

**Operational Guidelines**

- Refer to Strategy for Fire Management 2003 and Fire Management Manual 2005  
 Brief all personnel involved in suppression operations on the following issues:
- General**  
 The use of bombing aircraft should support containment operations by aggressively attacking hotspots and spot-overs.  
 The use of bombing aircraft without the support of ground based suppression crews should be limited to very specific circumstances.  
 The use of bombing aircraft should be used to increase the effectiveness of the water.  
 Ground crews must be alerted to water bombing operations.
- Aerial Ignition**  
 Aerial ignition may be used during back-burning or fuel reduction operations where practicable, but only with the prior consent of NPWS Regional Manager or Section 44 delegate.  
 Unless incendiaries to rapidly progress back-burns down slope where required.
- Backburning**  
 Temperature and humidity trends must be monitored carefully to determine the safest times to implement back-burns.  
 Backburning should only be undertaken when the humidity begins to rise in the late afternoon or early evening.  
 With a lower FDI backburning may be safely undertaken during the day.  
 Where backburning is undertaken, it should be undertaken in a controlled manner.  
 All backburning should be undertaken in a controlled manner.  
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- Command & Control**  
 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 BFM Plan of Operations.  
 Containment lines constructed by earthmoving equipment should consider the selection of drainage features, observe the Threatened Species and Cultural Heritage Operational Guidelines, and be surveyed, where possible, to identify unknown cultural heritage sites.
- Containment Lines**  
 All containment lines not required for other purposes should be closed at the cessation of the incident.  
 All personnel involved in containment line construction should be briefed on both natural and cultural heritage sites in the locality.  
 Earthmoving equipment may only be used with the prior consent of a senior NPWS officer, and then only if the probability of its success is high.  
 Earthmoving equipment must be always guided and supervised by an experienced officer, and accompanied by a support vehicle. When engaged in direct or parallel attack this vehicle must be a firefighting vehicle.  
 Containment lines constructed by earthmoving equipment should consider the selection of drainage features, observe the Threatened Species and Cultural Heritage Operational Guidelines, and be surveyed, where possible, to identify unknown cultural heritage sites.  
 Earthmoving equipment should be washed down, where practicable, prior to it entering NPWS estate.
- Earthmoving Equipment**  
 All fire advantages used during wildfire suppression operations must be mapped and where relevant added to the database.  
 Writing and foaming agents (surfactants) are permitted for use in wildfire suppression.  
 The use of the retardants is only permitted with the prior consent of the senior NPWS officer, and should be avoided where reasonable alternatives are available.  
 Exclude the use of retardants and retardants within 50m of riparian, watercourses and dams. For swamp areas, retardants should be avoided, avoiding wetlands.  
 Areas where fire suppression chemicals are used must be mapped and the used product's name recorded.  
 The Threatened Species Operational Guidelines are to be observed.
- Fire Advantage Recording**  
 Where practicable, containment lines should be stabilised and rehabilitated as part of the wildfire suppression operation.
- Fire Suppression Chemicals**  
 The potential impacts of smoke and possible mitigation tactics must be considered when planning for wildfire suppression and prescribed burning activities.  
 If smoke becomes a hazard on local roads or highways, the police and relevant media must be notified.  
 Smoke management must be in accordance with relevant fire traffic management guidelines.
- Rehabilitation**  
 The reserve may be closed to the public during periods of extreme fire danger or during wildfire suppression operations.
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**Aboriginal Cultural Heritage**

