

Pseudocyphellaria carpoloma

COMMON NAMES

Seaweed lichen

BIOSTATUS

Native

CURRENT CONSERVATION STATUS

2018 | Not Threatened | Qualifiers: SO

CATEGORY

Lichen

STRUCTURAL CLASS

Lichens - Foliose

LICHEN SUBSTRATES

Corticolous (bark, wood), Saxicolous (rock)

DETAILED DESCRIPTION

Thallus spreading, 5-12(-20) cm diam., loosely to closely attached. **Lobes** laciniate-elongate from centre, 8-15 mm wide, ± dichotomously branching then 4-7 mm wide, apices blunt or pointed, often furcate, 2-3 mm wide, sometimes ± imbricate, rosette-forming, margins entire, sinuous, thickened, with conspicuous pock-like or slightly elongate yellow pseudocyphellae. **Upper surface** bright green or glaucous green, suffused brownish when wet, pale greyishgreen or greyish-blue tinged brownish when dry, brownish centrally and at lobe apices, ± densely reticulate-faveolate, smooth, matt or glossy. Medulla white. Photobiont green. **Lower surface** densely wrinkled-bullate, pale buff, glabrous at margins, densely brown to black-tomentose centrally. Pseudocyphellae yellow, scattered, ± numerous, fleck-like at margins, very small, 0.1 mm diam., slightly larger and ± verruciform centrally. **Apothecia** sparse to frequent, sessile to subpedicellate, 1-2 mm diam., disc black or brown-black, smooth, matt, epruinose, concave to plane or convex, margins entire, pale, ± pubescent at first, obscuring disc when young, becoming excluded with age, thalline exciple smooth, pale, ± white-pubescent.

Ascospores 1-septate, brown (21-)25-28 × 7-10 µm.

Chemistry: Methyl evernate, tenuiorin, methyl lecanorate, methyl gyrophorate, evernic acid (tr.), gyrophoric acid (tr.), hopane-7β,22-diol, hopane 6α,7β,22-triol, 7β-acetoxypopan-6α-22-diol (tr.), 6α-acetoxypopan-7β,22-diol (tr.), norstictic (tr.), stictic, cryptostictic, and constictic acids, pulvinic acid, pulvinic dilactone and calycin.

SUBSTRATE DETAILS

Corticolous (bark and canopy twigs), sometimes saxicolous (on rock)

GENUS

Pseudocyphellaria

FAMILY

Peltigeraceae

AUTHORITY

Pseudocyphellaria carpoloma (Delise) Vain.

SYNONYMS

Pseudocyphellaria sericeofulva D.J.Galloway



Corticolous in dry state. Photographer: Marley Ford, Licence: CC BY-NC.



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

ENDEMIC TAXON

No

ENDEMIC GENUS

No

ENDEMIC FAMILY

No

NVS CODE

PSECAR

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.
- Taylor M., Bieleski R.L. and Allan H.H. 2002: Meanings and origins of botanical names of New Zealand plants. *Auckland Botanical Society Bulletin* 26.

ATTRIBUTION

Some of this factsheet information is derived from [Biota of New Zealand](#) and is used under a [Creative Commons Attribution 4.0 International](#) licence.

MORE INFORMATION

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

PDF DATE

25 May 2026