Lachlan Valley National Park Office of Environment & Heritage NSW National Parks & Wildlife Sen **Gunning Gap Precinct** Fire Management Strategy 2012

This strategy should be used in conjunction with aerial photography and field reconnaissance during incidents and the development of incident action plans. These data are not guaranteed to be free from error or omission. The NSW National Parks and Wildlife and its employees disclaim liability for any act done on the information in the data and any consequences of such acts or omissions. This document is copyr ight. Apart from any fair dealing for the purpose of study, research criticism or review, as permitted under the copyright Act, no part may be reproduced by any process without written permission. This strategy is a relevant Plan under Section 38 (4) and Section 44 (3) of Rural Fires Act 1997. The NSW National Parks and Wildlife Service is part of the Office of Environment and Heritage. Published by the Office of Environment and Heritage (NSW), March 2011.

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	ISBN 978 1 74293 759 5 OEH 2012/0625	Date: August 2012	Version: 1
	Map Details Related Document		Related Documents
Datum: Geocentric Datum of Australia (GDA) 1994 Projection: Map Grid of Australia (MGA) Zone 55		1:50k Topographic Map: Jemalong 8431-S (AGD-1966)	OEH Fire Management Manual 2011 - 2012.
	Data: Spot Satellite Imagery: 2005.	Scale: Noted scales are true when printed	

on A1 size paper

	Drief all paragraph involved in companyation and the following increase uping the CMEACC formats	
	Brief all personnel involved in suppression operations on the following issues using the SMEACS format:	
General	Guidelines	
Aerial Water Bombing	 The use of bombing aircraft should support containment operations by aggressively attacking hotspots and spot-ove The use of bombing aircraft without the support of ground based 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, OEH Section 44 delegate or as prescribed in an operational burn plan, Aerial ignition will only be undertaken by accredited navigators & bombardiers, The pattern for aerial ignition will be specified in the IAP during fire suppression, Utilise incendiaries to rapidly burn out large areas where required. 	
Back-burning	 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, back-burning should commence when the humidity begins to rise in the late afternoon or early evening, with a lower FDI back-burning may be safely undertaken during the day, Where practicable, clear a 1m radius around dead and hollow bearing trees adjacent to containment lines prior to ba burning, or wet down these trees as part of the back-burn ignition, Use parallel containment lines when applicable, All personnel must be fully briefed before back-burning operations begin. 	
	Standard Incident Management Systems are to be applied,	
Command & Control	 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, Where OEH is not the first responding fire authority to arrive at a fire on OEH-managed lands, a competent officer of the first arriving fire authority will direct fire management activities until a competent OEH officer assumes control (unless prior agreements have been made). 	
Containment Lines	 Construction of new containment lines should be avoided, where practicable, except where they can be constructed with minimal environmental impact, For new containment lines IMT to liaise with and receive consent from a Senior NPWS officer prior to construction, Use parallel containment lines when applicable, 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 heritage sites in location, Containment line construction using earthmoving equipment must be in accordance with the earthmoving guidelines contained within the RFMS. 	
Earthmoving Equipment	 Earthmoving equipment may only be used with the prior consent of a senior NPWS officer, and then only if the probability of its success is high, Earthmoving equipment must always be guided and supervised by an appropriately experienced person, and accompanied by a support vehicle. When engaged in direct or parallel attack this vehicle must be a fire fighting vehi Containment lines constructed by earthmoving equipment should consider the protection of drainage features, obser the Threatened Species and Cultural Heritage Operational Guidelines, and be surveyed, where possible, to identify unknown cultural heritage sites, Earthmoving equipment must not leave tracks or create new tracks in Machinery Exclusion areas as marked on the Incident Map of a RFMS, Earthmoving equipment must be washed down, where practicable, prior to it entering NPWS estate and again on exiting NPWS estate, Where multiple items of earthmoving equipment are being used, the IMT should consider the establishment of a Plar Operations Manager. 	
Fire Advantage Recording	All fire advantages used during wildfire suppression operations must be mapped and where relevant added to the database.	
Fire Suppression Chemicals	 Use of wetting and foaming agents (surfactants) is permitted on the reserve, The use of fire retardants are only permitted with the prior consent of the senior NPWS officer and should be avoided where reasonable alternatives are available, Exclude the use of surfactants and retardants within 50m of watercourses, dams and swamps, Areas where fire suppression chemicals are used must be mapped and the used product's name recorded, The Threatened Species Operational Guidelines are to be observed. 	
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, 	
Structural Fire Fighting	 OEH personnel are not trained in structural fire fighting and must not enter a structure in order to undertake structural fire fighting, Fire suppression activities may be undertaken from outside a structure in accordance with the policies in the NPWS FMM, in order to protect a built asset. 	
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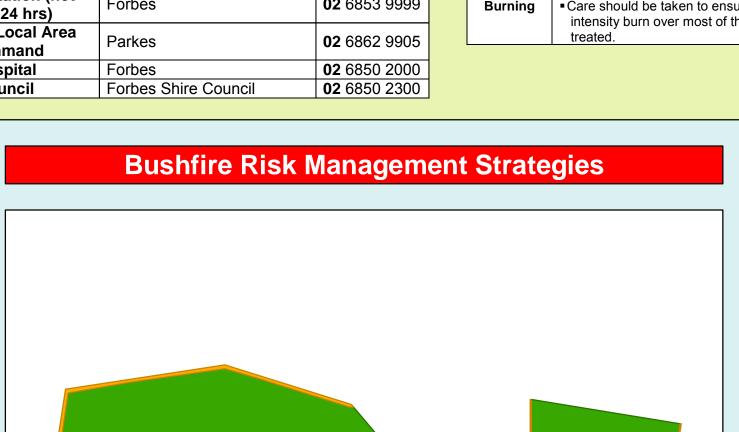
Status of Biodiversity Thresholds
N Scale 1:20,000 0 0.2 0.4 km
Within the threshold for vegetation in this area. Species have had
Within Threshold ■ A fire event is neither required nor should one necessarily be avoided.
Long Underburnt, excessive time since last fire, species may become extinct. • A fire event may be ecologically advantageous. Consider allowing unplanned fires to burn
No Fire Areas which do not have thresholds assigned to them, e.g. cleared land, rock, water bodies. NB. Fire thresholds are defined for vegetation communities to conserve biodiversity

