



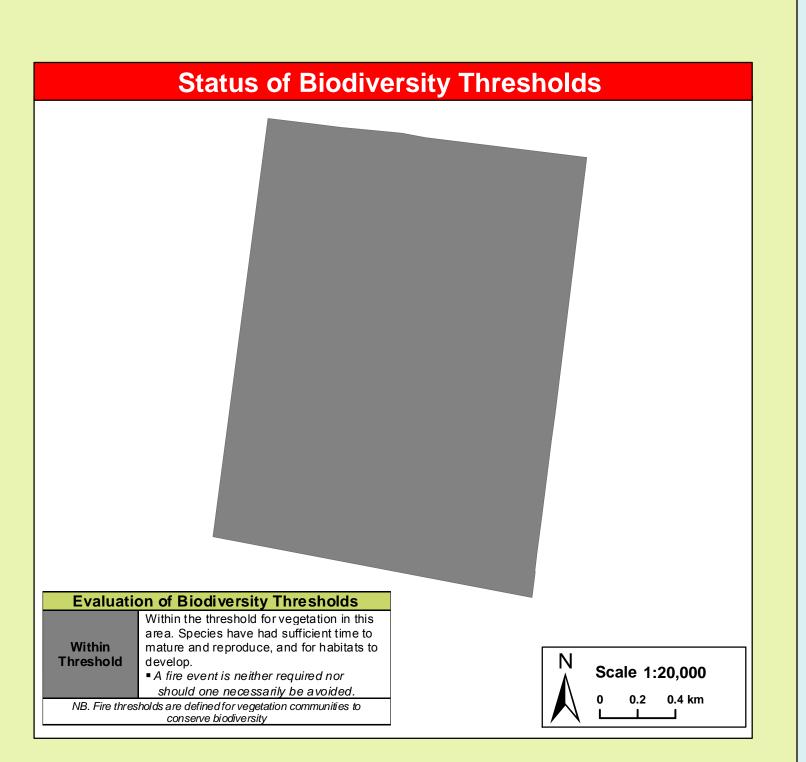
This strategy should be used in conjunction with aerial photography and field reconnaissance during incidents and the development of incident action plans.

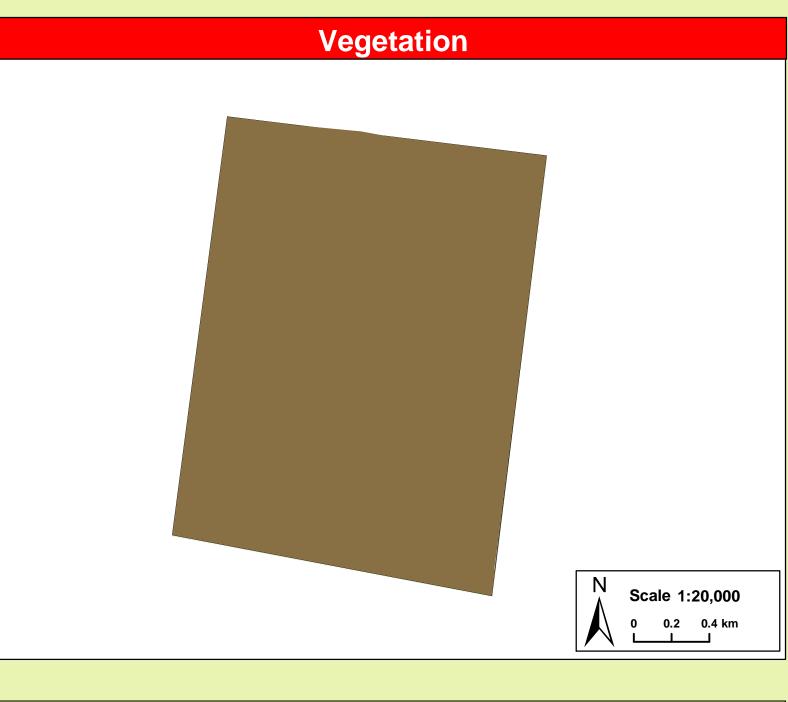
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SBN : 978 1 74359 076 8 OEH : 2013/0304	Date: July 2014	Version: 1
Map Det	tails	Related Documents
Datum: Geocentric Datum of Australia (GDA) 1994 Projection: Map Grid of Australia (MGA) Zone 55 Data: Spot Satellite Imagery: 2005.	1:50k Topographic Map: Monia Gap 8030-N (AGD-1966) Scale: Noted scales are true when printed on A1 size paper	OEH Fire Management Manual 2013 – 2014

