

Mid North Coast Region

Fishermans Bend Nature Reserve & State Conservation Area



Fire Management Strategy (Type 2)

2006

Sheet 1 of 1

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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Department of Environment and Conservation (NSW) This strategy is a relevant Plan under Section 38 (4) and Section 44 (3) of Rural Fires Act 1997.

Approved 12 April 2006 Director Northern, Parks & Wildlife Division

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Locality

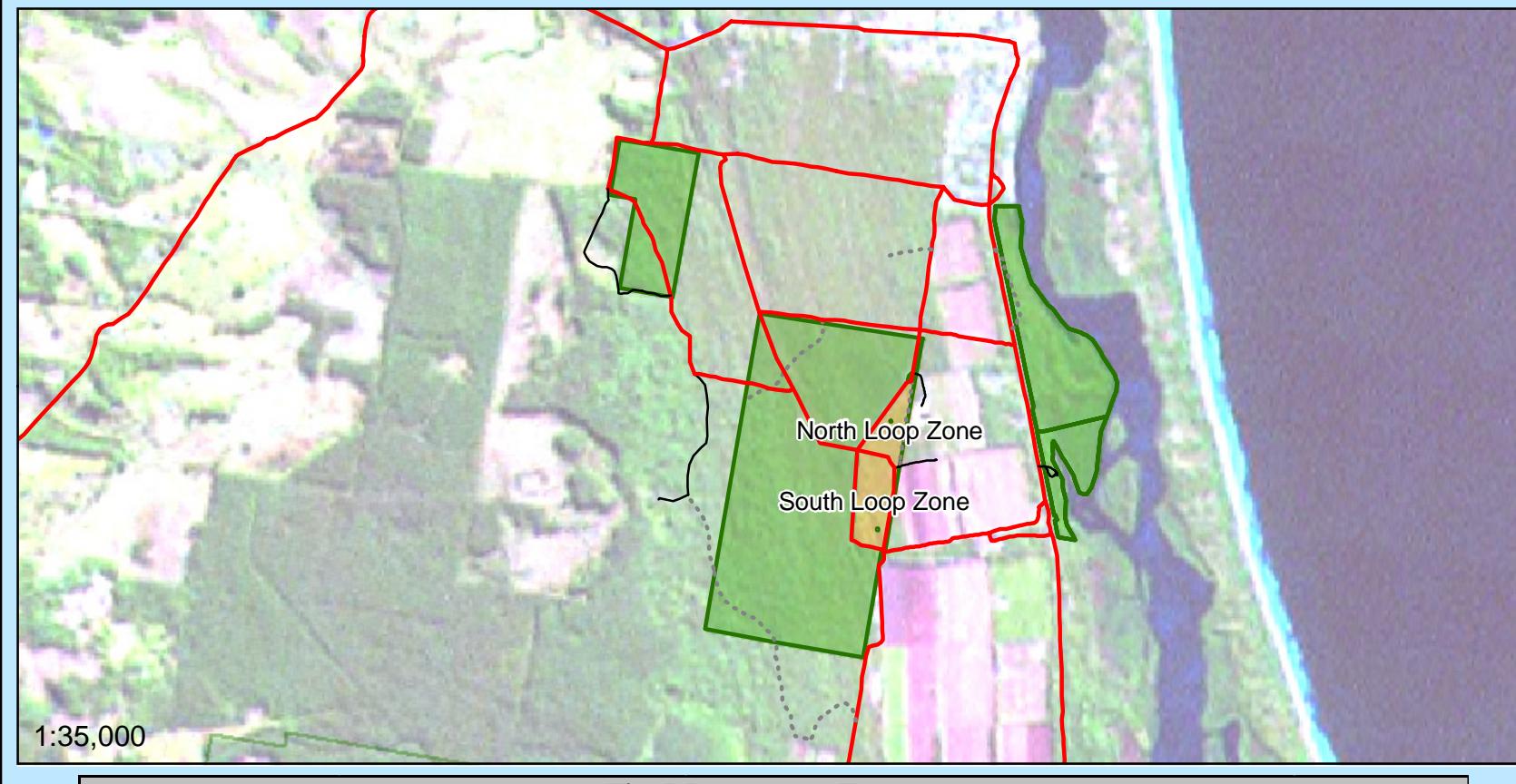


N
W
E
S

Datum: AGD66
Projection: UTM
Grid: AMG Zone 56

Noted scales are true when this map is reproduced on A1 paper
Produced by MNC GIS

