

Inset 2: 1:25000 Top	oographic Map Index
Main Roads Minor Roads Mapsheet boundaries Bees Nest NR Other NPWS Reserves WINDELLAMA 88271N Sandy Point	Touga TOUGA 89283S NERRIGA 89274N
OALLEN 88271S	ENDRICK 89274S

Emergency Calls - Fire, Ambulance, Police	¥
Call "000" stating service required	
National Parks & Wildlife Service NSW	
Dept.of Environment & Conservation)	
Emergency Contact	
Business Hours - 0830-1630 MonFri.	4423 2170
After Hours / All areas	1800 629 104
Local NPWS Area Office - Ulladulla	4454 9500
Coller Rd Ulladulla NSW 2539	
South Coast Regional Office	4423 2170
55 Graham St. Nowra NSW 2541	
Rural Fire Service	
Lake George Fire Control	
Quean beyan office	6297 1840
Braidwood office	4842 2516
Shoalhaven Fire Control	4424 4424
Goulburn-Mulwaree Fire Control	4822 2900
State Forests	
Hardwood Forests	
Batemans Bay office	4472 6211
Police	45-65-46-7 SE-57-60 SE
Braidwood Police Station	4842 2101
Nowra Police Station	4421 9699
Ulladulla Police Station	4454 2542
State Emergency Service (SES)	
Emergency Assistance No.	132 500
Ulladulla Headquarters	4454 2121
Nowra Headquarters	4423 0081
Braidwood Headquarters	4842 2533
Goulburn Headquarters	4822 1800
Local Government	
Palerang Council	1300 735 025
Shoalhaven Council	4429 3111
Shoalhaven Council (after Hours)	4421 3100
Goulburn-Mulwaree Council	4823 4444
Goulburn-Mulwaree Council (after hours)	4822 2148
COMMUNITY CONTACTS	
Nearest Hospital/s	
Braidwood Hospital	4842 2566
Shoalhaven Hospital, Nowra	4421 3111
Milton Hospital	4455 1333
NIANIA	0440 407 044

	are broad guidelines only and fire requirements	for specific species	
The veget Strategy.	tation types listed below are not all necessarily	present within the a	rea covered by this Fire Management
Map ID Regime	Vegetation type	Minimum fire interval	Maximum fire interval
Α	Coastal complex, Woodland, Grassy dry forest	5	30
В	Wetlands	6	35
С	Open forest, Woodland	5	40
D	Grass forest, Riparian forest, Coast/Plateau complex, Dry forest	5	50
Е	Coastal Dune Scrub, Coastal Sands Forest, Open Forest, Dry Forest, Heathland	7	30
F	Riparian Forest, Dry Forest, Swamp Forest, Moist Forest	7	35
G	Acacia Scrub, Shrubland, Grassland	8	30
Н	Moist Forest, Gorge/Gully Forest	25	200
1	Rainforest, Exotic Forest, Mangrove, Marsh	Exclude fire where possible	Exclude fire where possible
No Regime	Rural, Urban, Waterbodies	N/A	N/A

NANA

0418 427 214

They are framed by current cooperative arrangements with other fire authorities, NPWS strategies for fire management, reserve management plans, neighbours and other sitespecific issues that need to be considered. Feedback on these matters is always appreciated and should be directed to NPWS Ulladulla Area, PO Box 72, Ulladulla NSW Command and Control: The NPWS is responsible for fire management within the reserve. Any fire authority may initiate size-up and attack with advice to the NPWS upon initial fire sighting or report. See Contacts section to advise fire reports in or within 8km of the reserve. Class 1 fire suppression operations may remain under command of the initial attack agency following assessment and advice by NPWS. Visitor Safety: Consider public safety within initial response operations (i.e., clearing likely visitor use areas and sites, warnings and information, on-site protection, closures or evacuation where instructed by Police). Fire Suppression: Firefighter safety is paramount. Containment options should consider using existing roads, trails, walking tracks and recently burnt areas. Where possible to limit unnecessary damage, earthmoving equipment should be limited to brushing up existing tracks

Earthmoving Equipment: Except for immediate initial attack, the use of earthmoving equipment for fire suppression within the reserve requires NPWS consent. There are significant natural and cultural values at unnecessary risk from unplanned use of earthmoving equipment. Contact the NPWS if earthworks are required. ALL use of earthmoving equipment will be consistent with NPWS safety, operational and Aerial operations: Aerial operators should be briefed on location of transmission lines in the area. Consider safety implications where aircraft will operate over any adjacent dwellings, or operate from publicly accessible fireground sites. Aerial operations should be postponed or abandoned if there is a high risk of a storm moving through the area, or there is a significant wind change anticipated.

