

Manly, Mosman, North Sydney
Bush Fire Management Committee

Bush Fire Risk Management Plan

Prepared by the Manly, Mosman, North Sydney 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:

21st April 2010

Comments should be forwarded to:

Executive Officer

Manly, Mosman, North Sydney Bush Fire Management Committee

99 Shirley Road

Crows Nest NSW 2065

Additional information or enquires on any aspect of the plan can be obtained from, The Executive Officer by email, MMNSBFMC@fire.nsw.gov.au or by telephoning (02) 9901 4746.

Table of Contents

<i>Chapter 1. Introduction</i>	8
1.1 Background	8
1.2 Aim and Objectives	8
1.3 Description of the Manly, Mosman, North Sydney BFMC Area	9
1.3.1 Location and land tenure	9
1.3.2 Climate and bush fire season	9
1.3.3 Population information	9
1.3.4 History of bush fire frequency and ignition cause	9
<i>Chapter 2. Identifying and Assessing the Bush Fire Risk</i>	10
2.1 Process	10
2.2 Communication and Consultation	10
2.3 Identifying the Bush Fire Risk	11
2.3.1 Assets	11
2.3.2 Assessing the Bush Fire Risk - Consequence	12
2.3.3 Assessing the Bush Fire Risk - Likelihood	13
2.3.4 Identifying the level of risk	13
2.3.5 Evaluating the Bush Fire Risk	13
2.3.6 Prioritising Treatments	13
2.3.7 Risk Acceptability	13
<i>Chapter 3. Treating the Risk</i>	14
3.1 Bush Fire Management Zones	14
3.2 BFMC Wide Treatments	16
3.3 Asset Specific Treatments	17
3.4 Fire Thresholds	17
3.5 Annual Works Programs	18
3.6 Implementation	19
<i>Chapter 4. Performance Monitoring and Reviewing</i>	20
4.1 Review	20
4.2 Monitoring	20
4.3 Reporting	20
4.4 Performance Measurements	20
<i>Appendix 1 Community Participation Strategy</i>	23
<i>Appendix 2 Asset Register</i>	25
<i>Appendix 3 Treatment Register</i>	29
<i>Appendix 4 Maps</i>	47

List of Tables

<i>Table 1.1 Land Tenure</i>	9
<i>Table 3.1 Bush Fire Management Zones: Purpose, objectives and characteristics</i>	15
<i>Table 3.2 Asset specific treatments used in the Manly, Mosman, North Sydney BFMC area</i>	17
<i>Table 3.3 Fire Thresholds for Vegetation Categories</i>	18

List of Figures

Figure 2.1 Overview of the risk assessment process 10

Authorisation

In accordance with Part 3 Division 4 of the Rural Fires Act 1997, this Draft Plan has been prepared by the Manly, Mosman, North Sydney Bush Fire Management Committee and has been endorsed at the BFMC meeting on 29th April 2010 for submission to the Bush Fire Coordinating Committee.

Recommended



Cr. Adele Heasman

Chairperson

Manly, Mosman, North Sydney Bush Fire Management Committee

Approved



Shane Fitzgerald, AFSM

Chairman

On behalf of the NSW Bush Fire Coordinating Committee

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 *Manly, Mosman, North Sydney* 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 *Manly, Mosman, North Sydney* BFMC area.

This BFRMP has been prepared by the *Manly, Mosman, North Sydney* 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 Manly, Mosman, North Sydney BFMC Area

1.3.1 Location and land tenure

The *Manly, Mosman, North Sydney* BFMC area occupies the eastern portion of Sydney harbour's lower north shore and includes the Local Government Areas of *Manly Council, Mosman Council and North Sydney Council*.

The area covered by the *Manly, Mosman, North Sydney* BFMC is 3367.6 hectares and includes the land tenures outlined in Table 1.1.

Land Manager*	% of BFMC area
National Parks & Wildlife Service (DECC)	15.23
Forests NSW	0
Department of Lands	6.55
Local Government	21.09
Private	57.01
Other**	0.12

Table 1.1 Land Tenure

** *Department of Defence*

** *Sydney Harbour Federation Trust (SHFT)*

1.3.2 Climate and bush fire season

The typical / average climate in the *Manly, Mosman, North Sydney* BFMC area is for uniform rainfall throughout the year, although higher rainfall can be experienced in the months of February to March. The bush fire season generally runs from October to March, in which high daytime temperatures are expected.

Prevailing weather conditions associated with the bush fire season in the *Manly, Mosman, North Sydney* BFMC area are strong North West winds, low humidity and high temperatures. These conditions combined with predominantly dry sclerophyllic vegetation dramatically influence the behaviour of bush fires in the area. Although bush fires may occur at any time of the year, the highest probability of bush fires occurs in December and January.

1.3.3 Population information

The population of the *Manly, Mosman, North Sydney* BFMC area is approximately 131,827 people. The major population centres are *Manly, Mosman, and North Sydney*.

1.3.4 History of bush fire frequency and ignition cause

The *Manly, Mosman, North Sydney* BFMC area has on average 20 bush fires per year, of which *none* can be considered a major fire. *No Section 44 has ever been declared in this area.*

The main sources of ignition in the *Manly, Mosman, North Sydney* BFMC areas are deliberate ignitions; camp fires; fire by misadventure & lightning strikes.

Chapter 2. Identifying and Assessing the Bush Fire Risk

2.1 Process

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

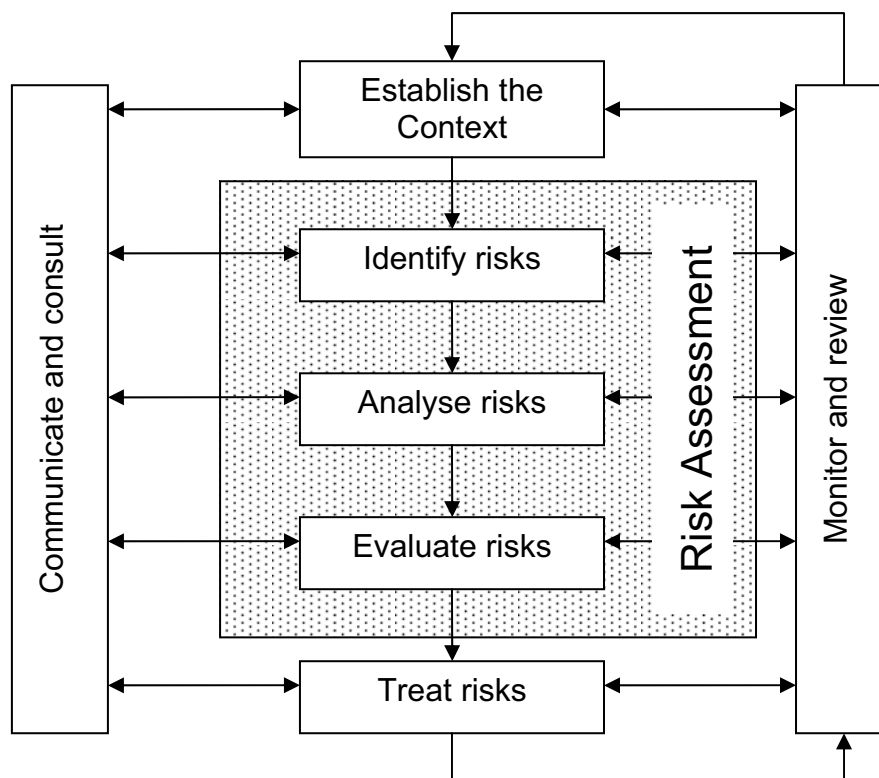


Figure 2.1 Overview of the risk assessment process

2.2 Communication and Consultation

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

2.3 Identifying the Bush Fire Risk

Identifying the level of bush fire risk firstly involved identifying important community assets considered to be at risk from bush fire in the *Manly, Mosman, North Sydney* 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 Manly, Mosman, North Sydney BFMC area that they believed were at risk of being adversely affected by bushfire.