Risk Management Information

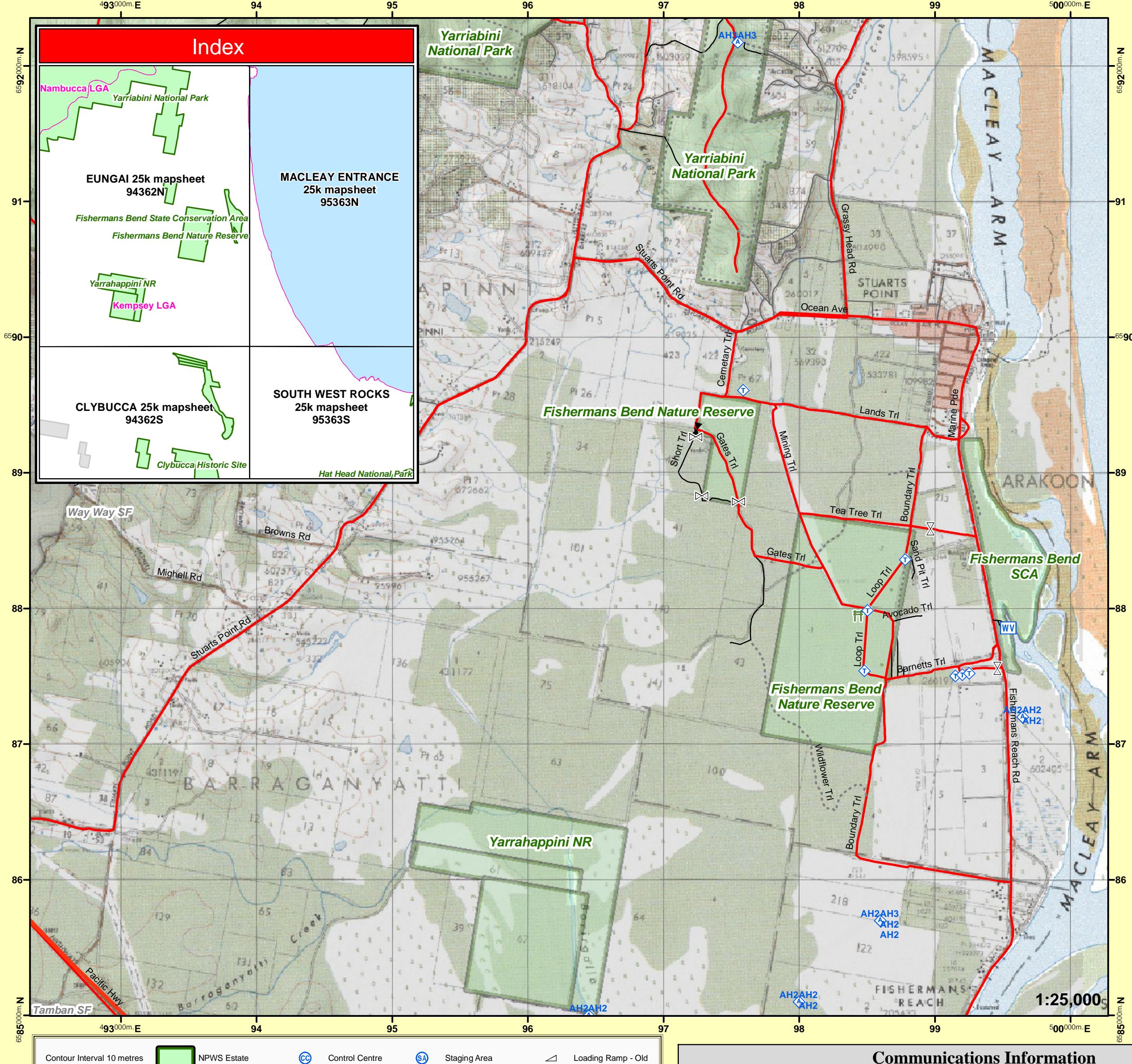


