Langtree Nature Reserve Fire Management Strategy 2014 Mapsheet 1 of 1

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

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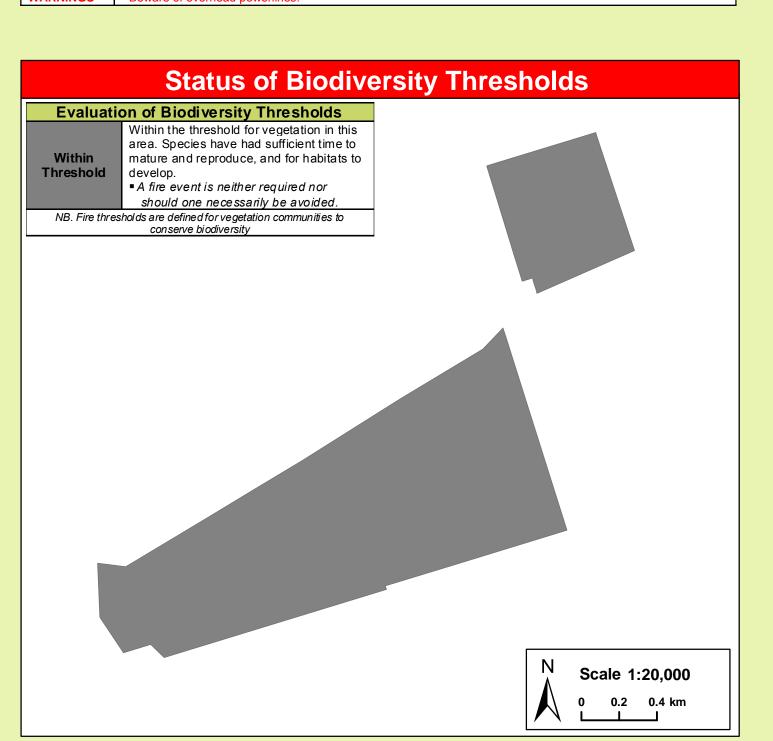
Date: July 2014

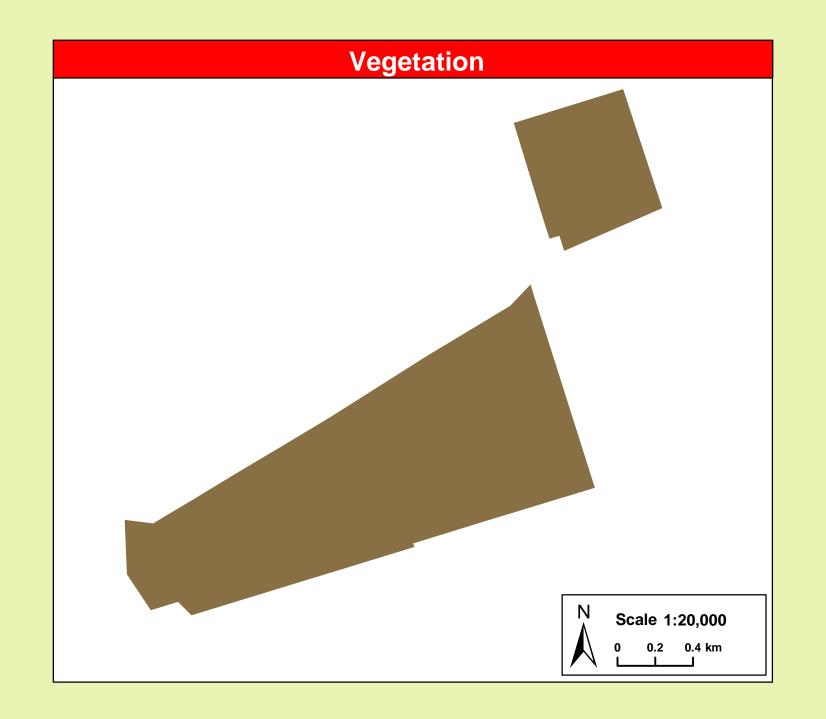
Map Det	ails	
Datum: Geocentric Datum of Australia (GDA) 1994	1:50k Topographic Map: Monia Gap 8030-N	
Projection: Map Grid of Australia (MGA) Zone 55	(AGD-1966)	
Data: Spot Satellite Imagery: 2005.	Scale: Noted scales are true when printed on A1 size paper	
	A I SIZE PAPEI	

Related Documents OEH Fire Management Manual 2013 – 2014 .