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.
- Military facilities

Environmental

- Threatened species, populations and ecological communities as defined under the NSW Threatened Species Conservation Act 1995 & Commonwealth Environmental Protection and Biodiversity Conservation Act 1999
- Ramsar listed wetlands
- Locally/regionally significant species and ecological communities, such as species and ecological communities especially sensitive to fire within the context of the area

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 Manly, Mosman, North Sydney BPMC area. See maps 1-3 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 Manly, Mosman, North Sydney BPMC 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 and/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 *and fire threshold* data. Those environmental assets which were within or above the fire threshold were not assessed in the BFRMP, as the negative impact of a fire within the 5 year period was determined as being low and may even be of benefit to the asset and surrounding habitat.

The vulnerability of an environmental asset was determined by its conservation status and its geographic extent (distribution across the landscape). Vulnerability and potential impact

of bush fire were used to assess the consequence of a bush fire impacting upon an environmental asset.

Cultural

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

2.3.3 Assessing the Bush Fire Risk - Likelihood

For all asset types the likelihood of a bush fire occurring was assessed. This involves considering vegetation type, 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 Manly, Mosman, North Sydney BPMC 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 Manly, Mosman, North Sydney BPMC 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 on the ground;
- b) identify which assets require treatments; and
- c) identify appropriate treatments and priorities.

2.3.6 Prioritising Treatments

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

2.3.7 Risk Acceptability

Risks below a certain level were assessed as not requiring treatment within the life of this plan. This is due to a combination of *public education, general mitigation works and Fire agencies response times and resources availability*. Within the Manly, Mosman, North Sydney BPMC area the level of acceptability is High. Areas of *Medium and 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 Manly, Mosman, North Sydney BFMC area and mapped (see maps 1-3). 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 -Heritage Management Zone (NPWS).

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

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: • Topography • Aspect • Spotting propensity • Location of adjacent firebreaks • Mosaic pattern of treatment Assess Overall Fuel Hazard (OFH) once vegetation communities reach minimum fire thresholds within this plan. Management practices should aim to achieve mosaic fuel reduction patterns so that the majority of the SFAZ has an OFH of less than high.
Land Management Zone	To meet relevant land management objectives in areas where APZs or SFAZs are not appropriate.	As per the land management and fire protection objectives of the responsible land management agency. To reduce the likelihood of spread of fires. To undertake mosaic burning	As appropriate to achieve land management e.g. heritage and/or fire protection e.g. broad scale mosaic burning objectives.
Fire Exclusion Zone	To exclude bush fires.	N/A	Variable dependant on size of fire sensitive area requiring protection.

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

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

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

3.2 BFMC Wide Treatments

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

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

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

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

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

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

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

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

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

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

In the bush fire danger period a fire safety permit is required to light a fire in the open. Permits specify conditions such as 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.

- **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**

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

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 *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 *Manly, Mosman, North Sydney* BFM area are listed below. A full list of the treatment strategies in the *Manly, Mosman, North Sydney* BFM area are in Appendix 3.

Strategy	Targeted treatments used in the <i>Manly, Mosman, North Sydney</i> BFM area
Ignition Management	Suspend fire generated activities on days of very high to extreme fire danger. Undertake patrols of National Parks during TOBANS. Close National Parks and Sydney Harbour Federation Trust Managed Land, as required.
Hazard Reduction	Manage fuel loads; bushland structure and accessibility Perform annual maintenance along APZ and maintain annual Hazard Reduction Works Program Manage land as per North Head Fire Management Plan
Community Education	Manage CFU as per NSWFB policy Community information, (Letterbox drops)
Preparedness	Inspect and maintain fire trail as required Manage CFU as per NSWFB policy
Other	

Table 3.2 Asset specific treatments used in the Manly, Mosman, North Sydney BFM area

3.4 Fire Thresholds

The vegetation in the *Manly, Mosman, North Sydney* BFM area was classified into fire threshold categories (Table 3.3).

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

Table 3.3 Fire Thresholds for Vegetation Categories

3.5 Annual Works Programs

The land management agencies and 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 Manly, Mosman, North Sydney 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

- Map 1 – North Sydney LGA
- Map 2 – Mosman LGA
- Map 3 – Manly LGA

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Appendix 1 Community Participation Strategy

Target Audience	Method of Communication	Method of Notification	Key messages/ purpose	Resources	Notes & Responsibility	Completed
Bushland-interface residents	Local Newspaper print advertisement: (Manly & Mosman Daily) Document link on Land Managers websites	Media Release, Mayoral Column, Letters to LGA Precincts, website, Flyer, Poster	Introduce BFRMP, community issues, discuss treatment options & community responsibilities	Media article, Flyers/posters, website, agency representatives, host webpage link, feedback email address	- NSWFB to draft print advertisement. - Land Managers to place advertisement, and maintain host link on website - NSWFB to collate feedback	☐ Date __ / __ / __
Special Fire Protection Groups	Advising letter and explanation of the Bushfire Risk Plan Link to website documentation	Advising Letter to CEO / General Manager	Introduce BFRMP, community issues, discuss treatment options & community responsibilities	Letter , host webpage link, feedback email address	- NSWFB to draft and send letter to identified focus group from BFRMP - Land Managers to maintain host link on website - NSWFB to collate feedback	☐ Date __ / __ / __
Broader Community	Local Newspaper print advertisement: (Manly & Mosman Daily) Document link on Land Managers websites	Media Release, Mayoral Column, Letters to LGA Precincts, website, Flyer, Poster	Introduce BFRMP, community issues, discuss treatment options, community responsibilities	Media article, Flyers/posters, website, agency representatives, host webpage link, feedback email address	- NSWFB to draft print advertisement. - Land Managers to place advertisement, and maintain host link on website - NSWFB to collate feedback	☐ Date __ / __ / __
Mayor, Councillor & CEO Briefing	Advising letter and explanation of the Bushfire Risk Plan Send hard copy of Draft Plan	Advising Letter to CEO / General Manager	Introduce BFRMP, Implications for agency	Letter , host webpage link, feedback email address	- NSWFB to draft & send letter / copy of BFRMP to identified focus group - Land Managers to maintain host link on website. - NSWFB to collate feedback	☐ Date __ / __ / __

Target Audience	Method of Communication	Method of Notification	Key messages/ purpose	Resources	Notes & Responsibility	Completed
MP Briefing	Advising letter and explanation of the Bushfire Risk Plan Send hard copy of Draft Plan	Advising Letter to Federal and State Members of Parliament	Introduce BFRMP	Letter , host webpage link, feedback email address	- NSWFB to draft & send letter / copy of BFRMP to identified focus group - Land Managers to maintain host link on website. - NSWFB to collate feedback	☐ Date ___ / ___ / ___
Staff Briefing	Agency email and webpage link	Email	Introduce BFRMP, Implications for agency	Email, host webpage link, feedback email address	- Land Managers to maintain host link on website. - Land Managers to send email.	☐ Date ___ / ___ / ___
Interest Groups (Bushcare etc)	Local Newspaper print advertisement: (Manly & Mosman Daily) Document link on Land Managers websites	Media Release, Mayoral Column, Letters to LGA Precincts, website, Flyer, Poster	Introduce BFRMP, community issues, discuss treatment options, community responsibilities	Media article, Flyers/posters, website, agency representatives, host webpage link, feedback email address	- NSWFB to draft print advertisement. - Land Managers to place advertisement, and maintain host link on website - NSWFB to collate feedback	☐ Date ___ / ___ / ___
CFU	NSWFB email CFU members	NSWFB Bushfire Officer, to email CFU members and advise of BFRMP	Introduce BFRMP, community issues; discuss treatment options, community responsibilities, and CFU involvement and policies.	Letter , host webpage link, feedback email address	- Land Managers to maintain host link on website. - NSWFB BFO to send email.	☐ Date ___ / ___ / ___
Draft Exhibition	Static display material	Newspaper advertisements	Final public exhibition requirement	Static display materials and copies of Draft BFRMP	- Land Managers to host display - Land Managers to place advertisement, and maintain host link on website - NSWFB to collate feedback via email	☐ Date ___ / ___ / ___

