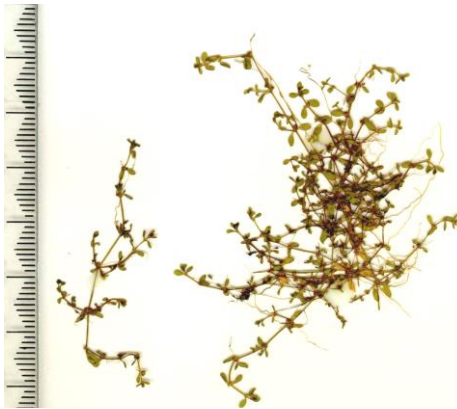


Callitriche sonderi



Callitriche sonderi.
Tasmanian Herbarium specimens.

FAMILY: CALLITRICHACEAE

BOTANICAL NAME: *Callitriche sonderi*,
Hegelm., *Verh. Bot. Vereins Prov.*
Brandenburg 9: 18 (1867)

COMMON NAME: matted waterstarwort

COMMONWEALTH STATUS: (*EPBC Act*)
Not Listed

TASMANIAN STATUS: (*TSP Act*) rare

Description

A small, semi-aquatic, mat-forming native herb. **Leaves:** The stalked leaves are narrowly egg-shaped and between 1.5 to 4 mm long and 0.5-1.5 mm wide. They have 3 veins and are arranged oppositely up the stem. **Flowers:** The flowers are usually in pairs (one of each sex). Often the pairs are in opposite axils (where the leaf meets the stem). Small leaf-like structures (bracts) are present. The pollen stalk (filament) is shorter than the ripe fruit. Flowering occurs between September and December. **Fruit:** The fruit is dark brown in colour and almost heart-shaped. They are between 0.5-0.8 mm long and 0.7-0.9 mm wide, with a narrow wing. Fruit is present for most of the year (description from Barnes *et al.* 2002, Harden 1992, Walsh & Entwistle 1996).

Known Reserves

This species is reserved in the Lavinia Nature Reserve.

Ecology and Management

Barnes *et al.* (2002) states that as a flood plain/estuarine species, *Callitriche sonderi* is generally not directly threatened by land clearance/modification activities. However, the clearance of native vegetation in the upper reaches of the catchments in which the species lives may impact on the water flows and nutrient/sediment loadings in the river. These factors may have some negative impact on the species in the lower reaches of the river. Barnes *et al.* (2002) suggests that stock should be excluded from all riparian and estuarine habitats to protect the estuarine environment and the species it supports.

Conservation Status Assessment

Reassessment of this species is required as the species has only been recorded twice in Tasmania.



Further Information

- Aston, HI 1973, *Aquatic Plants of Australia*, Melbourne University Press, Melbourne.
- Harden, GJ ed 1992, *Flora of New South Wales*, Volume 3, Royal Botanic Gardens and Domain Trust, Sydney.
- Walsh, NG & Entwistle, TJ eds 1999, *Flora of Victoria*, Volume 4, Inkata Press, Melbourne.

Preceding text last modified 3/9/2003.

Following updated 20/9/2016.

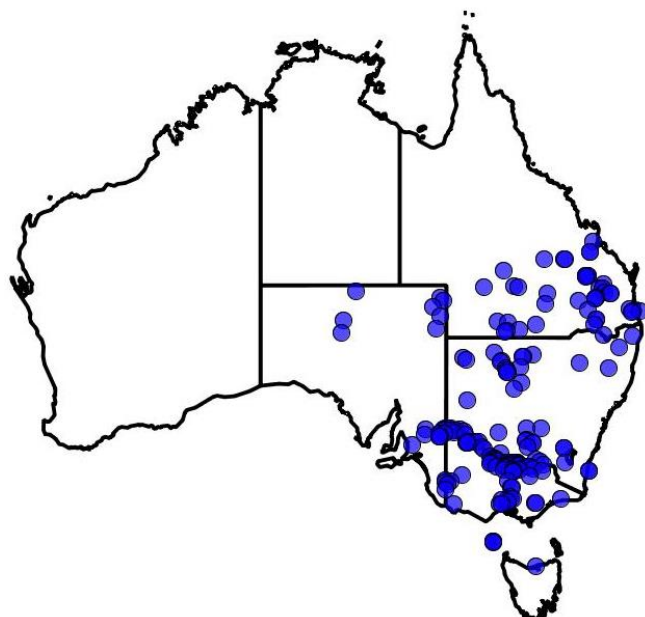
Survey Time and Habitat Guide (*black = best, dark grey = possible, light grey with slash=poor time to survey, as guided by collection dates of specimens and records*)

