

**Approved Conservation Advice for**  
***Banksia pseudoplumosa* (a shrub)**

(s266B of the *Environment Protection and Biodiversity Conservation Act 1999*)

This Conservation Advice has been developed based on the best available information at the time this Conservation Advice was approved; this includes existing plans, records or management prescriptions for this species.

**Description**

*Banksia pseudoplumosa*, Family Proteaceae, is a non-lignotuberous shrub, growing to 1.8 metres in height in gravelly soils. The flowering period is from November to December (CALM, 2006).

**Conservation Status**

*Banksia pseudoplumosa* is listed as **endangered**. This species is eligible for listing as endangered under the *Environment Protection and Biodiversity Conservation Act 1999* (Cwlth) (EPBC Act) as it has a restricted geographic distribution and is subject to ongoing threats (TSSC, 2006).

The species is also listed as Declared Rare Flora under the *Western Australian Wildlife Conservation Act 1950*.

**Distribution and Habitat**

*Banksia pseudoplumosa* is endemic to Western Australia where it is restricted to the south coast region. The species is known from seven subpopulations in the Stirling Range National Park and patches of remnant vegetation on road verges and on private property to the north and northeast of Albany (CALM, 2006). This species occurs in woodland over heath on flat to slightly sloping topography in orange gravelly clay loam over laterite. Associated species include *Eucalyptus tetragona*, *Banksia armata*, *B. seneciifolia*, *B. nervosa*, *Lambertia inermis*, *Hakea cucullata*, *Adenanthos sp.* and sedges (WA Herbarium, 2006). *Banksia pseudoplumosa* has an estimated extent of occurrence of 600 km<sup>2</sup> and an estimated area of occupancy of 0.15 km<sup>2</sup>. The total population is estimated as 3400 plants.

This species occurs within the South Coast Natural Resource Management Region.

The distribution of this species is not known to overlap with any EPBC Act-listed threatened ecological community.

**Threats**

The main identified threats to *Banksia pseudoplumosa* are dieback caused by *Phytophthora cinnamomi* and inappropriate fire regimes.

**Research Priorities**

Research priorities that would inform future regional and local priority actions include:

- Design and implement a monitoring program or, if appropriate, support and enhance existing programs.
- Undertake seed germination and/or vegetative propagation trials to determine the requirements for successful establishment.

### **Regional Priority Actions**

The following regional priority recovery and threat abatement actions can be done to support the recovery of *Banksia pseudoplumosa*.

- Develop and implement suitable hygiene protocols to protect known sites from further outbreaks of dieback caused by *Phytophthora cinnamomi*.
- Develop and implement a suitable fire management strategy for *Banksia pseudoplumosa*.

### **Local Priority Actions**

The following local priority recovery and threat abatement actions can be done to support the recovery of *Banksia pseudoplumosa*.

- Implement suitable hygiene protocols to protect sites currently free from dieback caused by *Phytophthora cinnamomi*.
- Undertake survey work in suitable habitat and potential habitat to locate any additional populations/occurrences/remnants.

This list does not necessarily encompass all actions that may be of benefit to *Banksia pseudoplumosa*, but highlights those that are considered to be of highest priority at the time of preparing the Conservation Advice.

### **Existing Plans/Management Prescriptions that are Relevant to the Species**

A management plan for the Stirling Range National Park has been approved by the Western Australian Minister for the Environment. While there are no specific references to management of *Banksia pseudoplumosa*, the management plans does address they key threats to this species (CALM, 1999).

### **Information Sources:**

CALM (1999). Management Plan: Stirling Range National Park and Porongurup National Park 1999–2009. [www.calm.wa.gov.au/national\\_parks/management/pdf\\_files/stirling-porongurup\\_nps.pdf](http://www.calm.wa.gov.au/national_parks/management/pdf_files/stirling-porongurup_nps.pdf)

CALM (2006). Records held in CALM's Declared Flora Database and rare flora files. Western Australian Department of Conservation and Land Management.

TSSC (2006). Threatened Species Scientific Committee listing advice for *Banksia pseudoplumosa*

Western Australian Herbarium (2006). FloraBase – The Western Australian Flora. Department of Conservation and Land Management. <http://florabase.calm.wa.gov.au>.