Smoke Management: Cold air drainage patterns in this area may also carry smoke some distance from the fireground and may adversely affect transport operations. Notify nearby highway and airspace management agencies if a smoke hazard to traffic is likely.

Rehabilitation: Earthmoving equipment and other resources should be allocated to soil erosion control works and remedial restoration before standing down from fire Arson: Report ALL fires of unknown cause or suspected arson to Police via Fire Control. Protect likely ignition point/s or evidence. Report any suspicious activity on or near the fireground. Locked Gates: Any NPWS locked gates within the reserve are fitted with standard key kept in fire tankers and available from Fire Control. Report any missing or damaged locks via Fire Control or to NPWS. For public safety during fire operations, some gates may need to left in closed position but not locked. Close/lock NPWS gates after operations. Where safe, leave farm gates as you find them. Map Grid: (zone 55 & 56) Datum for map grid shown is AGD 66. This will remain in use until the majority of map sheets covering the area are revised to the newer GDA datum. To approximately locate a map reference given in GDA to this map (AGD 66) move approximately 200 metres to the southwest from the given grid reference. Conversely, to relay a grid reference from this map (AGD 66) to someone with a GDA

map, give the reference of a point approximately 200m to the northeast of the position

for the area left of the vertical yellow line may be inaccurate. For accurate map reference location of features use relevant topographic maps for area (see index map).

NB as base map for this area crosses two mapping projection zones, the grid references

These guidelines are provided to assist fire management activities within the reserve.

cooperative arrangements with neighbours, other fire authorities and land management agencies. Fire related works for the reserve are summarised and presented to the local District Bush Fire Management Committee annually, usually before the bushfire danger period. Some works indicated may not be completed due to prevailing weather patterns, or the necessary redirection of effort and resources to other priority fire tasks such as wildfire control and rehabilitation. In most cases, such deferred works are carried forward into subsequent programs. Information on the works to be undertaken are available from local NPWS offices and the relevant District Bush Fire Management mmittee at the district RFS headquarters. Fire Season information and weather patterns Wildfires: Fire history indicates fires of greater intensity and control difficulty during midsummer and autumn, though periods of drought may extend this from late October to May. Strong, westerly winds are noted from late August to mid October. Fire intensity and spread are largely dependent on seasonal curing in grassland areas. During summer the area is subject to hotter dry winds from the north and west. In this period, cooler, moister north-east sea-breezes may occasionally extend inland, Southerly changes over this period are usually much later, drier and lesser in strength than areas along the coast. Thunderstorm activity in the summer months often produces unstable

Prescribed Burning: Late summer / autumn / and winter are the preferred seasons for prescribed burning where desirable stable conditions and trends are more likely. Areas at higher all trudes may be sufficient to the conditions are more likely.

at higher altitudes may commence earlier in the season. Burning may take place outside

fireground weather with possible lightning ignitions and unreliable rainfall.

these periods for specific operational and biodiversity management objectives.

response arrangements across the Shoalhaven or Southern Tablelands Fire District. Thi

includes lookouts, surveillance flights, lightning detection and communications systems.

During periods of higher fire danger this reserve may be patrolled and restrictions placed

Fire Response: Apart from any specific conditions indicated in the Operational Guidelines, the NPWS as a NSW fire authority prepares and maintains personnel and

Prescribed Fire: May be introduced to maintain biodiversity or meet protection

obligations as identified within the fire management zones as mapped. The NPWS

prescribed burning. Each proposal is subject to environmental assessment and operational safety planning. All burning proposals for the coming season (July-June) are listed with the relevant Bush Fire Management Committee. For details or enquiries

maintains a record of known fire history and will annually review the need to undertake

Fire Management Access: At a minimum these will be reviewed prior to the fire season

and when the annual fire management works program is prepared. Other management

operations. Any firefighting access problems should be immediately notified to the NPWS

information programs in the relevant Fire District. For this reserve these will focus on fire

management works and biodiversity maintenance, personal safety and the safe use of fire, the NPWS role in cooperative fire management and response in the reserve.

The works program arising from the above strategies is prepared and reviewed annually. This program is prepared from the post fire season assessment of each of the

zones as above. Also considered are seasonal weather trends, available resources and

tracks will be maintained as required for reserve management operations or to limit environmental effects and should always be assessed before being used for fire

Area office (see Contacts). Also refer to operational guidelines.

