

Help save the *Allocasuarina luehmannii* Woodland in the Riverina and Murray-Darling Depression Bioregions

Conservation status in NSW: Endangered Ecological Community

Commonwealth status: Endangered

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

Community profile:

<http://www.environment.nsw.gov.au/threatenedspeciesapp/profile.aspx?id=20082>

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.

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



- Urana Buloke in Berrigan; Corowa; Jerilderie; Urana LGAs
- Southern Cadell Woodlands in Balranald; Murray; Wakool LGAs

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

All conservation work being undertaken to conserve the *Allocasuarina luehmannii* Woodland in the Riverina and Murray-Darling Depression Bioregions 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.

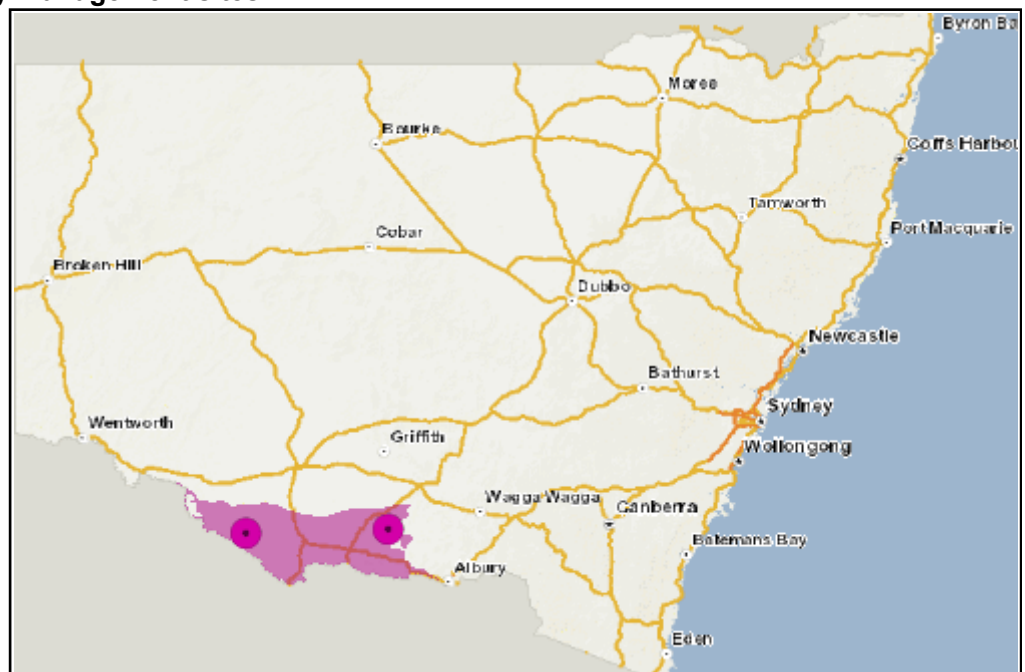
Map of *Allocasuarina luehmannii* Woodland in the Riverina and Murray-Darling Depression Bioregions distribution and priority management sites

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: Urana Buloke

Site is located east of the Newell Highway, from Morundah in the north, south to Jerilderie and across to Daysdale in the east and north through Urana to Morundah. Site encompasses parts of Urana Nature Reserve, Crown land, Travelling Stock Routes, council roads and private land.

Total site area (ha): 251,128

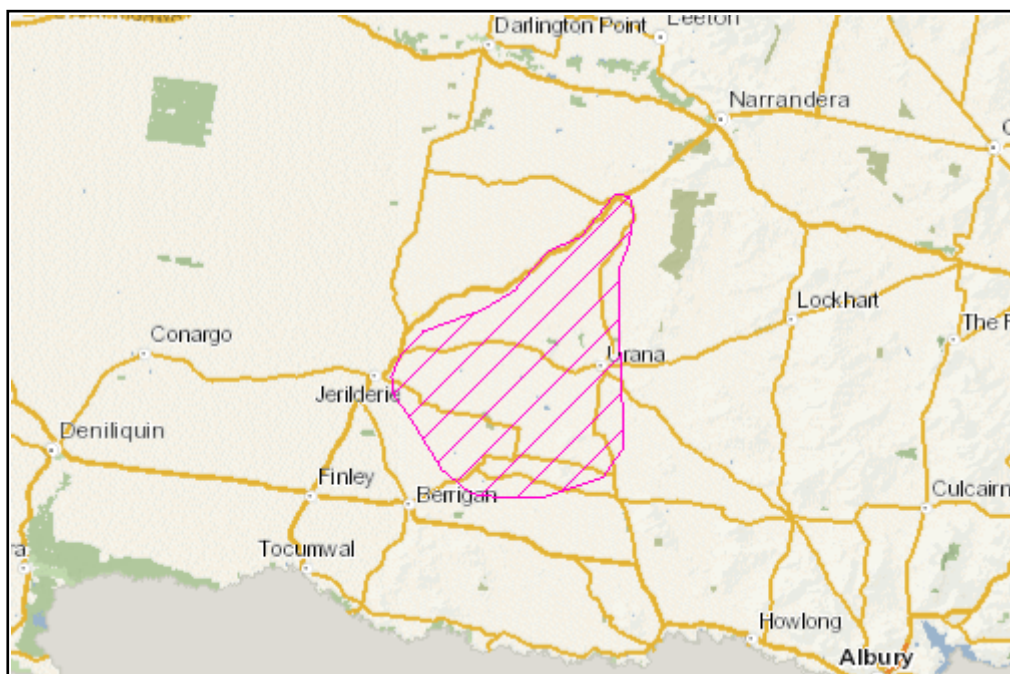
LGA: Berrigan; Corowa; Jerilderie; Urana

