

**Office of Environment & Heritage**  
NSW National Parks & Wildlife Service

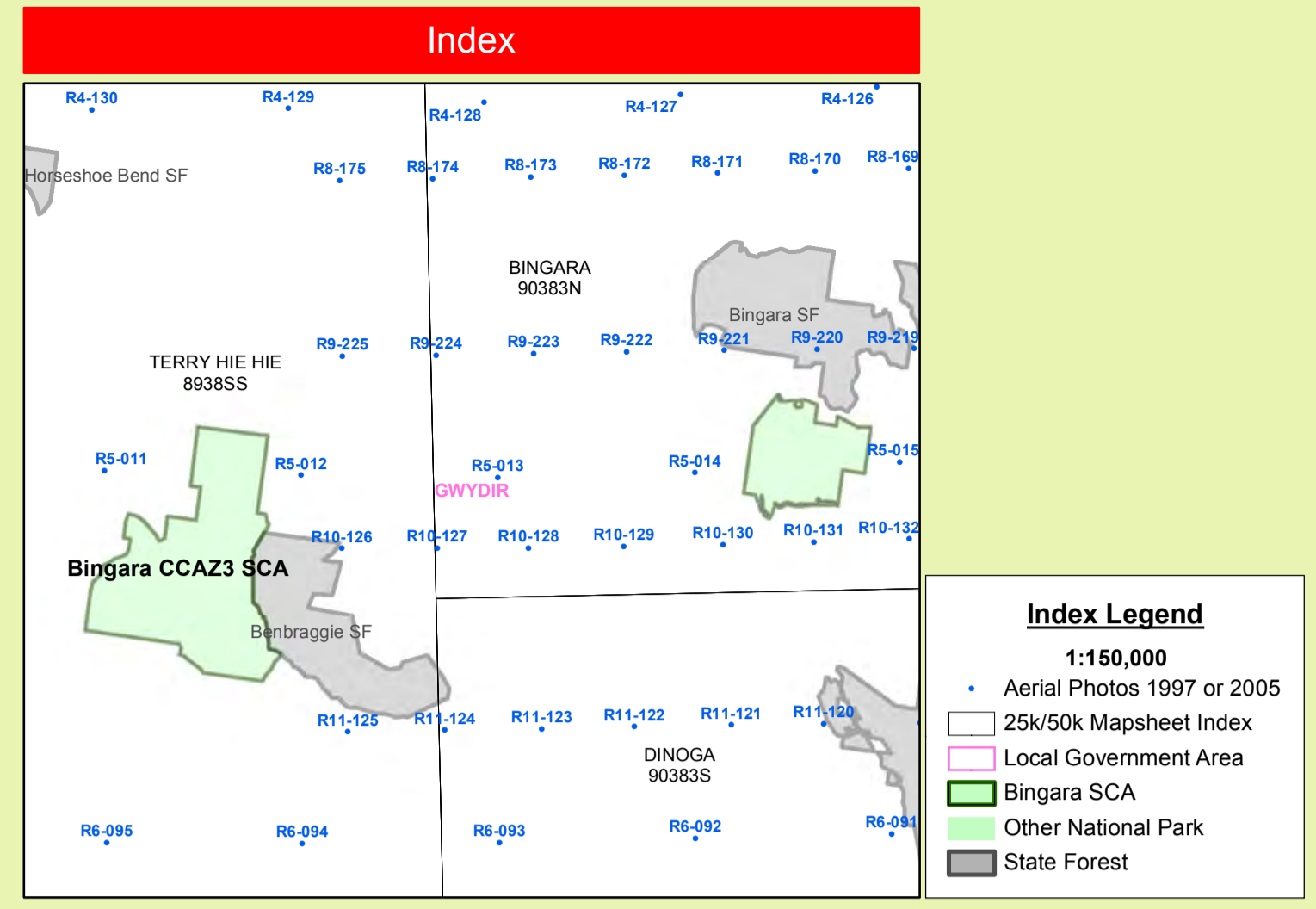
