

## Saving our Species project 2013-14 annual report card

### Needle Geebung

#### Species attributes

Scientific name:	<i>Persoonia acerosa</i>
NSW status:	Vulnerable
Commonwealth status:	Vulnerable
Management stream:	Site-managed



Photographer: M Fagg/courtesy of Australian National Botanic Gardens  
[www.anbg.gov.au/index.html](http://www.anbg.gov.au/index.html)

#### Overall project status\*

- Populations at all key management sites are generally stable or increasing
- All management is being implemented as planned; too early to detect response to management at some sites
- Management at some sites requires review/amendment to ensure that the project is likely to meet its objectives
- Major review of / changes to the project required to ensure long-term objectives are likely to be met

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

#### Project summary

Key management sites:	Great Western Hwy; Translocation Site
Action implementation:	4 of 7 actions were implemented as planned for the financial year (includes species population monitoring actions + other project actions fully or partially implemented)
Total expenditure:	\$12,650 (cash and in-kind)
Project partners:	Blue Mountains City Council; Office of Environment and Heritage

## Management site 1: Great Western Hwy

LGA: Blue Mountains

Project partners: Blue Mountains City Council; Office of Environment and Heritage

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### Species population monitoring action

*Reported trends are based on best available information*

Estimated population	Population monitoring conducted	Conducted by	Trend
Unknown	Partial	Blue Mountains City Council	Unknown

### Investment

*This includes cash and in-kind contributions*

Project participant	Investment
Blue Mountains City Council	\$1,050
Office of Environment and Heritage	\$11,600

## Project actions

The project actions below are those identified as being required in 2013-14 to secure the species in the wild

Threat	Management/monitoring action description	Implemented as planned?
Burning for hazard reduction and other unnatural ignitions have increased fire frequency and may threaten the species' survival.	Monitor species recruitment and adult condition immediately post-fire event and subsequently every 6 months for 3 years	No
Habitat disturbance during road maintenance.	Construct and maintain appropriate walking tracks consistent with the Moonee Beach Nature Reserve Plan of Management.	No
Habitat disturbance during road maintenance.	Install signage and guide posts along road and fire trail verges to notify of environmentally sensitive area and prevent harm.	Partial
Habitat disturbance during road maintenance.	Monitor for evidence of direct disturbance on the species at the sites.	Yes
Lack of knowledge about distribution of the species.	Monitor the southern records to confirm if these populations are still present. This would increase the distribution and lower altitude of the species.	No
Many <i>Persoonia</i> species are killed following infection by Cinnamon Fungus <i>Phytophthora cinnamomi</i> .	Unknown if Phytophthora-sensitive. Phytophthora is present in the site. Monitor to determine if there is a response to the disease.	Yes

## Site summary

Plants monitored in the quadrat were stable and self-recruiting. However ongoing road works and other disturbance events are affecting known occurrences within the broader site. Recreational vehicle use, weeds, track proliferation and lack of fire also pose management challenges. New occurrences of the species are also being found within the site, such as the large occurrence located in Park Street, Lawson. As a result, review of management at the site is needed to inform future management.

## Management site 2: Translocation Site

LGA: site to be selected

No actions were implemented at this site during 2013/14.