NPWS reserve: Lake Urana Nature Reserve; South West Woodland Nature Reserve

Management site map

Legend

 Priority management site



Management activities to protect the *Allocasuarina luehmannii* Woodland in the Riverina and Murray-Darling Depression Bioregions at the site

Threat name	Objective	Action
Poor recruitment	Augment extant wild population(s)	Restore/rehabilitate native vegetation
Poor recruitment	Promote regeneration of the species from the soil seedbank	Restore/rehabilitate native vegetation
Low genetic diversity / inbreeding	Maintain genetic integrity/diversity	Investigation of species ecology
Feral herbivores	Reduce the impacts of grazing	Rabbit control
Domestic stock	Ensure grazing regime is appropriate for the species/community	Strategic grazing
Domestic stock	Exclude grazing from the site	Barrier/fence installation
Domestic stock	Reduce the impacts of grazing	Install informative signs
Domestic stock	Reduce the impacts of grazing	Liaise with government agency
Lack of ecological information	Increase understanding of the species ecological requirements	Community education
Uncertainty of future land management practices	Ensure land management is sympathetic to the long term requirements of the species	Negotiate land management agreement/s
Mixed weeds	Reduce and maintain weed densities at low levels	Site-based weed control

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: Southern Cadell Woodlands

Site extends from the Edward River in the north, south to the Murray River, and from the Cobb Highway in the east, west to the Swan Hill-Balranald Road. Site encompasses parts of Crown land, Travelling Stock Routes, council roads and private land.

Total site area (ha): 622,456

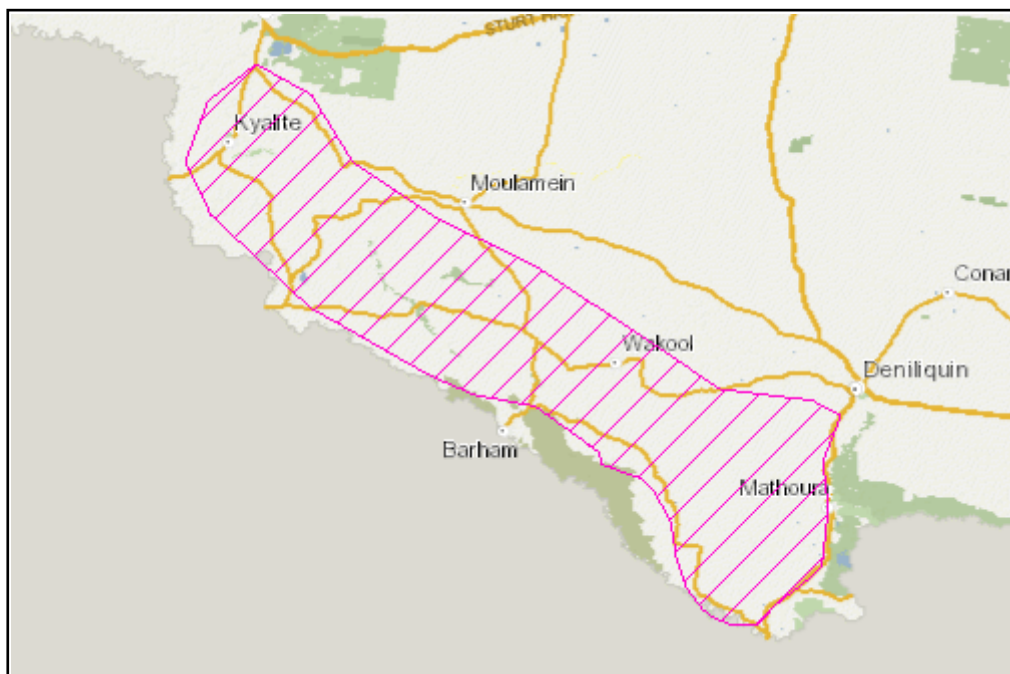
LGA: Balranald; Murray; Wakool

NPWS reserve: Murray Valley National Park; Murray Valley Regional Park

Management site map

Legend

 Priority management site



Management activities to protect the *Allocasuarina luehmannii* Woodland in the Riverina and Murray-Darling Depression Bioregions at the site

Threat name	Objective	Action
Poor recruitment	Promote regeneration of the species from the soil seedbank	Barrier/fence installation
Low genetic diversity / inbreeding	Maintain genetic integrity/diversity	Investigation of species ecology
Feral herbivores	Reduce the impacts of grazing	Rabbit control
Domestic stock	Ensure grazing regime is appropriate for the species/community	Strategic grazing
Domestic stock	Reduce the impacts of grazing	Install informative signs
Domestic stock	Reduce the impacts of grazing	Liaise with government agency
Vegetation clearing for agricultural purposes	Restore or supplement habitat or habitat features	Community education
Habitat fragmentation	Restore or supplement habitat or habitat features	Restore/rehabilitate native vegetation
Habitat fragmentation	Restore or supplement habitat or habitat features	Test germination / pollination
Uncertainty of future land management practices	Ensure land management is sympathetic to the long term requirements of the species	Negotiate land management agreement/s
Mixed weeds	Reduce and maintain weed densities at low levels	Site-based weed control

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>

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