

S Brigade Areas & Towers		
Denimein Wandook		
Deniliquin Birganbigil		
th Wakool		
Tuppal		
Hill Plain		
Bullatale Scale1:430,000		

Fir	e Season Information
Vildfires	 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.
rescribed Burning	 Prescribed burning should generally be undertaken during Autumn, Winter or early Spring Care should be taken to ensure a low intensity burn over most of the area treated.

Broad				
Vegetation Class	Vegetation Type	Biodiversity Thresholds	Fire Behaviour	
Forested Wetlands	River Red Gum Forests & River Red Gum - Black Box Woodland	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 as fire potential will be very high to extreme, characterised by spotting from Black Box and River Red Gum communities. Red Gum trees commonly form candles.	
Grassy Woodlands	Riverine Inland Grey Box	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	
Other	Cleared 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).	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.	
Fire History	Wildfires are cigarettes or lightning strik 35 years wer Precinct.	Wildfires are generally attributed to humans, either from escaped campfires, discarded cigarettes or matches or deliberate ignitions. A lower number of fires can be attributed to lightning strikes. Most wildfires (of those that have been documented – 8 fires) in the last 35 years were less than 5 Ha with one large fire in 1990 that was 175 Ha in the Deniliquin Precinct		
Ephemeral Conditions	Ephemeral fuel conditions occur after consecutive years of effective rainfall and significant flooding events. 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 a result expect higher fire intensity			
Drought Conditions	During drought conditions and when vegetation communities are visibly stressed or experiencing dieback no prescribed burning will be permitted and wildfire areas will be minimised			

Operational Guidelines

	Brief all personnel involved in suppression operations on the following issues using the SMEACS format:
eneral	Guidelines
al Water bing	 The use of bombing aircraft should support containment operations by aggressively attacking hotspots and spot-overs, The use of bombing aircraft without the support of ground based suppression crews should be limited to very specific circumstances, Where practicable form should be used to increase the effectiveness of the water.
	 Ground crews must be alerted to water bombing operations.
al ion	 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.
-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 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.
mand & rol	 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).
ainment s	 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 the location, Containment line construction using earthmoving equipment must be in accordance with the earthmoving guidelines contained within the RFMS.
nmoving pment	 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 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 Plant Operations Manager.
intage ording	 All fire advantages used during wildfire suppression operations must be mapped and where relevant added to the database.
pression nicals	 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.
Dilitation	• vvnere practicable, containment lines should be stabilised and rehabilitated as part of the wildfire suppression operation.
ke agement	 The potential impacts of smoke and possible mitigation factics 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.
ctural 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.
or agement	 The reserve may be closed to the public during periods of extreme fire danger or during wildfire suppression operations. Areas of the reserve may be closed for prescribed burning operations.
NINGS	Beware of overhead powerlines, Beserve prope to flooding and only some trails will be trafficable after flood events or rainfall
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Incident Map

	NPWS Estate
	River
<u> </u>	Powerlines
M	Gate
Fire Hi	story
	Wildfire
Fire Tr	ails BFCC Policy No. 2/2007
	Cat 1 - Essential
	Cat 1 - Important
	Dormant
Roads	and Trails
	Sealed Road - Two Lanes
	Sealed Road - One Lane
	Unsealed Road - Two Lanes
	Unsealed Road - One Lane
Site M	anagement (see guideline tables
FA	Threatened Fauna
(FL)	Threatened Flora
$\langle \! A \! \rangle$	Aboriginal Site - AH1
À	Aboriginal Site - AH2
À	Aboriginal Site - AH3

Scale 1:35,000

0.5

Acewans Lane

Flanagans Lane

Deniliquir

Precinct

Communications Information			
Service	Channel	Location and Comments	A COLUMN TWO IS NOT
NPWS Repeater	29	 Mathoura 	
RFS UHF	10	All Brigades	
	P019	 Mathoura 	3
	P022	■Calimo	
RFS Murray	P039	■Finley	
	P011	■Bunnaloo	100
	P028	■Moama	
RFS Deniliquin	P053	 Deniliquin 	0
State Forests	19	Deniliquin/Mathoura	60
UHF - CB	30	■Barooga	
State Forests VHF (Repeater)	223	■Mathoura	
	1000		

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