Morrison's Lake Nature Reserve Fire Management Strategy 2014

Mapsheet 1 of 1

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

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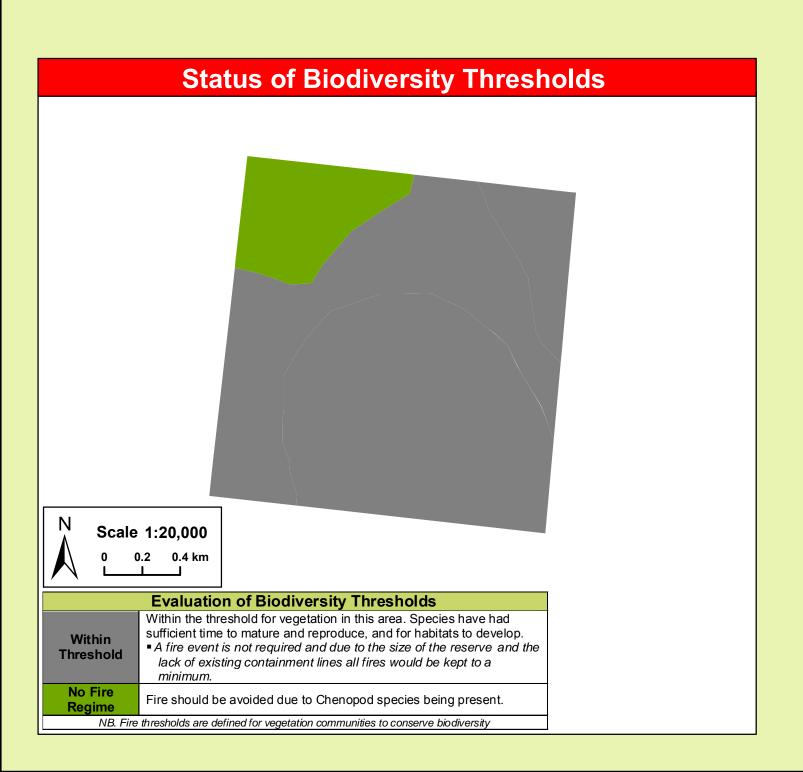
Office of Environment & Heritage
NSW National Parks & Wildlife Servi

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ISBN: 978 1 74359 086 7 UEH: 2013/0326	Date: July 2014	version:
Map Deta	Related Documents	
Datum: Geocentric Datum of Australia (GDA) 1994 Projection: Map Grid of Australia (MGA) Zone 55	1:100k Topographic Map: Kilfera 7731 (AGD-1966)	OEH Fire Management Manual 2013 - 2014.
Data: Spot Satellite Imagery: 2005.	Scale: Noted scales are true when printed on A1 size paper	

	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 Jan 2014). Therefore aboriginal sites may be present and consideration in engaging a Senior NPWS Officer or Aboriginal Sites Officer prior to wildfire suppression activities is required.			

