

## SPECIES MANAGEMENT PROFILE

*Boronia hemichiton* mt arthur boronia

**Group:** Magnoliophyta (flowering plants), Magnoliopsida (dicots), Sapindales, Rutaceae

**Status:** *Threatened Species Protection Act 1995:* **endangered**  
*Environment Protection and Biodiversity Conservation Act 1999:* Vulnerable

**Endemic:** Found only in Tasmania

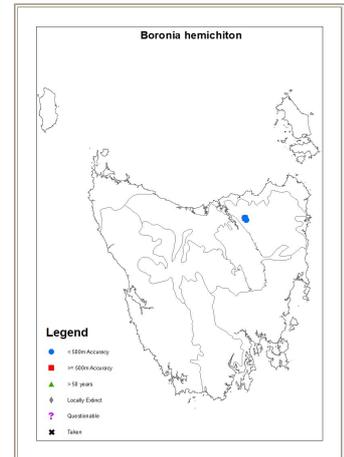
**Status:**



*Boronia hemichiton* (mt arthur boronia) is an aromatic woody shrub that occurs in wet heath/scrub and is only known from the western flanks of Mount Arthur in northeast Tasmania. The species has a linear range of 3.9 km, and the total number of mature individuals is estimated to be fewer than 2,500, its highly restricted distribution making it susceptible to extinction from chance events. The species is at risk from inappropriate fire regimes and impacts of climate change that may reduce the potential for recruitment from the soil seed store. Predation of seed by insects is likely an issue for the species (as it is with the closely related *Boronia hippopala*), and may increase with outbreaks associated with changed environmental conditions. Planning considerations will alleviate potential indirect impacts from adjacent forestry activities and the species will also benefit from proposed forest reserves.

### Key Points

- Important:** Is this species in your area? Do you need a permit? Ensure you've covered all the issues by checking the Planning Ahead page.
- Important:** Different threatened species may have different requirements. For any activity you are considering, read the Activity Advice pages for background information and important advice about managing around the needs of multiple threatened species.



### Surveying

Key	Survey reliability more info
M	Best time to survey
M	Potential time to survey
M	Poor time to survey
M	Non-survey period

To ensure you follow the law - check whether your survey requires a permit. Always report any new records to the Natural Values Atlas, or send the information direct to the Threatened Species Section. Refer to the Activity Advice: Surveying page for background information.

<i>Boronia hemichiton</i>	Spring		Summer				Autumn				Winter													
mt arthur boronia	S	S	O	O	N	N	D	D	J	J	F	F	M	M	A	A	M	M	J	J	J	J	A	A

- Flowering of this shrub has been observed from October to January. The species can be identified at any time of the year using leaf characteristics though intergradation with *Boronia hippopala* can confuse identification.
- The species grows in wet heath or scrub with species like *Callistemon viridiflorus*, species of *Melaleuca*, *Leptospermum*, and *Gahnia*, usually with scattered emergent eucalypts (*Eucalyptus gunnii* or *Eucalyptus ovata*), with the occasional plant at the scrub margins within *Eucalyptus delegatensis* forest. The underlying substrate is alluvium over Jurassic dolerite.

### Further information

Check also for listing statement or notesheet pdf above (below the species image).

**Cite as:** Threatened Species Section (2021). *Boronia hemichiton* (mt arthur boronia): *Species Management Profile for Tasmania's Threatened Species Link*. <https://www.threatenedspecieslink.tas.gov.au/Pages/Boronia-hemichiton.aspx>. Department of Primary Industries, Parks, Water and Environment, Tasmania. Accessed on 9/12/2021.

**Contact details:** Threatened Species Section, Department of Primary Industries, Parks, Water and Environment, GPO Box 44, Hobart, Tasmania, Australia, 7001. Phone (1300 368 550).

**Permit:** A permit is required under the Tasmanian *Threatened Species Protection Act 1995* to 'take' (which includes kill, injure, catch, damage, destroy and collect), keep, trade in or process any specimen or products of a listed species. Additional permits may also be required under other Acts or regulations to take, disturb or interfere with any form of wildlife or its products, (e.g. dens, nests, bones). This may also depend on the tenure of the land and other agreements relating to its management.