



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

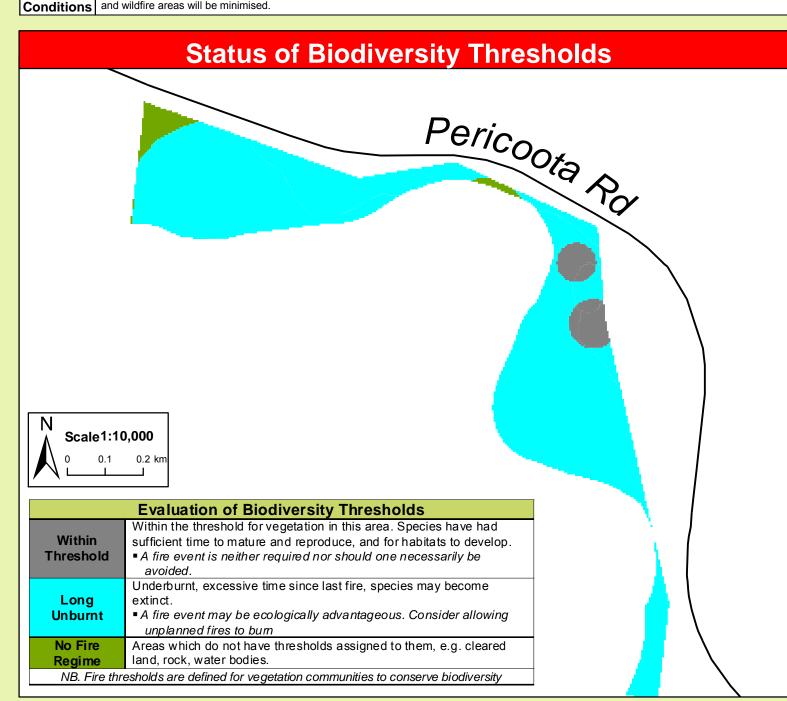
consequences of such acts or omissions. This document is copyright. A part from any fair dealing for the purpose of study, research criticism or review, as permitted under the copyright Act, no part may be reproduced by any process without written permission. This strategy is a relevant Plan under Section 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. Contact: OEH PWG Regional Office: 200 Yambil St, Griffi th NSW 2680 P.O. Box 1049 Griffith NSW 2680 ph. 02 6966 8100 SRN 978 1 74293 649 9 OFH 2012/0415 Date: August 2012

ISBN 978 1 74293 649 9 UEH 2012/04 15	Date: August 2012	version No: 1
Мар	Details	Related Documents
Datum: Geocentric Datum of Australia (GDA) 19	1:50k Topographic Map: Moama 78	325-N OEH Fire Management Manual 2011 -
Projection: Map Grid of Australia (MGA) Zone 5	55 (AGD-1966)	2012.
Data: Spot Satellite Imagery: 2005.	Scale: Noted scales are true when pr	rinted

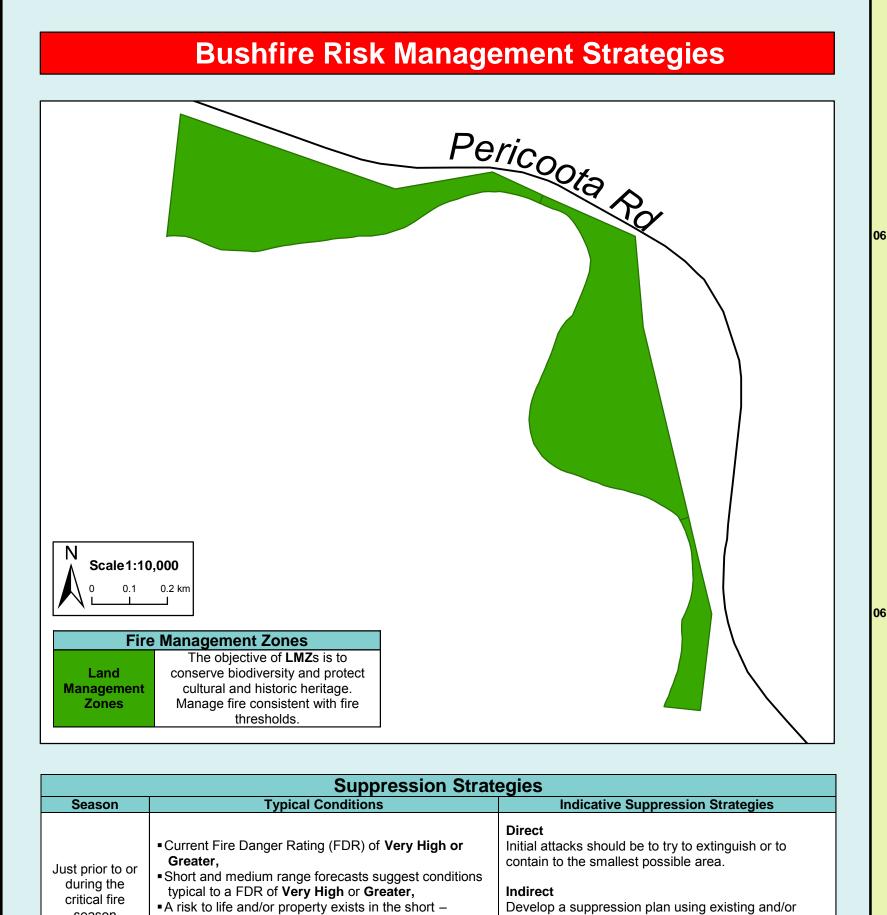
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	Vegetation	
	Perico	Pota Ro
N Scale1:10,000 0 0.1 0.2 km		