Appendix 2 Asset Register

Priority (Risk Rating)	Asset ID	Asset Name	Class	Likelihood	Consequence	Map Display Area
1A (Extreme)	1	Parriwi Park Guide Hall	Human Settlement	Almost certain	Catastrophic	MOSMAN
1B (Extreme)	2	Balgowlah Heights Residential 1	Human Settlement	Likely	Catastrophic	MANLY
	3	Balgowlah Heights Residential 4	Human Settlement	Likely	Catastrophic	MANLY
	4	Castle Cct residential 2	Human Settlement	Likely	Catastrophic	MANLY
	5	Bower St residential	Human Settlement	Likely	Catastrophic	MANLY
	6	Parriw Park Scout Hall	Human Settlement	Likely	Catastrophic	MOSMAN
	7	Taronga Zoo	Economic	Likely	Catastrophic	MOSMAN
	8	HMAS Penguin	Economic	Likely	Catastrophic	MOSMAN
	9	Chowder Bay - Naval Fuel Installation	Economic	Likely	Catastrophic	MOSMAN
1C (Extreme)	10	North Head Sewage Treatment Plant	Economic	Almost certain	Major	MANLY
2A (Very High)	11	Tunks Park East Residential	Human Settlement	Likely	Major	NORTH SYDNEY
	12	Gurney Crescent Residential 3	Human Settlement	Likely	Major	MANLY
	13	Rignold St residential	Human Settlement	Likely	Major	MANLY
	14	Imperial & Commonwealth Ave Residential	Human Settlement	Likely	Major	MOSMAN
	15	Sirius and Rickard Roads Residential	Human Settlement	Likely	Major	MOSMAN
	16	Royalist and Boyle Residential	Human Settlement	Likely	Major	MOSMAN
	17	Water Scouts Hall Mosman	Human Settlement	Likely	Major	MOSMAN
	18	Rawson Park Tennis Centre	Human Settlement	Likely	Major	MOSMAN
	19	Iluka Road Residential	Human Settlement	Likely	Major	MOSMAN
	20	Quakers Hat Park Residential	Human Settlement	Likely	Major	MOSMAN
	21	Parriwi Park Residential	Human Settlement	Likely	Major	MOSMAN
	22	Balmoral East Residential	Human Settlement	Likely	Major	MOSMAN
	23	Balmoral West Residential	Human Settlement	Likely	Major	MOSMAN
	24	Plunkett Road Residential	Human Settlement	Likely	Major	MOSMAN
	25	Lawry Plunket Residential	Human Settlement	Likely	Major	MOSMAN
	26	Quakers Hat North Residential	Human Settlement	Likely	Major	MOSMAN
	27	Quakers Hat South Residential	Human Settlement	Likely	Major	MOSMAN
	28	Mosman Bay Water Scouts	Human Settlement	Likely	Major	MOSMAN
	29	Milray Ave Residential	Human Settlement	Likely	Major	NORTH SYDNEY
	30	HMAS Penguin	Economic	Likely	Major	MOSMAN
	31	Weather Station (Bureau of Meteorology)	Economic	Likely	Major	MANLY
	32	Quarantine Station	Economic	Likely	Major	MANLY
	33	School	Human Settlement	Likely	Major	MANLY
	34	ESBS	Environment	Likely	Major	MANLY
	35	Police Institute	Economic	Likely	Major	MANLY
3A (High)	36	Raglan Street Residential	Human Settlement	Likely	Moderate	MOSMAN
	37	Curraghbeena Road Residential	Human Settlement	Likely	Moderate	MOSMAN
	38	Park Avenue Residential	Human Settlement	Likely	Moderate	MOSMAN
	39	Sallys Place Childcare Centre	Human Settlement	Likely	Moderate	MOSMAN
	40	Curlew Camp Road Residential	Human Settlement	Likely	Moderate	MOSMAN
	41	Park residence	Human Settlement	Likely	Moderate	MOSMAN
	42	Crater Cove Huts	Cultural	Likely	Moderate	MANLY
	43	Endangered Flora HMAS Waterhen	Environment	Likely	Moderate	NORTH SYDNEY
	44	Third Quarantine Cemetery	Cultural	Likely	Moderate	MANLY
	45	Seargent majors quarters (Rangers office)	Human Settlement	Likely	Moderate	MOSMAN
	46	Barracks (Admin office)	Human Settlement	Likely	Moderate	MOSMAN
	47	Radio tower - Police	Economic	Likely	Moderate	MOSMAN

	48	Soldiers Institute	Human Settlement	Likely	Moderate	MOSMAN
	49	Tool shed	Human Settlement	Likely	Moderate	MOSMAN
	50	Former guardhouse - now store and office	Human Settlement	Likely	Moderate	MOSMAN
	51	Materials / equipment storage yard	Economic	Likely	Moderate	MOSMAN
	52	Athol Hall	Economic	Likely	Moderate	MOSMAN
	53	Bradleys Head cannon	Cultural	Likely	Moderate	MOSMAN
	54	QS gatehouse	Human Settlement	Likely	Moderate	MANLY
	55	Quarantine Station	Economic	Likely	Moderate	MANLY
	56	Quarantine Station	Economic	Likely	Moderate	MANLY
	57	Quarantine Station	Economic	Likely	Moderate	MANLY
	58	Quarantine Station	Economic	Likely	Moderate	MANLY
	59	Quarantine Station	Economic	Likely	Moderate	MANLY
3C (High)	60	Gourley Ave	Human Settlement	Unlikely	Catastrophic	MANLY
	61	New St East	Human Settlement	Unlikely	Catastrophic	MANLY
	62	Tutus to Beatty St	Human Settlement	Unlikely	Catastrophic	MANLY
	63	Davis Marina	Human Settlement	Unlikely	Catastrophic	MANLY
	64	Castle Cct residential 1	Human Settlement	Unlikely	Catastrophic	MANLY
	65	Wakehurst Parkway Residential	Human Settlement	Unlikely	Catastrophic	MANLY
	66	Golf Club House	Cultural	Unlikely	Catastrophic	MOSMAN
	67	Middle Head to Balmoral Walking Track	Human Settlement	Unlikely	Catastrophic	MOSMAN
	68	HMAS Waterhen	Economic	Unlikely	Catastrophic	NORTH SYDNEY
	69	Childcare centre	Human Settlement	Unlikely	Catastrophic	MANLY
4 (Medium)	70	Linkmead Ave residential	Human Settlement	Unlikely	Major	MANLY
	71	Balgowlah Heights Residential 2	Human Settlement	Unlikely	Major	MANLY
	72	Rotary Mens Shed	Human Settlement	Unlikely	Major	NORTH SYDNEY
	73	Primrose Community Centre/ Tennis Courts	Human Settlement	Unlikely	Major	NORTH SYDNEY
	74	Millet Road Residential	Human Settlement	Unlikely	Major	MOSMAN
	75	Manly Hospital	Human Settlement	Unlikely	Major	MANLY
	76	Childcare centre	Human Settlement	Unlikely	Major	MANLY
	77	Balgowlah Heights Residential 5	Human Settlement	Unlikely	Major	MANLY
	78	Gurney Cres residential 1	Human Settlement	Unlikely	Major	MANLY
	79	Gurney Cres residential 2	Human Settlement	Unlikely	Major	MANLY
	80	Baringa Ave residential	Human Settlement	Unlikely	Major	MANLY
	81	Dominion Crescent Residential	Human Settlement	Unlikely	Major	MOSMAN
	82	Camouflaged Fuel Tanks 3, 4 & 5	Cultural	Unlikely	Major	MOSMAN
	83	Alexander Avenue Private Hospital	Human Settlement	Unlikely	Major	MOSMAN
	84	Pippies Child Care Centre	Human Settlement	Unlikely	Major	MOSMAN
	85	Joels Reserve Residential	Human Settlement	Unlikely	Major	MOSMAN
	86	Bay Street 2 Residential	Human Settlement	Unlikely	Major	MOSMAN
	87	Carrington Residential	Human Settlement	Unlikely	Major	MOSMAN
	88	Cross Street Residential	Human Settlement	Unlikely	Major	MOSMAN
	89	Folley Point Residential	Human Settlement	Unlikely	Major	NORTH SYDNEY
	90	Aqueduct Tunks Park East	Economic	Likely	Minor	NORTH SYDNEY
	91	Tunks Park West	Human Settlement	Unlikely	Major	NORTH SYDNEY
	92	Middle Head Road Residential	Human Settlement	Unlikely	Major	MOSMAN
	93	Headland Park Artist Precinct	Economic	Unlikely	Major	MOSMAN
	94	Gunners Barracks Tea Rooms	Economic	Unlikely	Major	MOSMAN
	95	Golf Club House Carpark	Economic	Likely	Minor	MOSMAN
	96	Former ASOPA & 10 Terminal Buildings	Human Settlement	Unlikely	Major	MOSMAN
	97	Endangered Flora Chowder Bay	Environment	Likely	Minor	MOSMAN