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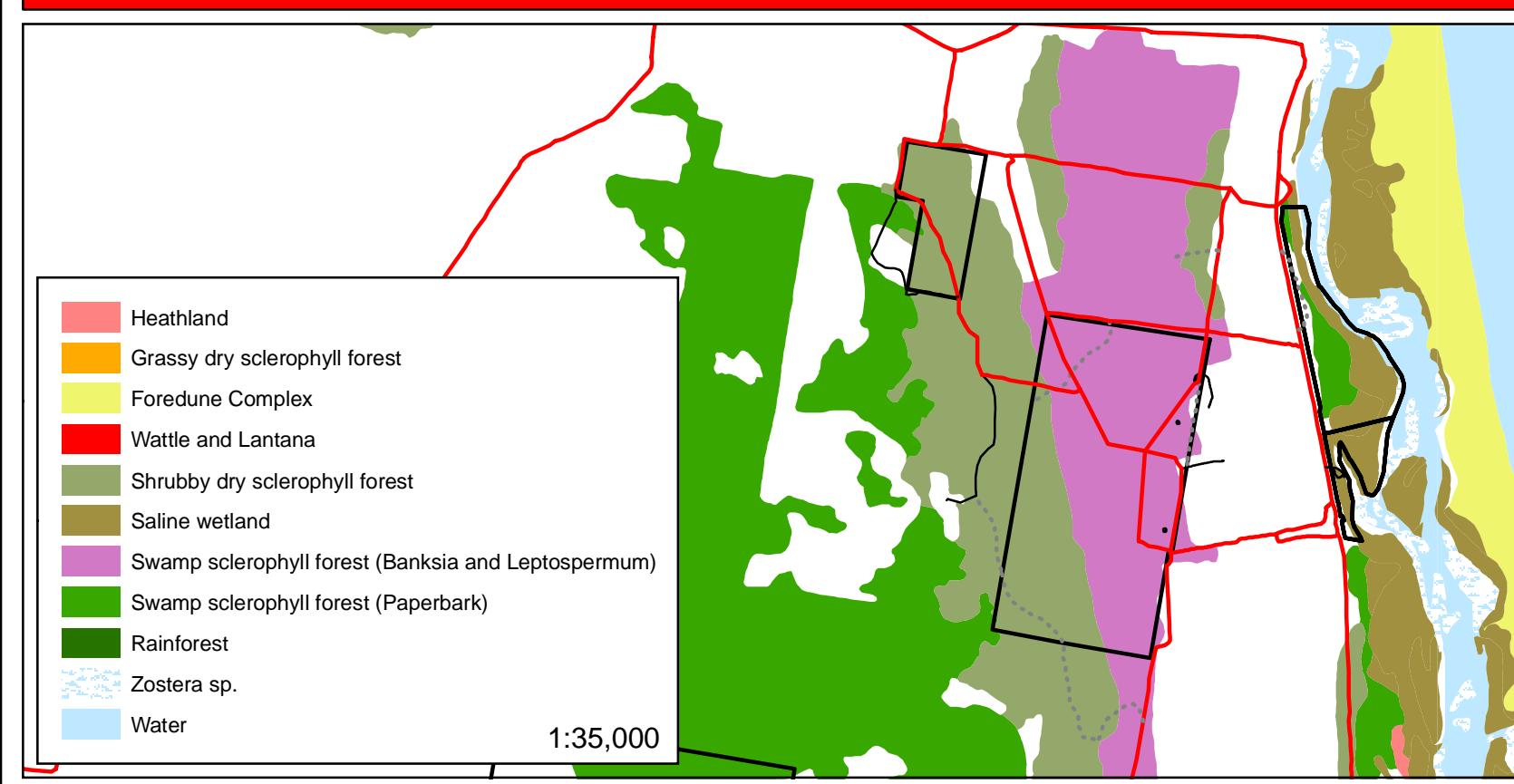
Fire Management Zones

