



Map details

Datum: GDA_1994_MGA_Zone_56	Geographic Coordinate System: GCS_GDA_1994 Noted	I scales: True when printed on A0 size paper						
Local Government Area: Walcha Topographic Map: 1:25,000: Tia 92351S, Yarrowitch 92352N, Mount Carrington 92352S								
Contact Information								
Agency	Position / Location	Phone						
	Area Manager – Aaron Simmon	6738 9116						
National Parks	Duty Officer (24 hour)	8275 1742						
& Wildlife Service	New England Area Office (bus. hours)	6738 9100 Armidale 6777 4722 Walcha						
	NE Zone Manager – Paul Metcalf	0437 678 116						
NSW Rural Fire Service New England	NE Duty Officer	6732 4473						
New England	NE Zone Office	6732 7046						
Fire & Rescue NSW	Newcastle Comms. Centre	4929 7177						
Emergency Services	Police, Fire, Ambulance	000						
SES	Walcha or Statewide	6777 2285 or 132 500						
Police	Walcha (6W Apsley St)	6777 2244						
Council	Walcha	6774 2500 or 0427 774 544 ah						
Local Aboriginal Land Council	Amaroo LALC (Walcha)	6777 1100						
Porters Trig Tower Operators	Air Services Australia (Director) Telstra (Power and Facilities Maintenance) Essential Energy (supply interruptions)	07 3866 3479 or 0409 472 03 1300 363 869 13 23 91 or 13 20 80						

Communications							
Service Channel Location and Comments							
NPWS Repeaters	342 340	 Porters Camp Vote Group East Signal strength good over all of the reserve 					
Forest Corporation of NSW	155 (NP 86) 80mhz radios)	Handheld 80mhz radios stored at New England Area					
RFS	N009	Digital Voting					
UHF - CB		Small fires channel 10, large fires determined by IMT					
Aviation - CTAF	134.70	NIB frequency unless another frequency is allocated on an incident					
Cellphone		Reasonable coverage with car kit to the north of Dicks Hut Fire Trail, high points only to the south of this trail					
Satellite Phone	0147 142 605 0147 166 687	Stored at Walcha Office					

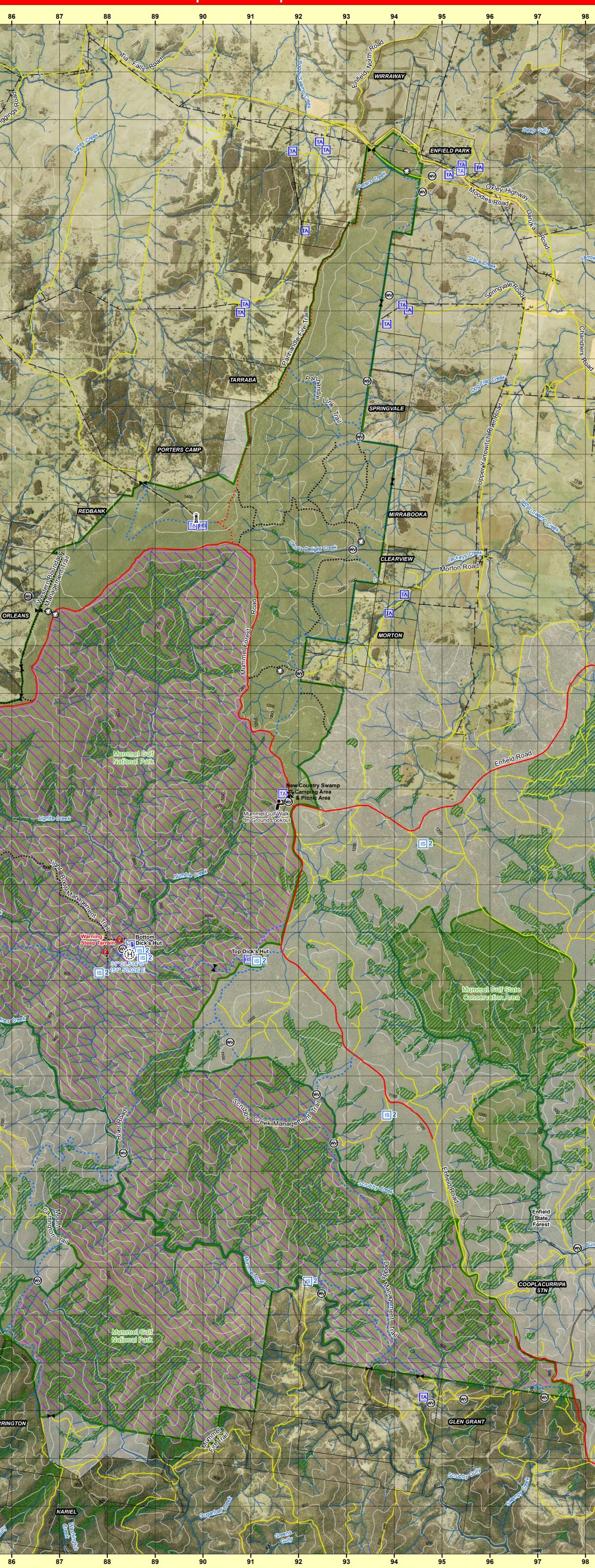
	Fire Season Information								
Wildfires	The critical wildfire season occurs during October to December where large and numerous fires caused by multiple lightning strikes can occur. This period may extend into January if the normally reliable summer rainfall does not eventuate. Wildfires have been known to start as early as August. Particular care is required during periods of negative Southern Oscillation Indices. The end of the critical fire season is often marked by wet storm activity.								
Prescribed Burning	The preferred prescribed burning period is autumn to late winter when there is a higher probability of fires self-extinguishing overnight and less impact on critical life stages of biodiversity. Hazard reduction burning is possible with great care in early spring, however the potential for fires to continue burning overnight increases in this period, and soft containment options such as creek lines may be unreliable. Consideration should be given to multiphase operations with vulnerable sections burnt under very mild winter conditions when a proposed burn has containment lines that have weaknesses such as zones of high fuel loads or rely on natural containment lines.								