Vegetation Map Legend			
Broad Vegetation Class	Vegetation Type	Biodiversity Thresholds	Fire Behaviour
Forested Wetlands	River Red Gum Forests	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.	These vegetation communities will generally not carry fire unless there are high ephemeral fuel loads, which generally occur after flooding events. In favourable years the River Red Gum forests can be scattered with 2m high reed beds, which can result in isolated areas of very high to extreme fire behaviour. In years of high ephemeral fuels, landscape fires are possible
Freshwater Wetlands	Rush – Sedge – Common Reed Wetlands	An interval between fire events less than 10 years and greater than 35 years should be avoided.	as fire potential will be very high to extreme, characterised spotting from River Red Gums, which commonly form candles. In periods of high ephemeral fuel loads the wetlands pose a risk of extreme fire intensities, hot – fast moving fires and rapid change in direction associated with wind.
Grassy Woodlands	Riverine Inland Grey Box Woodland	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.
Other	Cultivated Land	No fire regime , where there is a high percentage of native grasses, the area should be managed for the likely previous formation, for example Forested wetlands (10 – 35 years).	As above.
Water		N/A	
Fire	Wildfires are gene	rally attributed to humans either from escaped campfires, discard	ded cigarettes and matches or deliberate ignitions. A lower

Wildfires are generally attributed to humans either from escaped campfires, discarded cigarettes and matches or deliberate ignitions. A lower number of fires can be attributed to lightning strikes. Only 2 fires have been documented and both were less than 1 Ha in area. Ephemeral Conditions
Ephemeral Function
Ephemeral Ephemeral Function
Ephemeral Conditions
Ephemeral Function
Ephemeral Functi During drought conditions and when vegetation communities are visibly stressed or experiencing dieback no prescribed burning will be permitted



Operational Guidelines Brief all personnel involved in suppression operations on the following issues using the SMEACS format: General • The use of bombing aircraft should support containment operations by aggressively at tacking hotspots and spot-overs, **Aerial Water** ■ 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 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, Ignition 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. 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 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, • 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). Construction of new containment lines should be avoided, where practicable, except where they can be constructed with minimal • For new containment lines IMT to liaise with and receive consent from a Senior NPWS officer prior to construction, Containment 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 h eritage sites in the location, • Containment line construction using earthmoving equipment must be in accordance with the earthmoving guidelines contained within the • 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 • 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, Earthmoving • 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 not leave tracks or create new tracks in Machinery Exclusion areas as marked on the Incident Map of a • 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 Plant Operations Manager. • All fire advantages used during wildfire suppression operations must be mapped and where relevant added to the database. 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 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. **Rehabilitation** • Where practicable, containment lines should be stabilised and rehabilitated as part of the wildfire suppression operation. The potential impacts of smoke and possible mitigation tactics must be considered when planning for wildfire suppression and prescribed burning operations, Smoke If smoke becomes a hazard on local roads or highways, the police and relevant media must be notified, Management 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 fi ghting, Structural Fire suppression activities may be undertaken from outside a structure in accordance with the policies in the NPWS FMM, in order to protect Fire Fighting **Visitor** The reserve may be closed to the public during periods of extreme fire danger or during prescribed burning or wildfire suppression Management operations. Reserve prone to flooding and only some trails will be trafficable after flood events or rainfall.



medium term,

FDR of **High or below**,

FDR of **High or below**

■ A broad area risk to biodiversity exists.

