

Office of Environment & Heritage
NSW National Parks & Wildlife Service

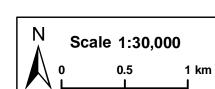
This strategy should be used in conjunction with aerial photography and field reconnaissance during incidents and the development of incident action plans.

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Map Details		Related Documents	
ISBN: 978 1 74359 645 6	OEH: 2014/0392	Date: October 2014	Version: 1
Contact:	OEH PWG Regional Office: 200 Yar	mbil St, Griffith NSW 2680 P.O. Box 1049 Griffith NSW 2680 ph	. 02 6966 8100
by the Office of Environment and Heritage (NSW).			
Section 38 (4) and Section 4	4 (3) of Rural Fires Act 1997. The I	NSW National Parks and Wildlife Service is part of the Office of I	Environment and Heritage. Publishe

	map Details		related Bocaments
	Datum: Geocentric Datum of Australia (GDA) 1994	1:25k Topographic Map: The Rock 8327-3-N	OEH Fire Management
	Projection: Map Grid of Australia (MGA) Zone 55	(AGD-1966)	Manual 2013 – 2014 .
Data: Spot Satellite Imagery: 2005.		Scale: Noted scales are true when printed on	
		A1 size paper	

Status of Biodiversity Thresholds		
	Evaluation	on 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.
	NB. Fire thres	holds are defined for vegetation communities to conserve biodiversity



	Operational Guidelines
Ві	rief all personnel involved in suppression operations on the following issues using the SMEACCS format:
General	Guidelines
Aerial Water Bombing	 The use of bombing aircraft is designed to support suppression and containment operations and where necessary slow the progress of an advancing fire until ground crews arrive. Aircraft assist in aggressively attacking hotspots and spot-overs and their use without the support of ground based suppression crews generally has limited effectiveness. 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. Aerial ignition can be utilised to rapidly progress back-burns down-slope where required.
Back-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 only commence when the humidity begins to rise in the late afternoon or early evening, Back-burning may be safely undertaken during the day only when FDI is low Where practicable, and prior to light up, clear (or wet down) around dead, hollow bearing, fibrous barked trees adjacent to containment lines to reduce effort needed for mop up activities, Avoid the ignition of back-burns at the bottom of slopes where a long and intense up-slope burn is likely, Back-burning in areas of Low – Moderate OFH will require the use of wind, or low humidity to maximise effectiveness, Use parallel containment lines when applicable, All personnel must be fully briefed before back-burning operations begin. Brief to include locations of known and potential cultural heritage and threatened species sites. Approval from the IC is required prior to commencement of back-burning operations.
Command & Control 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 man agency is notified promptly. On the arrival of other combatant agencies, the Incident Controller will consult with regard to the ongoing commontrol and incident management team requirements as per the relevant BFMC Plan of Operations, and be convicted by the original of the controller will consult with regard to the ongoing commontrol and incident management team requirements as per the relevant BFMC Plan of Operations, and be convicted by the original of the controller will consult with regard to the ongoing commontrol and incident management team requirements as per the relevant BFMC Plan of Operations, and be convicted by the original origina	
Containment Lines	 Construction of new containment lines should be avoided, where practicable, except when they can be constructed with minimal environmental impact, New containment lines require the prior consent of a senior NPWS officer, When constructing containment lines, steep and rocky areas and locations adjacent to riparian (creeks or streams) or significant drainage lines should be avoided. All personal involved in containment line construction should be briefed on the protection of the reserves natural and cultural assets. Containment line construction using earthmoving equipment must be conducted in accordance with this RFMS, the OEH FMM and sedimentation and erosion control measures must be implemented in accordance with both OEH and DLWC fire trail constructions guidelines and standards and the PWG Roads Policy (Manual). Containment lines not required for other purposes should be closed immediately at the cessation of the incident.
Rehabilitation	Where practicable, containment lines should be stabilised and rehabilitated as part of the wildfire suppression operation.
Earthmoving Equipment	 Where practicable, Containment lines should be stabilised and renabilitated as part of the wholine suppression operation. 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, who can assist with survey (route selection) and the identification and protection of threatened species and/or or historic and Aboriginal sites (known nor unknown) along the proposed containment line. Earthmoving equipment must always be accompanied by a support vehicle and when engaged in direct or parallel attack this vehicle must be a fire fighting vehicle. 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 appointment of a Plant Operations Manager. Graders may be used to "sweep" existing fire trails.
Fire Suppression Chemicals	 The use of foams and gels (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. The aerial application use foam, gels and retardants requires the approval of a NPWS Senior Officer. Areas where fire suppression chemicals are used must be mapped and the used product's name recorded.
Smoke	 The potential impacts and mitigation tactics will be assessed during the planning of wildfire suppression and prescribed burning operations. Where possible the use of prevailing weather conditions along with specific light up strategies and ignition patterns will be used to manage and disperse smoke.

