

# Help save the Lower Hunter Spotted Gum-Ironbark Forest in the Sydney Basin Bioregion

**Conservation status in NSW:** Endangered Ecological Community

**Commonwealth status:** N/A

**Saving our Species management stream:** Ecological community (range-restricted)

## Community profile:

<http://www.environment.nsw.gov.au/threatenedspeciesapp/profile.aspx?id=10942>

The Saving our Species program aims to conserve threatened species and ecological communities in the wild in NSW in the long term. The project was developed by experts who have identified a minimal set of priority management sites for this community across its distribution, soils and altitudinal range, to be representative of its structure and composition. Experts have identified on-ground critical management actions to address threats at each site.

Three priority management sites have been identified in NSW (ordered north to south). They are:



- Werakata North in Cessnock LGA
- Tomalpin in Cessnock LGA
- Pelton in Cessnock LGA

More information about each site is provided on the following pages.

All conservation work being undertaken to conserve the Lower Hunter Spotted Gum-Ironbark Forest in the Sydney Basin Bioregion around the state is vital to its recovery. If you are carrying out critical management actions within the ecological community, please let us know at [www.environment.nsw.gov.au/savingourspecies/contactus.htm](http://www.environment.nsw.gov.au/savingourspecies/contactus.htm).

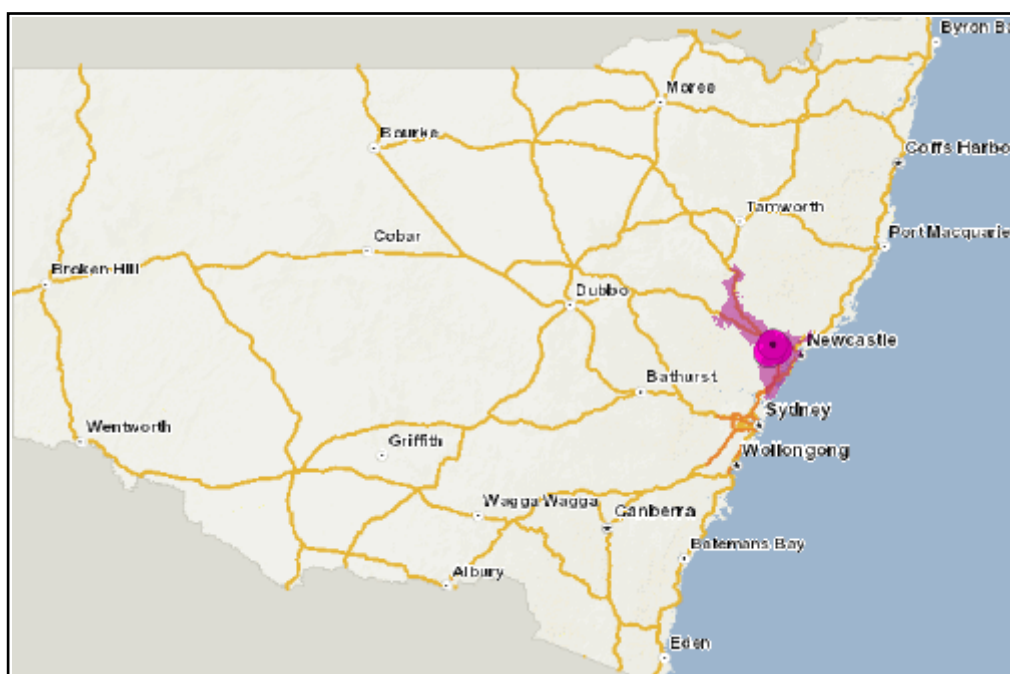
## Map of Lower Hunter Spotted Gum-Ironbark Forest in the Sydney Basin Bioregion distribution and priority management sites

### Legend

-  Community distribution
-  Priority management site

*Indicative community distribution is mapped as sub-regions where the ecological community is known to occur.*

*Priority management sites are required for meeting the security objective for SoS-managed ecological communities.*



# Site 1: Werakata North

Site is all within the Werakata National Park / State Conservation Area.

