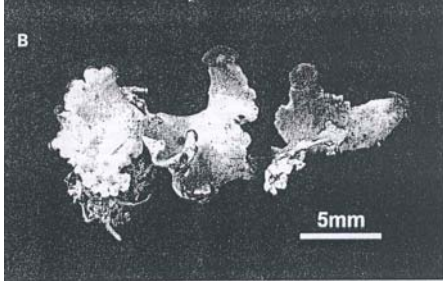


Calycidium polycarpum



Calycidium polycarpum.
From Wedin 2002.

FAMILY: CALYCIDIACEAE

BOTANICAL NAME: *Calycidium polycarpum*,
(Colenso)Wedin, *Lichenologist* 34:1 (2002)

COMMON NAME: Lichen

COMMONWEALTH STATUS: (*EPBC Act*) Not Listed

TASMANIAN STATUS: (*TSP Act*) rare

Description

A small, leafy lichen with erect lobes between 4-10 mm wide and up to 15 mm long. It has a green to greyish or yellowish green upper surface and a whitish lower surface. The fruiting bodies are dark brown and irregularly spherical to elliptical in shape. The spores are brownish in colour and measure approximately 4-7 x 4.5-6 micrometres.

Confusing species: This species is distinguished from *Calycidium cuneatum* by the fruiting bodies on the margin of the lobes and the presence of several chemical substances classed as xanthenes (reacting UV + orange). *Calycidium polycarpum* also tends to be more robust than *Calycidium cuneatum* (description from Kantvilas 2005; based on Wedin 2002).

Distribution and Habitat

Calycidium polycarpum is known only from New Zealand, Southern America and Tasmania. The distribution of this species in Tasmania is restricted to one locality, a mature *Nothofagus cunninghamii* tree in well-formed callidendrous rainforest along the Western Explorer Road, south of the Pieman River (Kantvilas 2005):

Key Sites and Populations

The key site for *Calycidium polycarpum* is listed above.

Known Reserves

This species is not known from any reserve.

Ecology and Management

Calycidium polycarpum has been recorded outside of any formal reserve and appears restricted to a single tree; therefore the lichen is subject to stochastic risks. Although there is no direct threat from commercial operations, it is possible that the tree supporting the only known population of *Calycidium polycarpum* is at risk from road-widening, vandalism, disease or wind-throw (Kantvilas 2005).

Conservation Status Assessment

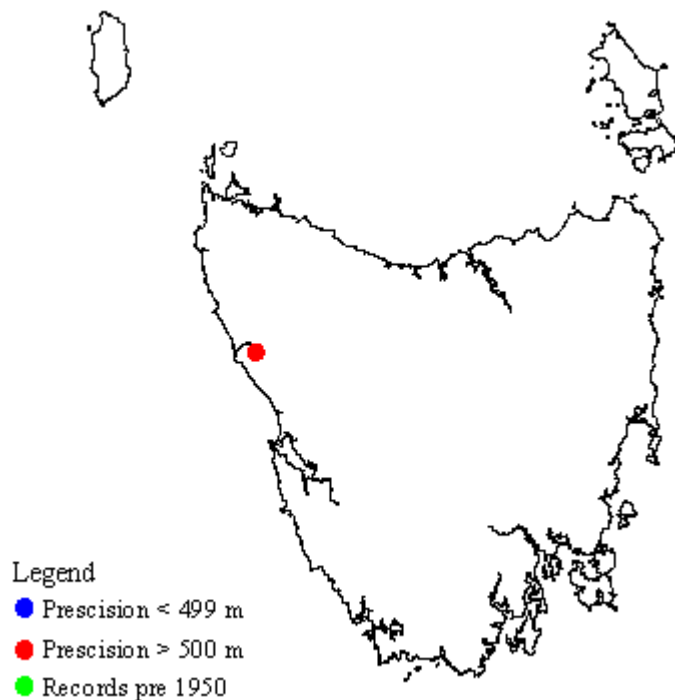
Despite more than twenty years of targeted rainforest lichen research across a wide range of localities, this species has been found only once. *Calycidium polycarpum* was listed as rare under the Tasmanian *Threatened Species Protection Act 1995* in April 2005.

Further Information

- Kantvilas, G 2005. *Calycidium polycarpum: Nomination for Listing or De-Listing of a Taxon of Flora or Fauna*. Threatened Species Scientific Advisory Committee, Hobart, Tasmania.
- Kantvilas, G 2000. Additional lichen records from Australia 45: the lichen family Calycidiaceae discovered in Tasmania. *Australian Lichenologist*, 47.
- Wedin, M 2002. The genus *Calycidium*. *Lichenologist*, 34:1, 63-69.

Tasmanian Distribution

(As per Threatened Species Unit records, April 2005)



1:25 000 Map Sheets

Livingstone.

Date last modified: 07/05/2005