

Persoonia muelleri subsp. *angustifolia*



Persoonia muelleri subsp. *angustifolia*
Tasmanian Herbarium specimen.

FAMILY: PROTEACEAE

BOTANICAL NAME: *Persoonia muelleri*
subsp. *angustifolia*, ((Benth.) L.A.S.Johnson
& P.H.Weston, *Fl. Australia* 16: 472 (1995)

COMMON NAME: Mueller's geebung

COMMONWEALTH STATUS: (*EPBC Act*)
Not Listed

TASMANIAN STATUS: (*TSP Act*) rare

Description

This species grows as an erect shrub to 4 metres and has a covering of greyish or tawny hairs. The young branchlets are moderately to densely hairy. **Leaves:** The leaves are nearly erect, moderately to densely hairy when immature and moderately so when mature. They are narrow and sometimes the top part of the leaf can be broader than the base. The leaves are also flat to curved and have margins that are bent backwards, measuring between 3-6 cm long and 3-7 mm wide. **Flowers:** The flowers usually have scale leaves. The individual flower parts are between 15-19 mm long, yellow to cream, pointed at the tip and moderately hairy on the outside. The flower stalks are between 3-5.5 mm long and erect to spreading with a dense covering of hairs. This species flowers between January and March. **Fruit:** The fruit is fleshy (description from *Flora of Australia* 1995). Most herbarium specimens have been collected from November to April. **This species was previously known as *Persoonia muelleri* var. *angustifolia***

Distribution and Habitat

Persoonia muelleri subsp. *angustifolia* is endemic to Tasmania and can be found predominantly in the west of the State. This species grows in rainforest to dense scrub and perhaps, sub-alpine heath in a variety of sedimentary and metamorphic substrata. It typically is found at the ecotone between dry scrub and rainforest, particularly where high light levels occur on the ground due to a shorter and more open scrub. Found from 50 to 700 metres altitude (*Flora of Australia* 1995).

Key Sites and Populations

Key sites include Macquarie Harbour, the base of Mount Counsel, Monpeelyata Canal Road (north of Lake Echo), Mt. Hazelton (Norfolk Range), Zig Zag Hill (near Mt. Sedgwick), headwaters of Little Donaldson River, Mount Bertha, Neasey Creek, Lake Margaret, Long Plains (Savage River), Southern Bathurst Range (Cox Bight), Adamsons Peak Track, Basin Lake (Hamilton Moraine), headwaters of Swift Creek, summit of South Cape Range, Pyramid Mountain, Commonwealth Hill near Renison Bell, Collingwood River, Sassy Creek and the east end of Lake Vera on the Frenchmans Cap Track.

Known Reserves

Reserved in the Arthur-Pieman Conservation Area, Cradle Mountain-Lake St Clair National Park, Drys Bluff Forest Reserve, Franklin-Gordon Wild Rivers National Park, Great Western Tiers Conservation Area, Quamby Bluff Forest Reserve, Southwest Conservation Area, Southwest National Park, Tyndall Regional Reserve and the West Coast Range Regional Reserve.

Ecology and Management

Available abundance data suggests that the species is generally uncommon where recorded. Some occurrences are at risk from mining operations.

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

Conservation Status Assessment

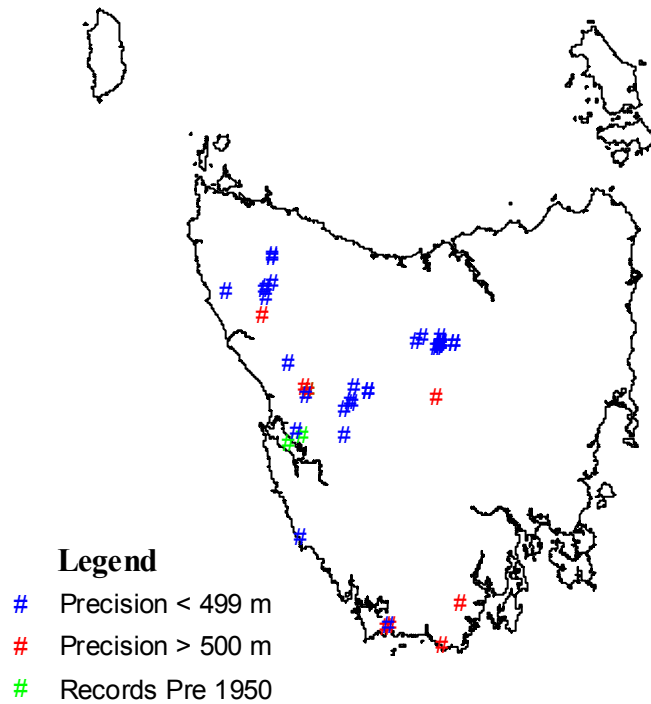
There is no immediate need for reassessment of *Persoonia muelleri* subsp. *angustifolia*.

Further Information

- Flora of Australia 1995, *Volume 16: Elaginaceae-Proteaceae 1*. CSIRO Australia, Melbourne.

Tasmanian Distribution

(As per Threatened Species Unit records, June 2003)



1:25 000 Map Sheets

Bertha, Collingwood, Cox, Dome, Donaldson, Dundas, Gormanston, Goulds, Holder, Lake Mackenzie, Liffey, Lily, Louisa, Monpeelyata, Oceana, Olympus, Philips, Prion, Quamby Bluff, Raminea, Savage River, Teepookana, Tyndall, Vera, Veridian.

Date last modified: 19/04/04, name change updated 18/6/10