Total site area (ha): 1,651

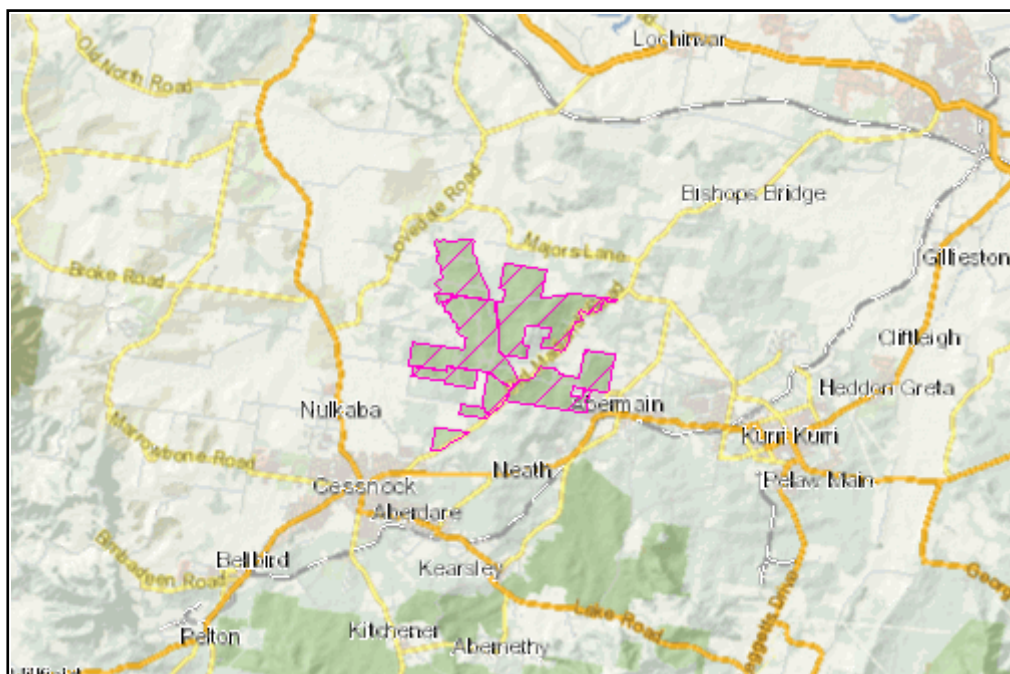
LGA: Cessnock

NPWS reserve: Werakata National Park; Werakata State Conservation Area

## Management site map

### Legend

 Priority management site



## Management activities to protect the Lower Hunter Spotted Gum-Ironbark Forest in the Sydney Basin

### Bioregion at the site

Threat name	Objective	Action
Inappropriate fire regime	Exclude fire from part/all of the site	Access barrier(s)
Illegal dumping	Reduce incidence of illegal dumping	Install informative signs
Mixed weeds	Reduce and maintain weed densities at low levels	Site-based weed control
Disturbance from recreational users	Minimise impacts of recreational activities	Community education
Disturbance from recreational users	Minimise impacts of recreational activities	Restore/rehabilitate native vegetation
Habitat fragmentation	Improve and maintain connectivity and extent of available habitat	Restore/rehabilitate native vegetation
Habitat fragmentation	Restore or supplement habitat or habitat features	Manage native vegetation
Alteration of habitat structure, composition, resource availability	Assess impacts of change in habitat/resource availability	Manage native vegetation

### Monitoring actions

Regular monitoring of the threatened ecological community's extent and condition on the site will be conducted to determine trends through time. The extent and severity of threats will also be monitored to assess the effectiveness of management actions. Management actions will be adapted, added or removed over time in response to monitoring results, based on maximising the project's effectiveness.

