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Contact: OEH PWG Regional Office: 200 Yambil St, Griffith NSW 2680 P.O. Box 1049 Griffith NSW 2680 ph. 02 6966 8100

978 1 74293 763 2 OEH 2012/0629	Date Published: August 2012	Version: 1.0

Map Details	Related Documents	
Datum: Geocentric Datum of Australia (GDA) 1994 Projection: Map Grid of Australia (MGA) Zone 55	Topographic Maps 1:50k - Parkes 8531 N (AGD 1966)	OEH Fire Management Manual 2011 - 2012.
Data: Spot Satellite Imagery: 2005.		

Scale: Noted scales are true when printed on A1 size paper.

FA3 • Utilise mosaic burning and protect hollow bearing trees.

FA5 • Utilise mosaic burning.

NPWS Estate

Powerlines

Gate

	Threatened Sites Guidelines						
Site	Guidelines						
	Aboriginal Cultural Heritage Site Management						
Currentl	Currently no known sites recorded. Contact Senior NPWS Officer or Cultural Heritage Officer before commencing works						
Threatened Flora Management							
Currentl	y no known sites						
	Threatened Fauna Management						
E	 Utilise mosaic burning and avoid disturbance at known sites, roosts or refuges and avoid frequent fire (<6 						

FA4 • Utilise mosaic burning, protect hollow bearing trees and avoid frequent fire (< 6—10 years).

Communications Information								
Channel	Location and Comments							
23	■ VHF Kadina							
24	 VHF Mount Canobolas 							
P010	■ PMR Mt Coonambro							
27	■ VHF Mt Coonambro							
34	 UHF Simplex 							
	23 24 P010 27							

Locality

PARKES LGA

Cor	nmunicat	ions Information	
Service	Channel	Location and Comments	
NPWS Forbes	23	 VHF Kadina 	
NPWS Forbes	24	 VHF Mount Canobolas 	
RFS Forbes	P010	PMR Mt Coonambro	<u> </u>
Forests NSW	27	■ VHF Mt Coonambro	
Cookamidgera Brigade	34	■ UHF Simplex	
NPWS VHF coverage pat	chy, use mobile	repeater for fire-ground, VHF 13, 14 or 15	

Operational Guidelines RFS Brigade Areas & Towers General Guidelines Scale 1:500,000 **Aerial Water** Bombing Ground crews must be alerted to water bombing operations. **Aerial** Ignition Back-burning Use parallel containment lines when applicable, under normal back-burning conditions Standard Incident Management Systems are to be applied, Command & the relevant BFMC Plan of Operations, Control

Earthmoving

Equipment

Advantage

Recording

Suppression

Stabilisation

Management

Management

WARNINGS

Chemicals

and

Smoke

Visitor

Contact Information						
Agency	Position / Location	Phone				
National Parks	Duty Officer (8am-10pm)	02 6332 6350				
& Wildlife Service	Forbes Area Office 1 Camp St	02 6851 4429				
NSW Rural Fire Service Mid Lachlan Valley Team	Fire Control Centre 26 Union St Forbes	02 6851 1541				
Forests NSW	Forbes Office	02 6850 2927				
Emergency		000				
Fire and Rescue NSW	Parkes Fire Station	02 6863 5951				
Police - Local Area Command	Parkes	02 6862 9977				
SES	State	13 2500				
323	Lachlan	02 6863 8100				
Hospital	Parkes District	02 6862 1611				
Council	Forbes Shire Council After Hours	02 6850 2300 1300 978 633				

Brief all personnel involved in suppression operations on the following issues: Very effective first attack where fire is still small and crews are some distance away. Should support containment operations by aggressively attacking hotspots and spot-overs, Without the support of ground based suppression crews should be limited to very specific Where practicable foams or gels should be considered to increase the effectiveness of water, Aerial ignition may be used where practicable, 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 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 **CAUTION**: in areas dominated by *Cypress* back-burning may be very difficult or ineffective 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 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 Construction of new containment lines should be avoided, where practicable, except where they can be constructed with minimal environmental impact, New containment lines require the prior consent of a OEH Section 44 delegate or NPWS Area Manager or Regional Manager, Use parallel containment lines when applicable, Containment All containment lines not required for other purposes should be closed at the cessation of the Lines All personal involved in containment line construction should be briefed on both natural and cultural heritage sites in the location refer to incident map,

