



*Brachyscome diversifolia*

Tall Daisy

| AUS | SA | AMLR | Endemism | Life History |
|-----|----|------|----------|--------------|
| -   | E  | E    | -        | Perennial    |

Family *COMPOSITAE*



Photo: © DEH anon

#### Conservation Significance

The AMLR distribution is disjunct, isolated from other extant occurrences within SA. Within the AMLR the species' relative area of occupancy is classified as 'Extremely Restricted'.<sup>4</sup>

#### Description

Herb to 45 cm tall, stems several from the base, branched, erect, pubescent; leaves 2-9 cm long, daisy flower with white rays 10-12 mm long.<sup>1,2</sup>

#### Distribution and Population

Occurs in NT, QLD, NSW, VIC, TAS.<sup>2</sup> In the SE of SA presence is uncertain. There are historical records (held in the National Herbarium of Victoria), and one unvouchered observation from 1990 (P. Lang *pers. comm.*).

Post-1983 AMLR filtered records are restricted to the Mount Bold and Scott Creek CP area.<sup>4</sup> Over 130 plants were known.<sup>3</sup>

Previously occurred at Mount Bold (northern end) and from Cherry Gardens but these populations have not been re-located.<sup>3</sup>

There are no pre-1983 records.<sup>4</sup>

#### Habitat

Recorded from steep areas on rich black soil, in woodland along watercourses and gullies.<sup>2,3,6</sup>

Within the AMLR the preferred broad vegetation groups are Healthy Woodland, Grassy Woodland and Riparian.<sup>4</sup>

Within the AMLR the species' degree of habitat specialisation is classified as 'High'.<sup>4</sup>

#### Biology and Ecology

Flowers from October to November.<sup>2</sup>

Plants remain reproductively immature for two years. Seeds disperse long distances.<sup>5</sup>

#### Aboriginal Significance

Post-1983 records indicate the AMLR distribution borders both Kaurna and Peramangk Nations.<sup>4</sup>

#### Threats

Sensitive to herbicides (off-target spraying in the past reduced a sub-population to one third of its original size). Illegal collection of flowers may be an issue for one sub-population.<sup>3</sup>

One sub-population at Mount Bold may have been grazed completely by feral goats in 2000 (B. Bates, *pers. comm.*).

Very limited within the AMLR region, however the majority of its known distribution occurs within 2 km of confirmed or suspected *Phytophthora* infestations.<sup>4</sup>

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  
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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





## Regional Distribution



Map based on filtered post-1983 records.<sup>4</sup> Note, this map does not necessarily represent the actual species' distribution within the AMLR.

## 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 Dashorst, G. R. M. and Jessop, J. P. (1998). *Plants of the Adelaide Plains & Hills*. Botanic Gardens of Adelaide and State Herbarium, Adelaide, South Australia.

2 Department for Environment and Heritage *Electronic Flora of South Australia species Fact Sheet: Brachycome diversifolia (Graham ex Hook.) Fisch. & C.A.Mey.* Available from <http://www.flora.sa.gov.au> (accessed August 2007).

3 Department for Environment and Heritage. (2007). Adelaide and Mount Lofty Ranges Regional Recovery Pilot Expert Flora Workshop, Unpublished Notes. Participants: Bickerton, D., Croft, T., Jury, T., Lang, P., Prescott, A., Quarmby, J. and Smith, K., Adelaide.

4 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.

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

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

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