Only small area risk to biodiversity exists.

■ Short – medium term forecast indicate a continuing

No risk to life or property exists in the short-medium

potential containment lines. If possible take into

detriment of life and property.

account biodiversity requirements but never to the

Evaluate the biodiversity thresholds and use direct

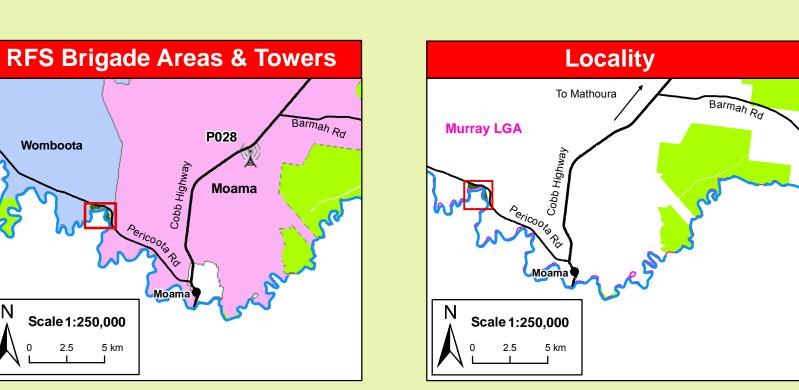
Develop a fire suppression plan to the maximum

allowable perimeter based on Biodiversity thresholds

attack methods to extinguish if required.

Threatened Sites Guidelines Guidelines **Aboriginal Cultural Heritage Site Management** An aboriginal sites survey is yet to be conducted for this reserve (as of August 2012), Therefore aboriginal sites may be present that are not shown on the Incident Map of this Avoid fire and grading control lines within 100 m of a water course, wherever possible, to protect unknown aboriginal sites. Threatened Fauna Management Utilise mosaic burning and avoid disturbance at known sightings, roostings or refuges and avoid frequent fire (<6

Scale 1:250,000



Prescribed

Burning

Fire Season Information

Season Information		Co	ontact Information	
■ The critical wildfire season generally occurs		Agency	Position / Location	Phone
from October/November to March/April.			Duty Officer (8am-10pm)	02 6332 6350
 Dry lightning storms frequently occur and typical fire weather conditions are winds from 		National Parks & Wildlife Service	Regional Office – 200 Yambil St. Griffith	02 6966 8100
the west to the north, high day time			Murray Area Office	03 5483 9100
temperatures and low humidity Particular care is required following periods of		Mid Murray Zone NSW Rural Fire	Duty Officer (AH)	03 5881 6297
Winter rain and after periods of negative Southern Oscillation Indices.		Service	Deniliquin FCC 305 Duncan St, Deniliquin	03 5881 5351
■ Prescribed burning should generally be	NCW Fire Brigades	Deniliquin Fire Station	03 5881 7401	
undertaken during Autumn, Winter or early		NSW Fire Brigades	Moama Fire Station	03 5482 1653
Spring		State Forests	Deniliquin – Duty Mobile	0408 675 211
Care should be taken to ensure a low intensity		Emergency Services		000
burn over most of the area treated.		SES		13 2500
		Police Station (not	Deniliquin Moama	03 5881 9499 03 5482 0099
	open 24 hrs)	Mathoura	03 5884 3244	
		Police - Local Area Command	Deniliquin	03 5881 9437
		Heorital	Deniliquin	03 5882 2800
		Hospital	Echuca	03 5485 5000

Duty Officer Murray

Murray Shire Council

Parks Victoria

Council

Communications Information			
Service	Channel	Location and Comments	
NPWS Repeater	29	■ Mathoura	
RFS UHF	10	■ All Brigades	
RFS Murray	P019	■ Mathoura	
	P022	■ Calimo	
	P039	■ Finley	
	P011	■Bunnaloo	
	P028	■Moama	
RFS Deniliquin	P053	■ Deniliquin	
State Forests	19	■ Deniliquin/Mathoura	
UHF - CB	30	■Barooga	
State Forests VHF	223	■ Mathoura	

0417 351 668

03 5884 3302