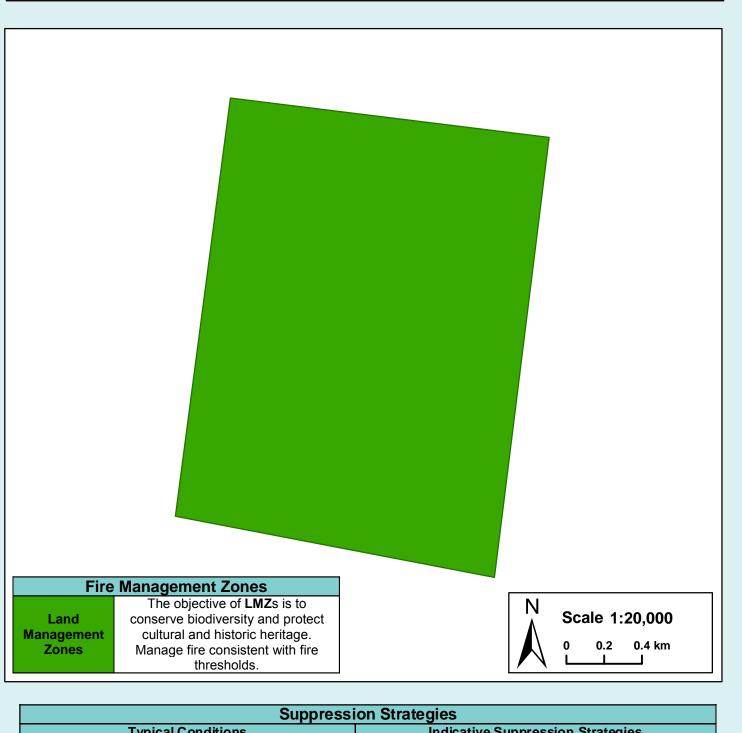
Operational Guidelines			
Br	ief all personnel involved in suppression operations on the following issues using the SMEACS format:		
General	Guidelines		
Aerial Water Bombing	 The use of bombing aircraft should support containment operations by aggressively attacking hotspots and spotovers, The use of 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,		
Back-burning	 Ground crews must be alerted to water bombing operations. Temperature and humidity trends must be monitored carefully to determine the safest times to implement backburns. 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 back-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. 		
Command & Control	 Standard Incident Management Systems are to be applied, The first combatant agency on site may assume control of the fire, but then must ensure the relevant land management agency is notified promptly. On the arrival of other combatant agencies, the Incident Controller will consult with regard to the ongoing command, control and incident management team requirements as per the relevant BFMC Plan of Operations. 		
Containment Lines	I ■Lise narallel containment lines when applicable		
 Earthmoving equipment may only be used with the prior consent of a senior NPWS officer, and then only if probability of its success is high, Earthmoving equipment must always be guided and supervised by an appropriately experienced person, a accompanied by a support vehicle. When engaged in direct or parallel attack this vehicle must be a fire figure vehicle, Containment lines constructed by earthmoving equipment should consider the protection of drainage feature observe the Threatened Species and Cultural Heritage Operational Guidelines, and be surveyed, where possible, to identify unknown cultural heritage sites, Earthmoving equipment must be washed down, where practicable, prior to it entering NPWS estate and acceptance of earthmoving equipment are being used, the IMT should consider the establishmer Plant 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, 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 prescribed burning or wildfire suppression operations. 		
WARNINGS	■ LOOKOUT for unmapped overhead powerlines.		
Water	 Lake Ballyrogan 10km to the North East – seasonal. Water cart may be brought from Hillston, 30km to the West. 		





