



SAVING OUR SPECIES

Blackbutt Candlebark

2020-2021 annual report card

Overall status*



Populations at all sites are known to be on track.



Threat management is known to be on track at all sites, and population status is unknown at one or more sites.



Threat management is known to be off track at one or more sites, and population status is unknown at one or more sites.



Populations at one or more sites are known to be off track.

* For SoS priority management sites (may not include all locations where the species occurs in NSW)

Summary

Management sites	Demon Nature Reserve; Glen Innes to Deepwater Travelling Stock Reserve (TSR); Reddestone Lagoon TSR; Wandsworth to Tingha
Action implementation	6 (of 6) management actions were fully or partially implemented as planned for the financial year.
Total expenditure	\$10,300 (\$6,600 cash; \$3,700 in-kind)
Partners	Environment, Energy and Science



Scientific name:

Eucalyptus rubida subsp. *barbigerorum*

NSW status:

Vulnerable

Commonwealth status:

Vulnerable

Management stream:

Site-managed species





Photo: Gavin Phillips

Priority management site: Demon Nature Reserve

Local government area:
Tenterfield

Partners:
Environment, Energy and
Science

Population outcome

-  On track
-  **On track (inferred)**
-  Not on track (inferred)
-  Not on track

The species population is inferred to be on track based on threat management being on track. The population trend is unknown at this time.

Monitoring

Species population monitoring by one or more methods indicates response to management over time and provides an outcome measure.

Species population monitoring was not conducted at this site this financial year - Full species monitoring is only undertaken tri-annually.

Investment

Participant	Cash	In-kind
Environment, Energy and Science	\$4,000	\$1,600

Management actions

No management actions were planned at this site for the financial year.

Threat outcome

Assessment on the status of critical threats at this site.

Threat	Annual target	Threat status
Frequent, high intensity fires resulting from private land management practices.	Fire Response. Undertake post-fire monitoring in conjunction with 3-yearly monitoring of population to assess recruitment and recovery post fire.	On track

Site summary

Post-fire monitoring surveys were conducted across the site. A total of 28 plants were identified, which is an increase in previous population reporting. Monitoring with standard monitoring plots actually shows a decrease but, given the size of the population, a total count is possible and considered to provide a better long-term estimate of change for the species at this site. No recruitment was noted within the population, and follow-up surveys are needed to assess population recovery.

Priority management site: Glen Innes to Deepwater Travelling Stock Reserve (TSR)

<p>Local government area: Glen Innes Severn</p> <p>Partners: Environment, Energy and Science</p>	<p>Population outcome</p> <ul style="list-style-type: none"> ● On track ● On track (inferred) ● Not on track (inferred) ● Not on track
--	---

Monitoring

Species population monitoring by one or more methods indicates response to management over time and provides an outcome measure.

Species population monitoring was not conducted at this site this financial year - Full species monitoring is only undertaken tri-annually.

Investment

Participant	Cash	In-kind
Environment, Energy and Science	\$0	\$700

Management actions

The following actions are those identified as being required in financial year 2020-2021 to secure the species in the wild.

Threat	Management action	Implemented as planned?
Clearing and fragmentation of woodland habitat for agriculture, development and powerline easements.	Liaise with land managers to reduce or eliminate clearing within species habitat.	Yes
Grazing and disturbance from domestic stock.	Liaise with land managers to implement grazing regimes that maintain species habitat.	Yes

Threat outcome

Assessment on the status of critical threats at this site.

Threat	Annual target	Threat status
Frequent, high intensity fires resulting from private land management practices.	No unplanned fire impacts on the population.	On track

Site summary





Minimal actions were implemented at this site in the 2020–21 financial year. Relationships are being maintained with the land manager, and investigations are underway regarding the installation of significant road signage to educate the community and reduce threats.

