

SUPPRESSION STRATEGIES					
FFDI	OPERATIONAL GUIDELINES				
Current Low - Mod & Forecast Low - Mod	<ul> <li>- Undertake direct, parallel or indirect attack along existing containment lines.</li> <li>- 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.</li> </ul>				
Current Low - Mod & Forecast High or >	<ul> <li>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.</li> <li>Pay particular attention to the flank on the next predicted down wind side.</li> <li>Consider fall back containment strategies</li> </ul>				
Current High or > & Forecast High or >	<ul> <li>- Undertake indirect attack along existing or newly constructed containment lines.</li> <li>- Secure and deepen containment lines along the next predicted downwind side of the fire.</li> <li>- Allow sufficient time to secure containment lines to avoid wasted effort and potential failure.</li> <li>- Prepare and implement fall back containment strategies.</li> </ul>				
Fire Advantages	- Streams in the reserve are intermittent and should not be regarded as passive control lines under normal conditions - Reserve trails may function as fire advantages				

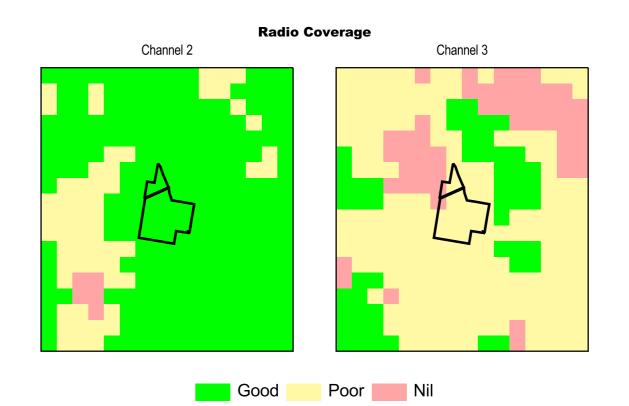
- Arrangements may be made to replace water used after the fire, as required.

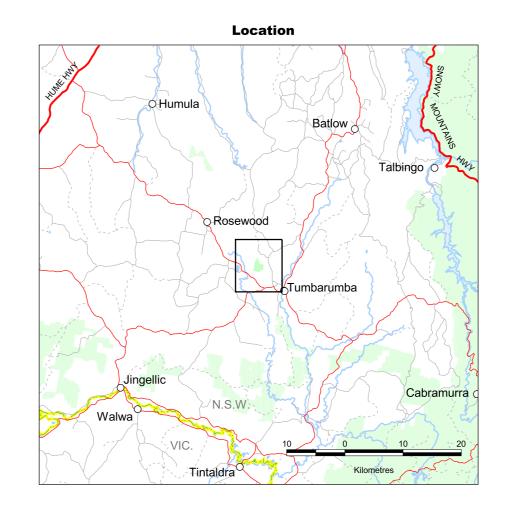
## FIRE SEASON INFORMATION

The critical fire season for this area is between January and February. During this time, rainfall is minimal and temperatures, KBDI and FFDI are generally at the highest. During prolonged drought periods, the season may extend from November to March. Weather must be monitored during the lead up to the official fire season, particularly when strong negative Southern Oscillation Indices precede the fire season, and when low pressure systems dominate central and southern Australia during and leading up to the fire season. These conditions provide drier vegetation and fuel conditions and any fire may exhibit high intensity behaviour in windy conditions and exceed current rate of spread indices. Periods of extended drought, may give rise to higher bushfire behaviour potential throughout the year. Any proposed prescribed burning should be undertaken before late autumn precipitation occurs.

If prescribed fire is planned, the least likely period to disrupt TSC fauna is during the end of March and April, depending on weather conditions (past, present and forecast). Any fire during in spring should be avoided and prescribed fire should be done in consultation with neighbours, especially vineyard properties, as grape quality have the potential to be reduced .

During the fire season prevailing winds during the day are from the west and northwest. All ignitions under a SW influence should be managed with the potential for flanks to become heads when W to NW wind trends return.





## **Courabyra Nature Reserve** Fire Operations Map 2006

South West Slopes Region

Version: June 2006, ISBN: 1 74137 275 5, DEC: 2005/101 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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Visitor safety (NPWS FMM 3.6)	As a Nature Reserve, the NPWS does not encourage recreational use and or maintain facilities or infastructure. The reserv is land locked and access is via private property.  Where there is a potential for visitors and where possible;  - Visitors in or adjacent to the fire ground will not be permitted unless authorised by the Incident Controller. The presence 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 potentially used by visitors prior to undertaking prescribed burning or during wildfire events.  - Notify media that wildfire or prescribed fire exists within the reserve/area.
Asset Protection (FMM 4.10)	There are no recorded assets within the reserve.  Where possible; - work with neighbours to protect property assets adjacent to the park boundary including vineyards and other assets Vineyard and orchard neighbours should be consulted when developing prescribed burns to ensure commercial crops are not damaged by smoke.