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

■ During fire operations, place smoke hazard signs on Olympic Hwy& Lockhart-The Rock Road

Dams located around the reserve may be useful in initial response situations,

■ Smoke management will be in accordance with relevant OEH guidelines and RTA traffic management guidelines.

■ The reserve may be closed to the public during periods of extreme or catastrophic fire danger, during prescribed burning or wildfire suppression operations, as outlined in the Western Rivers Region Incident Procedures.

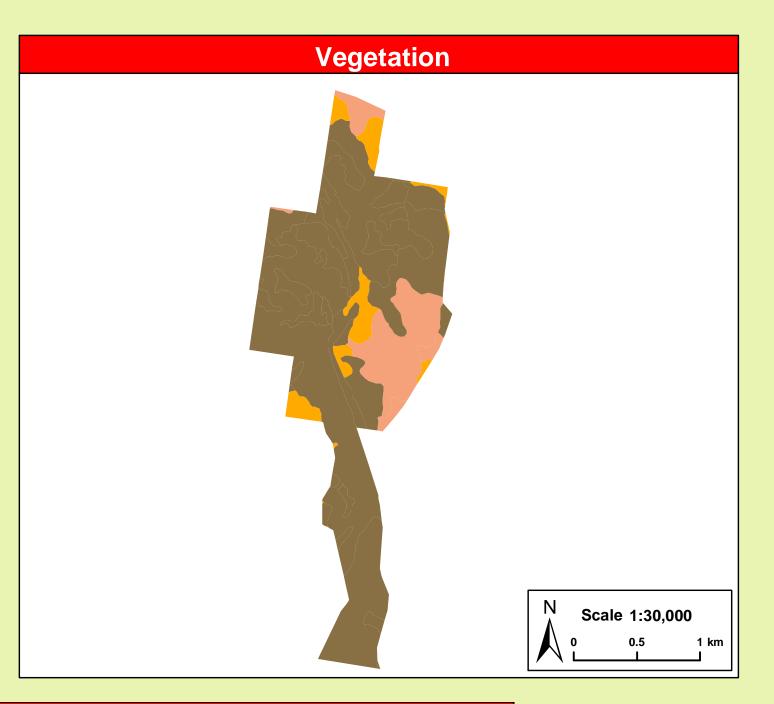
Suggest the use of Buoy walls or Cat1/Cat7 vehicles as on reserve storage. These would be replenished using a bulk water carrier from The Rock Town Supply.

• The Rock Access Rd ends in locked bollards & cables with one removable section. The Riverina Zone RFS will be

used to manage and disperse smoke.

■ LOOKOUT for overhead powerlines.

Management

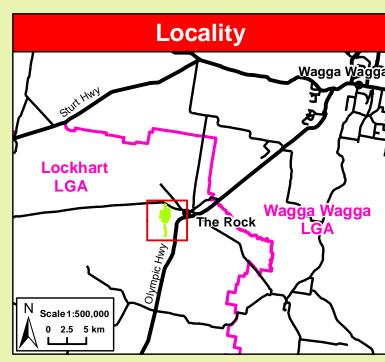


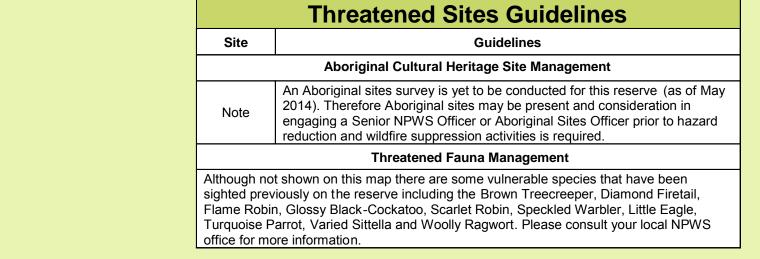
Contact Information		
Agency	Position / Location	Phone
	Duty Officer	02 6332 6350
National Parks	South West Area Office	03 5483 9100
& Wildlife Service	Regional Office – 200 Yambil St Griffith	02 6966 8100
NSW Rural Fire	Fire Control Centre	02 6971 4500
Service Riverina Zone	Duty Officer	02 6971 4591
Fire and Rescue NSW	Wagga Wagga Fire Station Lockhart Fire Sation	02 6921 4375 02 6920 5103
Emergency Services		000
SES		13 2500
Police Station (not open 24 hrs)	The Rock	02 6920 2044
Police - Local Area Command	Wagga Wagga	02 6922 2599
Hospital	Wagga Wagga Base	02 6938 6666
Council	Lockhart Council	02 6920 5305
Council	Wagga Wagga Council	02 6926 9100
Local Aboriginal Land Council (LALC)	Wagga Wagga	02 6921 4095