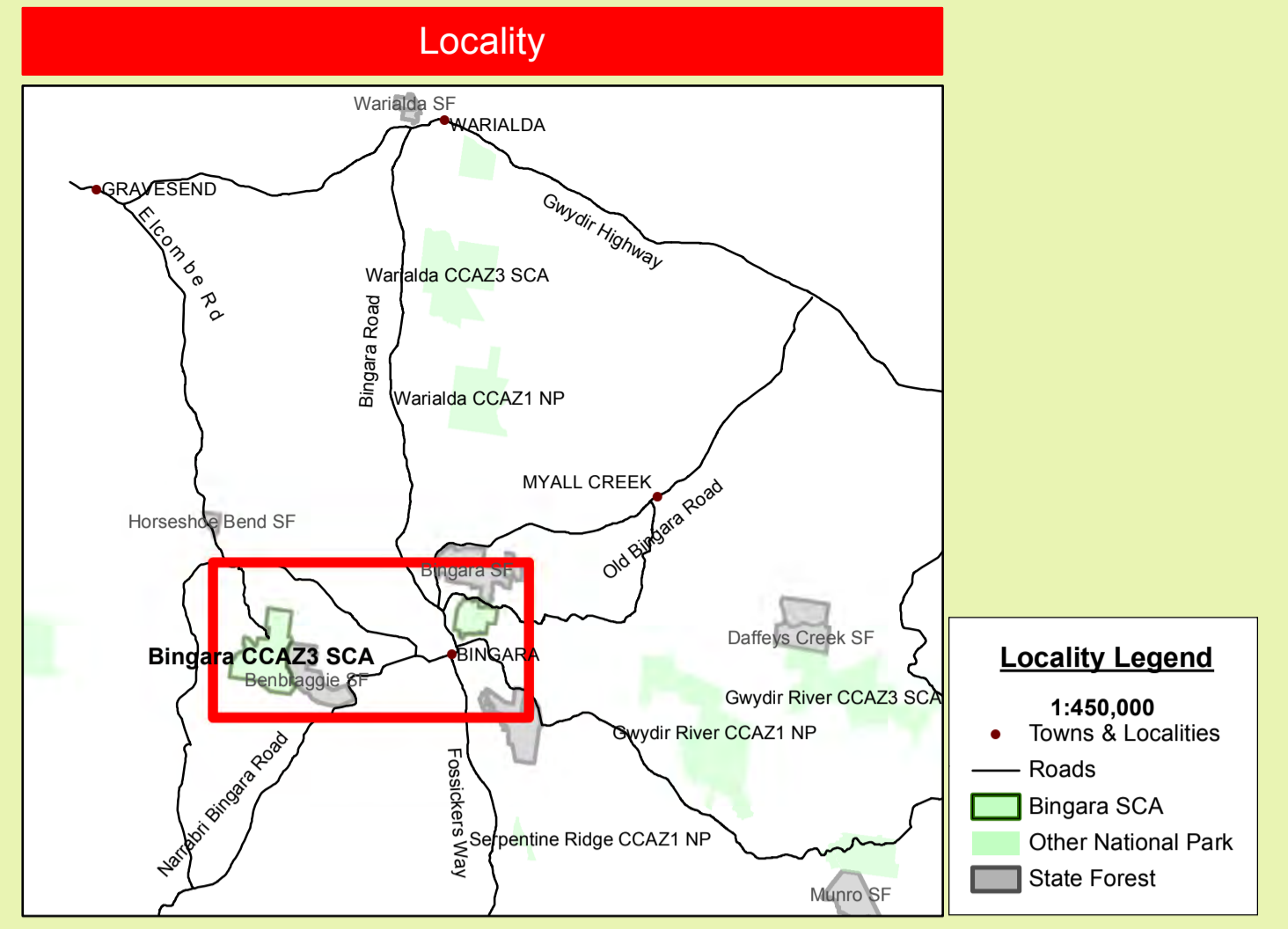
**Bingara SCA (CAZ3) Fire Management Strategy 2008** Mapsheet 1 of 2