<i>Callitriche sonderi</i>	Spring						Summer				Autumn				Winter									
matted waterstarwort	S	S	O	O	N	N	D	D	J	J	F	F	M	M	A	A	M	M	J	J	J	J	A	A

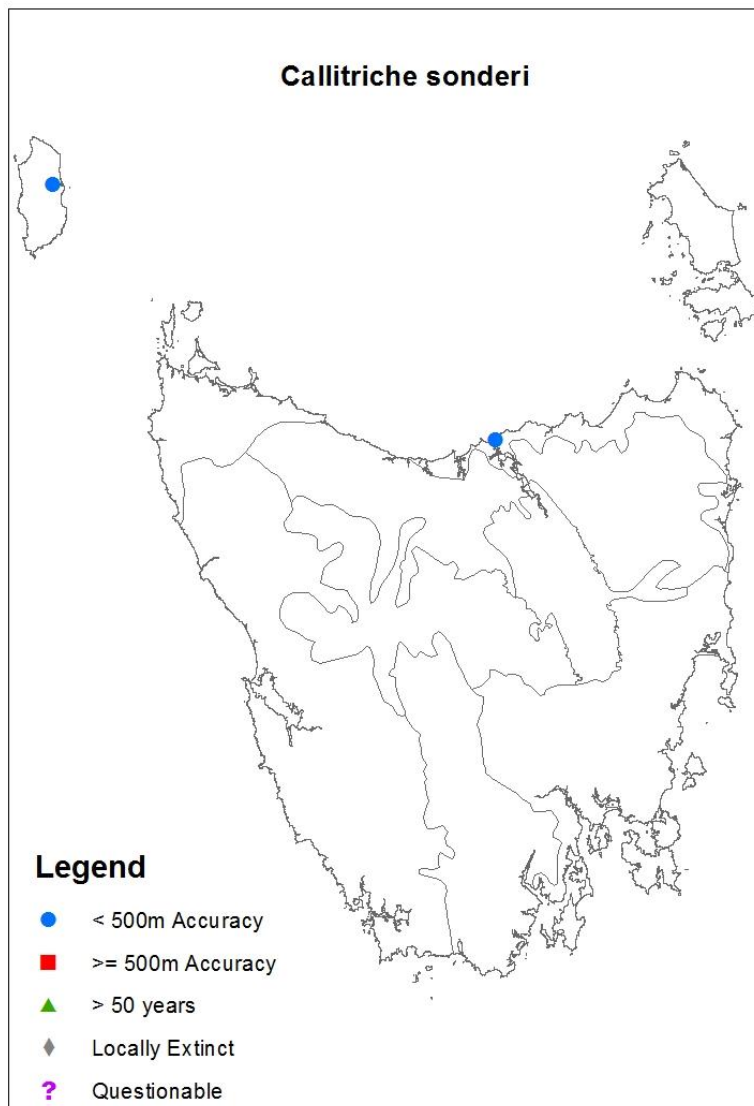
- This annual or perennial herb has a creeping or floating habit and soft opposite leaves. Its flowers are small and unisexual and appear from September to December. Fertile material is required to separate the species from other *Callitriche* species. The only two Tasmanian herbarium specimens collected from the wild were collected in early January and early February.
- This semi-aquatic species generally occurs on river flood plains or other places subject to periodic inundation. In Tasmania it is only known from the Sea Elephant River on King Island and the shore of a dry lagoon near Low Head.

Distribution

(Atlas of Living Australia 20/9/2016)



Tasmanian Distribution
(Natural Values Atlas May 2015)



Cite as:

Threatened Species Section (2016). *Notesheet for Callitriche sonderi (matted waterstarwort)*. Department of Primary Industries, Parks, Water and Environment, Tasmania.

View

<http://www.dpipwe.tas.gov.au/threatenedspecieslists>

Contact details

Threatened Species Section, Department of Primary Industries, Parks, Water and Environment, GPO Box 44, Hobart, Tasmania, Australia, 7001. Phone (03) 6165 4340.

Permit

It is an offence to collect, disturb, damage or destroy this species unless under permit.