

# *Vittadinia muelleri* and *Vittadinia burbridgeae*



*Vittadinia muelleri*. H&A Wapstra.

**FAMILY:** ASTERACEAE

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

**COMMON NAME:** Narrow leaf New Holland  
daisy

**COMMONWEALTH STATUS:** (*EPBC Act*)  
Not Listed

**TASMANIAN STATUS:** (*TSP Act*) rare with  
components *Vittadinia burbridgeae* and  
*Vittadinia muelleri* (sensu stricto) in the process  
of being listed as rare in their own right.

## Description

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* and *Vittadinia muelleri* (sensu stricto or narrow sense) (Gray & Rozefelds 2005). The parent taxon is often referred to as *Vittadinia muelleri* (broad sense).**

## Distribution and Habitat

On the mainland this species occurs in New South Wales, Victoria and Queensland. In Tasmania, *Vittadinia muelleri* 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**

This species 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.).

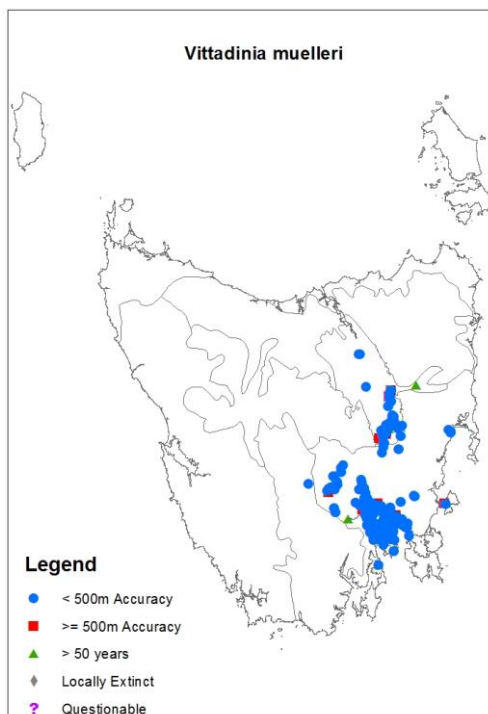
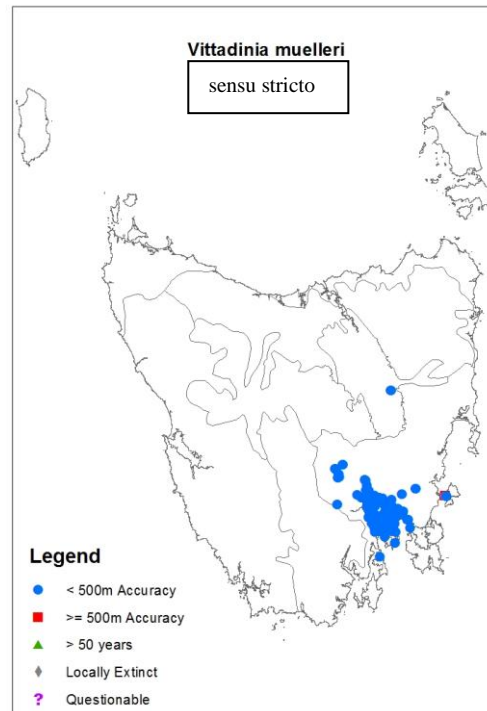
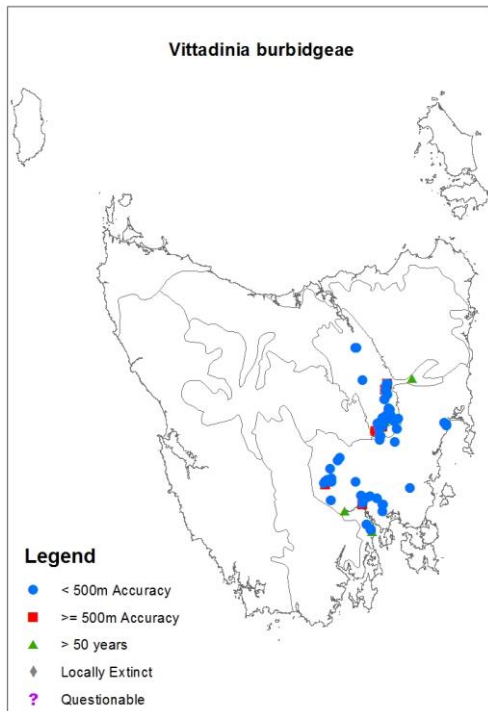
### **Conservation Status Assessment**

The components of *Vittadinia muelleri* that were described since listing, *Vittadinia burbridgeae* and *Vittadinia muelleri* (sensu stricto) are in the process of being listed as rare in their own right on schedules of the *Threatened Species Protection Act 1995* in 2015.

### **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)



Date last modified: 12/11/2015

**View**

<http://www.dpiwe.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) 61654340.

**Permit**

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