



SECURING THE FUTURE PROJECT

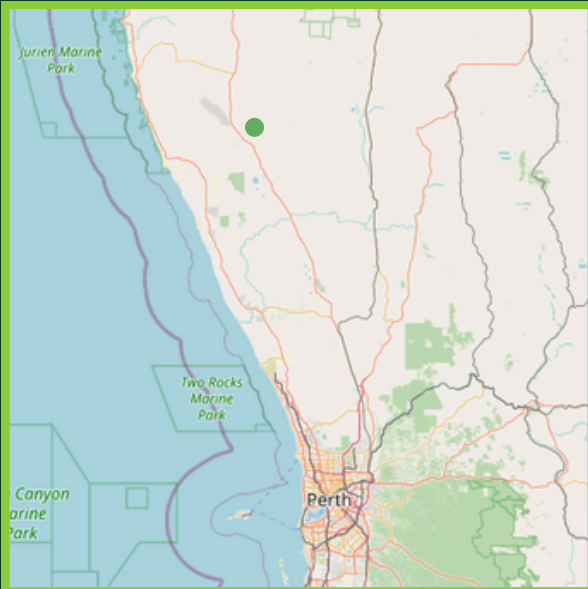
Preventing extinction of 10 threatened plants from SA, Vic & WA through seed collecting, germination trials, research, propagation & translocations

An initiative of the



Australian
Seed Bank
Partnership

DISTRIBUTION



SPECIES PROFILE

GREVILLEA CALLIANTHA

Foote's Grevillea is found only in a few small areas of Western Australia's Wheatbelt, growing in sandy soils among open woodlands of Pricklybark and Marri trees. A low growing, spreading shrub which grows up to 1 m tall and up to 3 m wide, often with a flat top. It has narrow and deeply divided leaves and hairy pale stems.

Its spider-shaped flowers are bright yellow-orange clusters with long, wire-like styles that are deep maroon or almost black. These striking blooms appear from late winter to early summer. After flowering, the plant produces woolly, hairy seed capsules that split open to release seeds. Whilst some seed germination occurs in the absence of fire, significant seedling recruitment usually only occurs after fire, making habitat management important for its survival.

KEY FACTS

Common name: Foote's Grevillea

Conservation status: Endangered (EPBC),
Critically Endangered (WA)

Historical notes: First described in 1991 from specimens collected in 1989. The species name means "beautiful-flowered"

Flowering season: August - November

Lifespan: Perennial - long lived

This profile was produced in collaboration with **Plant Conservation Australia** (formerly the ANPC)

Grevillea calliantha flowers
(Image: Leonie Monks)





THREATENING PROCESSES

A key threat for Foote's Grevillea is the lack of natural disturbance, as significant germination is observed after fire. Other threats include habitat fragmentation from road maintenance, grazing by rabbits and kangaroos, competition from invasive weeds, and the spread of dieback disease caused by Phytophthora.

To reduce these threats, key actions include working with landholders and councils to plan roadside works carefully, establishing translocated populations, controlling weeds and rabbit populations, and using good hygiene practices to prevent soil-borne diseases. Fire management is also critical to create the conditions needed for regeneration. In addition, maintaining and expanding ex situ collections will safeguard genetic diversity and support current and future translocations to secure the species in new locations.

PROJECT OUTCOMES

Under the **Securing the Future project**, conservation of Foote's Grevillea advanced significantly through coordinated efforts by the Western Australian Seed Centre, Kensington, staff at the Department of Biodiversity, Conservation and Attractions, and rangers from the Yued Aboriginal Corporation.

An initial soil seed bank study found no viable seeds in soils at existing or translocated sites, however natural recruitment was observed indicating seed remains in the soil. Subsequent seed collection during the project was highly successful, yielding over 2,800 seeds from a Seed Production Area and wild populations in 2024.

Germination trials achieved 100% success, and seedlings were cultivated for translocation. In June 2025, the project facilitated the planting of 303 healthy seedlings at a new translocation site, with another 38 augmenting two existing sites. Images of seeds and seedlings captured during the project will support long-term monitoring and field identification. This comprehensive soil-to-seedling approach has laid strong foundations for the recovery of this rare species.

REFERENCES

- Images: Grevillea seedling (Simone Dudley), grevillea flower (Leonie Monks), seed (Andrew Crawford), seedlings being translocated (Andrew Crawford).
- <https://www.dcceew.gov.au/environment/biodiversity/threatened/action-plan/priority-plants/footes-grevillea>
- <https://bie.ala.org.au/species/https://id.biodiversity.org.au/node/apni/2903139>
- <https://florabase.dbca.wa.gov.au/browse/profile/12221>



Department of
**Biodiversity, Conservation
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We acknowledge the Priority Species Grant provided by the Australian Government's [Saving Native Species Program](#) to improve outcomes for priority plants in the Threatened Species Action Plan.

+61 (0) 2 6250 9473 @SeedPartnership

SeedPartnership.org.au @AustralianSeedBankPartnership

Coordinator@seedpartnership.org.au @AustralianSeedBankPartnership



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