintain fuel to below 5t/ha within asset compound.	LGA		RFS		0910;1011;1112;1213;1314;1415;1516;1617;1718;1819	70
99	Hazard Reduction	3A	Inspect annually and maintain fire break	Inspect annually and maintain fire break around Kelvin Mountain Radio Site. Maintain fuel to below 5t/ha within asset compound.	LGA		RFS		0910;1011;1112;1213;1314;1415;1516;1617;1718;1819	57
100	Hazard Reduction	3A	Inspect annually and maintain fire break	Inspect annually and maintain fire break around LYNDEN Communications Tower. Maintain fuel to below 5t/ha within asset compound.	LGA		RFS;Other	Telstra	0910;1011;1112;1213;1314;1415;1516;1617;1718;1819	71
101	Hazard Reduction	3A	Inspect annually and maintain fire break	Inspect annually and maintain fire break around Cassilis Communications Site. Maintain fuel to below 5t/ha within asset compound.	LGA		RFS		0910;1011;1112;1213;1314;1415;1516;1617;1718;1819	72
102	Community Education	3A	Install FireWise signage along roads.	Install Roadside signage promoting fire awareness along New England Highway between Aberdeen and Wallabadah Report all fires on 000."	RTA		LGA		1112	
103	Community Education	3A	Install FireWise signage along roads.	Install Roadside signage promoting fire awareness along Kamilaroi Highway between Willow Tree and Boggabri. Report all fires on 000."	RTA		LGA		1011	
104	Other	3A	Restrict via environmental assessment	For hazard reduction activities the appropriate environmental assessment will provide guidance (biodiversity thresholds).	Other	Liverpool Range BFMC			0910;1011;1112;1213;1314;1415;1516;1617;1718;1819	
105	Hazard Reduction	3A	Inspect and maintain fire break around asset	Inspect and maintain asset protection areas around Exchanges according to TELSTRA policies and procedures.	RFS					73
106	Hazard Reduction	3A	Inspect SFAZ & Maintain as Required	Inspect The Maid SFAZ and maintain as required. Treatments should aim to be consistent with the guidelines outlined in the current DECC Reserve Fire Management Strategy.	DECC		RFS			67
107	Hazard Reduction	3A	Inspect annually and maintain fire break	Inspect annually and maintain fire break around Mt Dangar Radio Site. Maintain fuel to below 5t/ha within asset compound.	DECC		RFS		0910;1011;1112;1213;1314;1415;1516;1617;1718;1819	74
108	Hazard Reduction	3B	Undertake general site maintenance annually	Mechanical and Chemical maintenance of vegetation within compound to protect from impact of bushfire in accordance with Jemena scheduled maintenance program.	RFS				0910;1011;1112;1213;1314;1415	75

Treatment Ref No	Strategy	Priority	Action	Comment	Responsible Agency	Other Responsible Agency	Support Agency	Other Support Agency	Scheduled Action Date	Asset Ref Nos
109	Hazard Reduction	3B	Implement ARTC Asset Management System (AMS)	Asset Management System of Railways, including, but not limited to: Vegetation Control, Weed Management, Slashing/Mowing, neighbouring private HR's on some easements where applicable.	ARTC				0910;1011;1112;1213;1314;1415;1516;1617;1718;1819	79;78;77;76
110	Hazard Reduction	3C	Inspect SFAZ & Maintain as Required	Inspect Tarrayarra SFAZ and maintain as required.Treatments should aim to be consistent with the guidelines outlined in the current DECC Reserve Fire Management Strategy.	DECC		RFS			82
111	Hazard Reduction	3C	Inspect SFAZ & Maintain as Required	Inspect Braeside SFAZ and maintain as required.Treatments should aim to be consistent with the guidelines outlined in the current DECC Reserve Fire Management Strategy.	DECC		RFS			82
112	Hazard Reduction	3C	Inspect SFAZ and maintain as required	Inspect Towarri North SFAZ and Towarri West SFAZ to determine need for HR works on NPWS and Private lands.Maintain fuel loads to below 12t/ha.	RFS		DECC:Private		1112	81
113	Hazard Reduction	3D	Inspect APZ and maintain as required	Inspect Gunnedah Industrial Estate / BMX track APZ to ensure fuel loads < 5t/ha.	LGA		NSWFB;RFS		0910;1011;1112;1213;1314;1415;1516;1617;1718;1819	84
114	Hazard Reduction	3D	Inspect SFAZ and maintain as required	Inspect Gunnedah Industrial Estate Northern SFAZ to determine need for HR works. Maintain fuel loads to below 12t/ha.	RFS		LGA;RFS		1213	84
115	Hazard Reduction	3D	Inspect SFAZ and maintain as required	Inspect Gunnedah Industrial Estate Southern SFAZ to determine need for HR works. Maintain fuel loads to below 12t/ha.	RFS		LGA;RFS		1213	84
116	Hazard Reduction	4	Inspect and maintain fire break around asset	Police, TV Stations, Ambulance, Inspect annually and maintain fuel to below 5t/ha within asset compound. Provide break around compound.	RFS		LGA		0910;1112;1314;1516	88
117	Property Planning	4	Identify Emergency Fire Relocation Plan	Identify Veteran's Motor Cycle Club Emergency Fire Relocation Plan.	RFS		LGA		1112	86
118	Property Planning	4	Develop emergency fire relocation plan	Identify Murrurundi Hospital Emergency Fire Relocation Plan.	NSWFB		LGA		1112	96
119	Hazard Reduction	4	Inspect APZ and maintain as required	Inspect Murrurundi Hospital APZ to ensure fuel loads < 5t/ha.	NSWFB		LGA;RFS		0910;1011;1112;1213;1314;1415;1516;1617;1718;1819	96
120	Property Planning	4	Develop emergency fire relocation plan	Identify Murrurundi Nursing Home Emergency Fire Relocation Plan.	NSWFB		LGA		1112	97
121	Property Planning	4	Develop emergency fire relocation plan	Identify Cassilis School Emergency Fire Relocation Plan.	RFS		LGA		1213	98
122	Hazard Reduction	4	Inspect annually and maintain fire break	Inspect annually and maintain fire break around Rossgole Towers. Maintain fuel to below 5t/ha within asset compound.	LGA		RFS		0910;1011;1112;1213;1314;1415;1516;1617;1718;1819	92
123	Preparedness	4	Inspect Fire Trails and maintain as required	Inspect Fire Trails and perform maintenance works as required for Doona State Forest Fire Trails.	DPI				0910;1112;1314	90
124	Preparedness	4	Inspect Fire Trails and maintain as required	Inspect Fire Trails and perform maintenance works as required for Spring Ridge State Forest Fire Trails.	DPI				0910;1112;1314	91
125	Community Education	NA	Conduct FireWise Presentation at School	FireWise Presentation to school students at Rouchel and Mullaley Pabic Schools.	RFS				1011	119;117
126	Property Planning	NA	Develop emergency fire relocation plan	Identify Scone High School Emergency Fire Relocation Plan.	NSWFB		LGA		1314	163

Appendix 4

Maps 1 – 4

Map 1. – North West

Map 2. – North East

Map 3. – South West

Map 4. – South East