Containment line construction using earthmoving equipment must be in accordance with the

experienced person, and accompanied by a support vehicle. When engaged in direct or

drainage features, observe the Threatened Species and Cultural Heritage Operational

Guidelines, and be surveyed, where possible, to identify unknown cultural heritage sites,

Containment lines constructed by earthmoving equipment should consider the protection of

Earthmoving equipment must not leave tracks or create new tracks in Machinery Exclusion

Earthmoving equipment must be washed down, where practicable, prior to it entering NPWS

Where multiple items of earthmoving equipment are being used, the IMT should consider the

All fire advantages used or created during wildfire suppression operations must be mapped

The use of fire retardants are only permitted with the prior consent of the OEH Section 44

Exclude the use of surfactants and retardants within 50m of watercourses, dams and swamps,

The Threatened Species Operational Guidelines are to be observed. Refer to incident map for

Areas where fire suppression chemicals are used must be mapped and the used product's

Where practicable, containment lines should be stabilised and rehabilitated as part of the

The potential impacts of smoke and possible mitigation tactics must be considered when

In years following wet seaons be cautious of soil crusts with underlying liquefying soils.

If smoke becomes a hazard on local roads or highways, the police and relevant media must

Smoke management must be in accordance with relevant RTA traffic management guidelines. The reserve may be closed to the public during periods of extreme fire danger or during

delegate or NPWS Area Manager or Regional Manager and should be avoided where

Use of gels and foaming agents (surfactants) is permitted on the reserve,

Areas of a reserve may be closed for prescribed burning operations. Beware of overhead powerlines, and fences crossed by powerlines.

Earthmoving equipment must always be guided and supervised by an appropriately

earthmoving guidelines contained within the RFMS.

areas as marked on the Incident Map of a RFMS,

estate and again on exiting NPWS estate,

establishment of a Plant Operations Manager.

and where relevant added to the database.

reasonable alternatives are available.

wildfire suppression operation.

wildfire suppression operations.

planning for prescribed burning operations,

parallel attack this vehicle must be a fire fighting vehicle,

201169	practical.
Land Management Zones	The objective of LMZ s is to conserve biodiversity and protect cultural and historic heritage. Manage fire consistent with fire thresholds.
Zuiles	manage me consistent with me thresholds.
Scale 1:30,000 0 0.2 0.4 km	

Bushfire Risk Management Strategies

Indicative Suppression

Initial attacks should be to try to

extinguish or to contain to the

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.

thresholds and use direct attack

Develop a fire suppression plan

perimeter based on Biodiversity

to the maximum allowable

Evaluate the biodiversity

methods to extinguish if

required.

thresholds.

Indirect

smallest possible area.