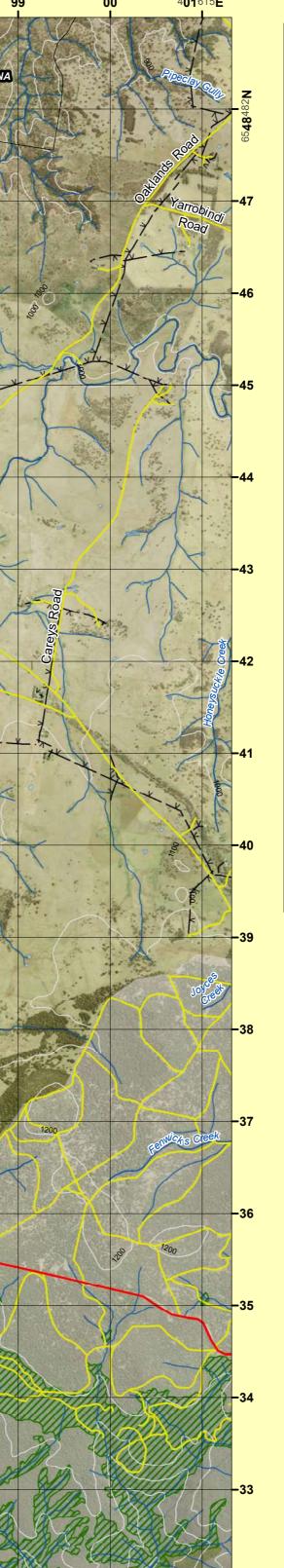
Operational Guidelines								
Hazard Reduction BurningLandscape scale wildfires have occurred across this reserve. Hazard Reduction activities in Lan Management Zones should be limited to hazard reduction burning which aims to normalise exten areas of single fire age classes since the last extensive wildfire event.								
Aerial Operations	 Aerial operations will be managed by trained and competent personnel. This includes directing aerial bombing and aerial ignition operations The use of bombing aircraft without the support of ground based suppression crews should be limited to very specific circumstances. All aerial ignition operations require the consent of the NPWS Branch Director or the Section 44 appointee. 							
Backburning	 All personnel must be fully briefed before back burning operations begin. Backburning in areas of Low – Moderate OFH will require the use of wind, or low humidity to maximise effectiveness. 							
Command & Control	 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 initial Incident Controller will liaise with the RFS to ensure that the agency in command is determined and an Incident Controller is appointed. 							
Containment Lines	 New containment lines require the prior consent of a senior NPWS officer. Construction of new containment lines should be avoided, where practicable, except where they can be constructed with minimal environmental impact. If new containment lines are required, then these should be located on old logging trails by preference. All personal involved in containment line construction should be briefed on and must consider both natural and cultural heritage sites in the location. All containment lines not required for other purposes should be closed immediately at the cessation of the incident. 							
Earthmoving Equipment	 Plant may only be used with the prior consent of a senior NPWS. Plant must always be guided and supervised by an experienced officer, and accompanied by a support vehicle (NPWS). When engaged in direct or parallel attack, this vehicle must be a fire fighting vehicle. Phytophthora cinnamomi has been recorded in the northern section of the park. The use of earth moving equipment in this area should be minimised if possible, and washdown procedures put in place if equipment is deployed. Earth moving equipment is excluded from zones marked on the Operations Map. Plant must be washed down, where practicable, prior to it entering NPWS estate and again on exiting NPWS estate. 							
Fire Suppression Chemicals	 The use of foam, wetting agents and retardants will NOT be permitted within 50 metres of rainforest, dams, water courses and swamps. The aerial use of foam, gels and retardants should be approved by the Branch Director or delegate. The use of retardants requires the approval of the Branch Director or delegate 							
Rehabilitation	 Where practicable, containment lines should be stabilised and rehabilitated as part of the wildfire suppression operation. 							
Water Points	Consider deployment of a bulk water carrier to support fire operations.							
Smoke Management	 The Oxley Highway runs through the northern section of the Park and the effects of smoke on traffic may be severe. Consult with Roads and Maritime Services in these circumstances. Potential smoke impacts and mitigation tactics will be assessed during the planning of fire operations. 							
Visitor Management	 New Country Swamp is the only camping and picnic area in the Park. All other park use is dispersed and generally at low visitor frequencies. In Extreme + Fire Danger at the Branch Directors discretion, reserves or sections of the reserve may be closed or evacuated. Ensure the closure is advertised on the NPWS visitor website 							
 WARNINGS The forests within Mummel Gulf NP & SCA are capable of sustaining rapidly moving high ir fires. There is a high risk of entrapment in these areas under severe or above fire danger ratio. Fire runs should be anticipated with winds from any direction. 								