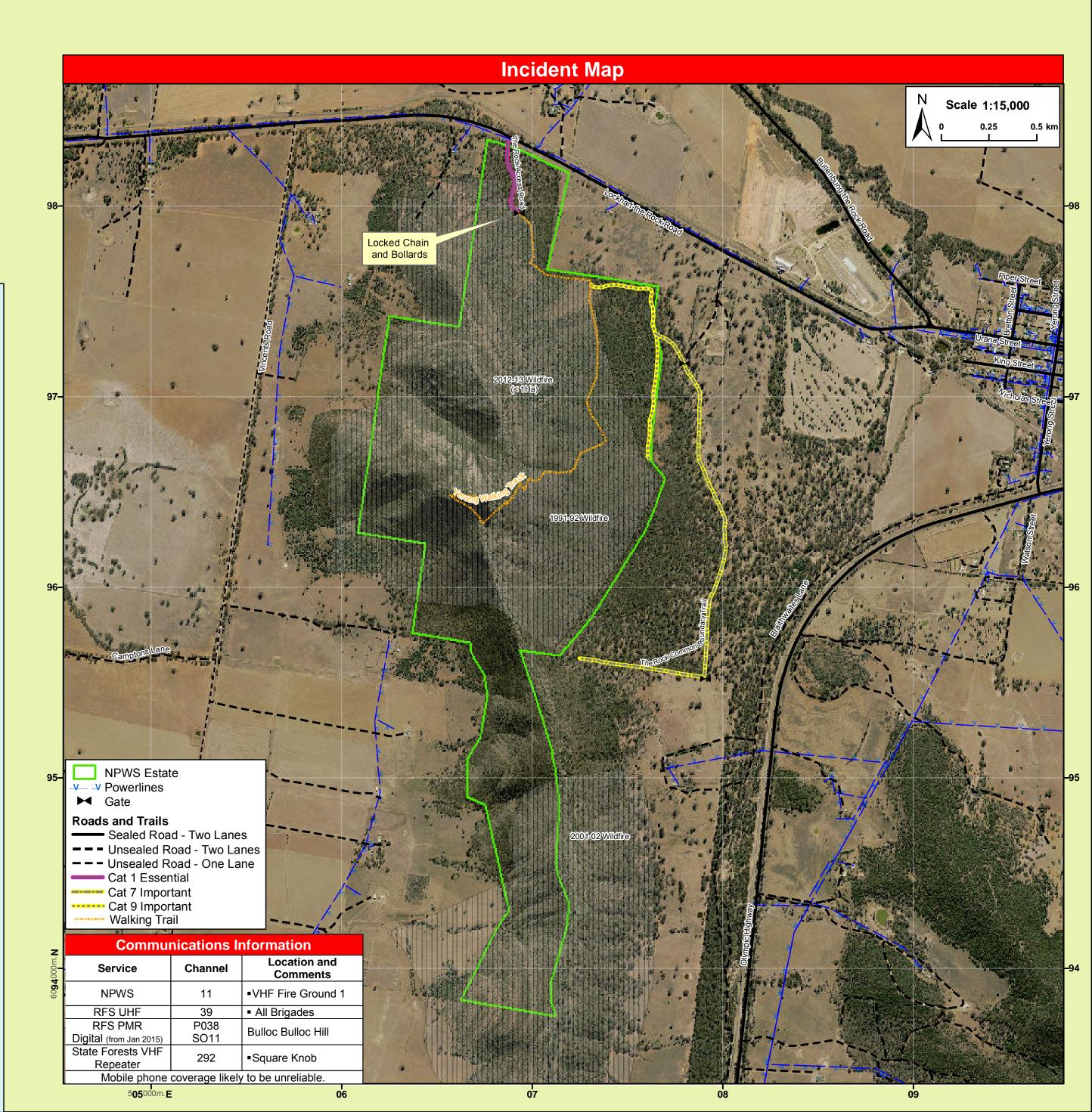
Fire S	eason Information
Wildfires	 The critical wildfire season generally occurs from October/November to March/April. Dry lightning storms frequently occur and typical fire weather conditions are winds from the west to the north, high day time temperatures and low humidity Particular care is required 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.

