

**Approved Conservation Advice for**  
***Grevillea brachystylis* subsp. Busselton (G.J.Keighery s.n. 28/8/1985) (Large-flowered Short-styled Grevillea)**

(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**

*Grevillea brachystylis* subsp. Busselton (G.J.Keighery s.n. 28/8/1985), Family Proteaceae, also known as the Large-flowered Short-styled Grevillea, is a shrub growing to 1.8 metres tall, with red flowers showing from August to December.

**Conservation Status**

The Large-flowered Short-styled Grevillea is listed as **critically endangered**. This species is eligible for listing as critically endangered under the *Environment Protection and Biodiversity Conservation Act 1999* (Cwlth) (EPBC Act) as the species has a very restricted extent of occurrence (14km<sup>2</sup>), which is precarious for its survival (TSSC, 2005).

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

**Distribution and Habitat**

The Large-flowered Short-styled Grevillea is known from six populations of approximately 170 mature individuals in Blackwood area, about 200 km south-south-west of Perth in Western Australia (CALM, 2005). It grows on brown lateritic clay loam soils, in Marri woodland, in areas infested with weeds including Bugle Lily (*Watsonia bulbifera*), Rush (*Juncus microcephalus*), African Lovegrass (*Eragrostis curvula*) and Kikuyu (*Pennisetum clandestinum*) (Stack & English, 2002; WA Herbarium, 2005). Available evidence indicates that the species has undergone a past decline in population size (TSSC, 2005).

This species occurs within the South West 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 the Large-flowered Short-styled Grevillea are road maintenance, including grading, chemical spraying, drainage channel construction and mowing; and weed competition, especially from Bugle Lily (*Watsonia bulbifera*), Rush (*Juncus microcephalus*), African Lovegrass (*Eragrostis curvula*) and Kikuyu (*Pennisetum clandestinum*) (CALM, 2005; Stack & English, 2002).

The main potential threats to the Large-flowered Short-styled Grevillea include inappropriate fire regimes.

**Priority Actions**

The following priority recovery and threat abatement actions can be done to support the recovery of the Large-flowered Short-styled Grevillea.

- Ensure road maintenance activities involving substrate or vegetation disturbance in areas where the Large-flowered Short-styled Grevillea occurs do not adversely impact on known populations.
- Identify and remove weeds in the local area, which could become a threat to the Large-flowered Short-styled Grevillea, using appropriate methods.
- Monitor the progress of recovery, including the effectiveness of management actions and the need to adapt them if necessary.
- Undertake appropriate seed collection and storage.
- Develop and implement a suitable fire management strategy for the Large-flowered Short-styled Grevillea.

This list does not necessarily encompass all actions that may be of benefit to the Large-flowered Short-styled Grevillea, 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**

*Grevillea brachystylis* subsp Grandis MS. Interim Recovery Plan No. 120 (Stack & English, 2002).

These prescriptions were current at the time of publishing; please refer to the relevant agency's website for any updated versions.

### **Information Sources:**

CALM (2005). Records held in CALM's Declared Rare Flora Database and rare flora file. WA Department of Conservation and Land Management.

Stack, G & English, V (2002) *Grevillea brachystylis* subsp Grandis MS. Interim Recovery Plan No. 120. Department of Conservation and Land Management, Western Australia.

TSSC (2006). Threatened Species Scientific Committee listing advice for *Grevillea brachystylis* subsp. Busselton (G.J.Keighery s.n. 28/8/1985) (Large-flowered Short-styled Grevillea).

Western Australian Herbarium (WA Herbarium) (2005). FloraBase – The Western Australian Flora. Department of Conservation and Land Management. <http://florabase.calm.wa.gov.au>