



SAVING OUR SPECIES

Small-leaved Hazelwood

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	Mt Jerusalem National Park; Nightcap National Park
Action implementation	3 (of 3) management actions were fully or partially implemented as planned for the financial year.
Total expenditure	\$7,355 (\$2,000 cash; \$5,355 in-kind)
Partners	Environment, Energy and Science



Scientific name:

Symplocos baeuerlenii

NSW status:

Vulnerable

Commonwealth status:

Vulnerable

Management stream:

Site-managed species





Photo: Justin Mallee

Priority management site: Mt Jerusalem National Park

Local government area:
Byron; Tweed

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 - funding issues.

Investment

Participant	Cash	In-kind
Environment, Energy and Science	\$1,000	\$630

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?
Fire destroying individuals and their habitat.	Ensure that contractors annually upload species records associated with flora monitoring into Bionet for use in fire planning.	Yes

Threat outcome

Assessment on the status of critical threats at this site.

Threat	Annual target	Threat status
Fire destroying individuals and their habitat.	Fire response. Survey 20 x 30 m plots in burnt habitat to assess the species ecological response to fire, mortality, re-shooting, recruitment and changes in habitat condition.	On track
Disturbance from road maintenance and construction.	Detection and qualitative assessment of disturbance to plants	Not assessed

Site summary

Eight 20 x 30 m plots containing *Symplocos baeuerlenii* were established in fire effected areas in 2019. All individuals within the plots were assessed as mortalities directly post fire. In 2020—21 all plots were reassessed with no post fire response recorded. This species is highly susceptible to fire and does not reshoot. No post fire seedling recruitment has been recorded. There has been not change to the species abundance in non burnt areas.





Symplocos baeuerlenii habitats that include wet sclerophyll mixed forest were significantly impacted by the 2019—20 bushfires. Core rainforest refugia was largely unburnt and remains important to the species survival. Recommendations include protecting unburned areas of the species habitat, excluding fire from all of the species wet sclerophyll and rainforest habitats and protecting reproductively mature individuals of the species.

Priority management site: Nightcap National Park

Local government area:
Byron; Lismore; Tweed

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 - funding issues.

Investment

Participant	Cash	In-kind
Environment, Energy and Science	\$1,000	\$4,725

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?
Disturbance from road maintenance and construction.	Install yellow posts and work with NPWS to develop a strategy to manage roadside activities.	Yes
Fire destroying individuals and their habitat.	Ensure that contractors annually upload species records associated with flora monitoring into Bionet for use in fire planning.	Yes

Threat outcome

Assessment on the status of critical threats at this site.

Threat	Annual target	Threat status
Fire destroying individuals and their habitat.	Fire response. Survey 20 x 30 m plots in burnt habitat to assess the species ecological response to fire, mortality, re-shooting, recruitment and changes in habitat condition.	On track
Disturbance from road maintenance and construction.	Detection and qualitative assessment of disturbance to plants	Not assessed

Site summary

Eight 20 x 30 m plots containing *Symplocos baeuerlenii* were established in areas effected by the 2019—20 bushfires. All individuals within the plots were assessed as mortalities directly post fire. In 2020—21 all plots were reassessed with no post fire response recorded. This species is highly susceptible to fire and does not reshoot. No post fire seedling recruitment has been recorded. There has been not change to the species abundance in non burnt areas.

Symplocos baeuerlenii habitats that include wet sclerophyll mixed forest were significantly impacted by the 2019—20 bushfires. Core rainforest refugia was largely unburnt and remains important to the species survival. Recommendations include protecting unburned areas of the species habitat, exclude fire from all of the species wet sclerophyll and rainforest habitats and protecting reproductively mature individuals of the species.

Yellow posts were installed to mark the location of threatened species on roadsides throughout eastern Nightcap National Park, including locations where *Symplocos baeuerlenii* occurs. A management guide to outline permissible activities within each threatened species zone was developed with local area and branch staff. All staff and contractors working within designated zones will be inducted and provided with a map of the zones with the pre-identified permissible activities.

Saving our Species 2020-2021 annual report card for Small-leaved Hazelwood (*Symplocos baeuerlenii*). For more information refer to the specific strategy in the Saving our Species program.