

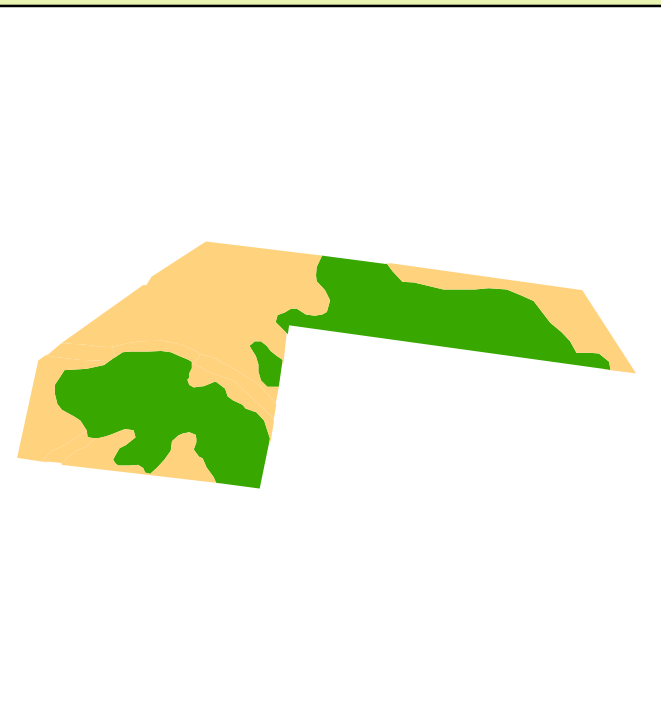


**This strategy should be used with aerial photography and field reconnaissance.**  
**This is a relevant Plan under Section 38 (4) and Section 44 (3) of Rural Fires Act 1997.**  
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- National Parks and Wildlife Service (2011) *Fire Management Manual*
- National Parks and Wildlife Service (2004) *Gamilaroi Nature Reserve Plan of Management*
- Hunter, JT (2006) *Vegetation and floristics of Gamilaroi Nature Reserve*. Report to NSW NPWS

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 Ooline Scrub  
 Box woodlands



Too frequently burnt	Consecutive fire intervals are shorter than the recommended minimum interval.
Vulnerable to frequent fire	The current fire interval is shorter than the recommended minimum interval.
Within threshold	The time-since-fire is greater than the recommended minimum, and less than the recommended maximum.
Long unburnt	The current fire interval is longer than the suggested interval.



The objective of this zone is to conserve biodiversity and protect cultural heritage by applying biodiversity thresholds



Available only ephemeral conditions	This area is generally has NIL or LOW OFH, except during seasons producing continuous ground cover
Unavailable for prescribed burning	This area is unavailable for prescribed burning, due to NIL or LOW OFH, or ecological requirements.
Availability for burning must be referenced with the <b>Status of Biodiversity Thresholds</b> .	



A map of the area around Terry Hie Hie. The map shows several roads: Gwydir Highway running north-south, Newell Highway running north-south, Gurley Creek Road running east-west, and Berrigal Creek Road running east-west. Locations marked include MOREE, GURLEY, and BELLATA. A red square highlights the site location near Terry Hie Hie. A scale bar indicates 1:800,000.

**Date:** GDA 1994      **Projection:** MGA 1994      **Map Zone:** 56  
**Map Base:** Spot 5 2008.  
**Topographic Map:** 1:50,000 Terry Hie Hie 8938-S  
**Noted scales:** True when printed on A1 size paper  
**Local Government Area:** Moree Plains

Wildfires	<p>The critical wildfire season in the broad locality of the reserves is likely to occur:</p> <ul style="list-style-type: none"> <li>• after a prolonged period of above average rainfall, leading to prolific grass growth; and</li> <li>• during the period November to December when there is a higher incidence of lightning.</li> </ul> <p>The reserve is considered to pose a low risk of bushfire hazard.</p>
Prescribed Burning	<p>Prescribed burning is not proposed for Gamilaroi Nature Reserve because of its <b>LOW - MODERATE Overall Fuel Hazard</b>, and the likely sensitivity of Ooline Scrub to burning.</p>