## Site 2: Tomalpin

Site includes Werakata National Park and surrounding Crown and freehold lands.

Total site area (ha): 1,835

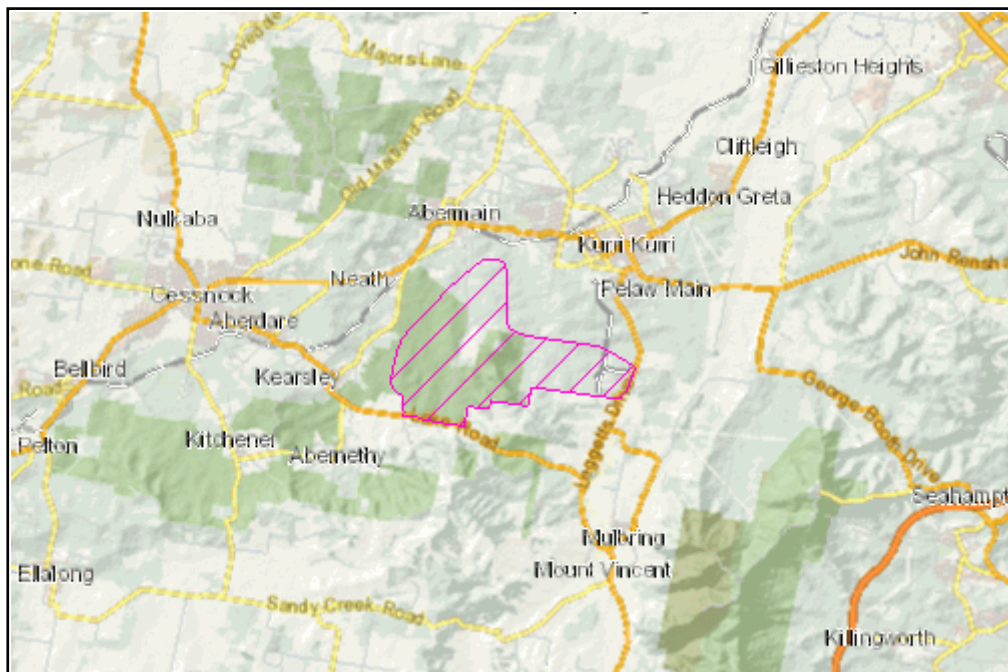
LGA: Cessnock

NPWS reserve: Werakata National Park

### Management site map

#### Legend

 Priority management site



## Management activities to protect the Lower Hunter Spotted Gum-Ironbark Forest in the Sydney Basin

### Bioregion at the site

Threat name	Objective	Action
Inappropriate fire regime	Exclude fire from part/all of the site	Access barrier(s)
Illegal dumping	Reduce incidence of illegal dumping	Install informative signs
Illegal dumping	Reduce incidence of illegal dumping	Manage human disturbance
Mixed weeds	Reduce and maintain weed densities at low levels	Site-based weed control
Disturbance from recreational users	Minimise impacts of recreational activities	Community education
Disturbance from recreational users	Minimise impacts of recreational activities	Restore/rehabilitate native vegetation
Habitat fragmentation	Improve and maintain connectivity and extent of available habitat	Restore/rehabilitate native vegetation
Habitat fragmentation	Restore or supplement habitat or habitat features	Manage native vegetation
Uncertainty of future land management practices	Ensure land management is sympathetic to the long term requirements of the species	Negotiate land management agreement/s
Alteration of habitat structure, composition, resource availability	Assess impacts of change in habitat/resource availability	Manage native vegetation

**Monitoring actions**

Regular monitoring of the threatened ecological community's extent and condition on the site will be conducted to determine trends through time. The extent and severity of threats will also be monitored to assess the effectiveness of management actions. Management actions will be adapted, added or removed over time in response to monitoring results, based on maximising the project's effectiveness.

# Site 3: Pelton

Site is bounded by Werakata State Conservation Area and adjacent crown and freehold lands.