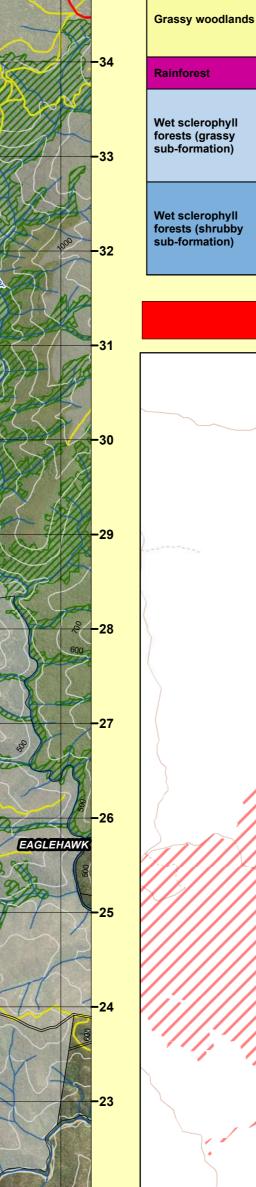
Heritage Guidelines							
	IS 1 – As far as possible protect site from fire. Do not cut down trees.						
Aboriginal	IS 2 – As far as practicable protect the site from fire. Avoid all ground disturbance and driving over						
Cultural Heritage	sites. Avoid water bombing which may cause ground disturbance.						
Tientage	IS 3 – Avoid all ground disturbance. Avoid water bombing. Site may be burnt by fire without damage.						
	Dicks Hut (Top and Bottom)						
	Flammable elements exist at these sites. Protect from fire if possible.						
Historic Sites	Use of foams & retardant is acceptable.						
	Porters Trig						
	Is well protected by an APZ associated with tower facilities.						
Threatened	The protective actions for threatened fauna have been incorporated into the Operational Guidelines						
Fauna &	The reserve contains a high number of hollow dependant threatened species. Maintaining the						
Flora	diversity and quantity of these habitat trees is a high priority.						
Soil Erosion	The soils within the reserve are generally stable. Steep terrain is susceptible to erosion after disturbance.						
Management	Fire trails used in fire operations should be drained as soon as possible after use.						

