



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 copyright. 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).

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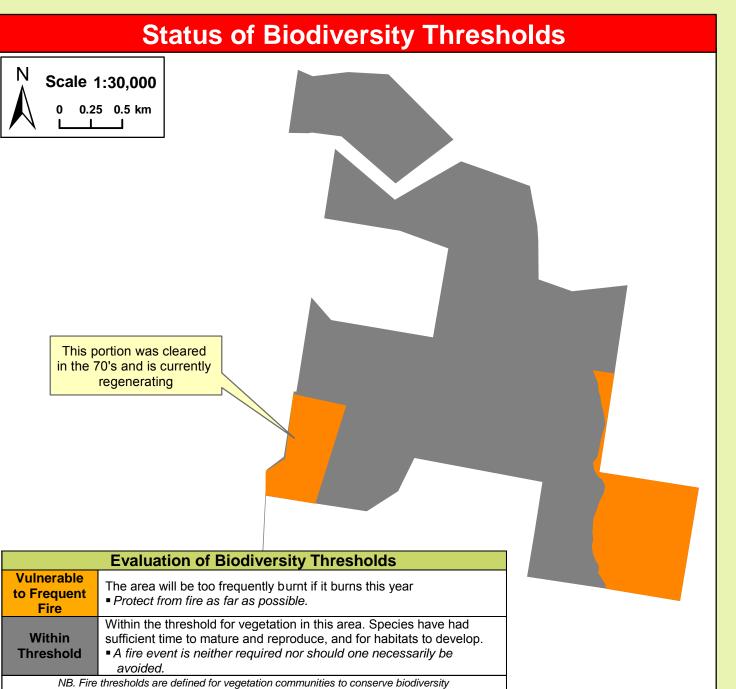
Map De	Related Documents	
Datum: Geocentric Datum of Australia (GDA) 1994	1:50k Topographic Map: Ariah Park 8329-S	OEH Fire Management
Projection: Map Grid of Australia (MGA) Zone 55	Scale: Noted scales are true when printed on	Manual 2013 - 2014.
Data: Spot Satellite Imagery: 2005.	A1 size paper	

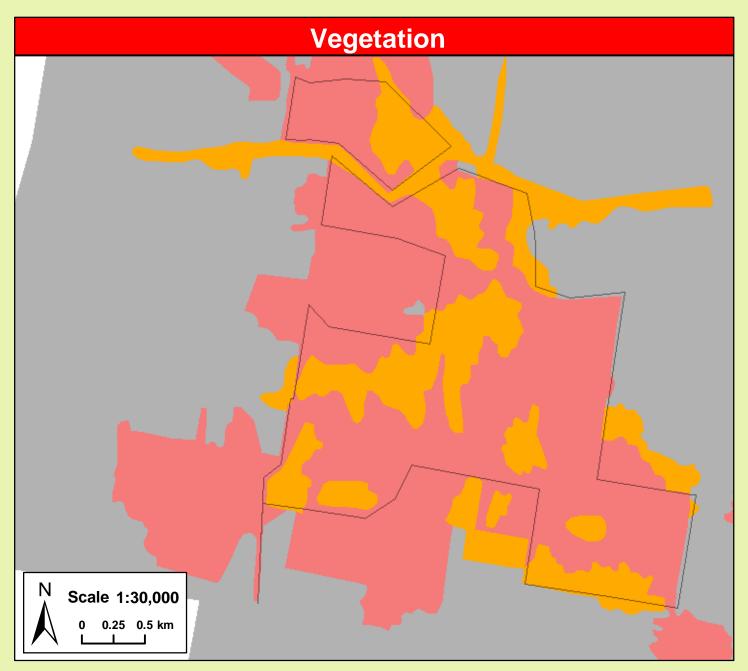
perational	Guidelines	

Brief all personnel involved in suppression operations on the following issues using the SMEACS format:

The use of bombing aircraft should support containment operations by aggressively attacking hotspots and spot-The use of bombing aircraft without the support of ground based suppression crews should be limited to very Where practicable foam should be used to increase the effectiveness of the water,

Aerial Water • Ground crews must be alerted to water bombing operations. 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, 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 aerial ignition to rapidly burn out large areas where required. · 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 Back-burning • 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. 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. 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 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 Containment line construction using earthmoving equipment must be in accordance with the earthmoving guidelines contained within the RFMS. ■ 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 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 Equipment 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 Where multiple items of earthmoving equipment are being used, the IMT should consider the establishment of a • All fire advantages used during wildfire suppression operations must be mapped and where relevant added to Advantage Recording 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 Suppression Chemicals 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. • Where practicable, containment lines should be stabilised and rehabilitated as part of the wildfire suppression ■ 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. • 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. The reserve may be closed to the public during periods of extreme fire danger or during prescribed burning or wildfire suppression operations. There is a large dam in the middle of the reserve on private property It would be recommended to get a water cart from Temora Beware of overhead powerlines.





Vegetation Map Legend			
Broad Vegetation Class	Vegetation Type	Biodiversity Thresholds	Fire Behaviour
Dry Sclerophyll Forest (Shrub/ grass subformation)	Scattered Mugga Ironbark Western Grey Box Woodland/ Dry Heathland/ Low Open Woodland	An interval between fire events less than 10 years and above 30 years should be avoided.	In long unburnt areas, very high to extreme potential for spotting due to bark fuels. Isolated areas with heavy ground fuel may have the potential for very high fire behaviour. High to extreme elevated fuel hazard due to heathy understorey.
Dry Sclerophyll Forest (Shrub/ grass subformation)	Mugga Ironbark/ Westem Grey Box/Black Cypress Pine/Open Shrubby Understorey	An interval between fire events less than 10 years and above 30 years should be avoided.	In long unburnt areas, very high to extreme potential for spotting due to bark fuels. Isolated areas with heavy ground fuel may have the potential for very high fire behaviour.
Cleared/ Cropland	Cleared/ Cropland	No fire regime, where there is a high percentage of native grasses, the area should be managed for the likely previous formation, for example Grassy Woodlands (10 – 30 years).	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 be erratic and fast moving. In ephemeral years fire 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.
Fire History Fires in this reserve are rare; there have been two fires in Big Bush Nature Reserve in the last forty years. Other ignitions of individual trees by lightning have occurred, but have been extinguished before developing into a fire.			
Ephemeral Conditions 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 all of the above vegetation communities. As such expect a higher fire intensity.			
Drought 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. Wildfires are likely to be difficult to			

control due to extreme conditions during the day and areas of low fuel that are difficult to back-burn in under night-

fire in a pattern across the reserve that allows gaps in both time and space, small verses large areas, scattered and

Threatened Asset

5**370**00m.**E**

A mosaic approach to fire management with post fire recovery and response assessments should be undertaken. Apply

variable times between fires in any location. If possible leave some areas of each vegetation community unburnt, as an

Communications Information			
Service	Channel	Location and Comments	
NPWS	11 10	■VHF Fire Ground ■UHF	
RFS PMR	P008	■Ariah Park	
RFS PMR	P029	■Gogobilly Hill	
Mobile p	hone covera	ge is unreliable.	

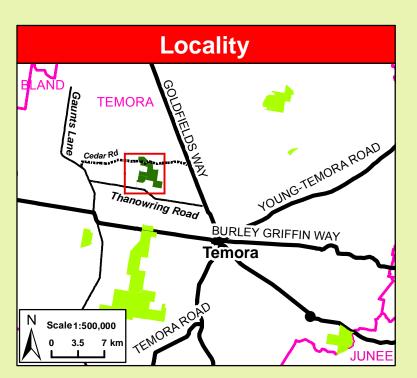
RFS Fire Br	igade Ar	eas & T	owers
Mandamah - Bland	1	Moranga	rell - Temora
- Lange	Pinnacle	F	
Ariah Park	NO PER	Narra	aburra
Quandary - Pucawa	an By		//
P008	Z		
Th	Non-RFS - Fire	Brigade	Springdale
Tara - Bectric	Com	baning South	5 P029
N Scale 1:500,000 0 2.5 5 km	λ	balling Coulin	- Land
sa Liu sa			~ Dirnaseer