Version: 1

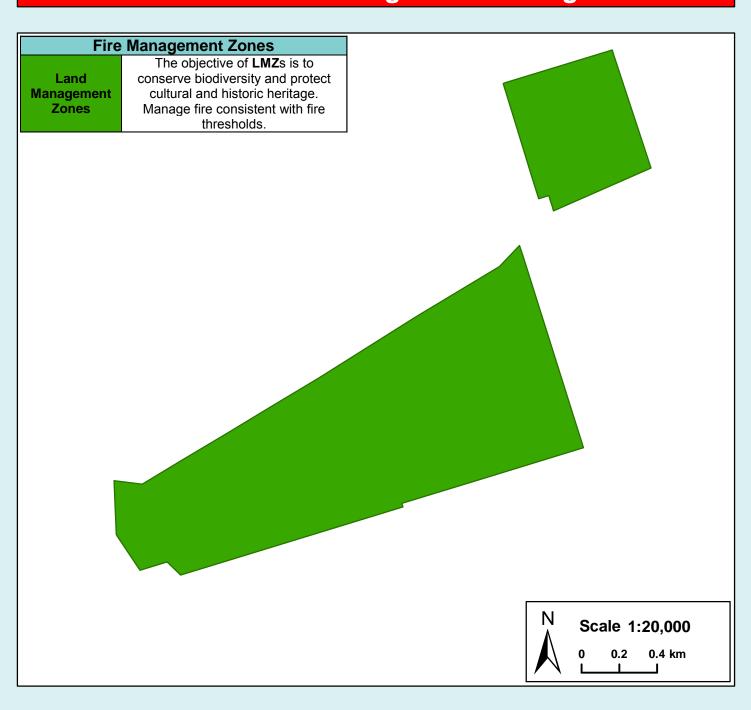
Operational Guidelines			
Brief all personnel involved in suppression operations on the following issues using the SMEACS format:			
General	neral Guidelines		
	■ The use of bombing aircraft should support containment operations by aggressively attacking hotspots and spot-		
Aerial Water Bombing	overs, 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 Senior Officer, Section 44 delegate or as prescribed in an operational burn plan, The use of aerial ignition as a fire suppression tool should be specified in the IAP or within the prescribed burn plan. Aerial ignition will only be undertaken by qualified and competent navigators and bombardiers, 		
	• Utilise aerial ignition to rapidly burn out large areas and or reduce spotting potential by preventing longer uphill fire runs.		
	■ 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,		
Back-burning	 Where practicable, clear a 1m radius around dead and hollow bearing trees adjacent to containment lines prior t 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 and only after IC Approval has been sought. 		
	■ Standard Incident Management Systems are to be applied,		
Command & Control	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	 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 site in the 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 vehicle, Containment lines constructed by earthmoving equipment should consider the protection of drainage features, 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 again o exiting NPWS estate, Where multiple items of earthmoving equipment are being used, the IMT should consider the establishment of a 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		
Smoke Management	 The potential impacts of smoke and possible mitigation tactics must be considered when planning for wildfire suppression and prescribed burning operations, 		
Water	The Water Point - Vehicle (WV) shown on this map is rainfall fed only and is therefore seasonal. Possible water point at homestead 5km west on Peters Rd. Recommend water cart from Hillston (23km north) or Merriwagga (20km south).		
WARNINGS	Beware of overhead powerlines.		





	Vegetation Map Legend		
Broad Vegetation Class	Vegetation Types	Biodiversity Thresholds	Fire Behaviour
Semi-arid Woodlands (Shrubby sub- formation)	Semi-arid Sand Plain Woodlands of belah Casuarina pauper, rosewood Alectryon oleifolius, white cypress pine Callitris glaucophylla and red box Eucalyptus intertexta Sand Plain Mallee Woodlands of red mallee Eucalyptus socialis – white mallee E. dumosa – yorrell E. gracilis association	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 low to high and are 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 herbs, 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	Direct	
or Greater,	Initial attacks should be to try to extinguish or to contain to the	
 Short and medium range forecasts suggest conditions typical to a FDR of Very High or 	smallest possible area.	
Greater,	Indirect	
 A risk to life and/or property exists in the short – medium term, 	Develop a suppression plan using existing and/or potential containment lines. If possible take into account biodiversity	
■ A broad area risk to biodiversity exists.	requirements but never to the detriment of life and property.	
	Direct	
■FDR of High or below,	Evaluate the biodiversity thresholds and use direct attack	
 Short – medium term forecast indicate a continuing FDR of High or below 	methods to extinguish if required.	
■ No risk to life or property exists in the short-	Indirect	
medium term,	Develop a fire suppression plan to the maximum allowable	
 Only small area risk to biodiversity exists 	perimeter based on Biodiversity thresholds	

Contact Information		
Agency	Position / Location	Phone
	Duty Officer	02 6332 6350
National Parks & Wildlife Service	Mid West Area & Regional Office – 200 Yambil St Griffith	02 6966 8100
NSW Rural Fire	Fire Control Centre	02 6966 7800
Service MIA District	Duty Officer	02 6966 7887
Fire and Rescue NSW	Hillston Fire Station Griffith Fire Station	02 6967 2610 02 6964 4152
Emergency Services		000
SES		13 2500
Police Station (not open 24 hrs)	Hillston	02 6967 2544
Police - Local Area Command	Griffith	02 6969 4310
Hospital	Hillston Griffith Base	02 6967 2502 02 6969 5555
Council	Griffith City Council Carathool Shire Council	02 6962 8100 02 6965 1900
Local Aboriginal Land Council	Griffith	02 6962 6711

Threatened Sites Guidelines		
Site	Guidelines	
Aboriginal Cultural Heritage Site Management		
Note	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	

Although not shown on this map there are some vulnerable species that have been sighted previously on the reserve including the Little Eagle, Major Mitchell Cockatoo, Grey-crowned Babbler, Varies Sitella and Hooded Robin. Please consult your local NPWS for more information.

	Commu	unications	Information
	Service	Channel	Location and Comments
	NPWS	11	■VHF Fire Ground 1
		10	■UHF
	RFS UHF	20	All Brigades
	RFS PMR	P011	■Mt Bootheragandra
	Carrathool	P041	Conapaira Trig
	RFS Digital	S060	■Scenic Hill
	PMR	S005	■MIA Vote Group
	State Forests	292	- Cauara Knah
	VHF Repeater	292	■Square Knob
	Mobile phone	e coverage like	ly to be unreliable.

Fire Season Information

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. 	