Suppression Strategies								
Conditions Guidelines								
All vegetation typ	es							
	Consider a broad containment strategy using existing roads, allowing long-term management							
Fire danger rating LOW - HIGH	requirements for biodiversity							
	Direct and parallel attack may be applied with earthmoving machinery and fire units.							
	Close parallel or direct attack may be an option at night depending on weather conditions.							
Fire danger rating	Distance between the flank and machinery and fire units should be kept to a minimum							
VERYHIGH	Secure and deepen containment lines on the next predicted downwind side of the fire.							
	 May require aerial support to manage spot overs and monitor fire spread. 							
	Firefighter safety is the paramount consideration in deployment.							
	Undertake broad containment strategies using main fire trails and cleared country.							
Fire danger rating	 Tactics will include property protection where safe and necessary. 							
SEVERE - EXTREME +	Close parallel or direct attack and / or mop up of fire edge may be an option at night depending on							
	weather conditions.							
	Warning: Fire runs should be anticipated with winds from any direction. Entrapment risk is very high.							

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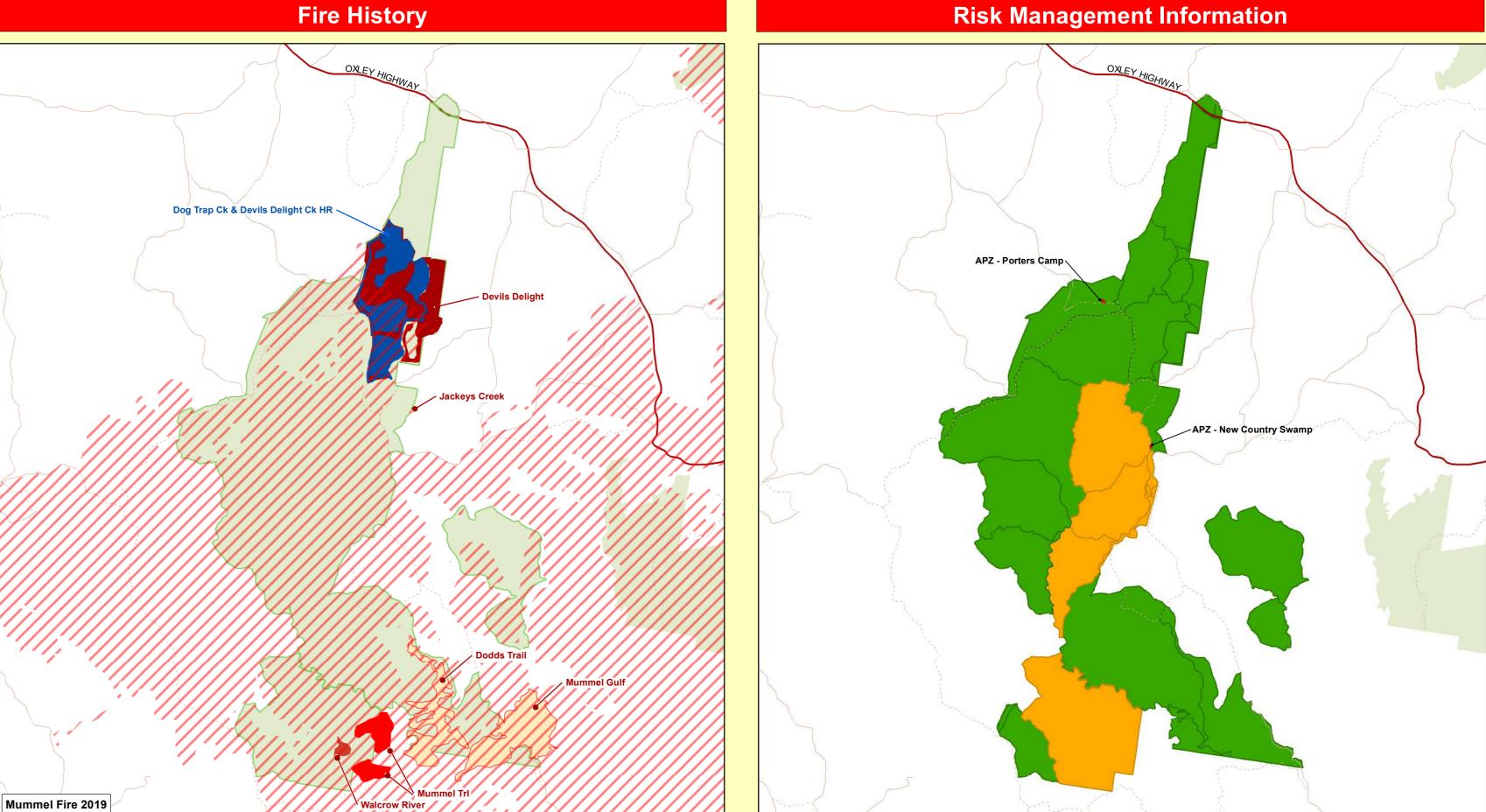


