

Vittadinia muelleri & *Vittadinia burbridgeae*



Vittadinia muelleri (broad sense)
H&A Wapstra.

FAMILY: ASTERACEAE

BOTANICAL NAME: *Vittadinia muelleri* (sensu lato), N.Burb., *Proc. Linn. Soc. N.S.W.* 93: 440 fig.1D (1969)

COMMON NAME: narrowleaf new-holland-daisy for *Vittadinia muelleri* and smooth new-holland-daisy for *Vittadinia burbridgeae*

COMMONWEALTH STATUS: (EPBC Act)
Not Listed

TASMANIAN STATUS: (TSP Act) *Vittadinia burbridgeae* and *Vittadinia muelleri* (sensu stricto) were listed as rare in their own right in April 2016 in lieu of the original listing of *Vittadinia muelleri* (broad sense).

Description (*Vittadinia muelleri* broad sense)

A tufted perennial herb between 12-15 cm tall. **Leaves:** The leaves are three lobed and almost hairless. **Flowers:** The flowers are small and mauve in colour with a yellow centre. Flowering is predominantly from November to May (Flora of Victoria). **Fruit:** The fruit is small, dry and leathery with a sparse covering of hairs and thickened margins. The pappus (ring of scales or hairs found on top of fruit) consists of barbed bristles. Herbarium specimens have been collected from September to March. **Confusing species:** This species is distinguished from *Vittadinia gracilis* and *Vittadinia cuneata* by its deeper mauve flowers and almost hairless leaves (description from Kirkpatrick *et al.* 1988). **Since listing, this species was split into *Vittadinia burbridgeae* (a Tasmanian endemic) and *Vittadinia muelleri* (sensu stricto or narrow sense) (Gray & Rozefelds 2005). The parent taxon is often referred to as *Vittadinia muelleri* (broad sense or sensu lato).**

Distribution and Habitat

On the mainland *Vittadinia muelleri* (broad sense) occurs in New South Wales, Victoria and Queensland. In Tasmania, this species is known from the driest and most fertile soils in the Hobart area and extending up into the Midlands (Kirkpatrick *et al.* 1988).

Key Sites and Populations

Key sites include Waterworks Road quarry, Gordons Hill (Hobart), Township Lagoon (Tunbridge), Avoca, Mona Vale, New Norfolk, Queens Domain (Hobart), Mt Nelson, Midlands Highway near Perth, Bridgewater, Crow Hill, Tea Tree, Hamilton Plains, Richmond, Ross, Hobart Airport, Bagdad Primary School and Broadmarsh Road.

Known Reserves

Reserved in the Rosny Hill Nature Recreation Area and the Township Lagoon Nature Reserve.

Ecology and Management

Vittadinia muelleri (broad sense) is threatened by grazing, however construction of quarries and tracks (which create bare ground) are beneficial due to a reduction in competition (TPLUC 1996).

Insects are the most likely pollination vector for this species (A. Hingston pers. comm.).