	Vegetation Map Legend		
Broad Vegetation Class	Vegetation Type	Biodiversity Thresholds	Fire Behaviour
Semi-arid Woodlands (Shrubby sub- formation)	Inland Rocky Hill Woodlands with Dwyers Red Gum, Red Stringybark & Black Cypress Currawang Shrubby Low Woodland on Rocky Hills	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.	In long unburnt areas, very high to extreme potential for spotting d bark fuels. Isolated areas with heavy ground fuel may have the potential for spotting d
Dry Sclerophyll Forest (Shrub formation)	Western Grey & Cypress Pine Shrubby Woodland	An interval between fire events less than 10 years and above 30 years should be avoided. These communities typically consist of obligate seeders.	for very high fire behaviour.
Grassy Woodlands	White Box, White Cypress Pine & Western Grey Box Grassy Woodlands	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 beha dominated by winds, both speed and direction. Even in very low further fires can be erratic and fast moving. In ephemeral years fire intensions be higher and in drought years minimal growth will result in moderate behaviour but potentially still fast moving depending on weather coat the time. Potential spotting from trees.
Fire History		or this reserve. burnt in 1991-92 (271Ha), in 2001-02 approximately half the Southern port not shown on the map due to its size a small fire (0.25Ha) occurred in 2006	
Ephemeral Conditions		after consecutive years of effective rainfall and significant flooding events. Tate a continuous fuel load across all of the above vegetation communities.	
Drought Conditions	During drought conditions and wh	en vegetation communities are visibly stressed or experiencing dieback no	prescribed burning will be permitted and wildfire areas will be minim

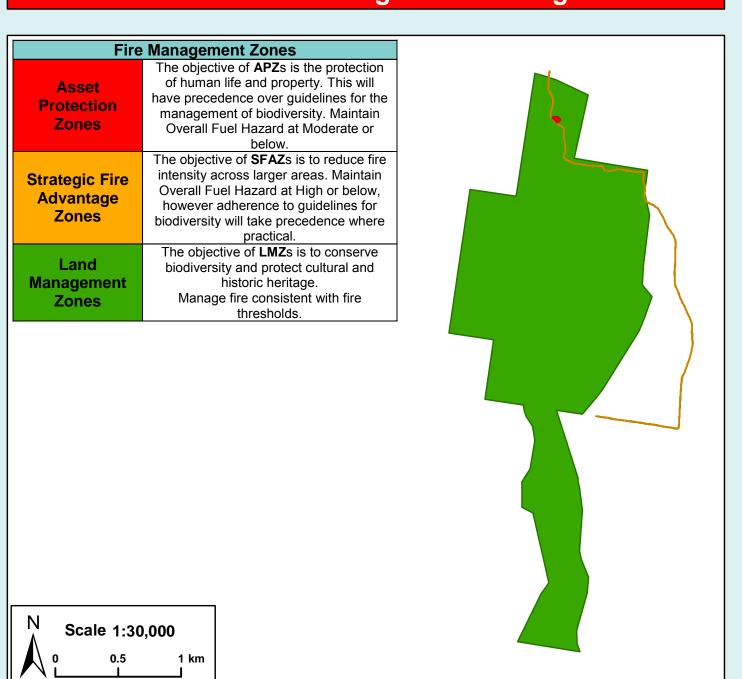
	RFS Fire Brigade Areas & Towers
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g strike burnt less than 1 Ha etermined.	N Scale 1:400,000 0 2.5 5 km Yerong Ck
ne surface fuels such as	
e areas will be minimised.	Locality







Bushfire Risk Management Strategies



Suppression Strategies		
Typical Conditions	Indicative Suppression Strategies	
 Current Fire Danger Rating (FDR) of Very High or Greater, Short and medium range forecasts suggest conditions typical to a FDR of Very High or Greater, A risk to life and/or property exists in the short – medium term, A broad area risk to biodiversity exists. 	Direct Initial attacks should be to try to extinguish or to contain to the smallest possible area. Indirect 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.	
 FDR of High or below, Short – medium term forecast indicate a continuing FDR of High or below No risk to life or property exists in the short-medium term, Only small area risk to biodiversity exists. 	Direct Evaluate the biodiversity thresholds and use direct attack methods to extinguish if required. Indirect Develop a fire suppression plan to the maximum allowable perimeter based on Biodiversity thresholds.	