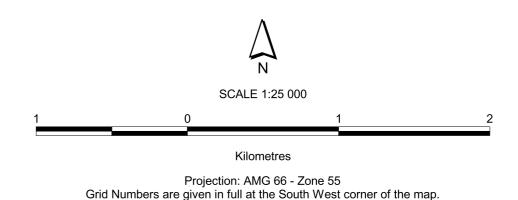


FFDI	OPERATIONAL GUIDELINES							
1101	OI LIMITONAL GOIDLLINEG							
Current Low - Mod & Forecast Low - Mod	 Undertake direct, parallel or indirect attack along existing containment lines. Where practicable, consider maximising the fire area in accordance with the requirements of any proposed prescribed burns in the fire planning strategy and Bushfire Management Committee agreements. 							
Current Low - Mod & Forecast High or >	 In order to minimise the fire area and secure the flanks as soon as possible, undertake direct, parallel or indirect attack along the closest containment lines. Pay particular attention to the flank on the next predicted down wind side. Consider fall back containment strategies 							
Current High or > & Forecast High or >	 - Undertake indirect attack along existing or newly constructed containment lines. - Secure and deepen containment lines along the next predicted downwind side of the fire. - Allow sufficient time to secure containment lines to avoid wasted effort and potential failure. - Prepare and implement fall back containment strategies. 							
Fire Advantages	- Gully lines should not be regarded as passive control lines under normal conditions - Reserve trails will function as fire advantages							

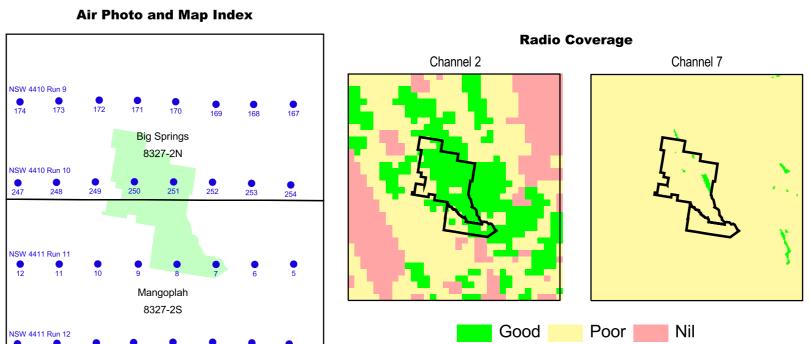
FIRE SEASON INFORMATION

The critical fire season occurs between December and March, when the potential for fire events is at its highest. Particular care and monitoring is required during periods of prolonged drought when strong negative Southern Oscillation Indices occur and low pressure systems dominate through central and southern Australia during and leading up to the summer season. During these times fires may exhibit high intensity behaviour in windy conditions and exceed current rate of spread indices. Periods of extended drought, may give rise to higher potential bushfire behaviour Any proposed prescribed burning should be undertaken before late autumn precipitation occurs. Least likely period to disrupt fauna during

prescribed burning is at the end of March and April, depending on weather conditions (past, present and forecast). Any fire in spring should be During the fire season prevailing winds during the day are from the north and northwest. In the evenings and nights winds can often come



NOTE: THIS MAP IS NOT GDA COMPLIANT



Escape Route

South West Slopes Region

Livingstone
National Park & State Conservation Area **Fire Operations Map**



Version: July 2006 ISBN: 1 74137 347 6 DEC: 2005/191 This Map should be used in conjunction with air photos and ground reconnaissance during incidents and the development of incident action plans. Copyright Department of Environment and Conservation. These data are not guaranteed to be free from error or omission. The Department of Environment and Conservation and its employees disclaim liability for any act done on the information in the data and any consequences of such acts or omissions. This map is based on Land and Property Information Standard 1:25000 Topographic Map Series.

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- Visitors in or adjacent to the fire ground will not be permitted unless authorised by the Incident Controller. The presence (NPWS FMM 3.6) of visitors should be reported to the incident controller immediately, who will arrange for an evacuation if necessary. - 'Park closed' or 'smoke hazard' signs must be placed in areas used by visitors prior to undertaking prescribed burning.

Asset Protection There are no recorded assets within the reserve.

- Avoid the use of earth moving machines.

HERITAGE MANAGEMENT ZONE GUIDELINES **GUIDELINES (WITHIN THE ZONE)** ZONE Where possible; - Contain fires to small areas and lower potential intensity and manage to produce mosaic burn patterns.

- Minimise the potential for fire to spread and or contain to existing control lines.

- Notify media that wildfire or prescribed fire exists within the reserve/area.

- Avoid the use of suffactants/retardants. - Protect mature trees and avoid felling large and hollow bearing trees during 'mop up' activities. - Prescribed fire should be avoided, unless deemed necessary for ecological purposes. Where possible;

- Where wildfires occur in untreated areas programed for prescribed burning (ie. SFMZ), fire may be allowed to burn if conditions are appropriate. - Prescribed fire or other fuel manipulation program may be applied to the area to reduce potential risks. - Manage fire to produce mosaic (patchy) burn patterns (where weather conditions permit). - Earthmoving equipment may be used to contain fire within DEC policy guidelines.

- Retardants and foams may be used to suppress fire, however minimise use within 50m of water courses and dams.