- Aboriginal Cultural Heritage Site Management**  
 NPWS FPM 4.11.2
- As far as possible protect site from fire.
  - Do not cut down trees.
  - Use of fumes, wetting agents & retardant is acceptable.
  - As far as possible protect site from fire.
  - Avoid ground disturbance including hand tools, dozers.
  - Avoid water bombing which may cause ground disturbance.
  - Avoid ground disturbance including hand tools, dozers.
  - Avoid water bombing which may cause ground disturbance.
  - Site may be burnt by wildfire, backburn, prescribed burn.
- Historic Heritage Management**  
 NPWS FPM 4.10
- High RCHMS\* priority.
  - Avoid fire, including wildfire, backburning & HR.
  - Avoid all water bombing activities.
  - High RCHMS\* priority.
  - Avoid fire, including wildfire, backburning & HR.
  - High or low RCHMS\* priority.
  - Heritage site unlikely to be affected by fire.
  - Danger to any fire crew activity. Avoid site at all costs.
  - Low RCHMS\* priority.
  - Avoid fire, including wildfire, backburning & HR.
  - Avoid all water bombing activities.
  - Low RCHMS\* priority.
  - Avoid fire, including wildfire, backburning & HR.
  - High or low RCHMS\* priority.
  - Heritage site unlikely to be affected by fire.
  - Avoid use of earth moving machinery.
  - High or low RCHMS\* priority.
  - Heritage site unlikely to be affected by fire.
  - Avoid use of earth moving machinery.
  - Avoid all water bombing activities.

**Historic Heritage Management**

- Threatened Fauna Management**  
 NPWS FPM 4.12 & 8.2
- Protect large and hollow bearing trees.
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  - Avoid interfere intervals of < 10 yrs.
  - Avoid high intensity fires that consume tree canopies and fallen logs.
  - Avoid interfere intervals of < 10 yrs.
  - Habitat unlikely to be affected by fire.
  - Avoid use of earth moving machinery in wetland habitats.
  - Avoid use of retardant and foam in wetland habitats.
  - Habitat unlikely to be affected by fire.
  - Avoid use of earth moving machinery in dune habitats.
  - Avoid fire, including wildfire, backburning & HR, as far as possible in wetland habitat.
  - Avoid use of earth moving machinery in wetland habitats.
  - Avoid use of retardant and foam in wetland habitats.
  - Avoid high intensity fires that consume tree canopies and fallen logs.
  - Avoid fire, including wildfire, backburning & HR, as far as possible.
  - Avoid use of earth moving machinery.
- Threatened Flora Management**  
 NPWS FPM 4.10
- Avoid interfere intervals of < 10 yrs.
  - Avoid the use of earthmoving machinery.
  - Avoid fire, including wildfire, backburn, HR, as far as possible.
  - Avoid the use of earthmoving machinery.
  - Avoid the use of retardant.
  - Avoid high intensity fire.
  - Avoid interfere intervals < 10 years, effect unknown.
  - Avoid the use of earth moving machinery.
  - Avoid summer fire.
  - Avoid high intensity fire.
  - Avoid earth moving machinery.
  - Avoid low intensity fire.
  - Avoid interfere intervals of < 5 yrs.
  - Avoid earth moving machinery.
  - Avoid the use of retardant.

**Threatened Fauna Management**

- Threatened Flora Management**  
 NPWS FPM 4.10
- Where possible property owners with assets at risk from a wildfire event should be kept informed regarding the progress of the fire, and asked for an assessment of their current level of asset protection preparedness.

**Threatened Flora Management**

- Threatened Property**
- Where possible property owners with assets at risk from a wildfire event should be kept informed regarding the progress of the fire, and asked for an assessment of their current level of asset protection preparedness.