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Vegetation

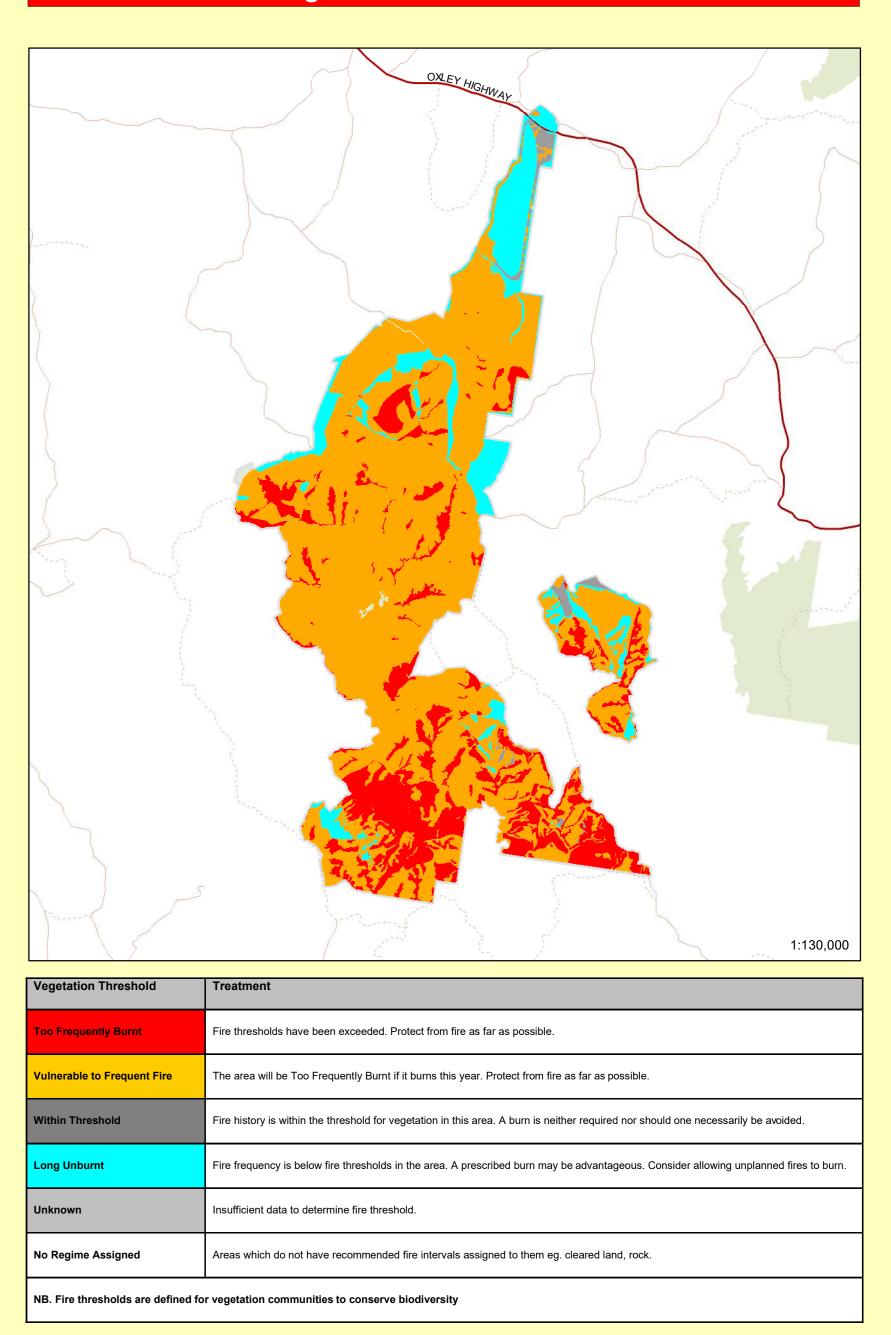
Vegetation Management Guidelines Fire Behaviour Formation (Keit Past clearing events have generated this variable class of • Potential rates of spread are variable from Low to High given the variation that exists within this disturbed class of vegetation. Fire vegetation that can include native grasses and shrubs, Cleared Land behaviour should be assessed on its merits and the vegetation introduced weeds and regenerating native overstory species. No fire intervals are prescribed for cleared areas and fire present. management should be based on the revegetation intent. • The minimum interval between low intensity fires is more than 5 • This class of vegetation is often associated with hilly and steep terrain which cause variable fire behaviour with due to terrain driven years. • The maximum interval between fire should be less than 50 factors. The potential rates of spread during extended dry season can be (shrub/grass sub• The minimum interval between high intensity fires should be very high due to terrain factors. The very steep terrain, skeletal soils and droughty nature of these escarpment sites mean OFH is nation) evaluated on forest condition. normally in the range of Moderate to Very High. Many sites with this vegetation class have been exposed to Spotting associated with uphill fire runs can be severe. frequent fires for extended periods. • Avoid Fire intervals of less than 7 years and greater than 30 OFH is highly dependent on time since fire. The potential rates of spread van vary from Moderate to Very High due depending on OFH. / sclerophyll • These the fuels in these communities can carry very short interval • The minimum interval between high intensity fires should be ests (shrubby evaluated on forest condition. sub-formation • A diversity of fire intervals across the local landscape should be maximise Fires should be avoided unless required for strategic protection of the reserve. Frequent fire may kill Lignum and Cane grass Potential rate of spread is low due to Low-Mod OFH in most years. Localised areas of High OFH may produce areas of higher fire shrublands. Fire may promote exotic species