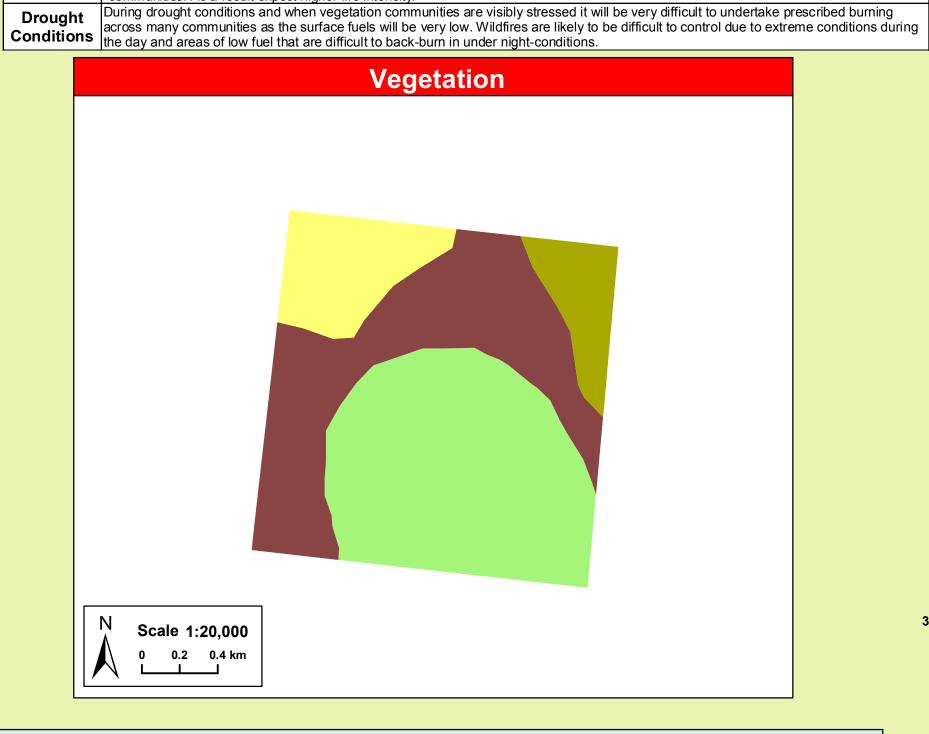
	Operational Guidelines		
Brief all personnel involved in suppression operations on the following issues using the SMEACS format:			
General	Guidelines		
Aerial Water Bombing	 The use of bombing aircraft should support containment operations by aggressively attacking hotspots and spotovers, The use of 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	 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. 		
Back-burning	 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 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. 		
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 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. 		
Containment Lines	 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. 		
Fire Advantage Recording	 All fire advantages used during wildfire suppression operations must be mapped and where relevant added to the database. 		
Fire Suppression Chemicals	 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. 		
Rehabilitation	 Where practicable, containment lines should be stabilised and rehabilitated as part of the wildfire suppression operation. 		
Smoke Management	 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. 		
Visitor Management	 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. 		
WARNINGS	 Beware of overhead powerlines The Watering points are shown on the SPOT imagery and are the lake itself, various dams and also the Ivanhoe town water supply dam. 		



	Vegetation Map Legend		
Broad Vegetation Class	Vegetation Type	Biodiversity Thresholds	Fire Behaviour
Freshwater Wetlands	Rush – Sedge – Common Reed Wetlands	An interval between fire events less than 10 years and greater than 35 years should be avoided.	
Semi-arid Woodlands (Grassy sub- formation)	Black Box - Lignum Woodlands or Black Box Chenopod Open Woodland	An interval between fire events less than 9 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. Fire should be avoided where Chenopod species occur. Two fires in the same area in a period of less than 10 years apart may remove younger Black Box trees.	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.
Arid Shrublands (Chenopod sub formation)	Nitre Goosefoot, Eastern Cottonbush	Fire should be avoided where Chenopods occur.	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
Grassland	Grasslands (various communities)	An interval between fire events less than 3 years and greater than 10 years should be avoided.	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	No fire history data ex	ists for this reserve	
Ephemeral	•	itions occur after consecutive years of effective rainfall and si	

Conditions communities. As a result expect higher fire intensity.

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



				Scale 1:20,0 0 0.2 0.4	000 4 km
	Fire Manageme	ent Zones			
Land		Z s is to conserve biodive	rsity and	7	

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.	

Со	ntact Information		
Agency	Position / Location	Phone	
National Parks	Duty Officer	02 6332 6350	
& Wildlife Service	Mid West Area & Regional Office – 200 Yambil St Griffith	02 6966 8100	
NSW Rural Fire Service Far West Team	Fire Control Centre (Cobar) Diverted After Hours	02 6836 1226	
Fire and Rescue NSW	Hillston Fire Station	02 6967 2610	
State Forests	State Forests Forbes – Duty Mobile		
Emergency Services		000	
SES		13 2500	
Police Station (not open 24 hrs)	Нау	02 6993 1100	
Police - Local Area Command	Deniliquin	03 5881 9437	
Hospital	Ivanhoe	02 6995 1133	
Ivanhoe Community Working Party	Faye Johnson	0427 283 570	
Council	Central Darling Shire Council	08 8083 8900	

Wildfires

Prescribed

Burning

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 would be avoided in this reserve due to the present of Chenopod species