	98	Endangered Flora HMAS Penguin	Environment	Likely	Minor	MOSMAN
	99	Water Tower	Economic	Unlikely	Major	MANLY
	100	Bradleys Head toilets	Economic	Likely	Minor	MOSMAN
	101	Tryon Ave Residential	Human Settlement	Possible	Moderate	NORTH SYDNEY
	102	Primrose Residential	Human Settlement	Unlikely	Major	NORTH SYDNEY
	103	Brightmore Residential	Human Settlement	Unlikely	Major	NORTH SYDNEY
	104	Wonga Rd Residential	Human Settlement	Unlikely	Major	NORTH SYDNEY
	105	Harbour Trust Cottage	Human Settlement	Unlikely	Major	MOSMAN
	106	Harbour Trust Commercial Offices	Economic	Unlikely	Major	MOSMAN
NA (Low)	107	Balgowlah Heights Residential 3	Human Settlement	Unlikely	Moderate	MANLY
	108	NSW Fisheries	Human Settlement	Unlikely	Moderate	NORTH SYDNEY
	109	Bridge End residential	Human Settlement	Unlikely	Moderate	NORTH SYDNEY
	110	Woodleys Boat Builders	Human Settlement	Unlikely	Moderate	NORTH SYDNEY
	111	Kiosk and Toilet/ change rooms, Tunks Park	Human Settlement	Unlikely	Moderate	NORTH SYDNEY
	112	Boat repair workshop, Cremorne	Human Settlement	Unlikely	Moderate	NORTH SYDNEY
	113	Avenue Road Residential	Human Settlement	Unlikely	Moderate	MOSMAN
	114	Avona Crescent residential	Human Settlement	Unlikely	Moderate	MANLY
	115	Seaforth Cres residential	Human Settlement	Unlikely	Minor	MANLY
	116	Seaforth Bowling Club	Human Settlement	Unlikely	Moderate	MANLY
	117	Baranbali St residential	Human Settlement	Unlikely	Minor	MANLY
	118	Balgowlah Rd residential	Human Settlement	Unlikely	Minor	MANLY
	119	8th Brigade Drill Hall	Cultural	Unlikely	Moderate	MOSMAN
	120	Georges Head Lookout Tunnels & Fortifications	Cultural	Unlikely	Moderate	MOSMAN
	121	Quarantine Station	Human Settlement	Unlikely	Moderate	MANLY
	122	Former Coal Loader	Human Settlement	Unlikely	Minor	NORTH SYDNEY
	123	Morella Road Residential	Human Settlement	Unlikely	Moderate	MOSMAN
	124	Morella Road 2 Residential	Human Settlement	Unlikely	Moderate	MOSMAN
	125	Bay Street Residential	Human Settlement	Unlikely	Moderate	MOSMAN
	126	Raglan Street Residential	Human Settlement	Unlikely	Moderate	MOSMAN
	127	Balmoral Sea Scouts Hall	Human Settlement	Unlikely	Minor	MOSMAN
	128	Bradley's Residential	Human Settlement	Unlikely	Moderate	MOSMAN
	129	Middle Head Rd Ex-Naval Cottages	Human Settlement	Unlikely	Moderate	MOSMAN
	130	North Fort Artillery Museum	Cultural	Unlikely	Moderate	MANLY
	131	Scenic Dr & Artillery Dr Residential	Human Settlement	Unlikely	Moderate	MANLY
	132	St Barbara's Ave Residential	Human Settlement	Unlikely	Moderate	MANLY
	133	Former School of Artillery Buildings	Cultural	Unlikely	Moderate	MANLY
	134	Sewerage Pump House	Economic	Unlikely	Moderate	MANLY
	135	Lands Edge (School / 24 hour Accommodation)	Human Settlement	Unlikely	Moderate	MOSMAN
	136	Chowder Bay Ex-Defence Buildings	Cultural	Unlikely	Moderate	MOSMAN
	137	Spit West Rowing Club	Economic	Unlikely	Moderate	MOSMAN
	138	Grotto Point lighthouse	Cultural	Unlikely	Moderate	MANLY
	139	Armoured and beehive casemates	Cultural	Unlikely	Moderate	MOSMAN
	140	Outer forts	Cultural	Unlikely	Moderate	MOSMAN
	141	Inner forts	Cultural	Unlikely	Moderate	MOSMAN
	142	Sangrado St residential	Human Settlement	Unlikely	Moderate	MANLY
	143	Office of Strategic Land (Seaforth Lots)	Economic	Unlikely	Minor	MANLY

Appendix 3 Treatment Register

Priority (Risk Rating)	Asset ID	Asset Name	MDA	Class	Treatment ID	Strategy	Action Description	Responsible Agencies	Other RA	Support Agencies	Year 09-10	Year 10-11	Year 11-12	Year 12-13	Year 13-14
1A (Extreme)	1	Parriv Park Guide Hall	MOSMAN	Human Settlement	4	Hazard Reduction	Mechanical and burning	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
1B (Extreme)	2	Balgowlah Heights Residential 1	MANLY	Human Settlement	9	Hazard Reduction	Mechanical and monitoring	LGA	(blank)	LGA	[0910]	[1011]	[1112]	[1213]	[1314]
	3	Balgowlah Heights Residential 4	MANLY	Human Settlement	9	Hazard Reduction	Mechanical and monitoring	LGA	(blank)	LGA	[0910]	[1011]	[1112]	[1213]	[1314]
	4	Castle Cct residential 2	MANLY	Human Settlement	4	Hazard Reduction	Mechanical and burning	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					5	Hazard Reduction	Mechanical	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					10	Community Education	Community Fire Unit	NSWFB	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	5	Bower St residential	MANLY	Human Settlement	5	Hazard Reduction	Mechanical	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	6	Parriv Park Scout Hall	MOSMAN	Human Settlement	4	Hazard Reduction	Mechanical and burning	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	7	Taronga Zoo	MOSMAN	Economic	4	Hazard Reduction	Mechanical and burning	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					8	Hazard Reduction	CFU	NSWFB	(blank)	(blank)	[0910]	[1011]	[1112]	[1213]	[1314]
					10	Community Education	Community Fire Unit	NSWFB	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	8	HMAS Penguin	MOSMAN	Economic	6	Hazard Reduction	Slashing of firebreaks. HR proposal submitted.	Defence	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]

Priority (Risk Rating)	Asset ID	Asset Name	MDA	Class	Treatment ID	Strategy	Action Description	Responsible Agencies	Other RA	Support Agencies	Year 09-10	Year 10-11	Year 11-12	Year 12-13	Year 13-14
1B (Extreme)	9	Chowder Bay - Naval Fuel Installation	MOSMAN	Economic	7	Hazard Reduction	Manual slashing of firebreaks inline with FMP 2004	Defence	(blank)	(blank)	[0910]	[1011]	[1112]	[1213]	[1314]
1C (Extreme)	10	North Head Sewage Treatment Plant	MANLY	Economic	5	Hazard Reduction	Mechanical	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					11	Hazard Reduction	APZ	Other	SHIFT	(blank)	[0910]	[1011]	[1112]	[1213]	[1314]
2A (Very High)	11	Tunks Park East Residential	NORTH SYDNEY	Human Settlement	12	Hazard Reduction	Manage vegetation in accordance with NH FMS	DECC; Other	SHIFT, Sydney Water	(blank)	[0910]	[1011]	[1112]	[1213]	[1314]
					13	Community Education	Education Brochure/Letter/Liaise major landholders	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					20	Hazard Reduction	Mechanical and / or Prescribed Burning	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					4	Hazard Reduction	Mechanical and burning	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					10	Community Education	Community Fire Unit	NSWFB	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					14	Hazard Reduction	Mechanical	LGA; NSWFB	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	13	Rignold St residential	MANLY	Human Settlement	10	Community Education	Community Fire Unit	NSWFB	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					15	Other	Liaise with major landholders	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	14	Imperial & Commonwealth Ave Residential	MOSMAN	Human Settlement	18	Community Education	Education Brochure/Letter/Liaise major landholders	Other	SHIFT	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					19	Hazard Reduction	Mowing / Slashing	Other	SHIFT	(blank)	[0910]	[1011]	[1112]	[1213]	[1314]