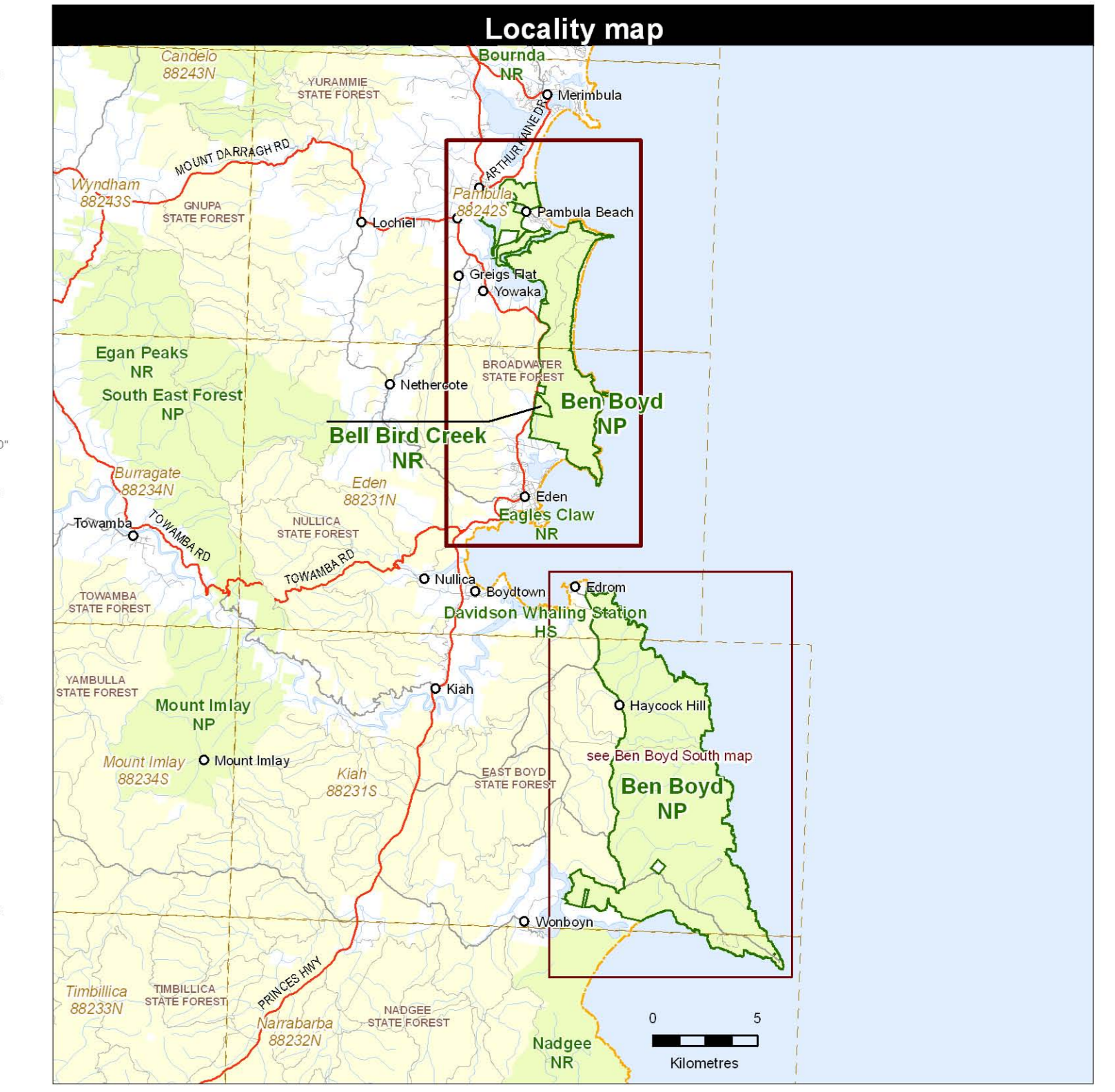