This strategy should be used in conjunction with aerial photography and field reconnaissance during incidents and the development of incident action plans.

ISBN: 978 1 74122 701 7 DEC GW No. 2008/18  
Date Approved: 26-6-2008

Datum: GDA 94 Projection: UTM Grid: MGA Zone 56  
Noted scales are true when this map is reproduced on A0 size paper

Assume all gates locked Contour Interval 10 metres



**First Response Communications Plan – Bingara SCA**

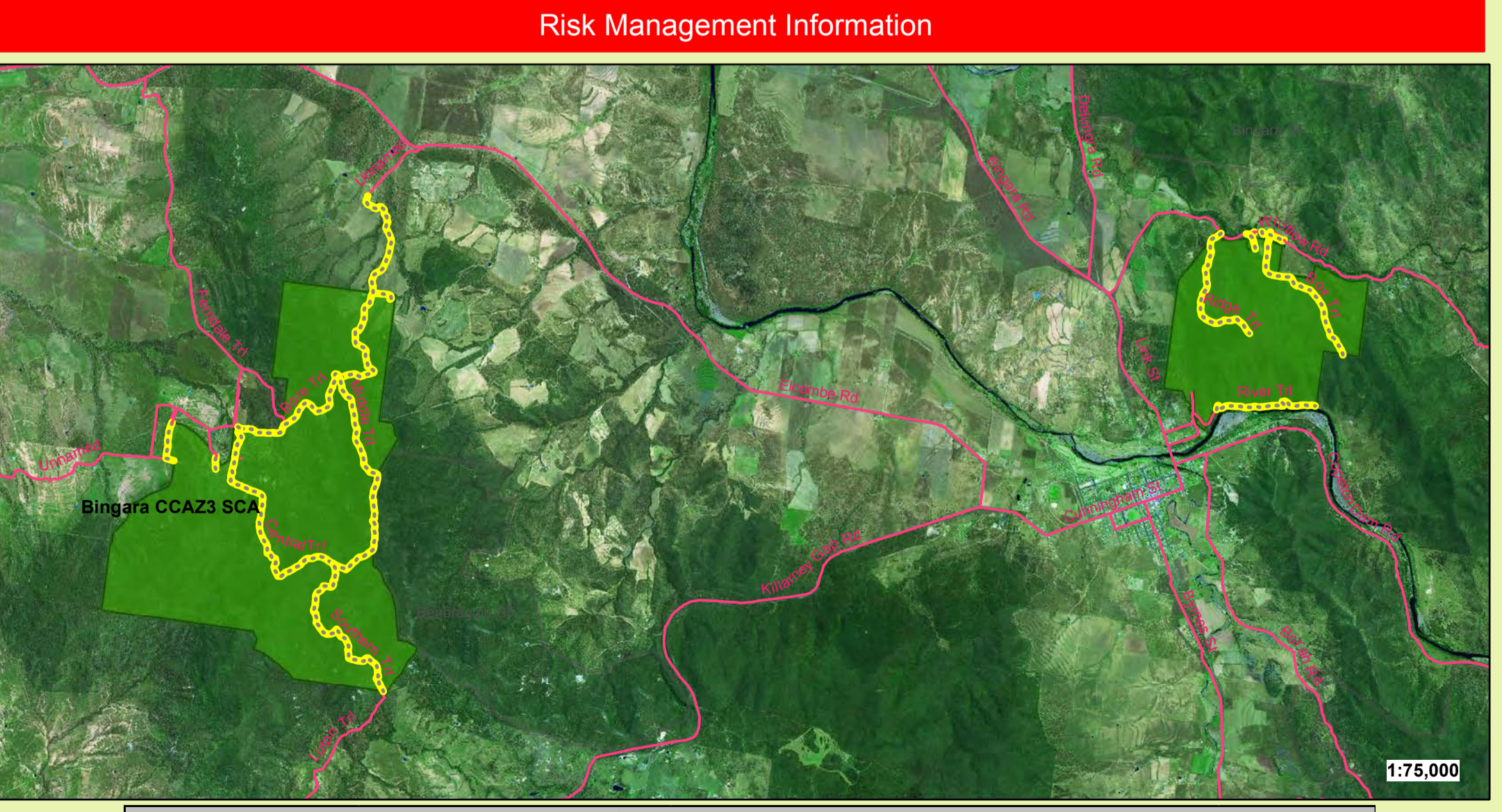
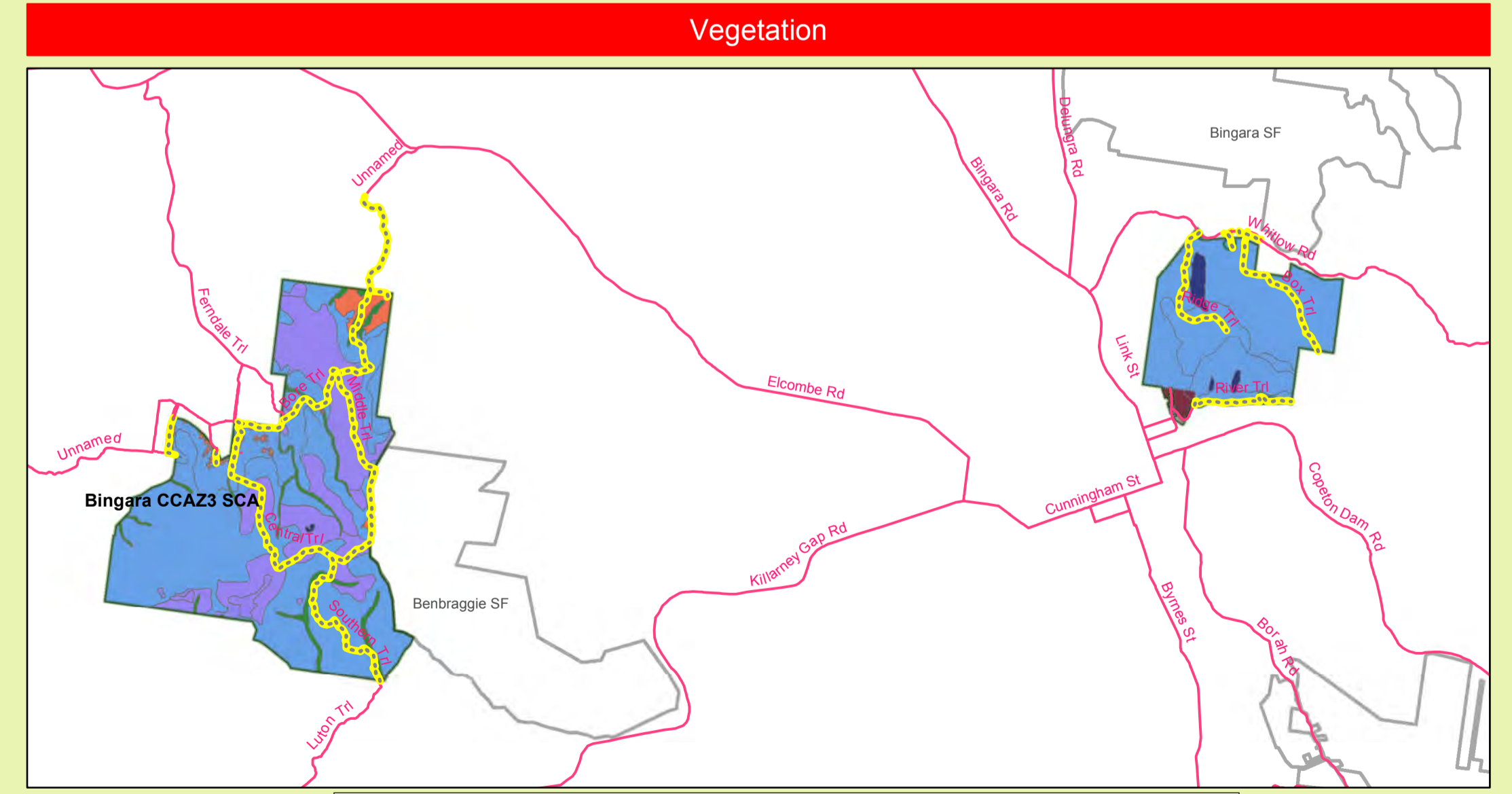
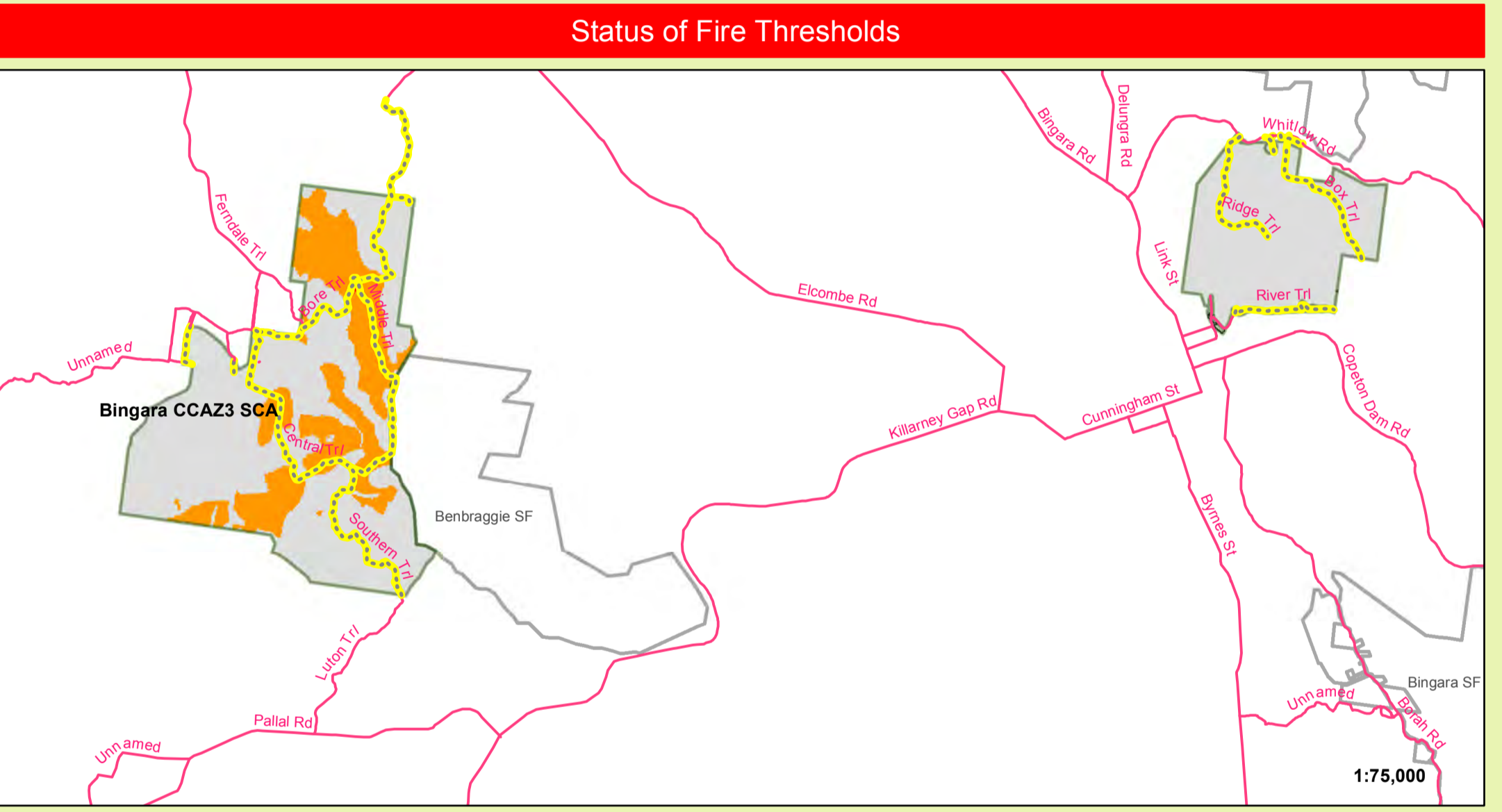
Service	Channel	Incident	Location and Comments
NPWS - VHF	336	IMT to Div Com	Bingara Bora
NPWS - VHF	636	Fireground	Car to Car channel (all classes)
NPWS - VHF (Portable Repeater)	24	Fireground	Stored at Glen Innes (Transportable). Source and deploy as required.
RFS - PMR - UHF		IMT to Div Com	
Forests NSW - VHF		Fireground	
CB - UHF	15	Fireground	Channel as appropriate. (Div Com, CL to Contractors)
Aircraft - VHF	119.10	IMT - Aircraft	
Mobile Phone – Next G	Yes	IMT – Div Com	On high ground
Satellite Phone	0147162100	IMT – Div Com	Stored at Glen Innes

