



SAVING OUR SPECIES

Denman Pomaderris

2022-2023 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	Goulburn River National Park; Limb of Addy; Myambat
Action implementation	1 (of 1) management action was fully or partially implemented as planned for the financial year.
Total expenditure	\$3,787 (\$3,125 cash; \$662 in-kind)
Partners	Environment and Heritage Group



Scientific name:
Pomaderris reperta

NSW status:
Critically Endangered

Commonwealth status:
Critically Endangered

Management stream:
Site-managed species





Photo: Lucas Grenadier

Priority management site: Goulburn River National Park

Local government area:
Muswellbrook; Upper Hunter

Partners:
Environment and Heritage Group

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.

Monitoring metric	Species abundance
Annual target	Establish baseline counts within plots.
Long term target	Population stable or increasing.
Monitoring result	A total of 16 plants were recorded within monitoring plots in March 2023, a reduction from 32 plants recorded in 2022. All plants within one plot died, likely due to ponding water and some young plants have been grazed. The plot within the ponding water may have been an area opportunistically colonised during the drought and may not be suitable habitat during wetter periods. The majority of plants at the site appeared healthy. Another plot may be installed to better represent population fluctuations over time.
Scientific rigour of monitoring method	Moderate
Conducted by	Environment and Heritage Group

Investment

Participant	Cash	In-kind
Environment and Heritage Group	\$3,125	\$662

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
Trampling by domestic cattle is impacting populations at some locations.	Nil cattle incursions in fenced area.	On track

Site summary

Two new monitoring plots were installed along Long Gully in Goulburn River National Park in March 2022 and surveyed for the second time in March 2023. These plots were positioned to allow monitoring of *Pomaderris reperta* populations occurring near to their known western distributional limit. Identical monitoring attributes were recorded at this site, with one plot placed in a gully flat position and the other on the outer gully edge. Plot LON01 is dominated by older plants and includes three dead standing individuals, while LON02 supports near-equal young and older plants.

Dieback of adult plants was observed at this site in 2023 however investigation revealed the probable cause to be prolonged inundation following the recent wet seasons. Long Gully comprises a wide drainage line with a gentle slope, and in several locations evidence of long inundation times (death of grasses and herbs in depressions) was observed. Due to the large population size (>300 plants) and substantial area of suitable habitat, inundation within small areas will not significantly impact the population at this site. Grazing of young plants was also noted and contributed to the small reduction of plants within LON02.





No new threats were noted at this site and fencing installed as part of this project continues to prevent cattle access to the site.

Priority management site: Limb of Addy

Local government area:
Muswellbrook

Partners:
None

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 - Plot based monitoring undertaken biennially. Next monitoring event to occur June 2024.

Management actions

The following actions are those identified as being required in financial year 2022-2023 to secure the species in the wild.

Threat	Management action	Implemented as planned?
Prolonged drought conditions causing water stress and eventual population declines.	Monitor all translocation sites as per translocation plan.	Yes

Threat outcome

Assessment on the status of critical threats at this site.

Threat	Annual target	Threat status
A limited distribution and small total population size place the species at risk from demographic, environmental uncertainties, and natural catastrophes (e.g. fire).	Maintain or reduce level of threat.	On track
Prolonged drought conditions causing water stress and eventual population declines.	Recovery from drought conditions observed within monitoring plots.	On track
Information on where the species occurs and relevant threatening processes is limiting its management at some locations.	Review action and reconsider relevance of threat for this site.	On track

Site summary

No plot based monitoring of *Pomaderris reperta* undertaken at the Limb of Addy site during 2022-23 financial year as the monitoring frequency has been reduced to biennial. The reduction in monitoring is due to the population being considered stable at this time. Opportunistic inspection of plants undertaken in May 2023. Plants were healthy and recruitment observed. Next monitoring event to occur June 2024.





Monitoring of four translocation sites established in 2021 was completed in May 2023. Survival of translocated plants remains >85%. Plants appeared healthy with evidence of fruit recorded.

Priority management site: Myambat

Local government area:
Muswellbrook

Partners:
None

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 - Plot based monitoring undertaken biennially.

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
A limited distribution and small total population size place the species at risk from demographic, environmental uncertainties, and natural catastrophes (e.g. fire).	Evidence of age class progression within burnt plots.	On track
Prolonged drought conditions causing water stress and eventual population declines.	Recovery from drought conditions observed within monitoring plots.	On track

Site summary

No plot based monitoring of *Pomaderris reperta* was undertaken at the Myambat site during 2022-23 financial year. The monitoring frequency has been reduced to biennial as this population is considered stable and manageable threats are under control. The landholder has reported that the plants remain well protected and in good health with significant recruitment observed. Next monitoring event to occur June 2024

Saving our Species 2022-2023 annual report card for Denman *Pomaderris (Pomaderris reperta)*. For more information refer to the specific strategy in the Saving our Species program.