Priority (Risk Rating)	Asset ID	Asset Name	MDA	Class	Treatment ID	Strategy	Action Description	Responsible Agencies	Other RA	Support Agencies	Year 09-10	Year 10-11	Year 11-12	Year 12-13	Year 13-14
2A (Very High)	15	Sirius and Rickard Roads Residential	MOSMAN	Human Settlement	4	Hazard Reduction	Mechanical and burning	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					16	Community Education	Annual letter	LGA	(blank)	LGA,NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	16	Royalist and Boyle Residential	MOSMAN	Human Settlement	4	Hazard Reduction	Mechanical and burning	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					16	Community Education	Annual letter	LGA	(blank)	LGA,NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	17	Water Scouts Hall Mosman	MOSMAN	Human Settlement	4	Hazard Reduction	Mechanical and burning	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					16	Community Education	Annual letter	LGA	(blank)	LGA,NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	18	Rawson Park Tennis Centre	MOSMAN	Human Settlement	4	Hazard Reduction	Mechanical and burning	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					16	Community Education	Annual letter	LGA	(blank)	LGA,NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	19	Iluka Road Residential	MOSMAN	Human Settlement	5	Hazard Reduction	Mechanical	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					15	Other	Liaise with major landholders	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					16	Community Education	Annual letter	LGA	(blank)	LGA,NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	20	Quakers Hat Park Residential	MOSMAN	Human Settlement	4	Hazard Reduction	Mechanical and burning	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					16	Community Education	Annual letter	LGA	(blank)	LGA,NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	21	Parriwi Park Residential	MOSMAN	Human Settlement	4	Hazard Reduction	Mechanical and burning	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					16	Community Education	Annual letter	LGA	(blank)	LGA,NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]

Priority (Risk Rating)	Asset ID	Asset Name	MDA	Class	Treatment ID	Strategy	Action Description	Responsible Agencies	Other RA	Support Agencies	Year 09-10	Year 10-11	Year 11-12	Year 12-13	Year 13-14
2A (Very High)	22	Balmoral East Residential	MOSMAN	Human Settlement	4	Hazard Reduction	Mechanical and burning	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					8	Hazard Reduction	CFU	NSWFB	(blank)	(blank)	[0910]	[1011]	[1112]	[1213]	[1314]
					10	Community Education	Community Fire Unit	NSWFB	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					16	Community Education	Annual letter	LGA	(blank)	LGA,NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	23	Balmoral West Residential	MOSMAN	Human Settlement	4	Hazard Reduction	Mechanical and burning	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					10	Community Education	Community Fire Unit	NSWFB	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					16	Community Education	Annual letter	LGA	(blank)	LGA,NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					4	Hazard Reduction	Mechanical and burning	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	24	Plunkett Road Residential	MOSMAN	Human Settlement	16	Community Education	Annual letter	LGA	(blank)	LGA,NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					4	Hazard Reduction	Mechanical and burning	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					16	Community Education	Annual letter	LGA	(blank)	LGA,NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					4	Hazard Reduction	Mechanical and burning	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	25	Lawry Plunket Residential	MOSMAN	Human Settlement	4	Hazard Reduction	Mechanical and burning	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					16	Community Education	Annual letter	LGA	(blank)	LGA,NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					4	Hazard Reduction	Mechanical and burning	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					16	Community Education	Annual letter	LGA	(blank)	LGA,NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	26	Quakers Hat North Residential	MOSMAN	Human Settlement	4	Hazard Reduction	Mechanical and burning	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					16	Community Education	Annual letter	LGA	(blank)	LGA,NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					4	Hazard Reduction	Mechanical and burning	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					16	Community Education	Annual letter	LGA	(blank)	LGA,NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	27	Quakers Hat South Residential	MOSMAN	Human Settlement	4	Hazard Reduction	Mechanical and burning	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					16	Community Education	Annual letter	LGA	(blank)	LGA,NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]

Priority (Risk Rating)	Asset ID	Asset Name	MDA	Class	Treatment ID	Strategy	Action Description	Responsible Agencies	Other RA	Support Agencies	Year 09-10	Year 10-11	Year 11-12	Year 12-13	Year 13-14
2A (Very High)	28	Mosman Bay Water Scouts	MOSMAN	Human Settlement	5	Hazard Reduction	Mechanical	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					16	Community Education	Annual letter	LGA	(blank)	LGA;NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	29	Millray Ave Residential	NORTH SYDNEY	Human Settlement	13	Community Education	Education Brochure/Letter/Liaise major landholders	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					20	Hazard Reduction	Mechanical and / or Prescribed Burning	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	30	HMAS Penguin	MOSMAN	Economic	17	Hazard Reduction	Manual slashing of APZ	Defence	(blank)	(blank)	[0910]	[1011]	[1112]	[1213]	[1314]
	31	Weather Station (Bureau of Meteorology)	MANLY	Economic	12	Hazard Reduction	Manage vegetation in accordance with NH FMS	DECC;Other	SHFT, Sydney Water	(blank)	[0910]	[1011]	[1112]	[1213]	[1314]
	32	Quarantine Station	MANLY	Economic	12	Hazard Reduction	Manage vegetation in accordance with NH FMS	DECC;Other	SHFT, Sydney Water	(blank)	[0910]	[1011]	[1112]	[1213]	[1314]
	33	School	MANLY	Human Settlement	17	Hazard Reduction	Manual slashing of APZ	Other	(blank)	(blank)	[0910]	[1011]	[1112]	[1213]	[1314]
	34	ESBS	MANLY	Environmental	12	Hazard Reduction	Manage vegetation in accordance with NH FMS	DECC;Other	SHFT, Sydney Water	(blank)	[0910]	[1011]	[1112]	[1213]	[1314]
	35	Police Institute	MANLY	Economic	12	Hazard Reduction	Manage vegetation in accordance with NH FMS	DECC;Other	SHFT, Sydney Water	(blank)	[0910]	[1011]	[1112]	[1213]	[1314]
3A (High)	36	Raglan Street Residential	MOSMAN	Human Settlement	4	Hazard Reduction	Mechanical and burning	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					16	Community Education	Annual letter	LGA	(blank)	LGA;NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	37	Curraghbeena Road Residential	MOSMAN	Human Settlement	4	Hazard Reduction	Mechanical and burning	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]

Priority (Risk Rating)	Asset ID	Asset Name	MDA	Class	Treatment ID	Strategy	Action Description	Responsible Agencies	Other RA	Support Agencies	Year 09-10	Year 10-11	Year 11-12	Year 12-13	Year 13-14
3A (High)					16	Community Education	Annual letter	LGA	(blank)	LGA,NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	38	Park Avenue Residential	MOSMAN	Human Settlement	4	Hazard Reduction	Mechanical and burning	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	39	Sallys Place Childcare Centre	MOSMAN	Human Settlement	11	Hazard Reduction	APZ	Other	SHIFT	(blank)	[0910]	[1011]	[1112]	[1213]	[1314]
	40	Curlow Camp Road Residential	MOSMAN	Human Settlement	18	Community Education	Education Brochure/Letter/Liaise major landholders	Other	SHIFT	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	41	Park residence	MOSMAN	Human Settlement	4	Hazard Reduction	Mechanical and burning	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	42	Crater Cove Huts	MANLY	Cultural Heritage	16	Community Education	Annual letter	LGA	(blank)	LGA,NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	43	Endangered Flora HMAS Waterhen	NORTH SYDNEY	Environmental	21	Hazard Reduction	Maintain 20 m APZ	DECC	(blank)	(blank)	[0910]	[1011]	[1112]	[1213]	[1314]
	44	Third Quarantine Cemetery	MANLY	Cultural Heritage	22	Hazard Reduction	Maintain existing APZ	DECC	(blank)	(blank)	[0910]	(blank)	(blank)	(blank)	(blank)
	45	Seargent majors quarters (Rangers office)	MOSMAN	Human Settlement	27	Hazard Reduction	Mechanical clearance	Other	SHIFT	(blank)	[0910]	[1011]	[1112]	[1213]	[1314]
	46	Barracks (Admin office)	MOSMAN	Human Settlement	22	Hazard Reduction	Maintain existing APZ	DECC	(blank)	(blank)	[0910]	[1011]	[1112]	[1213]	[1314]
					23	Hazard Reduction	Mow / slash 20m APZ	DECC	(blank)	(blank)	[0910]	[1011]	[1112]	[1213]	[1314]