**Contact Information**

Agency	Position / Location	Phone
DEC - NPWS	Regional Duty Officer	0428 345 789
	Area Manager	0428 613 073
	Fire Management Officer	02 6738 9117 02 6738 9140 (fax) 0429 220 613 02 6776 0014 02 6771 1894 (fax) 0427 977 519 02 6776 0007 02 6771 1894 (fax) 02 6738 9100 02 6738 9140 (fax) 02 6776 0000 02 6771 1894 (fax) 02 6776 0038
	Regional Operations Coordinator	
	Armidale Area Office	
	Regional Office	
Rural Fire Service	Emergency	000
	Bingara Fire Control Centre	02 6724 1911 02 6724 1743 (fax)
NSW Fire Brigade	Emergency	000
	Bingara Station	02 6724 1200
SES	Emergency	000
Police	Emergency	000
	Bingara Station	02 6724 1144
Ambulance	Emergency	000
	Bingara Station	131 233
Hospital	Bingara	02 6728 0100
DNR	Inverell	02 6721 9800
DPI – Forests NSW	Inverell	02 6722 4200 0429 915 442 (ah) 02 6722 5428 (fax)
Council	Gwydir	02 6724 2000 02 6724 1771 (fax)
	Local Aboriginal Land Council	Anaiwan/Tingha Northern Zone
Aboriginal Heritage Conservation Officer	Armidale	02 6776 0038

**Guidelines for interpreting fire regime threshold status**

Category Name	Guidelines
<b>Too Frequently Burnt</b> Consecutive fire intervals shorter than recommended minimum interval.	These areas have experienced sustained (two or more) consecutive intervals between fires shorter than the recommended minimum interval for this vegetation type. Any Rainforest / Mangrove / fire exclusion vegetation that has been burnt will be in this category.  <i>Areas of vegetation that are repeatedly burnt at intervals shorter than recommended for the vegetation type may experience a decline in the abundance of plant species sensitive to frequent fire. If inter-fire intervals shorter than the recommended minimum continue, these sensitive species are at risk of local extinction. Attempts should be made to minimise fire occurrence in these areas.</i>
<b>Vulnerable to Frequent Fire</b> Most recent fire interval shorter than recommended minimum interval.	These areas have already experienced one inter-fire interval less than the minimum interval recommended for this vegetation type and/or the current time-since-fire is less than the minimum recommended interval. All unburnt Rainforest / Mangrove / fire exclusion vegetation is in this category.
<b>Within Threshold</b>	The time-since-fire age of the vegetation is greater than the minimum recommended inter-fire interval and less than the maximum recommended inter-fire interval. If a fire occurs before the number of years specified as the minimum interval has been reached it will move into the 'Vulnerable to Frequent Fire' category. If three or more fires occur in close succession the area will move into the 'Too Frequently Burnt' category.
<b>Long Unburnt</b> One or more fire intervals longer than longest suggested interval.	The post-fire age of the vegetation is greater than the recommended maximum inter-fire interval for this vegetation type.  <i>If fire continues to be absent from the vegetation for a prolonged time, it is anticipated that plant species that require fire to stimulate flowering or seed production (and their seed banks) may begin to senesce. Long unburnt areas in some vegetation types are very rare and therefore significant. Long unburnt vegetation may also have other ecological values that make it important habitat for certain species in a given area. Careful consideration should be given before burning these areas, and wherever possible the decision should be based on a scientific assessment and/or recommendation prior to burning.</i>
<b>Unknown</b>	There has been no fire mapped for this area and the maximum recommended fire interval for the vegetation type is longer than the length of time for which fire records are available in the study area. It is not possible to determine if the vegetation is in the 'Within Threshold' or 'Long Unburnt' category.
<b>No Fire Regime</b>	Areas which do not have recommended fire intervals assigned to them, e.g. cleared land, rock etc.