CULTURAL HERITAGE GUIDELINES - Brief personnel involved in control line construction and vehicle based fire suppression operations on site locations and the required management strategies for site protection. Include in Incident Action Plans. - Liaise with the relevant heritage officer and or representative where considered necessary. - Clear fuels, with hand tools, from tree base and/or foam base to 3m up tree trunk. Scarred trees Do not clear or fell trees. Where possible, avoid new trail construction within 20m of trees and construct trails on the advancing fire side of the tree. - Hazard reduction or back burning operations should minimise the potential threat of radiant heat on the tree. - Avoid new trail construction or ground disturbance within close proximity of site. Where possible, ensure site is protected by constructing trails or hand tool lines on the advancing fires side. rock engravings, - Clear, by hand, excess fuels from the site. bora rings, etc - Avoid direct attack methods (including aerial water bombing) at known sites. Surfactants and retardants in aerial line drops may be used adjacent to, but not directly on sites. - Prescribed burn or back burning operations should protect sites from the potential threat of radiant heat and smoke on · Avoid new trail construction or ground disturbance within close proximity of site. Where practicable, ensure site is protected by constructing trails or hand tool lines on the advancing fire side. - Clear, by hand (whipper snippers, brush cutters, mowers), excess fuels from the site. Avoid direct attack methods on sites. Avoid aerial water bombing, use of foams and or retardants at known sites. Use of foam or aerial line drops may be used adjacent to, but not directly on sites. Prescribed burn or back burning operations should protect sites from the potential threat of radiant heat and smoke · Avoid ground disturbance at or within close proximity of the site (30m). Earthmoving blades should be raised in these locations to avoid damage to sites on trails, unless a "Consent to Destroy" has been attained. Avoid direct attack methods (including aerial water bombing) at known sites. Use of foam or aerial line drops may be used adjacent to, but not directly on sites. Mine shafts have been recorded across the park, which may be dangerous for fire crews and machinery. - Avoid new trail construction or ground disturbance near recorded sites. - Ensure earth moving equipment is guided through terrain where deemed necessary for containing fires.

FMM - contains extracts from NSW National Parks and Wildlife Service Fire Management Manual (December 2004). For the purposes of public exhibition, some information will not be displayed due to obligations under the Freedom of Information Act 1989, Privacy and Personal Information Protection Act 1998, regulations and amendments, and Memorandum of Understanding between the Department of Environment and Conservation and Aboriginal Communities.

Use of foam or aerial line should be used around sites, reducing potential damage to timber lined shafts through direct

- Where possible, fire should be excluded from at least 10 metres of mine shafts.

CONTACT PHONE NUMBERS 6926 9100 POLICE - Wagga (Ph) 6947 7000 Wagga Wagga Council SWS Tumut Office Fax 6947 4170 Wagga Wagga ALC Incident Answering Service (A/H) 1800 629 104 State Emergency Service Wagga 6931 6701 Fire Brigade - Wagga Wagga Wagga Fire Control Centre (Ph) 6931 5855 Consult SWS Region databases (Fax) 6931 5626 **Duty Officer** 6931 5000 State Operations (24 hrs) 8741 5400

ADIO COMMUNICATIONS						
GENCY/RESOURCE	CHANNEL	MRX FREQ.	MTX FREQ.	NOTES		
NPWS (VHF)	2	MRX 77.6375	MTX 80.1375	Jingelic - covers most of the reserve area.		
	7	MRX 78.7625	MTX 81.2625	Mt Yavern - radio coverage through to Wagga Wagga and Tumut		
NPWS (VHF)	17	82.3875	82.3875	Channel to be determined by ground crews, crew leaders,		
FIRE GROUND	18			Division commanders etc. Any changes will be noted in IAP.		
	19	79.9625	79.9625	·		
DEC (DMD)	55	MRX 413.375	MTX 403.925	RFS to determine primary communications during an incident.		
RFS (PMR)	77	MRX 418.825	MTX 409.375	110.9 HZ TX & RX		
RFS (UHF) CB	27	Pulletop BFB				
KF3 (UHF) CB	37	37 Mangoplah BFB				
AIRCRAFT COMMUNICATION (Fire Communication)		119.10 Mhz 120.80 Mhz 122.80 Mhz	State wide State wide State wide	"The Numbers" channel Unauthorised and inappropriate use		

123.45 Mhz Pilots (chit chat) "The Numbers" channel

Drainage Line

128.70 Mhz State wide

132.75 Mhz State wide

of Aviation Channels

Recently Burnt Area

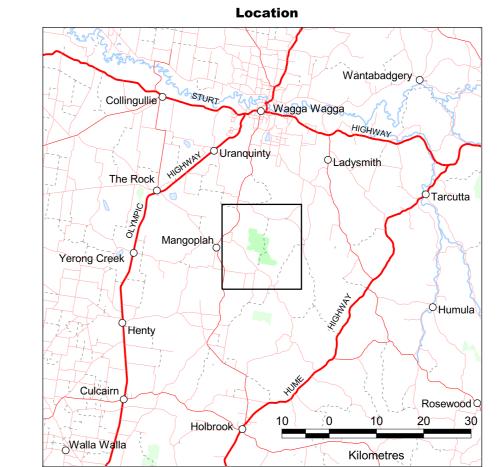
is a criminal offence

Livingstone National Park - Waypoints

Mobile Phone Coverage- generally, good coverage across the reserve area.

Traffic Advisory

Frequencies F-CTAF)



North Livingstone	H1	Staging Area, Refuge Area, Helipad	531500	6088900	147° 20' 48"	35° 20' 3
Burrandana Hall	H2	Staging Area, Refuge Area, Airbase, Helipad	531600	6080700	147° 20' 53"	35° 25' (
Big Springs	H3	Waterpoint - Helicopter	537700	6091000	147° 24' 53"	35° 19' 2
Benloch		Staging Area, Refuge Area	533100	6087200	147° 21' 52"	35° 21' 2
Livingstone Dam		Waterpoint - Vehicle	532300	6086100	147° 21' 20"	35° 22' (
McRae's Trail		Waterpoint - Vehicle	531700	6083200	147° 20' 57"	35° 23' 3