Priority (Risk Rating)	Asset ID	Asset Name	MDA	Class	Treatment ID	Strategy	Action Description	Responsible Agencies	Other RA	Support Agencies	Year 09-10	Year 10-11	Year 11-12	Year 12-13	Year 13-14
3A (High)	47	Radio tower - Police	MOSMAN	Economic	24	Hazard Reduction	Mow / slash existing APZ	DECC	(blank)	(blank)	[0910]	[1011]	[1112]	[1213]	[1314]
	48	Soldiers Institute	MOSMAN	Human Settlement	24	Hazard Reduction	Mow / slash existing APZ	DECC	(blank)	(blank)	[0910]	[1011]	[1112]	[1213]	[1314]
	49	Tool shed	MOSMAN	Human Settlement	24	Hazard Reduction	Mow / slash existing APZ	DECC	(blank)	(blank)	[0910]	[1011]	[1112]	[1213]	[1314]
	50	Former guardhouse - now store and office	MOSMAN	Human Settlement	24	Hazard Reduction	Mow / slash existing APZ	DECC	(blank)	(blank)	[0910]	[1011]	[1112]	[1213]	[1314]
	51	Materials / equipment storage yard	MOSMAN	Economic	25	Other	Trim vegetation on an as-needs basis	DECC	(blank)	(blank)	[0910]	[1011]	[1112]	[1213]	[1314]
	52	Athol Hall	MOSMAN	Economic	22	Hazard Reduction	Maintain existing APZ	DECC	(blank)	(blank)	[0910]	[1011]	[1112]	[1213]	[1314]
	53	Bradleys Head cannon	MOSMAN	Cultural Heritage	25	Other	Trim vegetation on an as-needs basis	DECC	(blank)	(blank)	[0910]	[1011]	[1112]	[1213]	[1314]
	54	QS gatehouse	MANLY	Human Settlement	26	Hazard Reduction	HR burn as prescribed by North Head Precinct FMS	DECC	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	55	Quarantine Station	MANLY	Economic	12	Hazard Reduction	Manage vegetation in accordance with NH FMS	DECC;Other	SHFT, Sydney Water	(blank)	[0910]	[1011]	[1112]	[1213]	[1314]
	56	Quarantine Station	MANLY	Economic	12	Hazard Reduction	Manage vegetation in accordance with NH FMS	DECC;Other	SHFT, Sydney Water	(blank)	[0910]	[1011]	[1112]	[1213]	[1314]
	57	Quarantine Station	MANLY	Economic	12	Hazard Reduction	Manage vegetation in accordance with NH FMS	DECC;Other	SHFT, Sydney Water	(blank)	[0910]	[1011]	[1112]	[1213]	[1314]
	58	Quarantine Station	MANLY	Economic	12	Hazard Reduction	Manage vegetation in accordance with NH FMS	DECC;Other	SHFT, Sydney Water	(blank)	[0910]	[1011]	[1112]	[1213]	[1314]
	59	Quarantine Station	MANLY	Economic	12	Hazard Reduction	Manage vegetation in accordance with NH FMS	DECC;Other	SHFT, Sydney Water	(blank)	[0910]	[1011]	[1112]	[1213]	[1314]

Priority (Risk Rating)	Asset ID	Asset Name	MDA	Class	Treatment ID	Strategy	Action Description	Responsible Agencies	Other RA	Support Agencies	Year 09-10	Year 10-11	Year 11-12	Year 12-13	Year 13-14
3C (High)	60	Gourley Ave	MANLY	Human Settlement	4	Hazard Reduction	Mechanical and burning	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	61	New St East	MANLY	Human Settlement	4	Hazard Reduction	Mechanical and burning	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	62	Tutus to Beatty St	MANLY	Human Settlement	4	Hazard Reduction	Mechanical and burning	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	63	Davis Marina	MANLY	Human Settlement	4	Hazard Reduction	Mechanical and burning	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	64	Castle Cct residential 1	MANLY	Human Settlement	10	Community Education	Community Fire Unit	NSWFB	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	65	Wakehurst Parkway Residential	MANLY	Human Settlement	28	Hazard Reduction	Mechanical	LGA	(blank)	LGA	[0910]	[1011]	[1112]	[1213]	[1314]
					4	Hazard Reduction	Mechanical and burning	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					13	Community Education	Education Brochure/Letter/Liaise major landholders	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	66	Golf Club House	MOSMAN	Cultural Heritage	18	Community Education	Education Brochure/Letter/Liaise major landholders	Other	SHIFT	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	67	Middle Head to Balmoral Walking Track	MOSMAN	Human Settlement	27	Hazard Reduction	Mechanical clearance	Other	SHIFT	(blank)	[0910]	[1011]	[1112]	[1213]	[1314]
					11	Hazard Reduction	APZ	Other	SHIFT	(blank)	[0910]	[1011]	[1112]	[1213]	[1314]
	68	HMAS Waterhen	NORTH SYDNEY	Economic	13	Community Education	Education Brochure/Letter/Liaise major landholders	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]

Priority (Risk Rating)	Asset ID	Asset Name	MDA	Class	Treatment ID	Strategy	Action Description	Responsible Agencies	Other RA	Support Agencies	Year 09-10	Year 10-11	Year 11-12	Year 12-13	Year 13-14
3C (High)	69	Childcare centre	MANLY	Human Settlement	9	Hazard Reduction	Mechanical and monitoring	LGA	(blank)	LGA	[0910]	[1011]	[1112]	[1213]	[1314]
4 (Medium)	70	Linkmead Ave residential	MANLY	Human Settlement	31	Hazard Reduction	Mechanical	LGA;NSWFB	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	71	Balgowlah Heights Residential 2	MANLY	Human Settlement	4	Hazard Reduction	Mechanical and burning	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	72	Rotary Mens Shed	NORTH SYDNEY	Human Settlement	13	Community Education	Education Brochure/Letter/Liaise major landholders	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					20	Hazard Reduction	Mechanical and / or Prescribed Burning	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	73	Primrose Community Centre/ Tennis Courts	NORTH SYDNEY	Human Settlement	13	Community Education	Education Brochure/Letter/Liaise major landholders	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					29	Hazard Reduction	APZ	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	74	Millet Road Residential	MOSMAN	Human Settlement	4	Hazard Reduction	Mechanical and burning	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					16	Community Education	Annual letter	LGA	(blank)	LGA;NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	75	Manly Hospital	MANLY	Human Settlement	34	Hazard Reduction	APZ	Other	Manly Hospital (Dept of Health)	DECC	[0910]	[1011]	[1112]	[1213]	[1314]
	76	Childcare centre	MANLY	Human Settlement	13	Community Education	Education Brochure/Letter/Liaise major landholders	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	77	Balgowlah Heights Residential 5	MANLY	Human Settlement	32	Hazard Reduction	Mechanical	LGA	(blank)	LGA	[0910]	[1011]	[1112]	[1213]	[1314]
	78	Gurney Cres residential 1	MANLY	Human Settlement	14	Hazard Reduction	Mechanical	LGA;NSWFB	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]