**Fire Management Zones**

<b>Asset Protection Zones</b>	The objective of APZs 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.
<b>Strategic Fire Advantage Zones</b>	The objective of SFAZs 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.
<b>Land Management Zones</b>	The objective of LMZs is to conserve biodiversity and protect cultural heritage. Manage fire consistent with fire thresholds.

**Vegetation Legend**  
1:75,000

Roads	Grassy Woodlands
— Unclassified	Grassy woodlands
Fire Class	Heathlands
— Important - Cat 9	Other (exclude fire)
Vegetation	Other (no veg)
NSW Formation	Rainforests
— <Null>	Semi-arid woodlands (grassy subformation)
— Dry sclerophyll forests (shrub/grass subformation)	Semi-arid woodlands (shrubby subformation)
— Dry sclerophyll forests (shrubby subformation)	Unknown (no veg data)
— Forested wetlands	Water
— Freshwater wetlands	Wet sclerophyll forests (grassy subformation)
— Grasslands	Wet sclerophyll forests (shrubby subformation)

**Operational Guidelines**  
Refer to Strategy for Fire Management 2003 and Fire Management Manual 2007. Brief all personnel involved in suppression operations on the following issues:

Resource	Guidelines
<b>Aboriginal Cultural Heritage Site Management</b> (NPWS FMM 4.11)	<ul style="list-style-type: none"> <li>Brief all personnel involved in containment line construction &amp;/or vehicle based fire suppression operations, on site locations and the required management strategies appropriate to the site type.</li> <li>Ensure close liaison with the relevant Sites Officer in order to check for &amp;/or identify new sites.</li> </ul>
<b>Historic Heritage Management</b> (NPWS FMM 4.12)	No known sites in reserve. If new sites are located consult with a senior NPWS officer.
<b>Threatened Fauna Management</b> (NPWS FMM 4.12 & 5.2)	No known sites in reserve. If new sites are located consult with a senior NPWS officer.
<b>Threatened Flora Management</b> (NPWS FMM 4.12 & 5.1)	<ul style="list-style-type: none"> <li>Brief all personnel involved in fire suppression operations, on site location and the required management strategies appropriate to the site type.</li> <li>Where practicable protect populations or individuals from fire if the fire threshold has been exceeded, or if the species is an obligate seeder, or if the fire threshold and/or the fire response category is unknown.</li> </ul>
<b>Threatened Property</b>	<ul style="list-style-type: none"> <li>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 assessment of their current level of asset protection preparedness.</li> </ul>
<b>General</b>	<b>Guidelines</b>
<b>Aerial Water Bombing</b> (NPWS FMM 4.5 & 5.1 / NSW Fire Agencies Aviation SOPs O2-4 / NPWS Guidelines for Effective Aircraft Management)	<ul style="list-style-type: none"> <li>The use of bombing aircraft should support containment operations by aggressively attacking hotspots and spot-overs.</li> <li>The use of bombing aircraft without the support of ground based suppression crews should be limited to very specific circumstances.</li> <li>Where practicable foam should be used to increase the effectiveness of the water.</li> <li>Ground crews must be alerted to water bombing operations.</li> </ul>
<b>Aerial Ignition</b> (NPWS FMM 4.8 & 4.5 & 2.12 / NSW Fire Agencies Aviation SOPs O2-4 / NPWS Guidelines for Effective Aircraft Management)	<ul style="list-style-type: none"> <li>Aerial ignition may be used during back-burning or fuel reduction operations where practicable, but only with the prior consent of a senior NPWS officer.</li> <li>Utilise incendiaries to rapidly progress back-burns down slope where required.</li> </ul>
<b>Backburning</b> (NPWS FMM 4.8)	<ul style="list-style-type: none"> <li>Temperature and humidity trends must be monitored carefully to determine the</li> </ul>
<b>Containment Lines</b> (NPWS FMM 2.3 & 4.9)	<ul style="list-style-type: none"> <li>Construction of new containment lines should be avoided, where practicable, except where they can be constructed with minimal environmental impact. New containment lines require the prior consent of a senior NPWS officer.</li> <li>Where practicable, containment lines should be stabilised and rehabilitated as part of the wildfire suppression operation.</li> <li>All containment lines not required for other purposes should be closed at the cessation of the incident.</li> <li>All personnel involved in containment line construction should be briefed on both natural and cultural heritage sites in the location.</li> </ul>
<b>Earthmoving Equipment</b> (NPWS FMM 4.4 & 2.3)	<ul style="list-style-type: none"> <li>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.</li> <li>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.</li> <li>Containment lines constructed by earthmoving equipment should consider the protection of drainage features, observe the Threatened Species and Cultural Heritage Operational Guidelines, and be surveyed, where possible, to identify unknown cultural heritage sites.</li> <li>Earthmoving equipment should be washed down, where practicable, prior to it entering NPWS estate.</li> </ul>
<b>Fire Advantage Recording</b>	<ul style="list-style-type: none"> <li>All fire advantages used during wildfire suppression operations must be mapped and where relevant added to the database.</li> </ul>
<b>Fire Suppression Chemicals</b> (NPWS FMM 4.5 & 4.10)	<ul style="list-style-type: none"> <li>Wetting and foaming agents (surfactants) are permitted for use in wildfire suppression.</li> <li>The use of fire retardant is only permitted with the prior consent of the senior NPWS officer, and should be avoided where reasonable alternatives are available.</li> <li>Exclude the use of surfactants and retardants within 50m of rainforest, watercourses, dams and swamps.</li> <li>Areas where fire suppression chemicals are used must be mapped and the used product's name recorded.</li> <li>The Threatened Species Operational Guidelines are to be observed.</li> </ul>
<b>Rehabilitation</b> (NPWS FMM 5.1)	<ul style="list-style-type: none"> <li>Where practicable, containment lines should be stabilised and rehabilitated as part of the wildfire suppression operation.</li> </ul>
<b>Smoke Management</b> (NPWS FMM 2.10)	<ul style="list-style-type: none"> <li>The potential impacts of smoke and possible mitigation tactics must be considered when planning for wildfire suppression and prescribed burning operations.</li> <li>If smoke becomes a hazard on local roads or highways, the police and relevant media must be notified.</li> <li>Smoke management must be in accordance with relevant RTA traffic management guidelines.</li> </ul>
<b>Visitor Management</b> (NPWS FMM 2.13 & 3.4)	<ul style="list-style-type: none"> <li>The reserve may be closed to the public during periods of extreme fire danger or during wildfire suppression operations.</li> </ul>