Suppression Strategies

Typical Conditions

Current Fire Danger Rating (FDR) of

Short and medium range forecasts

A risk to life and/or property exists in

A broad area risk to biodiversity

suggest conditions typical to a FDR

Very High or Greater,

of Very High or Greater,

the short – medium term,

FDR of High or below,

short-medium term,

Short – medium term forecast

indicate a continuing FDR of **High or**

No risk to life or property exists in the

Fire Management Zones

Strategic Fire across larger areas. Maintain Overall Fuel Hazard

Advantage at High or below, however adherence to guidelines

for biodiversity will take precedence where

The objective of **SFAZ**s is to reduce fire intensity

Only small area risk to biodiversity

Just prior

to or during

the critical

fire season

Outside of

the critical

fire seasor

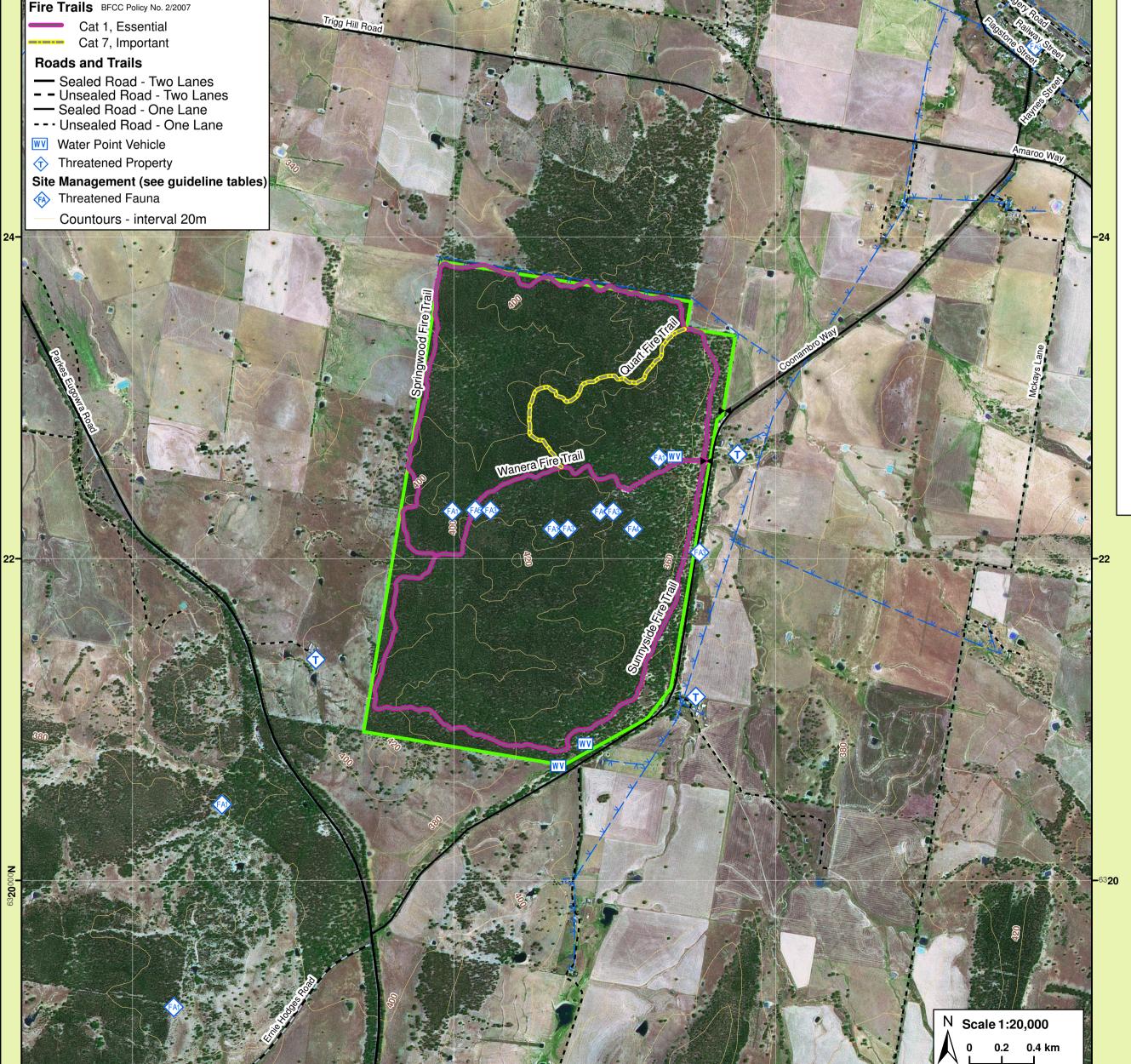
	•	The critical wildlife season generally occurs from November Inrough to February.
Wildfires	•	Dry lightning storms frequently occur and typical fire weather conditions are winds from the west to the north, high day time
Wildines		temperatures and low humidity.

Fire Season Information

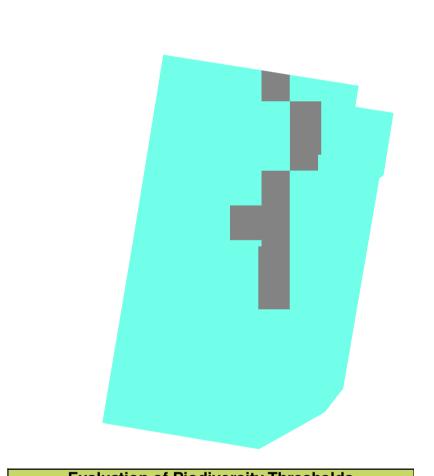
_											•				
	•	Particular	care is	s require	ed follow	ing perio	ds of	winter	rain	and after	periods of	negative	Southern	Oscillation	Indic
		tomporate													

Prescribed Prescribed burning should generally be undertaken during Autumn, Winter or early Spring Care should be taken to ensure sufficient fuel is available to allow a low to moderate burn over most of the area identified.