Priority (Risk Rating)	Asset ID	Asset Name	MDA	Class	Treatment ID	Strategy	Action Description	Responsible Agencies	Other RA	Support Agencies	Year 09-10	Year 10-11	Year 11-12	Year 12-13	Year 13-14
4 (Medium)	79	Gurney Cres residential 2	MANLY	Human Settlement	14	Hazard Reduction	Mechanical	LGA;NSWFB	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	80	Baringa Ave residential	MANLY	Human Settlement	33	Hazard Reduction	Mechanical	LGA	(blank)	LGA	[0910]	[1011]	[1112]	[1213]	[1314]
	81	Dominion Crescent Residential	MOSMAN	Human Settlement	11	Hazard Reduction	APZ	Other	SHIFT	(blank)	[0910]	[1011]	[1112]	[1213]	[1314]
					18	Community Education	Education Brochure/Letter/Liaise major landholders	Other	SHIFT	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	82	Camouflaged Fuel Tanks 3, 4 & 5	MOSMAN	Cultural Heritage	27	Hazard Reduction	Mechanical clearance	Other	SHIFT	(blank)	[0910]	[1011]	[1112]	[1213]	[1314]
	83	Alexander Avenue Private Hospital	MOSMAN	Human Settlement	(blank)	(blank)	(blank)	(blank)	(blank)	(blank)	(blank)	(blank)	(blank)	(blank)	(blank)
	84	Pippies Child Care Centre	MOSMAN	Human Settlement	4	Hazard Reduction	Mechanical and burning	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					15	Other	Liaise with major landholders	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					16	Community Education	Annual letter	LGA	(blank)	LGA;NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	85	Joels Reserve Residential	MOSMAN	Human Settlement	4	Hazard Reduction	Mechanical and burning	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					16	Community Education	Annual letter	LGA	(blank)	LGA;NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	86	Bay Street 2 Residential	MOSMAN	Human Settlement	4	Hazard Reduction	Mechanical and burning	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]

Priority (Risk Rating)	Asset ID	Asset Name	MDA	Class	Treatment ID	Strategy	Action Description	Responsible Agencies	Other RA	Support Agencies	Year 09-10	Year 10-11	Year 11-12	Year 12-13	Year 13-14
4 (Medium)					16	Community Education	Annual letter	LGA	(blank)	LGA,NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	87	Carrington Residential	MOSMAN	Human Settlement	4	Hazard Reduction	Mechanical and burning	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					16	Community Education	Annual letter	LGA	(blank)	LGA,NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	88	Cross Street Residential	MOSMAN	Human Settlement	10	Community Education	Community Fire Unit	NSWFB	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					15	Other	Liaise with major landholders	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					16	Community Education	Annual letter	LGA	(blank)	LGA,NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	89	Folley Point Residential	NORTH SYDNEY	Human Settlement	13	Community Education	Education Brochure/Letter/Liaise major landholders	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					20	Hazard Reduction	Mechanical and / or Prescribed Burning	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	90	Aqueduct Tunks Park East	NORTH SYDNEY	Economic	20	Hazard Reduction	Mechanical and / or Prescribed Burning	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	91	Tunks Park West	NORTH SYDNEY	Human Settlement	13	Community Education	Education Brochure/Letter/Liaise major landholders	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					20	Hazard Reduction	Mechanical and / or Prescribed Burning	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	92	Middle Head Road Residential	MOSMAN	Human Settlement	18	Community Education	Education Brochure/Letter/Liaise major landholders	Other	SHIFT	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					30	Hazard Reduction	Mechanical and or burning	Other	SHIFT	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	93	Headland Park Artist Precinct	MOSMAN	Economic	18	Community Education	Education Brochure/Letter/Liaise major landholders	Other	SHIFT	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]

Priority (Risk Rating)	Asset ID	Asset Name	MDA	Class	Treatment ID	Strategy	Action Description	Responsible Agencies	Other RA	Support Agencies	Year 09-10	Year 10-11	Year 11-12	Year 12-13	Year 13-14
4 (Medium)					19	Hazard Reduction	Mowing / Slashing	Other	SHIFT	(blank)	[0910]	[1011]	[1112]	[1213]	[1314]
	94	Gunners Barracks Tea Rooms	MOSMAN	Economic	18	Community Education	Education Brochure/Letter/Liaise major landholders	Other	SHIFT	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					19	Hazard Reduction	Mowing / Slashing	Other	SHIFT	(blank)	[0910]	[1011]	[1112]	[1213]	[1314]
	95	Golf Club House Carpark	MOSMAN	Economic	27	Hazard Reduction	Mechanical clearance	Other	SHIFT	(blank)	[0910]	[1011]	[1112]	[1213]	[1314]
	96	Former ASOPA & 10 Terminal Buildings	MOSMAN	Human Settlement	19	Hazard Reduction	Mowing / Slashing	Other	SHIFT	(blank)	[0910]	[1011]	[1112]	[1213]	[1314]
	97	Endangered Flora Chowder Bay	MOSMAN	Environmental	(blank)	(blank)	(blank)	(blank)	(blank)	(blank)	(blank)	(blank)	(blank)	(blank)	(blank)
	98	Endangered Flora HMAS Penguin	MOSMAN	Environmental	(blank)	(blank)	(blank)	(blank)	(blank)	(blank)	(blank)	(blank)	(blank)	(blank)	(blank)
	99	Water Tower	MANLY	Economic	19	Hazard Reduction	Mowing / Slashing	Other	SHIFT	(blank)	[0910]	[1011]	[1112]	[1213]	[1314]
	100	Bradleys Head toilets	MOSMAN	Economic	25	Other	Trim vegetation on an as-needs basis	DECC	(blank)	(blank)	[0910]	[1011]	[1112]	[1213]	[1314]
	101	Tryon Ave Residential	NORTH SYDNEY	Human Settlement	13	Community Education	Education Brochure/Letter/Liaise major landholders	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	102	Primrose Residential	NORTH SYDNEY	Human Settlement	13	Community Education	Education Brochure/Letter/Liaise major landholders	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	103	Brightmore Residential	NORTH SYDNEY	Human Settlement	13	Community Education	Education Brochure/Letter/Liaise major landholders	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	104	Wonga Rd Residential	NORTH SYDNEY	Human Settlement	13	Community Education	Education Brochure/Letter/Liaise major landholders	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	105	Harbour Trust Cottage	MOSMAN	Human Settlement	11	Hazard Reduction	APZ	Other	SHIFT	(blank)	[0910]	[1011]	[1112]	[1213]	[1314]

Priority (Risk Rating)	Asset ID	Asset Name	MDA	Class	Treatment ID	Strategy	Action Description	Responsible Agencies	Other RA	Support Agencies	Year 09-10	Year 10-11	Year 11-12	Year 12-13	Year 13-14
4 (Medium)	106	Harbour Trust Commercial Offices	MOSMAN	Economic	18	Community Education	Education Brochure/Letter/Liaise major landholders	Other	SHIFT	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					19	Hazard Reduction	Mowing / Slashing	Other	SHIFT	(blank)	[0910]	[1011]	[1112]	[1213]	[1314]
NA (Low)	107	Balgowlah Heights Residential 3	MANLY	Human Settlement	9	Hazard Reduction	Mechanical and monitoring	LGA	(blank)	LGA	[0910]	[1011]	[1112]	[1213]	[1314]
	108	NSW Fisheries	NORTH SYDNEY	Human Settlement	13	Community Education	Education Brochure/Letter/Liaise major landholders	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	109	Bridge End residential	NORTH SYDNEY	Human Settlement	29	Hazard Reduction	APZ	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					13	Community Education	Education Brochure/Letter/Liaise major landholders	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	110	Woodleys Boat Builders	NORTH SYDNEY	Human Settlement	29	Hazard Reduction	APZ	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	111	Kiosk and Toilet/ change rooms, Tunks Park	NORTH SYDNEY	Human Settlement	20	Hazard Reduction	Mechanical and / or Prescribed Burning	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	112	Boat repair workshop, Cremorne	NORTH SYDNEY	Human Settlement	13	Community Education	Education Brochure/Letter/Liaise major landholders	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	113	Avenue Road Residential	MOSMAN	Human Settlement	4	Hazard Reduction	Mechanical and burning	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					16	Community Education	Annual letter	LGA	(blank)	LGA,NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]