**Strategy Information**  
**Fire Season Information**

<b>Wildfires</b>	<ul style="list-style-type: none"> <li>Have been known to start as early as late August, but usually the potential for a large fire event is greatest between October and December. This period may extend into January in more severe years.</li> </ul>
<b>Prescribed Burning</b> (NPWS Fire Management Manual 4.7)	<ul style="list-style-type: none"> <li>General season is Autumn to late Winter. Burning is possible in early Spring but not desirable on a regular basis from an ecological or tourism point of view.</li> </ul>
<b>Suppression Strategies</b>	
<b>Current FDR</b> Low - Mod	<b>Forecast FDR</b> Low - Mod
Low - Mod	=> High
High	All
All	All



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**Bingara SCA (CCA23)**  
Fire Management Strategy  
2008

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These data are not guaranteed to be free from error or omission. The NSW National Parks and Wildlife Service and its employees disclaim liability for any act done on the information in this document and any consequences of such acts or omissions.

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This strategy is a relevant Plan under Section 34 (4) and Section 44 (2) of Rural Fires Act 1997.

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Datum: GDA 94 Projection: UTM Grid: MGA Zone 56 Noted scales are true when this map is reproduced on A3 size paper

**Assume all gates locked** Contour Interval 10 metres

- Bushfire Suppression Legend**
- Threatened Flora
  - Threatened Fauna
  - Historic Sites
  - Gate non NPWS
  - Water Point Vehicle
  - Threatened Property
  - Walking Tracks
  - Powerlines
  - Roads
  - Unclassified
  - Fire Class
  - Important - Cat 9
  - Fire History
  - Fire Year
  - 200809
  - 200910
  - 201011
  - 201112
  - 201213
  - Bingara SCA
  - Other National Park
  - State Forest

