



# ADELAIDE AND MOUNT LOFTY RANGES SOUTH AUSTRALIA Threatened Species Profile

Department  
for Environment  
and Heritage

## PLANT

### *Schoenus latelaminatus*

### Medusa Bog-rush

AUS	SA	AMLR	Endemism	Life History
-	V	T	-	Annual

#### Family CYPERACEAE

#### 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 'Very Restricted'.<sup>5</sup>

#### Description

Rush; pale-green, 10-25 cm high; leaves and bracts flat, grass-like, usually with pale sheaths; culms without nodes below the inflorescence.<sup>3</sup>

#### Distribution and Population

Also occurs in QLD, NSW, VIC and TAS. In SA occurs in NL, MU, SL and SE regions.<sup>1,2</sup>

Post-1983 AMLR filtered records widespread but sparse consisting of records between Kaiser Stuhl CP in the north to the Inman Valley in the south.<sup>5</sup> Specifically, herbarium records exist from Spring Gully, Eden Valley, Mount Pleasant, Woolcock's Swamp, Inman Valley, Myponga, Cox Scrub CP, Knotts Hill, Mount Bold, and Kuitpo Forest areas.<sup>7</sup> The populations at Cox's Scrub and Kaiserstuhl CPs are small (T. Croft *pers. comm.*).

There are no pre-1983 records.<sup>5</sup>

#### Habitat

Occurs in freshwater boggy, swampy areas and drainage lines and temporarily wet places, including swampy valley sites under River Red Gum with *Myriophyllum amphibium* and damp depressions amongst *Juncus holoschoenus*, *Gratiola pumila* and *Myriophyllum* sp. (T. Croft *pers. comm.*).<sup>3,7</sup>

Within the AMLR the preferred broad vegetation groups are Wetland and Riparian.<sup>5</sup>

Within the AMLR the species' degree of habitat specialisation is classified as 'High'.<sup>5</sup>

#### Biology and Ecology

Flowers between October and January.<sup>3</sup>

Little is known of ecology except that it persists after flooding. Wind is the most likely pollination means for this species.<sup>8</sup>

Seed reproducer, which will establish in the presence of adult competition. Considered to have a robust fire response.<sup>6</sup>

#### Aboriginal Significance

Post-1983 records indicate the majority of the AMLR distribution occurs in Peramangk Nation. Also occurs in Ngarrindjeri Nation and southern Kaurna Nation.<sup>5</sup>

#### Threats

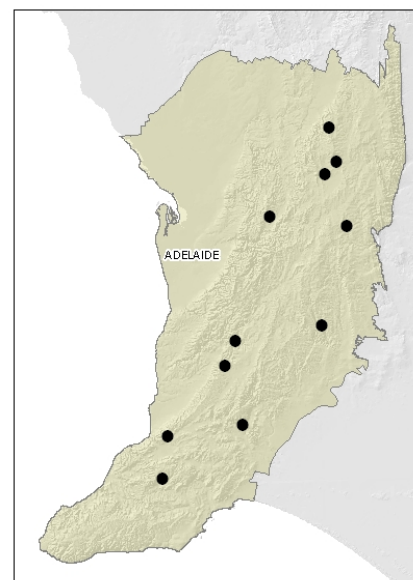
Likely threats include:

- climate change
- weed invasion
- water management
- poisoning (off-target spraying during Blackberry and other weed control along watercourses)
- site management activities
- drought
- road maintenance
- possibly livestock grazing of swamps (T. Croft *pers. comm.*).<sup>4</sup>

Within the AMLR, approximately one third of known distribution occurs within 2 km of confirmed or suspected *Phytophthora* infestations.<sup>5</sup>

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

#### Regional Distribution



Map based on filtered post-1983 records.<sup>5</sup> Note, this map does not

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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



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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 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 Council of Heads of Australian Herbaria (2002). *Australia's Virtual Herbarium*. Available from <http://www.flora.sa.gov.au/avh/> (accessed July 2007).

3 Department for Environment and Heritage *Electronic Flora of South Australia species Fact Sheet: Schoenus latelaminatus* Kuk. Available from <http://www.flora.sa.gov.au> (accessed September 2007).

4 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.

5 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.

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

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

8 Lazarus, E., Lawrence, N. and Potts, W. (2003). *Threatened Flora of Tasmania CD [Online]*. Threatened Species Unit, Department of Primary Industries Water and Environment,, Tasmania. Available from <http://www.dpiw.tas.gov.au/ThreatenedFloraCD/> (accessed July 2007).

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