Fire Season Information 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 should generally be undertaken from autumn to early Spring Prescribed Care should be taken to ensure sufficient Burning fuel is available to allow a low to moderate burn over most of the area identified.

Incident Map



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 (Temora)	02 6977 4737		
Service Bland/Temora Zone	Fire Control Centre (Bland)	02 6970 1100		
Zone	Duty Officer	02 6972 0038		
Fire and Rescue NSW	Temora Fire Station	02 6978 0544		
Emergency Services		000		
SES		13 2500		
Police Station (not open 24 hrs)	Temora	02 6977 2044		
Police - Local Area Command	Wagga	02 6922 2599		
Hospital	Temora	02 6977 1066		
Council	Temora Shire Council Junee Shire Council	02 6980 1100 02 6924 8100		
Local Aboriginal Land Councils	Young Narrandera	02 6382 5669 02 6959 1823		

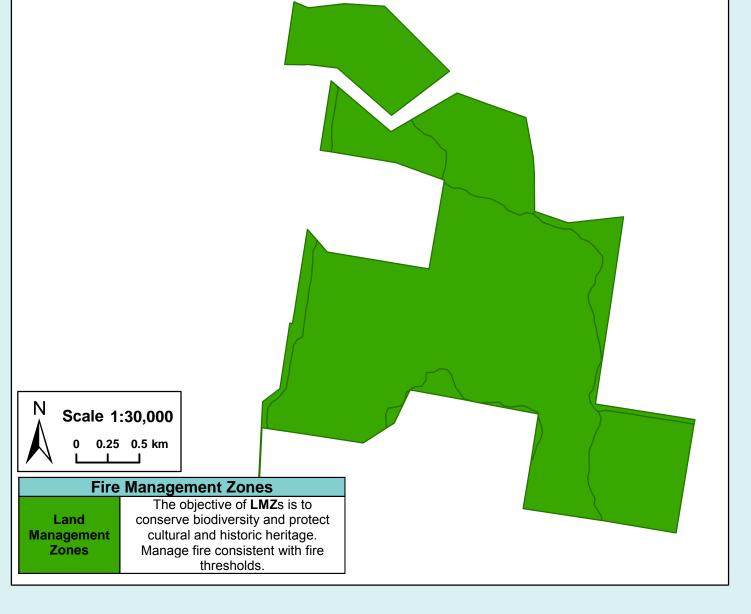
Threatened Sites Guidelines		
Site	Guidelines	
Aboriginal Cultural Heritage Site Management		
Note	An aboriginal sites survey is yet to be conducted for this reserve (as of April 2014). Therefore aboriginal sites may be present and consideration in engaging a Senior NPWS Officer or Aboriginal Sites Officer prior to hazard reduction and wildfire suppression activities is required.	
Threatened Fauna Management		
Although not shown on this map there are a range of vulnerable		

Little Eagle, Superb Parrot, Barking Owl, Brown Treecreeper, Greycrowned Babbler, Varied Sitella, Flame robin and the Diamond firetail. Also the **endangered** species the Swift Parrot has been seen.

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Threatened Fauna Management		
Although not shown on this map there are a range of vulnerable species that have been sighted on the reserve.		

end stage and reference site.

Consideration of these when planning prescribed burn activities is essentiall and for more detailed information contact NPWS.



Bushfire Risk Management 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, Only small area risk to biodiversity exists.	Develop a fire suppression plan to the maximum allowable perimeter based on Biodiversity thresholds.

