

Species attributes

Scientific name:	<i>Eucalyptus sturgissiana</i>
NSW status:	Vulnerable
Commonwealth status:	N/A
Management stream:	Site-managed



Photographer: M.D. Crisp

Overall project status*



Populations at all sites are on target.



Populations at one or more sites were not monitored this year, but threat management is on target.
Populations at remaining sites are on target.



Populations at one or more sites were not monitored this year, but threat management is not on target.
Populations at remaining sites are on target.



Populations at one or more sites are not on target.

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

Project summary

Priority management sites:	Braidwood Road; Ettrema Plateau; Turpentine Road; Yarramunmun Tops
Action implementation:	16 of 17 actions were implemented as planned for the financial year (includes species population monitoring actions + other project actions fully or partially implemented)
Total expenditure:	\$18,188 (\$12,904 cash; \$5,284 in-kind)
Project partners:	Australian Botanic Garden Mount Annan; Office of Environment and Heritage; NSW Environmental Trust; Shoalhaven City Council

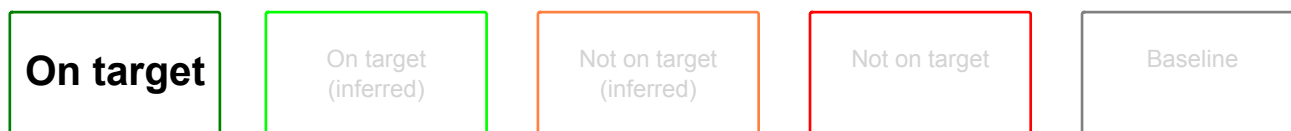
Management site 1: Ettrema Plateau

LGA: Shoalhaven

Project partners: Australian Botanic Garden Mount Annan; Office of Environment and Heritage; NSW Environmental Trust

Estimated species population size: 1185 individuals in 21 patches

Population status



Long term target	Annual target	Index	Monitoring result	Confidence in monitoring	Conducted by
Maintain the extent of occupancy of the population.	Species mapped across extent (1783 ha).	Species extent of occurrence	Species mapped across extent (1783 ha). Estimated 1185 individuals in 21 patches.	Moderate	Office of Environment and Heritage

Investment

Project participant	Cash	In-kind
Office of Environment and Heritage	\$0	\$1,784
Australian Botanic Garden Mount Annan	\$0	\$1,100
NSW Environmental Trust	\$3,082	\$0

Management actions

The project actions below (including research and survey actions) are those identified as being required in 2015-16 to secure the species in the wild.

Threat	Management action	Implemented as planned?
Any species with such a small range and population size is vulnerable to disturbance (e.g. fire), and the loss of even a few plants can be of major significance.	Contract Mount Annan Botanic Gardens to make comprehensive seed collection to be placed into long term low temperature seed storage. If/when augmentation is required, re-introduce seed collected from other extant populations into existing site/s. No need at this stage.	Yes
Potential for direct damage to individuals and habitat on roadsides due to road maintenance or construction activities.	Provide any new species data to Nowra Parks and Wildlife Group staff for inclusion in their relevant fire databases and consideration in their plans/strategies.	Yes
Too frequent or intense burning presents a threat to persistence and recruitment at some locations.	Establish control lines to exclude hazard reduction burns from the area if required.	Yes

Site summary

An aerial and on-ground distributional survey (and population estimate) was undertaken. Specimens and seed capsules were collected (it is unclear if seedbanking was successful and additional seed collection may be required).

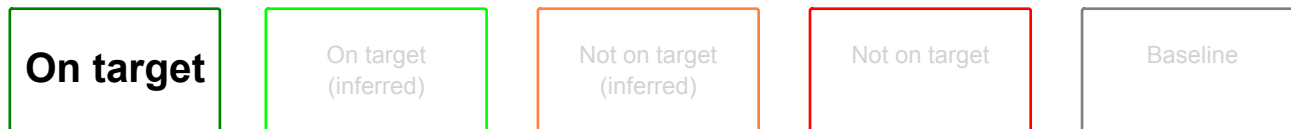
Management site 2: Yarramunmun Tops

LGA: Shoalhaven

Project partners: Office of Environment and Heritage; NSW Environmental Trust

Estimated species population size: 716 individuals in 71 patches

Population status



Long term target	Annual target	Index	Monitoring result	Confidence in monitoring	Conducted by
Maintain the extent of occupancy of the population.	Map population and determine extent and number of individuals.	Species extent of occurrence	716 plants in 71 patches across 1232 ha.	High	Office of Environment and Heritage

Investment

Project participant	Cash	In-kind
Office of Environment and Heritage	\$0	\$400
NSW Environmental Trust	\$3,411	\$0

Management actions

The project actions below (including research and survey actions) are those identified as being required in 2015-16 to secure the species in the wild.