Incident Map



Status of Biodiversity Thresholds Scale 1:30,000 0 0.2 0.4 km



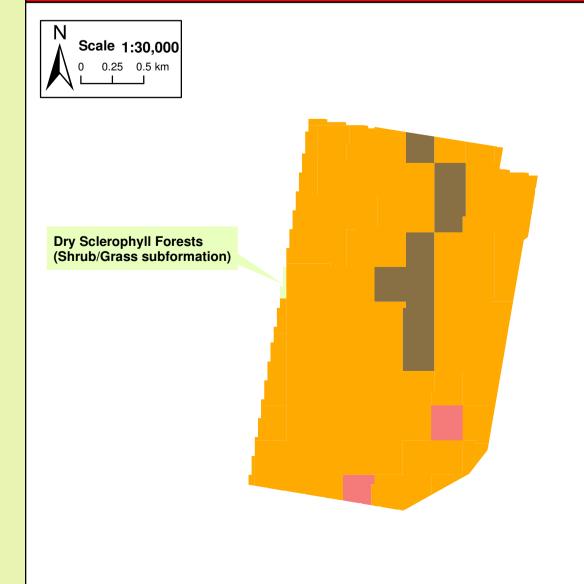
Eval	uation of Biodiversity Thresholds
Within Threshold	Within the threshold for vegetation in this area. Species have had sufficient time to mature and reproduce, and for habitats to develop. • A fire event is neither required nor should one necessarily be avoided.
	Underburnt excessive time since last fire specie

Jnderburnt, excessive time since last fire, species may become extinct. ■ A fire event may be ecologically advantageous.

	Constact	anowing	unplann	ou ill co	100	un
Fire thresh	olds are defin	ned for veg	getation c	ommun	ities	to (
		biodiver	sitv			

Vegetation Map Legend								
Broad Vegetation Class	Vegetation Description	Biodiversity Thresholds	Fire Behaviour					
Semi-arid woodlands (Shrubby sub-formation)	Dry Woodland on Rocky Hill	An interval between fire events less than 15 years should be avoided. No maximum interval set at this time for this vegetation type, as there was insufficient data. Fire may be considered a useful tool to stimulate species that are responsive to fire.	In long unburnt areas, very high potential for spotting due to bark fuels. Isolated areas of brush may have the potential for extreme fire behaviour; however this is likely to be limited in the landscape. Open areas fire behaviour likely to be wind driven					
Dry sclerophyll forests (Shrub sub-formation)	Dry Open-forest on ranges of the lower slopes (Hervey Ranges). Mugga Ironbark – Box – White Cypress Pine woodland. Mugga Ironbark Woodland on hills	An interval between fire events less than 10 years (7 years in SFAZ) and greater than 30 years should be avoided. These communities typically consist of many obligate seeders.	In long unburnt areas, very high potential for spotting due to bark fuels. Isolated areas with heavy ground fuel may have the potential for very high fire behaviour.					
Dry sclerophyll forests (Shrub/grass sub-formation)	White Box – White Cypress Pine Woodland	An interval between fire events less than 8 years (5 years in SFAZ) and greater than 50 years should be avoided.	In long unburnt areas, very high potential for spotting due to bark fuels. Isolated areas with heavy ground fuel may have the potentia for very high fire behaviour.					
Grassy Woodlands	White Box - Kurrajong Woodland	An interval between fire events less than 8 years and greater than 40 years should be avoided.	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 intensity will be higher while in years affected by drought minimal growth will result in moderate fire behaviour bu potentially still fast moving depending on weather conditions at the time. In wooded areas higher potential for spotting.					

,	, 3	and greater than 40 years should be avoided.	by drought minimal growth will result in moderate fire behaviour but potentially still fast moving depending on weather conditions at the time. In wooded areas higher potential for spotting.
Fire History	No recorded fire history exists for this location.		
	Occur after consecutive years of effective rainfall events. This in turn leads to the growth and build up of fine surface fuels such as grasses and herbs, which can create continuous fuel loads. As a result expect higher fire intensity.		
	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 backburn in under night conditions, particularly in areas dominated by cypress.		
Mosaic Burning	As this reserve has not experienced fire over an extended timeframe, a mosaic approach with post fire recovery and response assessments should be taken. Mosaic burning has two parts, spatial and temporal. Apply fire in a pattern across the reserve that allows gaps in time and space, small areas vs. large areas, scattered, variable times between fires in any location. If possible leave some areas of each vegetation community unburnt, as an end stage and reference site.		



Vegetation