growth. intensity. Strategic burning should avoid fire intervals of less than 6 years and greater than 35 years. • The minimum fire interval in healthy stands of these grassy • Potential rates of spread are **High** due to the grassy nature of the woodlands is five years. Where the health of the woodlands in flammable elements in generally **Moderate OFH.** Grassy woodlands compromised through dieback the minimum fire interval should be increased to 10 years. The maximum fire interval is 40 years. No prescribed burning should be conducted. • Potential rates of spread are usually very low to zero rate of spread. • Avoid high intensity fires close to rainforest boundaries. • The minimum interval between low intensity fires is less than 10 • The potential rates of spread during extended dry season can be High due to Moderate to Very High OFH. • There is a high potential for spotting in this vegetation type. • The minimum interval between high intensity fires should be more than 10 years. • Fires are often of high intensity. • A diversity of fire intervals across the local landscape should be maximised The minimum interval between moderate intensity fires is 25 The potential rates of spread during extended dry season can be High due to High to Extreme OFH. • The minimum fire interval between high intensity fires should be • There is a high potential for spotting in this vegetation type. more than 25 years. • Fires are often of high intensity. A diversity of fire intervals across the local landscape should be maximised

Fire History



Fire Type	Fire Details		Fire Management Zone	Treatment	
Prescribed Burn	2018-19: Dog Trap Ck & Devils Delight Ck		Asset Protection Zones	The objective of APZ s is the protection of human life and property. This will have precedence over guidelines for the management of biodiversity. Maintain Overall Fuel Hazard at Moderate or below.	
	2019-20: Mummel Fire				
	2018-19 Devils Delight				
	2017-18: Walcrow River				
Wildfires	2016-17: Mummel Trl			Overall Fuel Hazard at HIGH or below.	
	2014-15: Jackeys Creek				
	2013-14: Dodds Trail		Land Management Zones		
	2013-14: Mummel Gulf			thresholds.	

Vegetation Fire Thresholds



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