Threat	Management action	Implemented as planned?
Potential for direct damage to individuals and habitat on roadsides due to road maintenance or construction activities.	Survey/map the species in relation to the fire trail in year one. Ongoing liaison with National Parks and Wildlife Service (NPWS) staff and the land council to ensure data is captured in the relevant fire databases and management plans/strategies. Install signs to indicate the population's location.	Yes
The species occurs on freehold land where future land management is not certain.	Liaise with the land council about managing the land to maintain or enhance the species and its habitat.	No (Logistical delays)
Too frequent or intense burning presents a threat to persistence and recruitment at some locations.	Liaise with NPWS and land council about fire requirements for the species. Establish control lines to exclude hazard reduction burns from the area if required.	Yes

Threat status

This table includes critical threats that were monitored at this site, this financial year.

Threat	Annual target	Threat status	Confidence in monitoring
Potential for direct damage to individuals and habitat on roadsides due to road maintenance or construction activities.	Ensure no damage has occurred.	Not on target	High

Site summary

A distributional survey and population estimate was undertaken.

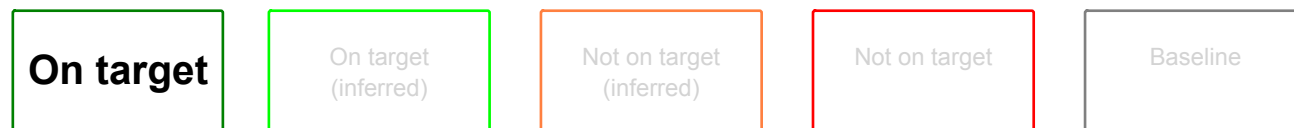
Management site 3: Braidwood Road

LGA: Shoalhaven

Project partners: Office of Environment and Heritage; NSW Environmental Trust

Estimated species population size: 321 individuals in 28 patches

Population status



Long term target	Annual target	Index	Monitoring result	Confidence in monitoring	Conducted by
Maintain the extent of occupancy of the population.	Map species occurrence and number of individuals.	Species abundance	321 individuals in 28 patches.	High	Office of Environment and Heritage

Investment

Project participant	Cash	In-kind
Office of Environment and Heritage	\$0	\$1,000
NSW Environmental Trust	\$3,411	\$0

Management actions

The project actions below (including research and survey actions) are those identified as being required in 2015-16 to secure the species in the wild.

Threat	Management action	Implemented as planned?
Potential for direct damage to individuals and habitat on roadsides due to road maintenance or construction activities.	Liaise with utility company (Transgrid) about protection of the species and habitat during maintenance operations. Install signs to indicate location of the species.	Yes
Too frequent or intense burning presents a threat to persistence and recruitment at some locations.	Survey and map location of species in relation to the fire trail in year one. Liaise with NPWS about fire requirements for the species. Establish control lines to exclude hazard reduction burns from the area if required.	Yes

Threat status

This table includes critical threats that were monitored at this site, this financial year.

Threat	Annual target	Threat status	Confidence in monitoring
Potential for direct damage to individuals and habitat on roadsides due to road maintenance or construction activities.	Inspect to ensure that utility maintenance has not impacted the site.	On target	Moderate

Site summary

A distributional survey and population estimate was undertaken.

Management site 4: Turpentine Road

LGA: Shoalhaven

Project partners: NSW Environmental Trust; Office of Environment and Heritage; Shoalhaven City Council

Estimated species population size: 7 plants in 2 patches

Population status

On target	On target (inferred)	Not on target (inferred)	Not on target	Baseline
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Long term target	Annual target	Index	Monitoring result	Confidence in monitoring	Conducted by
Track species abundance / condition over time	Map species occurrence and number of individuals.	Species extent of occurrence	7 plants in 2 patches across 56ha.	High	Office of Environment and Heritage

Investment

Project participant	Cash	In-kind
Office of Environment and Heritage	\$0	\$400
Shoalhaven City Council	\$0	\$600
NSW Environmental Trust	\$3,000	\$0

Management actions

The project actions below (including research and survey actions) are those identified as being required in 2015-16 to secure the species in the wild.

Threat	Management action	Implemented as planned?
The full distribution and area of occupancy of the species is not completely known at all locations.	Assess population and threat status of records on Turpentine Road.	Yes
Too frequent or intense burning presents a threat to persistence and recruitment at some locations.	Liaise with NPWS and Rural Fire Service about fire requirements for the species. Establish control lines to exclude hazard reduction burns from the area if required.	Yes

Site summary

A distributional survey and population estimate was undertaken.