Conservation Status Assessment

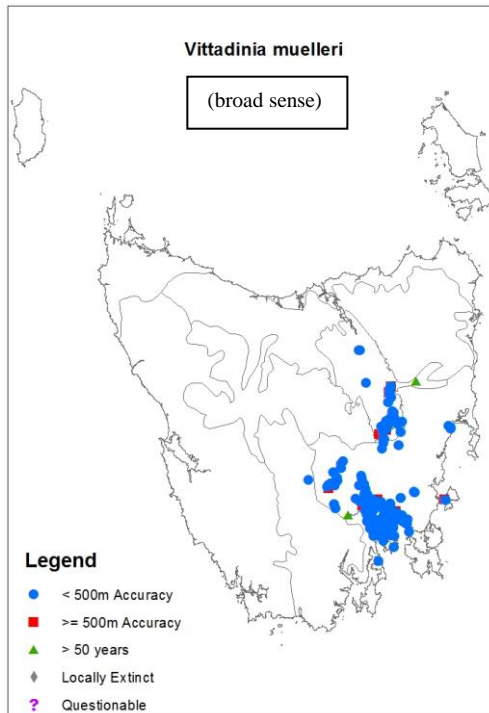
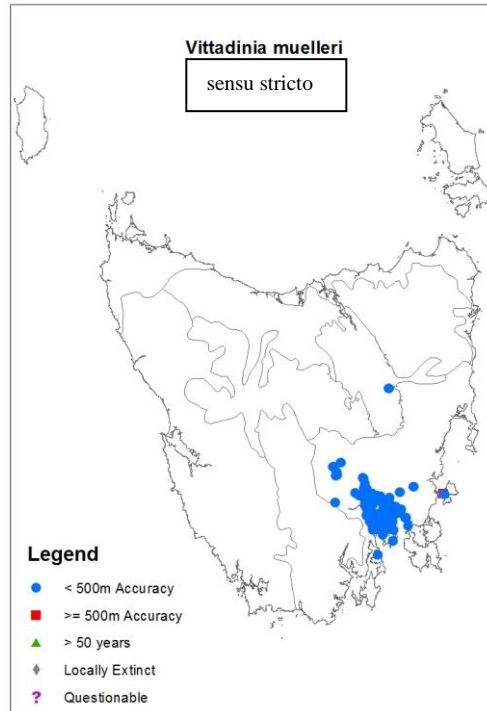
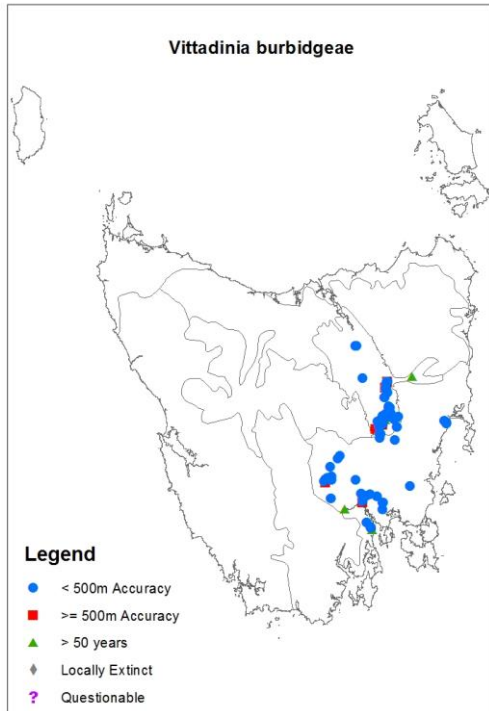
The components of *Vittadinia muelleri* (broad sense) that were described since listing, *Vittadinia burbridgeae* and *Vittadinia muelleri* (sensu stricto), were listed as rare in their own right on schedules of the *Threatened Species Protection Act 1995* in April 2016.

Further Information

- Gray, AM & Rozefelds, A 2005, A revision of the species of *Vittadinia* (Asteraceae) in Tasmania. *Kununnah* 1: 1–16.
- Kirkpatrick, JB, Gilfedder L & Fensham RJ 1988, *City Parks and Cemeteries: Tasmania's Remnant Grasslands and Grassy Woodlands*, Tasmanian Conservation Trust, Hobart.
- Tasmanian Public Land Use Commission 1996, *Environment & Heritage Report Vol IV, Background Report*, Part C, Tasmanian Commonwealth Regional Forest Agreement, Hobart.
- Tremont, RM 1995, The phenologies of six native forbs (*Aphanes australiana*, *Isoetopsis graminifolia*, *Triptilodiscus pygmaeus*, *Hypericum gramineum*, *Solenogyne dominii* and *Vittadinia muelleri*) occurring in grazed grassy communities on the Northern Tablelands of New South Wales', *Cunninghamia* Vol.4(1).

Tasmanian Distribution (showing IBRA bioregions)

(As per Threatened Species Section records, May 2015)



Vittadinia muelleri (broad sense) comprising *Vittadinia muelleri* (sensu stricto)
& *Vittadinia burbridgeae*

Date last modified: 28/2/2017

View

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

Contact details

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Permit

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