Priority management site: Reddestone Lagoon TSR

Local government area:
Glen Innes Severn

Partners:
Environment, Energy and
Science

Population outcome

-  **On track**
-  On track (inferred)
-  Not on track (inferred)
-  Not on track

Monitoring

Species population monitoring by one or more methods indicates response to management over time and provides an outcome measure.

Species population monitoring was not conducted at this site this financial year - Full species monitoring is only undertaken tri-annually.

Investment

Participant	Cash	In-kind
Environment, Energy and Science	\$0	\$350

Management actions

The following actions are those identified as being required in financial year 2020-2021 to secure the species in the wild.

Threat	Management action	Implemented as planned?
Current or potential future land management practices do not support conservation	Liaise with land managers to discuss the potential for management actions to enhance habitat over the long term.	Yes

Threat outcome

Assessment on the status of critical threats at this site.

Threat	Annual target	Threat status
Frequent, high intensity fires resulting from private land management practices.	No unplanned fires to impact species habitat.	On track
Current or potential future land management practices do not support conservation	No evidence of degrading land use practices.	On track

Site summary




Minimal activities were implemented at this site in the 2020–21 financial year. A positive relationship with the land manager has been maintained. Discussions are underway for the installation of threatened species management signs and or species-specific signs within travelling stock reserves (TSR) targeted at TSR users. The land manager is working with other stakeholders towards the greater protection of this site.

Priority management site: Wandsworth to Tingha

Local government area:
Armidale Regional; Inverell

Partners:
Environment, Energy and
Science

Population outcome

-  **On track**
-  **On track (inferred)**
-  **Not on track (inferred)**
-  **Not on track**

Monitoring

Species population monitoring by one or more methods indicates response to management over time and provides an outcome measure.

Species population monitoring was not conducted at this site this financial year - Full species monitoring to be replaced by post-fire monitoring for this year.

Investment

Participant	Cash	In-kind
Environment, Energy and Science	\$2,600	\$1,050

Management actions

The following actions are those identified as being required in financial year 2020-2021 to secure the species in the wild.

Threat	Management action	Implemented as planned?
Current or potential future land management practices do not support conservation	Maintain relationship with the land manager and discuss opportunities for maintaining or enhancing species within TSR.	Yes
Destruction and disturbance of habitat due to road-works.	Investigate council awareness of species and discuss the installation of significant roadside vegetation markers.	Conducted, but not as planned - Discussions are underway with the land manager, Northern Tablelands Local Land Services, regarding installation of signage within the Travelling Stock Reserve.
Grazing and disturbance from domestic stock.	Liaise with Local Land Services to establish appropriate post-fire management of grazing.	Yes

Threat outcome

Assessment on the status of critical threats at this site.

Threat	Annual target	Threat status
Frequent, high intensity fires resulting from private land management practices.	Fire Response. Undertake post-fire monitoring after 2019–20 fires	On track
Current or potential future land management practices do not support conservation	Liaise with Local Land Services to establish appropriate post-fire management of grazing.	On track
Grazing and disturbance from domestic stock.	Maintain or reduce level of threat.	On track
Destruction and disturbance of habitat due to road-works.	Maintain or reduce level of threat.	On track

Site summary

Post-fire monitoring was undertaken following the site being impacted by the 2019–20 bushfires. During this current year, we saw a minor drop (12.5%;) in putative juvenile numbers and a similar drop in adults (12%). This may be an indication that some of the early seedling recruits post-drought and fire did not survive over the intervening year, in addition to some resprouting adults. During this current year, after significant rainfall events, weeds are far more prevalent across the site than previously seen, which will continue to be monitored over time.

Firewood collection is still apparent within many of the plots. Relationships are being maintained with the land manager, Northern Tablelands Local Land Services, and considerations are being made for installing signs to educate the public on the area occurring within significant habitats for threatened species.

Saving our Species 2020-2021 annual report card for Blackbutt Candlebark (*Eucalyptus rubida subsp. barbigerorum*). For more information refer to the specific strategy in the Saving our Species program.