Priority (Risk Rating)	Asset ID	Asset Name	MDA	Class	Treatment ID	Strategy	Action Description	Responsible Agencies	Other RA	Support Agencies	Year 09-10	Year 10-11	Year 11-12	Year 12-13	Year 13-14
NA (Low)	114	Avona Crescent residential	MANLY	Human Settlement	9	Hazard Reduction	Mechanical and monitoring	LGA	(blank)	LGA	[0910]	[1011]	[1112]	[1213]	[1314]
	115	Seaforth Cres residential	MANLY	Human Settlement	9	Hazard Reduction	Mechanical and monitoring	LGA	(blank)	LGA	[0910]	[1011]	[1112]	[1213]	[1314]
	116	Seaforth Bowling Club	MANLY	Human Settlement	4	Hazard Reduction	Mechanical and burning	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					13	Community Education	Education Brochure/Letter/Liaise major landholders	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	117	Baranbali St residential	MANLY	Human Settlement	9	Hazard Reduction	Mechanical and monitoring	LGA	(blank)	LGA	[0910]	[1011]	[1112]	[1213]	[1314]
	118	Balgowlah Rd residential	MANLY	Human Settlement	9	Hazard Reduction	Mechanical and monitoring	LGA	(blank)	LGA	[0910]	[1011]	[1112]	[1213]	[1314]
	119	8th Brigade Drill Hall	MOSMAN	Cultural Heritage	35	Hazard Reduction	APZ	LGA;NSWFB	(blank)	(blank)	[0910]	[1011]	[1112]	[1213]	[1314]
	120	Georges Head Lookout Tunnels & Fortifications	MOSMAN	Cultural Heritage	27	Hazard Reduction	Mechanical clearance	Other	SHIFT	(blank)	[0910]	[1011]	[1112]	[1213]	[1314]
					30	Hazard Reduction	Mechanical and or burning	Other	SHIFT	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	121	Quarantine Station	MANLY	Human Settlement	13	Community Education	Education Brochure/Letter/Liaise major landholders	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					20	Hazard Reduction	Mechanical and / or Prescribed Burning	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	122	Former Coal Loader	NORTH SYDNEY	Human Settlement	13	Community Education	Education Brochure/Letter/Liaise major landholders	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					20	Hazard Reduction	Mechanical and / or Prescribed Burning	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]

Priority (Risk Rating)	Asset ID	Asset Name	MDA	Class	Treatment ID	Strategy	Action Description	Responsible Agencies	Other RA	Support Agencies	Year 09-10	Year 10-11	Year 11-12	Year 12-13	Year 13-14
NA (Low)	123	Morella Road Residential	MOSMAN	Human Settlement	4	Hazard Reduction	Mechanical and burning	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					8	Hazard Reduction	CFU	NSWFB	(blank)	(blank)	[0910]	[1011]	[1112]	[1213]	[1314]
					10	Community Education	Community Fire Unit	NSWFB	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					16	Community Education	Annual letter	LGA	(blank)	LGA,NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	124	Morella Road 2 Residential	MOSMAN	Human Settlement	4	Hazard Reduction	Mechanical and burning	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					10	Community Education	Community Fire Unit	NSWFB	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					15	Other	Liaise with major landholders	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					16	Community Education	Annual letter	LGA	(blank)	LGA,NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	125	Bay Street Residential	MOSMAN	Human Settlement	4	Hazard Reduction	Mechanical and burning	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					16	Community Education	Annual letter	LGA	(blank)	LGA,NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	126	Raglan Street Residential	MOSMAN	Human Settlement	4	Hazard Reduction	Mechanical and burning	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					16	Community Education	Annual letter	LGA	(blank)	LGA,NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	127	Balmoral Sea Scouts Hall	MOSMAN	Human Settlement	15	Other	Liaise with major landholders	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]

Priority (Risk Rating)	Asset ID	Asset Name	MDA	Class	Treatment ID	Strategy	Action Description	Responsible Agencies	Other RA	Support Agencies	Year 09-10	Year 10-11	Year 11-12	Year 12-13	Year 13-14
NA (Low)					16	Community Education	Annual letter	LGA	(blank)	LGA,NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	128	Bradley's Residential	MOSMAN	Human Settlement	4	Hazard Reduction	Mechanical and burning	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					10	Community Education	Community Fire Unit	NSWFB	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					16	Community Education	Annual letter	LGA	(blank)	LGA,NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	129	Middle Head Rd Ex-Naval Cottages	MOSMAN	Human Settlement	19	Hazard Reduction	Mowing / Slashing	Other	SHIFT	(blank)	[0910]	[1011]	[1112]	[1213]	[1314]
	130	North Fort Artillery Museum	MANLY	Cultural Heritage	13	Community Education	Education Brochure/Letter/Liaise major landholders	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					36	Hazard Reduction	Mechanical clearance & HR burn	Other	SHIFT	(blank)	[0910]	[1011]	[1112]	[1213]	[1314]
	131	Scenic Dive & Artillery Dive Residential	MANLY	Human Settlement	13	Community Education	Education Brochure/Letter/Liaise major landholders	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					19	Hazard Reduction	Mowing / Slashing	Other	SHIFT	(blank)	[0910]	[1011]	[1112]	[1213]	[1314]
	132	St Barbara's Ave Residential	MANLY	Human Settlement	18	Community Education	Education Brochure/Letter/Liaise major landholders	Other	SHIFT	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					19	Hazard Reduction	Mowing / Slashing	Other	SHIFT	(blank)	[0910]	[1011]	[1112]	[1213]	[1314]
	133	Former School of Artillery Buildings	MANLY	Cultural Heritage	18	Community Education	Education Brochure/Letter/Liaise major landholders	Other	SHIFT	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					19	Hazard Reduction	Mowing / Slashing	Other	SHIFT	(blank)	[0910]	[1011]	[1112]	[1213]	[1314]
	134	Sewerage Pump House	MANLY	Economic	19	Hazard Reduction	Mowing / Slashing	Other	SHIFT	(blank)	[0910]	[1011]	[1112]	[1213]	[1314]
	135	Lands Edge (School / 24 hour Accom)	MOSMAN	Human Settlement	18	Community Education	Education Brochure/Letter/Liaise major landholders	Other	SHIFT	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]

Priority (Risk Rating)	Asset ID	Asset Name	MDA	Class	Treatment ID	Strategy	Action Description	Responsible Agencies	Other RA	Support Agencies	Year 09-10	Year 10-11	Year 11-12	Year 12-13	Year 13-14
NA (Low)					30	Hazard Reduction	Mechanical and or burning	Other	SHIFT	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	136	Chowder Bay Ex-Defence Buildings	MOSMAN	Cultural Heritage	18	Community Education	Education Brochure/Letter/Liaise major landholders	Other	SHIFT	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					27	Hazard Reduction	Mechanical clearance	Other	SHIFT	(blank)	[0910]	[1011]	[1112]	[1213]	[1314]
	137	Spit West Rowing Club	MOSMAN	Economic	4	Hazard Reduction	Mechanical and burning	LGA	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					16	Community Education	Annual letter	LGA	(blank)	LGA,NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
	138	Grotto Point lighthouse	MANLY	Cultural Heritage	24	Hazard Reduction	Mow / slash existing APZ	DECC	(blank)	(blank)	[0910]	[1011]	[1112]	[1213]	[1314]
	139	Armoured and beehive casemates	MOSMAN	Cultural Heritage	25	Other	Trim vegetation on an as-needs basis	DECC	(blank)	(blank)	[0910]	[1011]	[1112]	[1213]	[1314]
	140	Outer forts	MOSMAN	Cultural Heritage	25	Other	Trim vegetation on an as-needs basis	DECC	(blank)	(blank)	[0910]	[1011]	[1112]	[1213]	[1314]
	141	Inner forts	MOSMAN	Cultural Heritage	25	Other	Trim vegetation on an as-needs basis	DECC	(blank)	(blank)	[0910]	[1011]	[1112]	[1213]	[1314]
	142	Sangrado St residential	MANLY	Human Settlement	9	Hazard Reduction	Mechanical and monitoring	LGA	(blank)	LGA	[0910]	[1011]	[1112]	[1213]	[1314]
	143	Office of Strategic Land (Seaforth Lots)	MANLY	Economic	10	Community Education	Community Fire Unit	NSWFB	(blank)	NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]
					37	Hazard Reduction	Mechanical and or burning	DL	(blank)	LGA,NSWFB	[0910]	[1011]	[1112]	[1213]	[1314]

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Appendix 4 Maps

Map One: North Sydney LGA

Map Two: Mosman LGA

Map Three: Manly LGA

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