Community Information: The NPWS will participate in cooperative community

arrangements within the relevant Fire District and across NSW.

contact the NPWS Area (see Contacts) or relevant Fire Control.

equipment to undertake fire management and response within the reserve. These

Fire Suppression: As this reserve is relatively small and isolated from other natural

areas, most unplanned fire will require a prompt response aimed at assessing fire size, access, and options for containment/limit to spread of fire. Fire suppression tactics in all areas will primarily consider immediate visitor and firefighter safety, minimising unnecessary disturbance and will have regard to constraints defined within the reserve

resources are also provided under cooperative contact, callout and incident management

Service	Channel	Location and Comments
RADIO		
NPWS - VHF	32 - 31	Mt Budawang & Red Rocks repeaters
NPWS - VHF (Fireground Comms)	43-44	17-18 - 5 Watt Channels
NPWS - VHF (Portable Repeater)	14	Stored at Ulladulla Area depot / transportable.
RFS - PMR - UHF	CH 81	Mt Budawang
	CH 77	Sassafras
CB - UHF	28	Forestry use
Aircraft - VHF		As advised by State Ops
PHONE		
Mobile Phone - CDMA		Minimal if any coverage available, none in valleys.
Mobile Phone - GSM		Minimal if any coverage available, none in valleys.
Satellite Phone		Available for deployment ex Ulladulla and Nowra Area

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Jerralong NR OALLEN	Nemga
OALLEN 88271S	89274S

Fire I	Management Strategy Information
manag area. fire ma cultura	e management planning the reserve is divided into three main types of fire gement zones each with strategies to address fire management in the particular Other strategies apply to the whole reserve (e.g., fire access network) or address magement for particular values found in the reserve (e.g., threatened species, all sites). These strategies guide the fire management and related works within this e. Guidelines are also provided to assist with operational matters – see table.
Fire M	anagement Zones
HM7	Heritage Management Zones: Within these zones fire is managed towards a

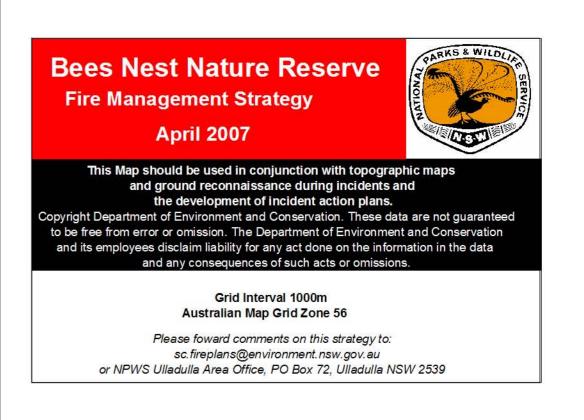
Heritage Management Zones: Within these zones fire is managed towards a range of intensities and frequencies required in order to conserve natural processes (biodiversity) and cultural assets. Fire authorities continue to aim at containing wildfires in these areas. For more information on the strategies and purposes of these zones refer to the NSW NPWS Strategy for Fire Management. www.nationalparks.nsw.gov.au NB: Some zones may extend beyond the boundaries of the Reserve to a logical fire break or boundary for the zone. Where these are outside the Reserve the owners / managers need to be contacted for details of fire management options for these areas. These zones will form part of the overall Bushfire Risk Management Plan for the relevant fire district.

Strategi	es to be used for Fire Management and Bushfire Suppression	
Heritage Management Zones – HMZs		
Map ID	Zone Name	
HMZ	Central HMZ, Northern HMZ	
	Strategies	
	Review fire management works program for the zone annually, post fire season. This assessment includes fire history, biodiversity maintenance and the condition of fire control facilities within the zone such as fire access tracks,	

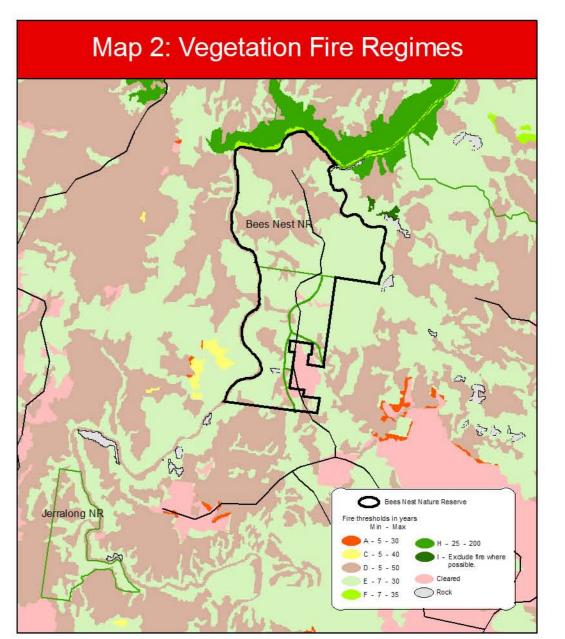
slashed areas, gates, information signs, identified water points etc.