Operational Guidelines	
General	Guidelines
Aerial operations	<ul style="list-style-type: none"> <li>Aerial operations will be managed by trained and competent personnel.</li> <li>The use of bombing aircraft should be with ground based suppression crews, in most situations.</li> <li>All aerial ignition operations require the consent of a NPWS Senior Officer or the Section 44 Appointee.</li> </ul>
Backburning	<ul style="list-style-type: none"> <li>All personnel must be fully briefed before back burning operations begin.</li> </ul>
Command & Control	<ul style="list-style-type: none"> <li>The first combatant agency on site may assume control of the fire, but then must ensure the relevant land management agency is notified promptly.</li> <li>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.</li> </ul>
Containment Lines	<ul style="list-style-type: none"> <li>New containment lines require the prior consent of a senior NPWS Officer.</li> <li>Construction of new containment lines should be avoided, except with the use of handtools or light machinery.</li> <li>All personnel involved in containment line construction should be briefed on, and must consider both natural and cultural heritage sites in the location.</li> <li>All containment lines not required for other purposes should be closed immediately at the cessation of the incident.</li> </ul>
Earthmoving Equipment	<ul style="list-style-type: none"> <li>Plant may only be used with the prior consent of a senior NPWS Officer.</li> <li>Graders may be used to "sweep" existing fire trails.</li> <li>Heavy machinery is excluded from all areas, other the existing fire trails.</li> <li>Light plant, such as Bobcats and Positraks may be used to construct low impact control lines</li> <li>Plant must be washed down, where practicable, prior to entering NPWS estate and again on exiting NPWS estate.</li> </ul>
Fire Suppression Chemicals	<ul style="list-style-type: none"> <li>The use of foam, gels and retardants will NOT be permitted within 50 metres of dams holding water.</li> <li>The aerial application use foam, gels and retardants requires the approval of a NPWS Senior Officer</li> <li>Where practicable, containment lines should be stabilised and rehabilitated as part of the wildfire suppression operation.</li> </ul>
Rehabilitation	
Watering points	<ul style="list-style-type: none"> <li>Consider deployment of a bulk water carrier to support fire operations.</li> </ul>
Smoke Management	<ul style="list-style-type: none"> <li>Potential smoke impacts and mitigation tactics will be assessed during the planning of fire operations.</li> </ul>
Visitor Management	<ul style="list-style-type: none"> <li>This reserve is closed to visitors.</li> </ul>

Operational Guidelines – Heritage	
Resource	Guidelines
Aboriginal Cultural Heritage Site Management	<p><i>Modified trees (AS1), including scarred trees</i></p> <ul style="list-style-type: none"> <li>• Protect the site from fire, clear base of litter and shrubs, exclude site tree from fire where possible</li> <li>• Foam may be used to protect the tree, or to extinguish fire</li> <li>• Do not cut trees</li> </ul> <p><i>Ground based sites (AS2), including: artefacts</i></p> <ul style="list-style-type: none"> <li>• Protect site from any ground disturbance, including the use of earth-moving equipment and vehicles</li> </ul>
Threatened Flora and Fauna Management	<p><i>Endangered ecological communities – OnlineScrub</i></p> <ul style="list-style-type: none"> <li>• Construction of control lines with heavy plant <u>not</u> permitted</li> </ul>

Community	Vegetation management guidelines	Fire Behaviour
Online Scrub	<ul style="list-style-type: none"> <li>No prescribed burning to be applied.</li> <li>No maximum interval between fire events should be applied.</li> </ul>	<ul style="list-style-type: none"> <li>Potential rates of spread would be low due to <b>Low OFH</b></li> </ul>
Box Woodlands	<ul style="list-style-type: none"> <li>Minimum interval between fire events should be greater than 15 years</li> <li>No maximum interval between fire events should be applied.</li> </ul>	<ul style="list-style-type: none"> <li>Potential rates of spread in most seasons is low due to <b>Low - Moderate OFH</b></li> </ul>
Pilliga Box, White Cypress Pine, Betah	<ul style="list-style-type: none"> <li>No prescribed burning to be applied due to the presence of <b>Online</b>.</li> </ul>	<ul style="list-style-type: none"> <li>A higher rate of spread is likely after successive wet seasons providing continuous ground cover</li> </ul>

**OFH** – Overall fire hazard – A rating system that measures leaf litter, grasses, shrubs, bark type and bark condition. Consists of ratings for surface **OFH**, near surface **fuel** and **fuel**.

Conditions & forecast	Guidelines
LOW – SEVERE FDI	<ul style="list-style-type: none"> <li>• Direct or parallel attack by ground crews supported by light machinery</li> </ul>
EXTREME – CATASTOPHIC FDI	<ul style="list-style-type: none"> <li>• A broad containment strategy using existing tracks, low fuel areas and open areas.</li> </ul>

This topographic map displays the Gamilaroi Nature Reserve and the NPWS Estate, which is highlighted in green. The map includes the Terry Hie Hie (Mission) Aboriginal Area and the TSR (Terry Hie Hie - Rocky Creek Road). Key features include:

- Watercourses:** Berigill Creek, Tycamnah Creek, and the Murrumbidgee River.
- Roads:** Melbourn Road, Terry Hie Hie - Rocky Creek Road, and the Murrumbidgee Highway.
- Contours:** 10-metre contour lines are shown in brown.
- Powerlines:** Indicated by dashed lines with cross-ticks.
- Cadastral boundaries:** Shown as thin black lines.
- Structures:** Marked with black squares.
- Aboriginal sites:** Marked with blue diamonds.
- Dams:** Marked with blue squares.
- NPWS Estate:** Outlined in green.
- Roads:** Outlined in red.
- Tracks:** Outlined in pink.

The map includes a scale bar (0 to 0.5 Kilometers) and a north arrow. The coordinate grid shows Easting (24, 25, 26, 27, 28, 29) and Northing (92, 93, 94, 95, 96, 97) values.