

Bushfire Risk Management Strate







		Contact Information			f Reserve
	Agency	Position / Location	Phone		
	EMERGENCY	ANY FIRE	000	and Local Gov	ernment Are
K		Blue Mountains Regional Duty Officer / After Hours Pager	Call pager 016 301 161 and request the "Blue Mountains Regional Duty Officer". Leave brief message and a reply contact number Fire Room 4787 3107, 4787 3118. Fire exclusive line 4787 6094 4787 8514 (fax)	Winburndale NR	Portland Wallerawang
	National Parks	Kanangra Area Office,	6336 1972 - 6336 2122 (fax)	ξ	P
by heavy canopy or	& Wildlife Service	38 Ross St Oberon 2787	(Area Manager)		
sections (Limited)	(NPWS)	Blue Mountains Region	4784 7300 4784 7340 (Operations Coordinator) 4784 7306 (Senior Ranger, Fire) 4784 7311 (Regional Manager) 4782 6199 (fax)	Wambool Eusdale NR NR	Marrangaroo Lithgow
		Flight Services (Park Air)	9792 1788 9792 1602 (fax)	hadred +	Hartley H
	Rural Fire Service	Oberon District Office	6336 0493 - 6334 4672 (fax)	223	
	NSW Fire Brigades	Energency (see contacts list)	000	× ~	
	State Emergency Service (SES)	Emergency	132 500 (Emergency Line) 6351 3220 (Lithgow) 6336 1759 (Oberon)	Evans Crown NR	LITHGOW
	NSW Police Service	Emergency	6336 1000 (Oberon) 6352 8399 (Lithgow)	S	3
cuments	NSW Ambulance Service	Emergency (see contacts list)	000	Oberon)	
d Wildlife Service Fire nual, 2008. sure Reserve Fire ategy, June 2006.	Tourism Centres	NPWS Blue Mountains Heritage Centre Blackheath Oberon Tourism Lithgow Tourism	4787 8877 ext 1 6336 1895 6353 1859 - 6351 4259 (fax)	OBERON	m
	State Forests	Office	6331 2044 - 6331 5528 (fax)		5
	Local Councils	Lithgow Council Oberon Council	6354 9999 - 6351 4259 (fax) 6336 1100 - 6336 2061 (fax)		Jenolan KCR Kanangra-Boy
	WIRES	Bathurst	6331 1066		

Fire Management Zones		
Asset Protection Zones	The objective of APZ s is the protection of human life and property. This will have precedence over guidelines for the management of biodiversity. Maintain Overall Fuel Hazard at Moderate or below.	
Strategic Fire Advantage Zones	The objective of SFAZ s is to reduce fire intensity across larger areas. Maintain Overall Fuel Hazard at High or below, however adherence to guidelines for biodiversity will take precedence where practical.	
Land Management Zones	The objective of LMZ s is to conserve biodiversity and protect cultural and historic heritage. Manage fire consistent with fire thresholds.	
Zones	Manage fire consistent with fire thresholds.	



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	Operational Guidelines
	Refer to Fire Management Manual 2008.
Brief all pers	onnel involved in suppression operations on the following issues:
General	Guidelines
	 ? The use of bombing aircraft should support containment operations by aggressively attacking hotspots and spot-overs. ? The use of bombing aircraft without the support of around based
Aerial Water Bombing	 suppression crews should be limited to very specific circumstances. Where practicable foam should be used to increase the effectiveness of the water.
	? Ground crews must be alerted to water bombing operations.
Aerial Ignition	? Aerial ignition may be used during back-burning or fuel reduction operations where practicable, but only with the prior consent of NPWS Regional Manager or Section 44 delegate.
	? Utilise incendiaries to rapidly progress back-burns down slope where required.
Backburning	 ? Temperature and humidity trends must be monitored carefully to determine the safest times to implement back-burns. Generally, when the FDI is Very High or greater, backburning should commence when the humidity begins to rise in the late afternoon or early evening. With a lower FDI backburning may be safely undertaken during the day. ? Where practicable, clear a 1m radius around dead and fibrous barked trees adjacent to containment lines prior to backburning, or wet down these trees as part of the backburn ignition. ? Avoid ignition of backburns at the bottom of slopes where a long and
	 Intense up slope burn is likely. ? The first combatant agency on site may assume control of the fire, but then
Command & Control	 must ensure the relevant land management agency is notified promptly. On the arrival of other combatant agencies, the initial incident controller will consult with regard to the ongoing command, control and incident management team requirements as per the relevant BFMC Plan of Operations
	Operations.
Containment Lines	 Provide the containment lines should be avoided, where practicable, except where they can be constructed with minimal environmental impact. New containment lines require the prior consent of a senior NPWS officer. ? Where practicable, containment lines should be stabilised and rehabilitated
Containinent Lines	as part of the wildfire suppression operation.All containment lines not required for other purposes should be closed at the cessation of the incident.
	? All personal involved in containment line construction should be briefed on both natural and cultural beritage sites in the location
Earthmoving Equipment	 ? Earthmoving equipment not to be used in this reserve for firefighting purposes.
Fire Advantage Recording	? All fire advantages used during wildfire suppression operations must be mapped and where relevant added to the database.
	 ? Wetting and foaming agents (surfactants) are permitted for use in wildfire suppression. ? The use of fire retardant is only permitted with the prior consent of the
Fire Suppression Chemicals	senior NPWS officer, and should be avoided where reasonable alternatives are available.
Unionidado	 Areas where fire suppression chemicals are used must be mapped and the
	 Search and the second a
Rehabilitation	? Where practicable, containment lines should be stabilised and rehabilitated as part of the wildfire suppression operation.
Smoke Management	 ? The potential impacts of smoke and possible mitigation tactics must be considered when planning for wildfire suppression and prescribed burning operations. ? If smoke becomes a hazard on local roads or highways, the police and
	relevant media must be notified.Smoke management must be in accordance with relevant RTA traffic management guidelines.
Visitor Management	? The reserve may be closed to the public during periods of extreme fire danger or during wildfire suppression operations.
High Voltage Powerlines	 ? Always assume lines are energised ? Bushes or trees burning in powerline easements present a real threat of creating a phase to ground short – KEEP AT LEAST 25M CLEAR
Tree Management	? Any tree felling requires the prior consent of the Senior NPWS Officer and