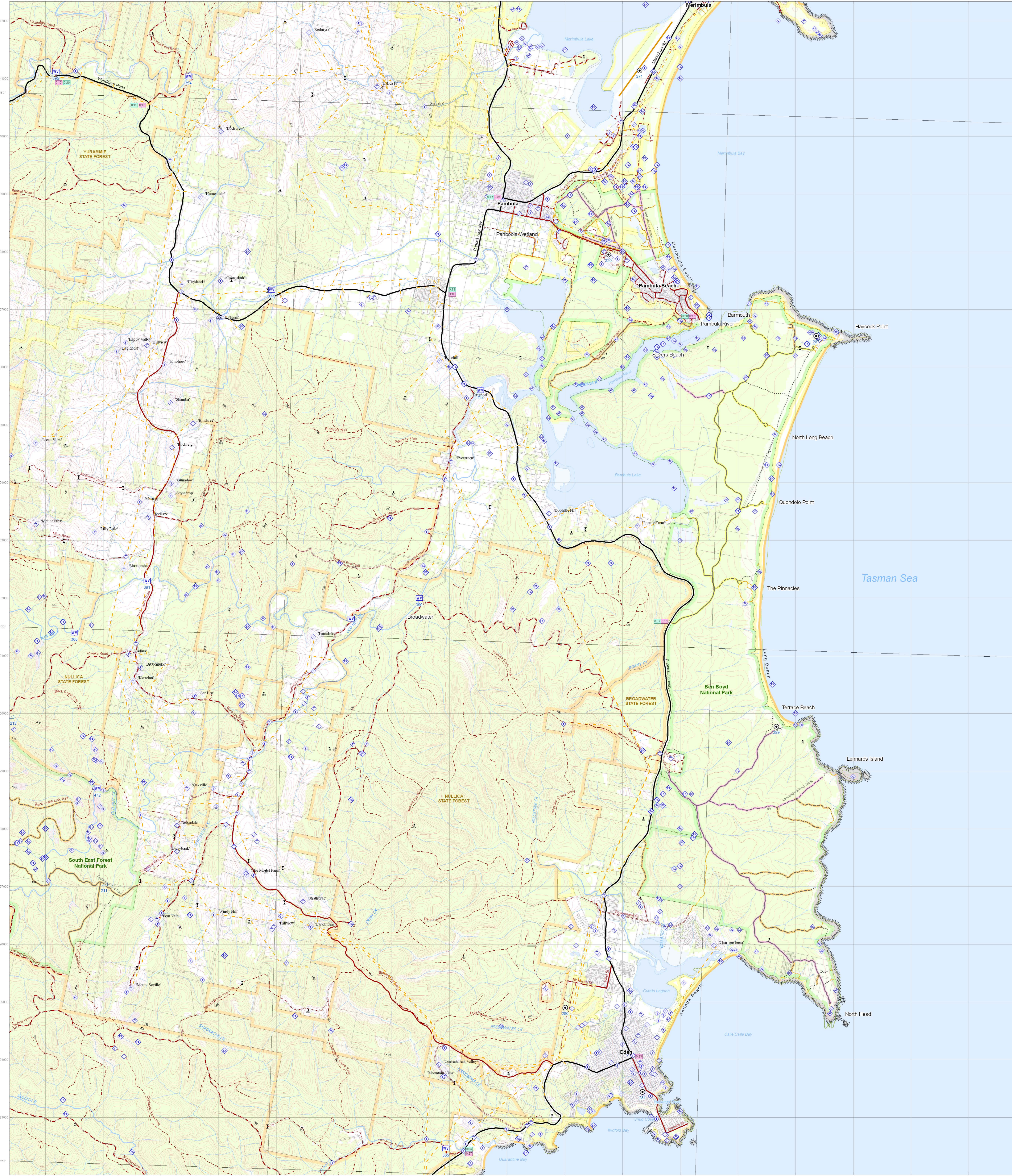
**Threatened Property**