Vegetation Map Legend			
Broad Vegetation Class	Vegetation Types	Biodiversity Thresholds	Fire Behaviour
Semi-arid Woodlands (Shrubby sub- formation)	Sand Plain Mallee Woodland of red mallee Eucalyptus dumosa - white mallee E. socialis - yorrell E.gracilis association. Semi-arid Sand Plain Woodland of white cypress pine Callitris glaucophylla - red box Eucalyptus intertexta.	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.	These vegetation communities generally have a moderate fire potential. Fire intensities range from moderate to high and is largely influenced by ephemeral growth. Low ground fuels in normal years will only allow for patchy fires unless weather conditions are extreme. Back-burning may be difficult in years with low ephemeral fuels. Crown fires are likely in high to very high and above fire danger periods in the mallee areas.
Fire History	There has been no recorded fire over the reserve area.		
Ephemeral Conditions	Ephemeral fuel conditions occur after consecutive years of effective rainfall. This in turn leads to the growth and build up of fine surface fuels such as grasses and her bs, which can create a continuous fuel load across the above vegetation community. As such expect higher fire intensity.		
Drought Conditions	During drought conditions and when vegetation communities are visibly stressed it will be very difficult to undertake prescribed burning across many communities as the surface fuels will be very low. Wildfire areas will be minimised.		

Bushfire Risk Management Strategies



Suppression Strategies		
Typical Conditions Indicative Suppression Strategies		
 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.	
 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, 	Direct Evaluate the biodiversity thresholds and use direct attack methods to extinguish if required. Indirect Develop a fire suppression plan to the maximum allowable	

Only small area risk to biodiversity exists.

perimeter based on Biodiversity thresholds.

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 are winds from the west to the north, high day time temperatures and low humidity Particular care is required following periods of Winter rain and after periods of negative Southern Oscillation Indices.
Prescribed Burning	 Prescribed burning should be undertaken during Autumn. Care should be taken to ensure a moderate intensity burn over most of the area treated.

	Communications Information		
	Service	Channel	Location and Comments
	NPWS	11	■VHF Fire Ground 1
	INFVVS	10	■UHF
	RFS Brigades	19	Bunda North
	UHF	20	All other brigades
		P041	■Conapaira Trig
	RFS Carathool	P028	■Mount Bingar
		P011	■Mt Bootheragandra
	RFS Digital	S060	■Scenic Hill
	PMR	S005	■MIA Vote Group
	Mobile phone of	coverage like	ely to be unreliable.

National Parks & Wildlife Service Duty Officer Mid West Area & Regional Office – 200 Yambil St Griffith 02 633 02 696	one 32 6350 66 8100	
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& Wildlife Service Office – 200 Yambil St Griffith	36 8100	
Griffith	66 8100	
NSW Rural Fire Fire Control Centre 02 696	66 7800	
	66 7887	
Fire and Rescue NSW Griffith Fire Station 02 696	64 4152	
Emergency Services 000		
SES 13 250	00	
Police Station (not Hillston 02 696	67 2544	
open 24 hrs)	77 2544	
Police - Local Area Griffith 02 696	69 4310	
Command	02 0000 4010	
Hospital Griffith Base 02 696	39 5555	
Council	32 8100	
Carathool Shire Council 02 696	55 1900	
Local Aboriginal Land Griffith O2 696	62 6711	

	Threatened Sites Guidelines		
Site	Guidelines		
	Aboriginal Cultural Heritage Site Management		
An Aboriginal sites survey is yet to be conducted for this reserve (as of January 2014). Therefore Aboriginal sites may be present and consideration in engaging a Senior NPWS Officer or Aboriginal Sites Officer prior to hazard reduction and wildfire suppression activities is required.			
	Threatened Fauna Management		

Threatened species although not present on the incident map have been sighted throughout the reserve including Mallefowl, Major Mitchells , Shy Heathwren's, Chestnut Quail Thrush, Grey Crowned Babbler and Hooded Robins