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.
Strategic Fire Advantage Zones	The objective of SFAZ's is to reduce fire intensity across larger areas. Maintain Overall Fuel Hazard at High or below, however adherence to guidelines for biodiversity will take precedence where practical.
Heritage Management Zones	The objective of HMZ's is to conserve biodiversity and protect cultural heritage. Manage fire consistent with fire thresholds.

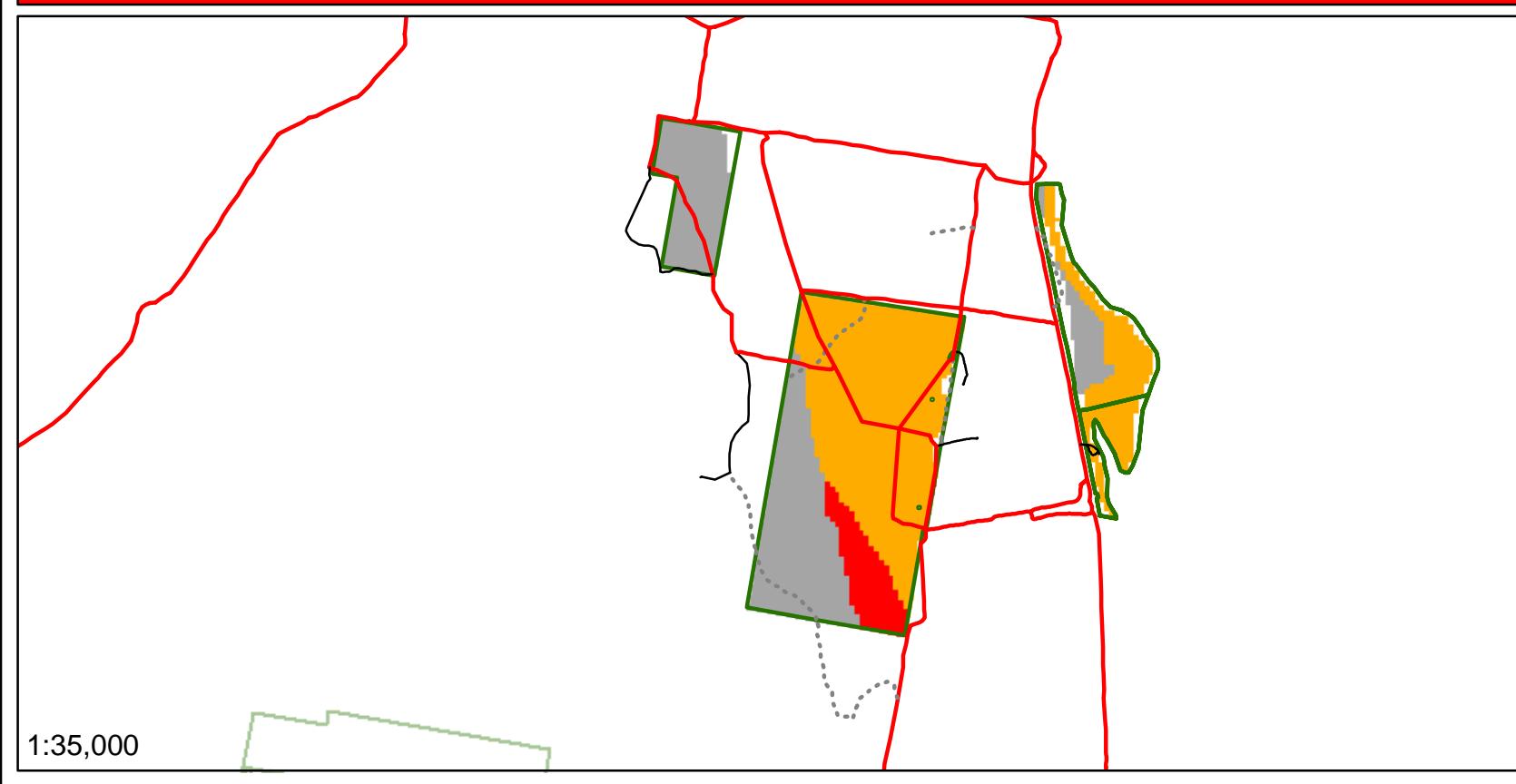
Bushfire Suppression



Vegetation



Status of Fire Thresholds



Fire Thresholds

Overburnt	Fire thresholds have been exceeded. Protect from fire as far as possible.
Vulnerable	The area will be Overburnt if it burns this year. Protect from fire as far as possible.
Recently Burnt	Time since fire is less than the optimum interval, but before that it was within threshold. Avoid fires if possible.
Within Threshold	Fire history is within the threshold for vegetation in this area. A burn is neither required nor should one necessarily be avoided.
Almost Underburnt	The area is close to its threshold and may become underburnt with the absence of fire. A prescribed burn may be advantageous. Consider allowing unplanned fires to burn.
Underburnt	Fire frequency is below fire thresholds in the area. A prescribed burn may be advantageous. Consider allowing unplanned fires to burn.
Unknown	Insufficient data to determine fire threshold. NB. Fire thresholds are defined for vegetation communities to conserve biodiversity

Operational Guidelines

Resource

Guidelines