- Communications Information**
- | Service                                  | Channel  | Location and Comments   |
|--|----------|---|
| VHF Communications (NPWS Two Way Radios) | 23       | Good coverage across most parts of the park and reserve   |
| UHF-FM/R (RFS Two Way Radios)            | 43<br>85 | Berrimill Hill – good coverage for Ben Boyd north and Bell Bird Creek NR<br>Tambillica – good coverage for Ben Boyd south |
| Mobile Phone                             | 3G       | At the time of printing the depth of coverage provided by the 3G network was untested.                                    |

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**Communications Information**



**Contact Information**

Agency	Position / Location	Phone
NSW National Parks & Wildlife Service (Dept. of Environment & Climate Change)	Merimbula Office (030-1630 Mon-Fri)	(02) 6495 5000 1800 629 1004
	NPWS Incident Response Answering Service (after hours)	
NSW Rural Fire Service	Bega Fire Control	(02) 6494 7400
NSW Fire Brigade	Merimbula captain – Dave Huntley	000 (02) 6495 7248
	Eden captain – Stewart Cross	(02) 6496 1032 / 6496 1858
	Wonboyn captain – Craig Butt	(02) 6496 9101
Forests NSW	Eden	(02) 6496 1500
	Emergency	132 500 (02) 6492 4123
SES	Bega Headquarters	
	Duty Officer – Norm McIntire	(02) 6492 4123
Police	Bega	000 (02) 6492 9999
	Merimbula	(02) 6496 1444 (02) 6495 1366
Ambulance	Emergency Bookings	000 131 233
Hospital	Bega	(02) 6492 9111
Council	Pambula	(02) 6495 6000
	Bega Valley Shire Council	(02) 6499 2222

**Fire Control Advantages**

Index	Type	Easting	Northing	Index	Type	Easting	Northing
271	Helipad (not maintained)	758300	5911140	389	Water Point Vehicle	753300	5901640
280	Helipad (not maintained)	757010	5894900	390	Water Point Vehicle	754480	5902000
281	Helipad (not maintained)	758350	5893440	392	Water Point Vehicle	755540	5905600
287	Helipad (not maintained)	751360	5906540	393	Water Point Vehicle	751920	5907340
320	Helipad (not maintained)	757750	5927951	394	Water Point Vehicle	756490	5911040
385	Water Point Vehicle	754940	5892460				

**Legend**

	<b>Assets</b>		<b>Fire Control Advantages</b>		<b>Elevation contours</b>
	<ul style="list-style-type: none"> <li>Bull asset</li> <li>Homesite</li> <li>Threatened fauna</li> <li>Threatened flora</li> <li>European sites (HHMS)</li> <li>Aboriginal site (type 1)</li> <li>Aboriginal site (type 2)</li> <li>Aboriginal site (type 3)</li> <li>Buildup area</li> <li>Powerline</li> <li>Pine Plantation</li> <li>On-park access (BFCC classes)</li> <li>Essential</li> <li>Important</li> <li>Dormant</li> <li>Trail capacity</li> <li>Cat 1</li> <li>Cat 7</li> <li>Cat 9</li> <li>Gates</li> <li>Walking Track</li> </ul>		<ul style="list-style-type: none"> <li>Water Point Vehicle</li> <li>Fire tower</li> <li>Heavy vehicle turn-around</li> <li>Dozer unloading ramp</li> <li>Water Point Helicopter</li> <li>Assembly Area</li> <li>Water Vehicle</li> <li>Helipad (not maintained)</li> <li>Refuge Area</li> <li>Helipad</li> <li>Landing ground</li> <li>Major sealed road</li> <li>Minor sealed road</li> <li>Residential street</li> <li>2WD track All-weather</li> <li>2wd track Dry weather only</li> <li>4WD track</li> <li>Travel time from Merimbula</li> <li>Travel time from Eden</li> </ul>		<ul style="list-style-type: none"> <li>10 metre</li> <li>100 metre</li> <li>High point</li> <li>Spot height</li> <li>Water features</li> <li>River/creek</li> <li>Watercourse (perennial)</li> <li>Watercourse (intermittent)</li> <li>Beach</li> <li>Rock</li> <li>NPWS estate</li> <li>NPWS estate</li> <li>State Forest</li> <li>Cadastre</li> <li>Crown land</li> <li>Vegetation cover</li> <li>Grassland/Pasture</li> <li>Heathland/Woodland</li> <li>Forest/Rainforest</li> </ul>

