



PLANT

Pultenaea dentata

Clustered Bush-pea

AUS	SA	AMLR	Endemism	Life History
-	R	V	-	Perennial

Family LEGUMINOSAE



Photo: R. Hill ©ANBG

Conservation Significance

In SA, the majority of the distribution is confined to AMLR and is disjunct from the remaining extant distribution in other States. Within the AMLR the species' relative area of occupancy is classified as 'Very Restricted'.³

Description

Slender, twiggy shrub to shin high. Leaves linear to narrow, edge curved inwards, no hairs. Bright yellow and red purple tinged flowers in tight groups at end of stems. Large bract edged with hairs.⁸

Distribution and Population

Also occurs in NSW, QLD, VIC and TAS. In SA occurs in SL KI and SE regions.^{2,1}

Very rare species.⁸ Occurs at Stipiturus CP (Glenshera Swamp) and known from 12 peat bog/spring-fed permanent swamps on private land around Mount Compass (some under Heritage Agreements).^{5,6,7} Also known from private property adjoining Spring Mount CP (K. Brewer and J. Smith *pers. comm.*).

Post-1983 AMLR filtered records clustered in the Fleurieu area between Mount Compass and Inman Valley.³

There are few pre-1983 AMLR filtered records, which indicate a similar distribution, with additional historic records at Myponga and Ashbourne.³

Habitat

Usually occurs in swamps or along the edge of streams.⁸ In the AMLR, recorded habitats include:

- mixed *Leptospermum* shrubland with emergent *Viminaria juncea* or *Acacia retinodes* and sedge understorey
- mixed sedgeland of *Gahnia sieberiana*, *Leptospermum juniperinum*, *Melaleuca squamea*, *Empodisma minus*, *Baumea acuta* and *Tetragonia*.^{5,7}

Within the AMLR the preferred broad vegetation group is Wetland.³

Within the AMLR the species' degree of habitat specialisation is classified as 'Very High'.³

Biology and Ecology

Reproduces via seed. Cover/abundance likely to be severely reduced by three or more inappropriate fires.⁴

Aboriginal Significance

Post-1983 records indicate the AMLR distribution borders southern Kaurna, Peramangk and Ngarrindjeri Nations.³

Threats

Threats include livestock grazing (mostly dairy cattle) with associated pugging of soil, altered water regimes (e.g. construction of dams upstream) and weed competition (including pasture species, Yorkshire Fog Grass, Blackberry).^{5,7}

Within the AMLR, approximately one third of known distribution occurs within 2 km of confirmed or suspected *Phytophthora* infestations.³

Additional current direct threats have been identified and rated for this species. Refer to the main plan accompanying these profiles.

Further information:

Biodiversity Conservation Unit, Adelaide Region
Phone: (61 8) 8336 0901 Fax: (61 8) 8336 0999
<http://www.environment.sa.gov.au/>

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Prepared as part of the Regional Recovery Plan for Threatened Species and Ecological Communities of Adelaide and the Mount Lofty Ranges, South Australia 2009 - 2014



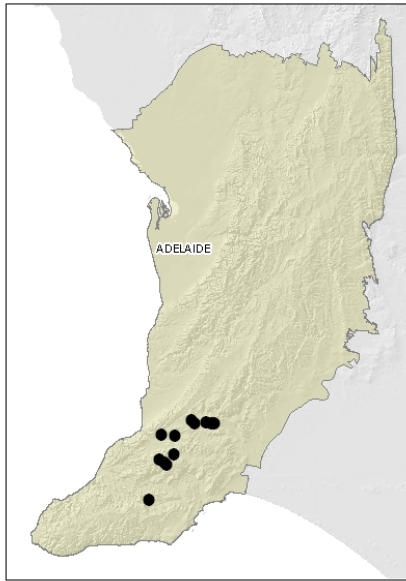


ADELAIDE AND MOUNT LOFTY RANGES SOUTH AUSTRALIA

Threatened Species Profile

Department
for Environment
and Heritage

Regional Distribution



Map based on filtered post-1983 records.³ Note, this map does not necessarily represent the actual species' distribution within the AMLR.

8 Prescott, A. (1988). *It's Blue with Five Petals*. Ann Prescott, Adelaide, South Australia.

References

Note: In some cases original reference sources are not included in this list, however they can be obtained from the reference from which the information has been sourced (the reference cited in superscript).

1 Barker, W. R., Barker, R. M., Jessop, J. P. and Vonow, H. P., eds. (2005). *Census of South Australian Vascular Plants, 5th Edition*. Botanic Gardens of Adelaide & State Herbarium, Adelaide.

2 Botanic Gardens Trust (1993). *PlantNET - The Plant Information Network System of Botanic Gardens Trust*. Available from <http://plantnet.rbgsyd.nsw.gov.au> (accessed September 2007).

3 Department for Environment and Heritage (2007). *Adelaide and Mount Lofty Ranges Regional Recovery Pilot Project Database*. Unpublished data extracted and edited from BDBSA, SA Herbarium (July 2007) and other sources.

4 Department for Environment and Heritage (2007). *Combined Fire Response Database*. Unpublished data, extracted September 2007.

5 Department for Environment and Heritage (2007). *State Herbarium of South Australia Database*. Unpublished data, extracted October 2007.

6 Department for Environment and Heritage. (2007). Summary of two Wetland Threatened Flora Workshops (unpublished spreadsheet).

7 Department for Environment and Heritage (2007). *Wetlands Inventory Database of South Australia*. Unpublished data, extracted October 2007.

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