Beware of overhead powerlines,

	Vegetation Map Legend			
Broad Vegetation Class	Vegetation Type	Biodiversity Thresholds	Fire Behaviour	
Forested Wetlands	River Red Gum Woodlands	An interval between fire events less than 10 years and greater than 35 years should be avoided. River Red Gums will only tolerate low intensity fires. Individual trees may survive canopy scorch if they are not under stress and are in older age classes. Younger trees will not survive moderate to high intensity fires. Two fires occurring in the same area in a period of less than 20 years apart may reduce the extent of River Red Gum Forests.	This vegetation community will generally not carry fire unless there are high ephemeral fuel loads, which generally occur after flooding events. In years of high ephemeral fuels, landscape fires are possib as fire potential will be very high to extreme, characterised by spotting from River Red Gums, which also form candles.	
Semi-arid Woodlands (Shrubby sub- formation)	Dwyers Red Gum, Mallee, Currawang & White Cypress Woodlands on Hillslopes & Crests	An interval between fire events less than 15 years should be avoided. There is no maximum interval between fire events specified for this vegetation type as there was insufficient data to give definite intervals.	Fire intensity ranges from moderate to high and is largely influenced by ephemeral growth. Backburning may be difficult in years with low ephemeral fuels.	
Grassy Woodlands	Grey & Yellow Box on Alluvial Plains and Small Sandhills Poplar Box, White Cypress Pine and Grey Box on slopes and Rises Mixed Eucalypt Woodlands on Plains & Rises	An interval between fire events less than 8 years and greater than 40 years should be avoided.	High intensity fast moving fire once grasses have cured. Fire behaviour is dominated by winds, both speed and direction. Even in very low fuel, grass fires can erratic and fast moving. In ephemeral years intensity will be higher and in drought years minimal growth will result in moderate fire behaviour but potentially still fast moving depending on weather conditions at the time. Potential spotting from trees.	
Grassland	Mid-High Tall Closed Tussock Grassland	An interval between fire events less than 3 years and greater than 10 years should be avoided.		
Other	Non-native vegetation	N/A		
Fire History	The fire history data for this area is incomplete.			
Ephemeral Conditions	ar se su seption communitation de contra de servicion de la ligitation de contra de contra de contra de contra			
Drought Conditions		getation communities are visibly stressed it will be very difficu very low. Wildfire areas will be minimised.	It to undertake prescribed burning across many	
Mosaic Burning	This reserve may not have experienced fire over an extended period of time, therefore a mosaic approach to fire management with post fire recovery and response assessments should be undertaken. Apply fire in a pattern across the reserve that allows gaps in both time and space, small verses large areas scattered and variable times between fires in any location. If possible leave some areas of each vegetation community unburnt, as an end stage and reference site.			

Contact Information		
Agency	Position / Location	Phone
National Parks & Wildlife Service	Duty Officer (8am-10pm)	02 6332 6350
	Forbes Office – 1 Camp St Forbes	02 6851 4429
	Regional Office – 200 Yambil St Griffith	02 6966 8100
NSW Rural Fire	Fire Control Centre	02 6851 1541
Service Mid Lachlan Valley Team	Ken Neville, Team Manager	0427 253 983
NSW Fire Brigades	Forbes Fire Station	02 6851 1843
State Forests	Forbes – Duty Mobile	0428 696 678
Emergency Services		000
SES		13 2500
Police Station (not open 24 hrs)	Forbes	02 6853 9999
Police - Local Area Command	Parkes	02 6862 9905
Hospital	Forbes	02 6850 2000
Council	Forbes Shire Council	02 6850 2300

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	Fire	Season Information
	Wildfires	 The critical wildfire season generally occurs from October/November to March/April. Dry lightning storms frequently occur and typical fire weather conditions ar winds from the west to the north, high day time temperatures and low humi. Particular care is required following periods of Winter rain and after period of negative Southern Oscillation India
	Prescribed Burning	 Prescribed burning should generally bundertaken during Autumn, Winter or early Spring Care should be taken to ensure a low intensity burn over most of the area treated.



N Scale 1:20	0,000 0.4 km
Fire Management Zones	
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.
	Suppression Strategies

Suppression Strategies		
Season	Typical Conditions	Indicative Suppression Strategies
Just prior to or during the critical fire season	 Current Fire Danger Rating (FDR) of Very High or Greater, Short and medium range forecasts suggest conditions typical to a FDR of Very High or Greater, A risk to life and/or property exists in the short – medium term, A broad area risk to biodiversity exists. 	Direct Initial attacks should be to try to extinguish or to contain to the smallest possible area. Indirect Develop a suppression plan using existing and/or potential containment lines. If possible take into account biodiversity requirements but never to the detriment of life and property.
Outside of the critical fire season	 FDR of High or below, Short – medium term forecast indicate a continuing FDR of High or below No risk to life or property exists in the short-medium term, Only small area risk to biodiversity exists. 	Direct Evaluate the biodiversity thresholds and use direct attack methods to extinguish if required. Indirect Develop a fire suppression plan to the maximum allowable perimeter based on Biodiversity thresholds.