	Threater	ned Fauna Fire Ecology
Label	Name	Fire Ecology
FA .	FA1 Booroolong Frog (Vulnerable)	 ? Buffer known habitat (rocky flowing streams) from all fire management activities. ? Avoid high frequency and intensity fires to limit erosion potential. ? Avoid fire during breeding season of August to early summer.
	FA2 Southern Bell Frog <i>(Vulnerable)</i>	 ? Buffer potential or known habitat (100m) from all fire management activities. ? Avoid high frequency fires – may lead to a build up of sediments in small ponds used for breeding. ? Avoid fire during breeding season. Breeding season is in warmer months, spring through to autumn, and is triggered by increase water flow and flooding events.
	FA3 Swift Parrot <i>(Endangered)</i>	 Maintain a mosaic of age classes within habitat. Avoid frequent, high intensity burns within known/potential habitat. Burns should be of low intensity preferably outside the flowering season of preferred feed trees, Eucalyptus spc.
	FA4 Barking Owl (Vulnerable)	 ? Low intensity burns will ensure that sufficient prey resource remains for the short-term survival. ? Protect known nest sites. ? Potential for inappropriate fire regimes to reduce habitat and prey diversity.
	FA5 Brown Treecreeper (Vulnerable)	 Hollows in standing dead or live trees and tree stumps are essential for nesting and need to be protected prior and post fire activity. Maintain fire frequency suitable for management of western slope Dry sclerophyll forest and western slopes Grassy woodlands (preferred vegetation assemblages).
	FA6 Grey-crowned Babbler <i>(Vulnerable)</i>	 ? Avoid high frequency fires, maintain open grassy woodlands habitat essential for this species. ? Avoid all fire during breeding season July to February, with nests located in shrubs, saplings and low branches. ? Protect known nesting sites from fire. ? Maintain mosaic burn within habitat to ensure food resources.
	FA7 Diamond Firetail (Vulnerable)	? Fire ecology unknown
	FA8 Brush-tailed Rock Wallaby <i>(Endangered)</i>	 ? Fire may reduce cover, increase predation. ? Protect refuge areas from high intensity burns. ? Avoid fire during breeding season. ? Maintain variety of age classes in understorey vegetation by mosaic burning. ? Monitor population demographic in relation to fire.

Vegetation Communities and Biodiversity Th		
Vegetation Community	Biodiversity Thresholds	Fire Behaviou
Dry Sclerophyll Forest (Shrub subformation)	 ? Avoid successive fires at intervals of < 7 years. ? Avoid fire exclusion for a period of > 30 years. 	Moderate
Grassland	 ? Avoid successive fires at intervals of < 2 years. ? Avoid fire exclusion for a period of > 10 years. 	Moderate
Grassy Woodland	 ? Avoid successive fires at intervals of < 5 years. ? Avoid fire exclusion for a period of > 40 years. 	Low
Heathland	 ? Avoid successive fires at intervals of < 7 years. ? Avoid fire exclusion for a period of > 30 years. 	High
Closed Forest	? Not applicable.	Low

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Resource Management Guidelines				
Resource	Guidelines			
Aboriginal Cultural Heritage Site Management				
Α	 ? Site unlikely to be affected by fire. ? Avoid ground disturbance including earthmoving machinery, hand tools and driving over sites. ? Avoid all water bombing activities that may cause ground disturbance. 			
	Historic Heritage Management			
H1	 ? As far as possible protect site from fire. ? Reduce fuel loads by mowing / slashing a 10m buffer around structure / item. 			
H2	 ? Heritage site unlikely to be effected by fire. ? Avoid use of earth moving machinery. ? Avoid all water bombing activities that may cause ground disturbance. 			
Threatened Property Management				
т	? Where possible property owners with assets at risk from a wildfire event should be kept informed regarding the progress of the fire; and asked for an assessment of their current level of asset protection preparedness			

Suppression Strategies			
Current FDR	Forecast FDR		
Low – Mod	Low – Mod	 ? As far as possible, undertake indirect, parallel or direct attack along existing control lines. ? As far as possible, maximise area burnt without threatening assets, including biodiversity. ? Identify and survey backup control lines. 	
Low – Mod	= > High	 ? Undertake indirect, parallel or direct attack to minimise the time taken to contain the fire. ? Construct new control lines if necessary to minimise the time to contain the fire. ? Identify and survey backup control lines. 	
High	All	 ? Undertake indirect attack along existing or newly constructed control lines. ? Secure and deepen control lines along the next predicted downwind side of the fire. ? Identify and survey backup control lines. 	
All	All	 ? Ensure there is sufficient time to secure control lines before the fire gets to them. ? If there is insufficient time to secure control lines, fall back to the next potential control line. ? As far as possible, implement threatened species and cultural heritage management guidelines. 	