

Calystegia soldanella



Calystegia soldanella. Photo: T. Rudman.

FAMILY: CONVOLVULACEAE

BOTANICAL NAME: *Calystegia soldanella*, (L.) Roem. & Schult., *Syst. Veg.*, ed. 15 bis [Roemer & Schultes] 4: 184 (1819)

COMMON NAME: sea bindweed

COMMONWEALTH STATUS: (EPBC Act) Not Listed

TASMANIAN STATUS: (TSP Act) rare

Description

A trailing or twining perennial herb with slender, branched underground stems (rhizomes). **Leaves:** The leaves are kidney or heart-shaped and between 2-5 cm wide. They are somewhat fleshy and the stalk is longer than the blade. The upper leaf surface is shiny and deeply veined. **Flowers:** The flowers are showy, funnel-shaped and white with pale pink or purple and a yellow centre. They are between 3-5 cm long. Flowering occurs in summer. **Fruit:** The fruit is a capsule (description from Clarke & Carolin 1991, Curtis 1967). Herbarium specimens have been collected in November and December.

Ecology and Management

Calystegia soldanella is a transient species that is dispersed by ocean currents along the coast (S. Harris pers. comm.). Propagation is both vegetative (by runners and suckers) and by seeds. The species is able to cope with dry, sandy conditions, heavy salt loads, and trampling disturbance (e.g. at Mayfield Beach car park).

Conservation Status Assessment

Calystegia soldanella may warrant uplisting because of the low number of recorded locations though more information may be required for a meaningful reassessment.

Further Information

- Clarke, P & Corolin R 1991, *Beach Plants of South Eastern Australia*, Sainty & Associates, Sydney.
- Curtis, WM 1967, *The Student's Flora of Tasmania*, Part 3, Government Printer, Hobart.



Calystegia soldanella. Photo: T. Rudman.

Preceding text last modified 6/12/2006.

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*)

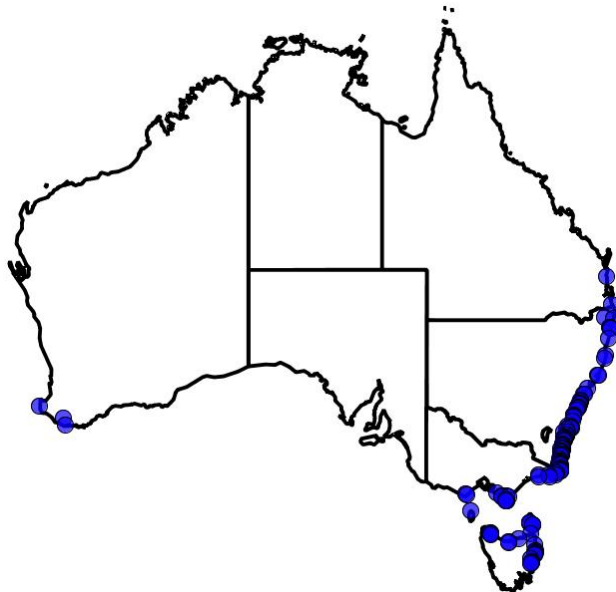
<i>Calystegia soldanella</i>	Spring	Summer	Autumn	Winter
sea bindweed	S S O O N N D D J J F F M M A A M M J J J J A A			

- This trailing or twining perennial herb flowers over summer though observations of the species have been made throughout most of the year due to its distinctive growth habitat and leaves.
- In Tasmania, *Calystegia soldanella* is recorded from coastal sands. It has also been found growing in granite soils and grazed coastal grasslands

Distribution

Calystegia soldanella is a cosmopolitan species found on coastlines around the world.

(Atlas of Living Australia 15/9/2016)

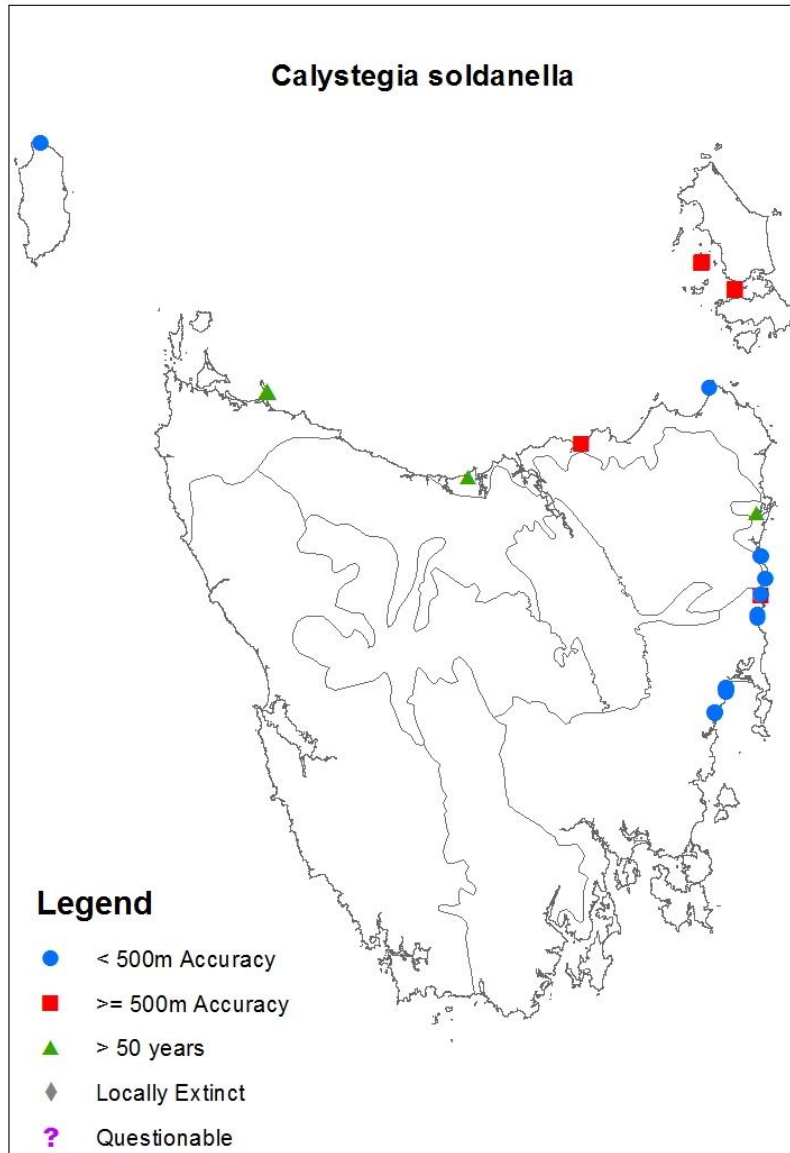


Known Reserves

Reserved in Denison Rivulet Conservation Area, East Kangaroo Island Nature Reserve, Mayfield Bay Conservation Area, Andersons Islands Conservation Area, Cape Portland Conservation Area, Cape Wickham Conservation Area, Coswell Beach Conservation Area, Four Mile Creek Conservation Area and the Swansea Conservation Area. It also occurs on one private property in an area covered by a conservation covenant under the *Tasmanian Nature Conservation Act 2002*.

Tasmanian Distribution

(Natural Values Atlas May 2015)



Cite as:

Threatened Species Section (2016). *Notesheet for Calystegia soldanella (sea bindweed)*. 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.