ZONE	GUIDELINES (WITHIN THE ZONE)					
HMZ 1 (High Priority)	Where possible; - Contain fires to small areas and lower potential intensity and manage to produce mosaic burn patterns Avoid the use of earth moving machines 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.					
HMZ 2	Where possible; - Minimise the potential for fire to spread and or contain to existing control lines Where wildfires occur in untreated areas programed for prescribed burning (ie. SFMZ) 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** 

THEME	GUIDELINES					
Aboriginal & Historic Heritage (FMM 4.11)	<ul> <li>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.</li> <li>Liaise with the relevant heritage officer and or representative where considered necessary.</li> </ul>					
Scarred trees  A 1	<ul> <li>Clear fuels, with hand tools, from tree base and/or foam base to 3m up tree trunk.</li> <li>Do not clear or fell trees.</li> <li>Where possible, avoid new trail construction within 20m of trees and construct trails on the advancing fire side of the tree.</li> <li>Prescribed burn or back burning operations should minimise the potential threat of radiant heat on the tree.</li> </ul>					
Rock arrangements, rock engravings, bora rings, etc	<ul> <li>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.</li> <li>Clear, by hand, excess fuels from the site.</li> <li>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.</li> <li>Prescribed burn or back burning operations should protect sites from the potential threat of radiant heat and smoke on sites.</li> </ul>					
Art sites and over-hangs	<ul> <li>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.</li> <li>Clear, by hand (whipper snippers, brush cutters, mowers), excess fuels from the site.</li> <li>Avoid direct attack methods on sites.</li> <li>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.</li> <li>Prescribed burn or back burning operations should protect sites from the potential threat of radiant heat and smoke (carbon deposition) on sites.</li> </ul>					
Open camp sites	<ul> <li>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.</li> <li>Avoid direct attack methods (including aerial water bombing) at known sites.</li> <li>Use of foam or aerial line drops may be used adjacent to, but not directly on sites.</li> </ul>					
Historic Heritage	None recorded.					

AGENCY/RESOURCE	CHANNEL	MRX FREQ.	MTX FREQ.	NOTES	
NPWS (VHF)	2	MRX 77.6375	MTX 80.1375	Jingelic - covers most o	f the reserve area.
	3	MRX 78.7875	MTX 81.2875	Selwyn - can be used a	s an alternative communications channel
NPWS (VHF)	17	82.3875	82.3875	Channel to be determined by ground crews, crew leaders, Division commanders etc. Any changes will be noted in IAP.	
FIRE GROUND	18	79.8375	79.8375		
	19	79.9625	79.9625		
RFS (PMR)	48	MRX 413.2875	5 MTX 403.8375 Adams - RFS managed.		
RFS (UHF) CB	10				
• (• / •2	20				
AIRCRAFT COMMUNICATIONS (Fire Communication Traffic Advisory Frequencies F-CTAF)		119.10 Mhz 120.80 Mhz 122.80 Mhz 123.45 Mhz 128.70 Mhz 132.75 Mhz	State wide State wide State wide Pilots (chit chat) State wide State wide	"The Numbers" channel	Unauthorised and inappropriate use of Aviation Channels is a criminal offence

Protection Act 1998, regulations and amendments, and Memorandum of Understanding between the Department of Environment and Conservation and Aboriginal Communities.

NATIONAL PARKS AND WILDLIFE	SERVICE	<b>FORESTS NEW SOUTH WALE</b>	S	<b>EMERGENCY SERVICES</b>	000
SWS Tumut Office (B/H)	6947 7000	Tumut Office	6947 3911	POLICE - Tumbarumba (Ph)	6948 2044
SWS Tumut Office Fax	6947 4170	Tumbarumba Office	6948 2400	(Fax)	6948 3182
SWS Blowering Workshop	6949 5262	24 Hour Duty Officer	0428 643 115	AMBULANCE ` ´	13 1233
Incident Answering Service (A/H)	1800 629 104	Fire Room (Tumut)	6947 4811	SES Tumbarumba/Tooma Unit	6948 4010
RURAL FIRE SERVICE Tumbarumba Fire Control Centre (Ph)	6948 3399	COUNCILS  Brungle Aboriginal Land Counci	l 6947 4518	Rescue Squad Tumut Fire Brigade - Tumbarumba	6947 1679 6948 2164
(Fax)	6948 2741	Tumbarumba LGA	6948 9100	OTHER ORGANISATIONS	
Duty Officer	6947 0549	NEIGHBOUR INFORMATION		WIRES (24 Hr)	6949 5999
State Operations (24 hrs)	8741 5400	Consult SWS Region databases	i	,	

Courabyra Nature Reserve - Waypoints

585760

584780

585590

588610

587890

588700

585110

585520

585800

Easting Northing Longitude Latitude

6043550 | 147°56' 24"

6044000 147°56' 16"

6042210 | 147°56' 48"

6044110 147°58' 19"

6044710 147°58' 51"

6043470 | 147°56' 29"

6043680 147°56' 45"

6043590 | 147°56' 56" | 35°44' 52"

6042760 147°58' 48"

35°44' 29"

35°45' 37"

35°45' 18"

35°44' 35"

35°44' 15"

35°44' 56"

35°44' 49"

6044300 147°56' 54"

Description

Remote Helipad

Remote Helipad

Staging Area

Staging Area

H4

H5

Henecke

Vineyard 1

Vineyard 2

Tralee

Waterpoint - Helicopter

Waterpoint - Helicopter

Waterpoint - Helicopter

Waterpoint - Helicopter

Waterpoint - Vehicle

Waterpoint - Vehicle