- Aboriginal & Historic Heritage: Brief all personnel involved in control line construction on the location of sites and required control line route, check for unknown sites during operations. AH1 - Do not cut down trees. Use of foams, wetting agents and retardants is acceptable. AH2 - Avoid all ground disturbance including the use of earthmoving machinery, bulldoze construction and driving over sites. Avoid water bombing which may cause ground disturbance. Site may be burnt by bushfire. AH3 - Avoid all ground disturbance including the use of earthmoving machinery, bulldoze construction and driving over sites. Avoid water bombing which may cause ground disturbance. Permission required from Aboriginal Heritage Environmental Officer and Aboriginal community.

Threatened Property

(NPWS FMM 4.11)

- All property owners with assets at possible risk from a wildfire event will be:

- Kept informed regarding the progress of the fire; and

- Asked for an assessment of their current level of asset protection preparedness.

Threatened Fauna

(NPWS FMM 4.13 & 5.2)

- Brief all personnel involved in control line preparation or in vehicle based fire suppression on the location of sites.

- If possible, protect habitat area from burn if the effects of the resulting fire frequency, season and/or intensity will have a significant impact or are unknown

- Check for unknown locations of threatened fauna during operations

- Wetting agents, foams and retardants are not to be used within 50 metres of waterways or water bodies

- Avoid fire in the spring due to ground nesting birds

- Avoid depletion of fire ground water supplies

- Wildlife rescue program to be implemented when IC declares it safe to undertake on-ground rescue operations

Threatened Flora

(NPWS FMM 4.13)

- If possible, protect populations or individuals from burn area if the fire frequency thresholds are exceeded or the fire response category of the species is either an obligate re-seeder or unknown.

