

## Saving our Species project 2014-15 annual report card

### Myriophyllum implicatum

#### Species attributes

|                      |                                |
|----------------------|--------------------------------|
| Scientific name:     | <i>Myriophyllum implicatum</i> |
| NSW status:          | Critically endangered          |
| Commonwealth status: | Not listed                     |
| Management stream:   | Site-managed                   |



Photographer: Marc Irvin

#### Overall project status\*



Stable or increasing population trend for all key management sites



Population trend not determined for some key management sites; too early to determine overall status



Decreasing population trend for at least one key management site; project review triggered

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

#### Project summary

|                        |   |
|------------------------|---|
| Key management sites:  | Pilliga National Park; Translocation site   |
| Action implementation: | 2 of 4 actions were implemented as planned for the financial year (includes species population monitoring actions + other project actions fully or partially implemented) |
| Total expenditure:     | \$23,740 (cash and in-kind)   |
| Project partners:      | Office of Environment and Heritage  |

## Management site 1: Pilliga National Park

LGA: Narrabri

Project partners: Office of Environment and Heritage

### Species population monitoring action

*Reported trends are based on best available information*

| Estimated population | Population monitoring conducted | Conducted by                       | Trend          |
|----------------------|---------------------------------|------------------------------------|----------------|
| Unknown              | Not required                    | Office of Environment and Heritage | Not determined |

### Investment

*This includes cash and in-kind contributions*

| Project participant                | Investment |
|------------------------------------|------------|
| Office of Environment and Heritage | \$23,740   |

### Project actions

*The project actions below are those identified as being required in 2014-15 to secure the species in the wild*

| Threat   | Management/monitoring action description  | Implemented as planned? |
|--|---|-------------------------|
| Very little known about species' distribution, especially on private lands to the north. | Survey drainage lines/wetlands on private land areas immediately to the north of the site in spring/summer, or following rain event. Ensure appropriate expertise is employed; the species is often difficult to identify (can be confused with <i>Myriophyllum simulans</i> or <i>Myriophyllum striatum</i> ). Ensure approval for access is sought from relevant landholders prior to survey. | Not required            |
| Habitat destruction by feral pigs.   | Implement reactive baiting and/or trapping as necessary to control local pig densities. Target current pig control program to include this site. Timing of the program is increasingly important as the landscape dries out, therefore baiting should be targeted at the drying phase of the wetland areas.   | Yes                     |
| Habitat destruction by feral pigs.   | Implement aerial shooting across the Pilliga National Park (Gilgai section) and surrounds when feral impacts and/or numbers are high. Extend to the Pilliga State Conservation Area east of County Line (to provide a buffer area).   | Yes                     |

## Site summary

The species requires inundation to be present at the site. Insufficient rainfall during the spring to autumn periods occurred, meaning that population monitoring and the survey of drainage lines/wetlands could not be conducted.

## Management site 2: Translocation site

LGA: site to be selected

No actions were implemented at this site during 2014/15.