

# Saving our Species project 2015-2016 annual report card

## Pretty Beard Orchid

### Species attributes

Scientific name:	<i>Calochilus pulchellus</i>
NSW status:	Endangered
Commonwealth status:	N/A
Management stream:	Site-managed



Photographer: John Briggs

### 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:	Little Forest Plateau; Vincentia
Action implementation:	9 of 9 actions were implemented as planned for the financial year (includes species population monitoring actions + other project actions fully or partially implemented)
Total expenditure:	\$9,253 (\$1,547 cash; \$7,706 in-kind)
Project partners:	Australian Botanic Garden Mount Annan; Australian Orchid Council; Office of Environment and Heritage; NSW Environmental Trust

## Management site 1: Little Forest Plateau

LGA: Shoalhaven

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

Estimated species population size: No individuals observed

### Population status

On target	On target (inferred)	Not on target (inferred)	Not on target	<b>Baseline</b>
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Index	Monitoring result	Confidence in monitoring	Conducted by
Species abundance	No individuals observed, although this is likely due to environmental conditions.	Moderate	Australian Orchid Council; Office of Environment and Heritage

### Investment

Project participant	Cash	In-kind
Office of Environment and Heritage	\$0	\$1,768
Australian Orchid Council	\$0	\$1,050

### 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 very small colony sizes render the species liable to stochastic effects.	Collect seed as per Mount Annan Botanic Gardens protocols.	Conducted, but not as planned

### Threat status

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

Threat	Annual target	Threat status	Confidence in monitoring
Sites where the species occurs are accessible by recreational users who may inadvertently trample on the plants.	To determine if illegal access to the site occurred.	On target	High

## Site summary

Survey was undertaken and no orchids were observed. Vegetation modification is under consideration, particularly if orchids are not observed in the 2016-17 season.

## Management site 2: Vincentia

LGA: Shoalhaven

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

Estimated species population size: 7 individuals

### Population status

**On target**

On target  
(inferred)

Not on target  
(inferred)

Not on target

Baseline

Long term target	Annual target	Index	Monitoring result	Confidence in monitoring	Conducted by
Maintain greater than 90% of the known maximum number of individuals (9) based on a three year rolling average.	Monitor and count 5-8 individuals	Species abundance	7 individuals	High	Australian Orchid Council; Office of Environment and Heritage

### Investment

Project participant	Cash	In-kind
Office of Environment and Heritage	\$0	\$1,538
Australian Botanic Garden Mount Annan	\$0	\$2,300
Australian Orchid Council	\$0	\$1,050
NSW Environmental Trust	\$1,547	\$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?
Sites where the species occurs are accessible by recreational users who may inadvertently trample on the plants.	Liaise with land managers to ensure management requirements and conditions of consent are complied with, including adequate fencing of area to prevent access and ongoing bush regeneration.	Yes
The very small colony sizes render the species liable to stochastic effects.	Collect seed as per Mount Annan Botanic Gardens seedbanking protocols.	Yes
The Vincentia site is on private land and part of this population was cleared for housing development in 2009. This resulted in a decline of about 20% in the number of known plants.	Liaise with landholder(s) about entering into a to voluntary management agreement to maintain or enhance the species and its habitat.	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
Sites where the species occurs are accessible by recreational users who may inadvertently trample on the plants.	Absence of threat.	On target	High
The Vincentia site is on private land and part of this population was cleared for housing development in 2009. This resulted in a decline of about 20% in the number of known plants.	Ensure threat is absent.	On target	High

## Site summary

Two pods (with approximately 1000 seeds) were collected and are stored in Mount Annan Botanic Garden's seedbank. Seven individuals flowered this year.