- Check for unknown locations of threatened flora during operations

- Clear 1m radius around stags, habitat and feed trees, on-ground hollows and timber forest bridges, adjacent to control lines

- Avoid high intensity fire, where possible do not allow flame height to exceed one third of tree height

Fire Fighting Activity

Guidelines

- 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 consult with regard to the ongoing command, control and incident management team requirements as per the relevant BFMC Plan of Operations.

- Crew shift should be no longer than 12 hrs within a 24-hr period with a min 8-hr break.

- Max of 3 days on fire ground and/or IMT.

- Changeovers in the field should preferably take place during daylight

- Changeovers of field and IMT personnel should be staggered when possible so that outgoing IMT staff brief incoming field staff before going off shift, and the outgoing Div Comms can brief the incoming IMT staff

- The park may be closed to the public when it is considered necessary due to conditions, which create an extreme fire danger, or during fire fighting operations.

- All fire advantages used during wildfire suppression operations must be mapped and added to the GIS database.

- Where possible point of origin to be protected by crews undertaking suppression operations

- NPWS Fire Investigators will be made available to investigate fire. As close as possible to the time of ignition, preferably within 24 hours

- Note: All evidence relating to the circumstances surrounding fires of a suspicious origin must be brought immediately to the attention of the NSW Police

- 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.

- Fixed wing bombing aircraft must operate out of the closest airfield practicable.

Communications Information

Service	Channel	Location and Comments
NPWS - VHF	2	Mount Yarrahappini
NPWS - VHF (Fireground Comms)	34	
NPWS - VHF (Portable Repeater)	13	Stored at Hastings Depot.
Forests NSW	6	NPWS Channel 82 Coffs
RFS - PMR - UHF	72	Mount Boonanghi
CB - UHF	See Note	Incident Controller to advise channel
Mobile Phone - CDMA	Yes	Ridgetops Only
Mobile Phone - GSM	Yes	Poor Coverage

Strategy Information

Fire Season Information	Moderate condition - Containment Strategies Wildfires
	Severe or dry unstable weather conditions forecast: ° Direct and indirect (parallel) attacks with fire units to minimise fire area and secure flanks as soon as possible on the closest control lines. Moist weather forecast: ° Direct and parallel attacks with fire units to minimise fire area and secure flanks as soon as possible on the closest control line.
	Extreme condition - Containment Strategies All weather forecast: ° Fall back to existing trails and roads and recently burnt areas. ° Undertake reconnaissance and prepare control lines, primary and fallback, during the day. ° Target backburning operations for when humidity rises in late afternoon and early evening in order to backburn the area between the control line and the fire during the night. ° NOTE: In Heathlands wind speeds in excess of 12 kph constitutes extreme conditions, no matter the temperature
Prescribed Burning (NPWS Fire Management Manual 4.7)	Autumn and Winter. HR burns may be undertaken in Spring, but only in Asset Protection Zones

Contact Information

Agency	Position / Location	Phone
NPWS	MNC Regional Office MNC Regional Duty Officer	6586 8300 Fax 6584 9402 016 301161
	Macleay Area Office Kempsey Depot Ranger - Cath Ireland Senior Field Supervisor - Peter Greenup	6566 6621 Fax 6566 6507 6562 2376 Fax 6562 2391 6566 7589 6566 7293
Rural Fire Service	Macleay Fire Control Centre (24 hours) Nambucca Fire Control Centre (24 hours)	6651 9490 Fax 6562 2566 6568 2536 Fax 6568 3386
NSW Fire Brigade	Emergency Kempsey Station South West Rocks Station	000 6562 4442 6566 6052
SES	Emergency Kempsey Unit Gladstone Unit	000 6562 2228 6567 4369
Police	Emergency Gladstone Station Kempsey Station	000 6567 4244 6562 6444
Ambulance	Emergency Bookings	000 131233
Forests NSW	Wauchope	6585 3744 Fax 65852392
Local Government	Kempsey Council	6562 6077 Fax 6562 8902