



Stylidium coroniforme

Wongan Hills triggerplant

Taxonomy

Stylidium coroniforme (Wongan Hills triggerplant) was first collected from the Wongan Hills area in the Avon Wheatbelt region of south-western Western Australia in 1964 (Stack et al 2003). According to Wege & Coates (2007), a geographically distinct subspecies of *S. coroniforme*, *S. c. subsp. amblyphyllum*, occurs in the Quairading area approximately 140 km south of Wongan Hills. The two northernmost subpopulations of *S. coroniforme*, occurring near Maya, were found to be genetically and morphologically distinct from individuals comprising the subpopulations in the Wongan Hills area, and were determined to represent a new species, *S. amabile*. As such, *Stylidium coroniforme* was split into a new species, *S. amabile*, and two subspecies, *S. c. subsp. amblyphyllum* and *S. c. subsp. coroniforme*.

Reason for conservation assessment by the Threatened Species Scientific Committee

Stylidium coroniforme is listed as Endangered under the *Environment Protection and Biodiversity Conservation Act 1999* (Cwlth) (EPBC Act). The species is eligible for listing under the EPBC Act as on 16 July 2000 it was listed as Endangered under Schedule 1 of the preceding Act, the *Endangered Species Protection Act 1992* (Cwlth).

Western Australia has assessed the conservation status of *S. amabile* and each of the two *Stylidium coroniforme* subspecies using the IUCN categories and criteria. *S. amabile* and *S. c. subsp. amblyphyllum* were assessed as eligible for listing as Critically Endangered, while *S. c. subsp. coroniforme* was assessed as eligible for listing as Endangered.

Under the *Intergovernmental memorandum of understanding – Agreement on a common assessment method for listing of threatened species and threatened ecological communities*, Western Australia has provided its assessments for *S. amabile*, *S. c. subsp. amblyphyllum* and *S. c. subsp. coroniforme* to the Commonwealth, and proposes alignment of the EPBC Act listing categories for these taxa with the respective Western Australian listing categories.

To facilitate alignment, it is proposed that *Stylidium coroniforme* be deleted from the Endangered category of the EPBC Act list of threatened species, and that *S. c. subsp. amblyphyllum*, *S. c. subsp. coroniforme* and *S. amabile* be simultaneously assessed to determine the eligibility of these taxa for listing under the EPBC Act.

Consideration for delisting

As *Stylidium coroniforme* subsp. *amblyphyllum*, *S. c. subsp. coroniforme* and *S. amabile* are proposed to be added to the list while *Stylidium coroniforme* is proposed to be simultaneously deleted from the list, the de-listing of this entity at the species level is not expected to adversely affect the regulatory protection and conservation of the species.

References cited in the advice

Stack G, Willers N & Brown A (2003) Wongan Hills Triggerplant (*Stylidium coroniforme*) Interim Recovery Plan 2003–2008. Western Australian Department of Conservation and Land Management, Perth.

Available from the Internet:

https://www.dpaw.wa.gov.au/images/documents/plants-animals/threatened-species/recovery_plans/Approved_interim_recovery_plans/_sty_cor_irp149update.pdf.

Wege J A & Coates D J (2007) Observations on the rare triggerplant *Stylidium coroniforme* (Stylidiaceae) and the description of two allied taxa of conservation concern. *Nuytsia* 17: 433–444.