Total site area (ha): 1,881

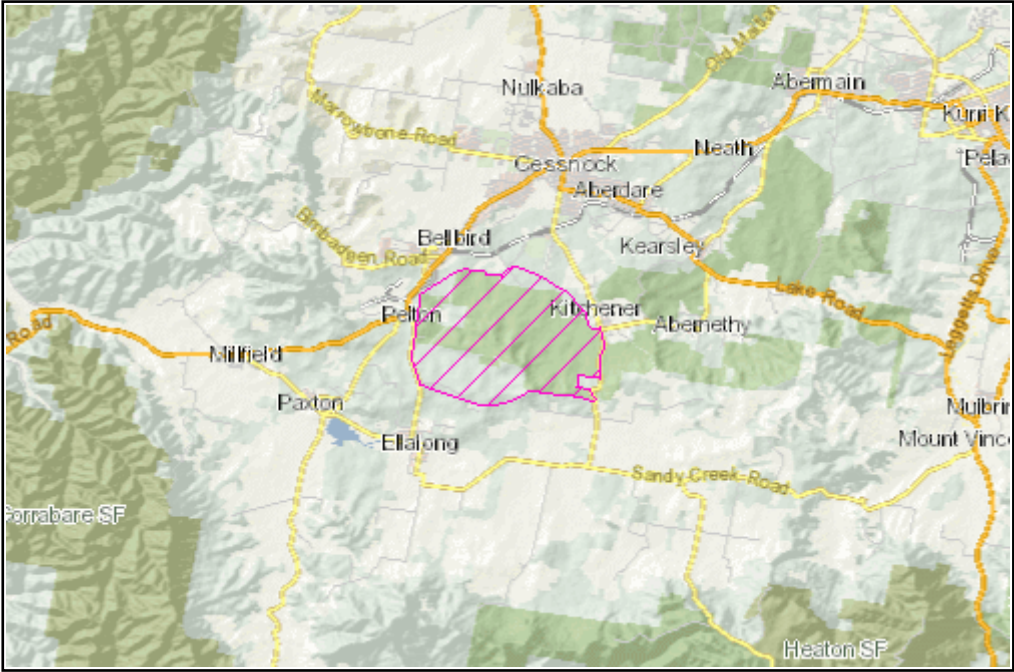
LGA: Cessnock

NPWS reserve: Werakata State Conservation Area

## Management site map

Legend

Priority management site



## Management activities to protect the Lower Hunter Spotted Gum-Ironbark Forest in the Sydney Basin Bioregion at the site

Threat name	Objective	Action
Inappropriate fire regime	Exclude fire from part/all of the site	Barrier/fence installation
Illegal dumping	Reduce incidence of illegal dumping	Manage human disturbance
Mixed weeds	Reduce and maintain weed densities at low levels	Site-based weed control
Disturbance from recreational users	Minimise impacts of recreational activities	Community education
Habitat fragmentation	Improve and maintain connectivity and extent of available habitat	Restore/rehabilitate native vegetation
Habitat fragmentation	Restore or supplement habitat or habitat features	Manage native vegetation
Uncertainty of future land management practices	Ensure land management is sympathetic to the long term requirements of the species	Negotiate land management agreement/s
Alteration of habitat structure, composition, resource availability	Assess impacts of change in habitat/resource availability	Manage native vegetation

## Monitoring actions

Regular monitoring of the threatened ecological community's extent and condition on the site will be conducted to determine trends through time. The extent and severity of threats will also be monitored to assess the effectiveness of management actions. Management actions will be adapted, added or removed over time in response to monitoring results, based on maximising the project's effectiveness.

## **Are you helping to save threatened ecological communities?**

Find out more about our program - visit <http://www.environment.nsw.gov.au/savingourspecies>

Tell us about the work you're doing - visit <http://www.environment.nsw.gov.au/savingourspecies/tellusaboutyourwork.htm>

Published on 18-May-2017