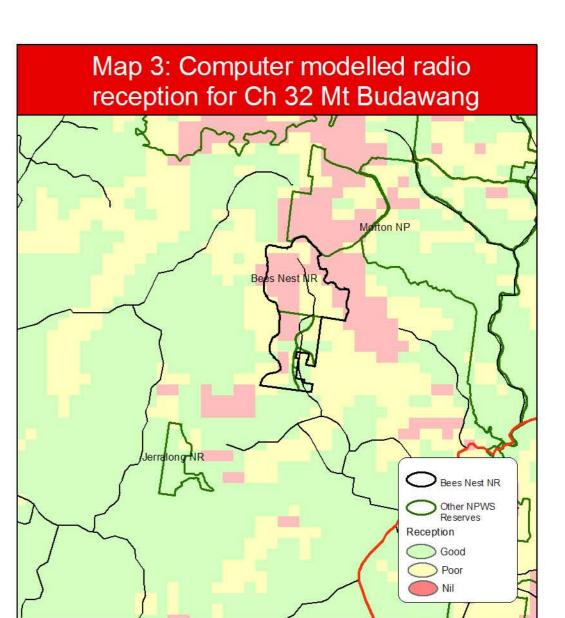
Undertake burning under prescribed conditions where indicated by above assessment for biodiversity maintenance requirements – as required.

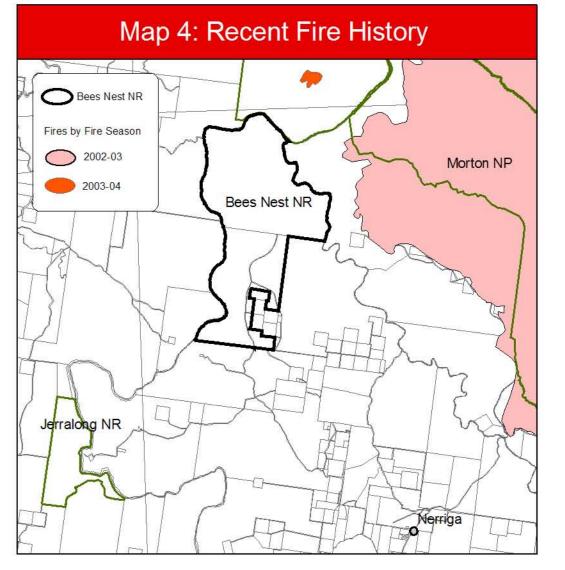
Fire Management Zones and strategies

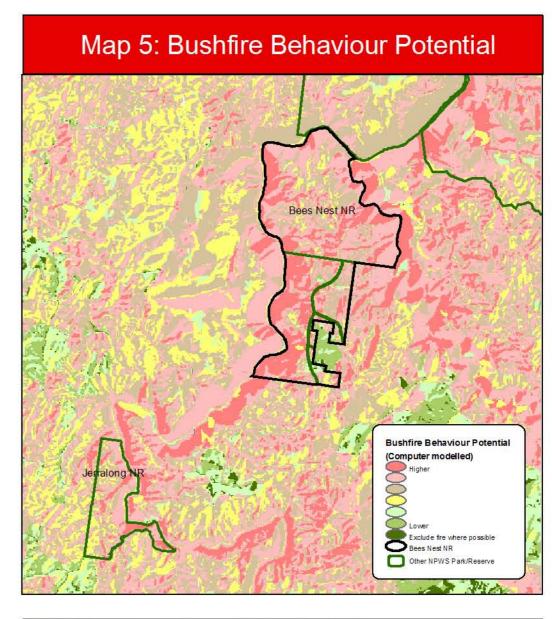












Bushfire Fuel Types and comparative fire behaviour This map shows modelling of comparative fire behaviour that may be expected in the various vegetation types across the reserve and surrounding areas. It is intended as an operational guide to assist fire suppression and prescribed burning operations but does not replace constant surveillance of on-site fire behaviour, weather trends and local terrain effects.

* Specific Requirements undetermined – No species specific fire requirements known at present, however the potential impact of firefighting chemicals and heavy machinery use should be considered and minimised where possible.