

Saving our Species 2017-2018 annual report card

A spear-grass

Species attributes

Scientific name	<i>Austrostipa nullanulla</i>
NSW status	Endangered
Commonwealth status	Not listed
Management stream	Site-managed species



Photographer: Michael Todd

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	Nanya Station; Nulla Station
Action implementation	3 of 3 management actions were fully or partially implemented as planned for the financial year.
Total expenditure	\$2,510 (\$2,510 cash; \$0 in-kind)
Partners	Office of Environment and Heritage

Management site 1: Nanya Station

Local Government Area	Unincorporated Far West Region; Wentworth
Estimated species population size	Approximately 10,000 plants.
Partners	Office of Environment and Heritage

Population status

On track	On track (inferred)	Not on track (inferred)	Not on track	Not determined
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Monitoring

Long term target	Maintain or increase plant numbers.
Annual target	Population estimate is stable.
Monitoring metric	Species abundance
Monitoring result	2715 individuals
Confidence in monitoring	High
Conducted by	Office of Environment and Heritage

Investment

Participant	Cash	In-kind
Office of Environment and Heritage	\$1,250	\$0

Management actions

The following actions (including research and survey actions) are those identified as being required in financial year 2017-2018 to secure the species in the wild.

Threat	Management action	Implemented as planned?
Goats graze the plants.	Erect two exclosures.	Yes
Habitat degradation; gypseous lunette habitats damaged by rabbits, due to the softer soils in which rabbits preferentially construct their warrens.	Conduct surveys in nearby suitable habitat.	Yes

Threat status

The following critical threats were monitored at this site during financial year 2017-2018.

Threat	Annual target	Threat status	Confidence in monitoring
Goats graze the plants.	There is no outcome from monitoring goats. Due to total grazing pressure the only appropriate management strategy is exclusion fencing.	Not detectable	Not Applicable
Habitat degradation; gypseous lunette habitats damaged by rabbits, due to the softer soils in which rabbits preferentially construct their warrens.	There is no outcome from monitoring rabbits. Due to total grazing pressure the only appropriate management strategy is exclusion fencing.	Not detectable	Not Applicable

Site summary

Two exclosures were established at the site located in 2016. Monitoring showed that only 14% of the inflorescences outside the exclosures survived to flowering compared with 72% within the exclosures.

Management site 2: Nulla Station

Local Government Area	Wentworth
Estimated species population size	>30,000 individuals
Partners	Office of Environment and Heritage

Population status

On track	On track (inferred)	Not on track (inferred)	Not on track	Not determined
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Monitoring

Long term target	The population remains stable based on an assessment of photo points.
Annual target	Population stable.
Monitoring metric	Species abundance
Monitoring result	Not known
Confidence in monitoring	Moderate
Conducted by	Office of Environment and Heritage

Investment

Participant	Cash	In-kind
Office of Environment and Heritage	\$1,260	\$0

Management actions

The following action is identified as being required in financial year 2017-2018 to secure the species in the wild.

Threat	Management action	Implemented as planned?
Grazing; total grazing pressure has increased with higher numbers of rabbits, domestic stock and kangaroos.	Inspect fence and conduct maintenance if required.	Yes

Threat status

The following critical threats were monitored at this site during financial year 2017-2018.

Threat	Annual target	Threat status	Confidence in monitoring
Grazing; total grazing pressure has increased with higher numbers of rabbits, domestic stock and kangaroos.	There is no outcome from monitoring total grazing pressure. The only appropriate management response is exclusion fencing.	Not detectable	Not Applicable
Habitat degradation; gypseous lunette habitats damaged by rabbits, due to the softer soils in which rabbits preferentially construct their warrens.	There is no outcome from monitoring rabbits. Due to total grazing pressure the only appropriate management strategy is exclusion fencing.	Not detectable	Not Applicable

Site summary

The exclosures are in good condition and plants are protected. Extensions to two of the exclosures were planned but not completed due to in house issues with the land manager.