

Pseudocyphellaria pubescens

BIOSTATUS

Native – Endemic taxon

CURRENT CONSERVATION STATUS

2018 | Not Threatened

CATEGORY

Lichen

STRUCTURAL CLASS

Lichens - Foliose

LICHEN SUBSTRATE

Corticolous (bark, wood)

DETAILED DESCRIPTION

Thallus rather loosely attached, 5-15(-25) cm diam., ± orbicular, rosetteforming to spreading. **Lobes** rather thick, elongate-lacinate, to 10 mm wide, subdichotomously branching, margins entire or variously notched or incised, ± sinuous, distinctly thickened, conspicuously white-pubescent, without soredia, isidia or phyllidia. **Upper surface** bright lettuce-green when wet, pale yellowish-brown or buff when dry, smooth, coriaceous, ± distinctly reticulate-faveolate, ridges low, smooth, slightly scabrid centrally, ± pubescent or short, white-tomentose marginally and often also laminally, tomentum often abraded in patches, without soredia, isidia or pseudocyphellae. **Medulla** white. **Photobiont** green. **Lower surface** densely tomentose to margins, pale buff marginally, dark brown centrally. **Pseudocyphellae** yellow, conspicuous, large. **Apothecia** marginal or submarginal, subpedicellate, to 8 mm diam., disc shallowly concave, matt, black, with a fine, grey-white pruina in young fruits, margins pale flesh-coloured, entire at first, becoming distinctly incised-coronate, thalline exciple coarsely verrucose-areolate. **Ascospores** brown, 1-septate, $20-35 \times 5-8(-10) \mu\text{m}$.

Chemistry: Methyl evernate (tr.), tenuiorin (major), methyl lecanorate (tr.), methyl gyrophorate, gyrophoric acid (tr.), hopane-15 α ,22-diol, hopane-6 α ,7 β ,22-triol, norstictic (tr.), salazinic(tr.), stictic (major), cryptostictic (tr.), menegazziac (tr.) and constictic (minor) acids and traces of pulvinic acid, pulvinic dilactone and calycin.

SUBSTRATE DETAILS

Corticolous

GENUS

Pseudocyphellaria

FAMILY

Peltigeraceae

AUTHORITY

Pseudocyphellaria pubescens (Müll.Arg.) D.J.Galloway & P.James

SYNONYMS

Lobaria pubescens, Sticta grandis, Sticta muelleriana, Sticta pubescens

ENDEMIC TAXON

Yes



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Underside. Photographer: Marley Ford, Licence: CC BY-NC.

ENDEMIC GENUS

No

ENDEMIC FAMILY

No

NVS CODE

PSEPUB

REFERENCES AND FURTHER READING

Galloway D.J. 1985: *Flora of New Zealand: Lichens*. Wellington: PD Hasselberg, Government Printer. 662 pp.
Galloway D.J. 2007: *Flora of New Zealand: Lichens, including lichen-forming and lichenicolous fungi*. 2nd edition. Lincoln, Manaaki Whenua Press. 2261 pp.

ATTRIBUTION

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MORE INFORMATION

<https://www.nzpcn.org.nz/flora/species/pseudocyphellaria-pubescens/>

PDF DATE

25 May 2026