



## SAVING OUR SPECIES

# Biconvex Paperbark

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

<b>Management sites</b>	Central Coast; St Georges Basin
<b>Action implementation</b>	2 (of 3) management actions were fully or partially implemented as planned for the financial year.
<b>Total expenditure</b>	\$74,822 (\$22,600 cash; \$52,222 in-kind)
<b>Partners</b>	Central Coast Council; Cromarty Hill Bushcare; Environment, Energy and Science; Niagara Park Bushcare; NSW Environmental Trust; Palm Grove/Ourimbah Creek Landcare



**Scientific name:**  
*Melaleuca biconvexa*

**NSW status:**  
Vulnerable

**Commonwealth status:**  
Vulnerable

**Management stream:**  
Site-managed species

Photo: Barry Collier





# Priority management site: Central Coast

**Local government area:**  
Central Coast

**Partners:**

Central Coast Council;  
Cromarty Hill Bushcare;  
Environment, Energy and  
Science; Niagara Park  
Bushcare; NSW Environmental  
Trust; Palm Grove/Ourimbah  
Creek Landcare

**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 - Monitoring only undertaken every two years.

## Investment

Participant	Cash	In-kind
Central Coast Council	\$0	\$8,700
Cromarty Hill Bushcare	\$0	\$1,260
Environment, Energy and Science	\$0	\$4,762
Niagara Park Bushcare	\$0	\$20,000
NSW Environmental Trust	\$22,600	\$0
Palm Grove/Ourimbah Creek Landcare	\$0	\$17,500

## 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?
Competition from noxious aquatic weeds, particularly <i>Sagittaria platyphylla</i> along with woody weeds such as privet.	Continue weeding in high priority sites.	Yes

## Threat outcome

*Assessment on the status of critical threats at this site.*

Threat	Annual target	Threat status
Competition from noxious aquatic weeds, particularly <i>Sagittaria platyphylla</i> along with woody weeds such as privet.	Area of weeding continues to expand.	On track

## Site summary

Multiple and varied sites are targeted for works each year. This year included ongoing works at Porters Creek, Ourimbah and Niagara Park. The work continues to support Bushcare groups who are active at or nearby to all sites. Innovative techniques have enabled the control of large areas of blackberry. Central Coast Council is undertaking native revegetation plantings throughout the weed control areas to enhance the resilience of the remnants containing *Melaleuca biconvexa*. Another technique being trialled by Bushcare groups is planting strangler figs into camphor laurel trees to promote natural succession and control of weeds whilst maintaining large tree habitat.

# Priority management site: St Georges Basin

<p><b>Local government area:</b> Shoalhaven</p> <p><b>Partners:</b> None</p>	<p><b>Population outcome</b></p> <ul style="list-style-type: none"> <li><span style="color: green; font-size: 20px; margin-right: 10px;">●</span> On track</li> <li><span style="color: lightgreen; font-size: 20px; margin-right: 10px;">●</span> On track (inferred)</li> <li><span style="color: orange; font-size: 20px; margin-right: 10px;">●</span> <b>Not on track (inferred)</b></li> <li><span style="color: red; font-size: 20px; margin-right: 10px;">●</span> Not on track</li> </ul> <p>The species population is inferred to be off track based on threat management being off track. The population trend is unknown at this time.</p>
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## 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 - Action only undertaken every two years.

## 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?
Clearing for residential development.	Discuss opportunities with landholders and council.	Partial implementation - This work is operating alongside a large rezoning planning proposal being undertaken by council and is necessarily constrained by those external timelines.
Grazing and trampling by stock causing root damage, prevention of seedling establishment and erosion.	Discuss fencing options with landholders where threat is shown to be active.	No - Private land sites were not able to be accessed, so the extent of the threat, necessity for and ability to undertake the action remain unassessed.

## Threat outcome

*Assessment on the status of critical threats at this site.*

Threat	Annual target	Threat status
Clearing for residential development.	One new area protected under private land conservation.	Not on track
Grazing and trampling by stock causing root damage, prevention of seedling establishment and erosion.	Reduction in the areas being impacted by the threat.	Not assessed

## Site summary

Negotiations with Shoalhaven City Council regarding conservation and environmental protection zoning within the many outstanding paper subdivisions are ongoing. More broadly across the site, large stands of *Melaleuca biconvexa* on private land remain unable to be accessed. Species monitoring is only undertaken every 2 years and there is not expected to be any change in condition across this site since last year, except for continued recovery in the burnt areas.

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Saving our Species 2020-2021 annual report card for Biconvex Paperbark (*Melaleuca biconvexa*). For more information refer to the specific strategy in the Saving our Species program.