Pseudocyphellaria fimbriatoides

BIOSTATUS
Native – Endemic taxon

CURRENT CONSERVATION STATUS
2018 | Not Threatened

CATEGORY
Lichen

STRUCTURAL CLASS
Lichens - Foliose

LICHEN SUBSTRATES
Saxicolous (rock), Terricolous (soil), Corticolous (bark, wood)

DETAILED DESCRIPTION
Thallus closely attached, irregularly spreading 5-10(-15) cm diam. **Lobes** very variable, broadly elongate (1 × 5 cm) ± contiguous or discrete to short, rounded, 2-8 mm diam., and ± imbricate, margins slightly thickened, sinuous, notched or incised, to ± densely denticulate-phyllidiate. **Phyllidia** marginal, lobulate, simple to coralloid, delicately white-pubescent. **Upper surface** undulate, dark slate-grey-blue when wet, pale greyish-fawn when dry, smooth, shining or matt, coriaceous, not reticulate-faveolate or areolate-scabrid, without maculae, soredia, isidia or pseudocyphellae. **Medulla** white. **Photobiont** blue-green. **Lower surface** whitish to pale buff and ± glabrous at margins, darkening to ± blackened centrally, tomentose centrally. Tomentum thick, white or buff. **Pseudocyphellae** white, prominent, fleck-like at margins, ± convex centrally, 0.05-0.2 mm diam., scattered, rather sparse to moderately common. **Apothecia** sessile to subpedicellate, rare, laminal or submarginal, sparse to moderately abundant in some collections, concave to plane, disc red-brown to dark brown, shining, epruinose, 0.2-1.5 mm diam., margins pale flesh-coloured, entire to subcrenate, verrucose-scabrid, persistent, often obscuring disc in young fruits. **Ascospores** uniseriate or biseriate, colourless to pale yellowish-brown, 1-3-septate, ellipsoid, with pointed ends, 20.4-27.2 × 6.8-8.3 µm.
Chemistry: 7β-acetoxyhopane-22-ol, hopane-7β, 22-diol (tr.), hopane-15α,22-diol.



Hinewai Reserve, Banks Peninsula. Photographer: Melissa Hutchison, Date taken: 19/10/2019, Licence: CC BY-NC.



Nikau Palm Gully Reserve, Banks Peninsula. Photographer: Melissa Hutchison, Date taken: 20/10/2019, Licence: CC BY-NC.

SUBSTRATE DETAILS
Saxicolous, terricolous (damp rocks and soil), corticolous (base of tree trunks)

GENUS
Pseudocyphellaria

FAMILY
Peltigeraceae

AUTHORITY
Pseudocyphellaria fimbriatoides D.J.Galloway & P.James

SYNONYMS
Pseudocyphellaria hamatoides, Stictina fragillima var. myrioloba, Sticta fragillima var. myrioloba

ENDEMIC TAXON
Yes

ENDEMIC GENUS
No

ENDEMIC FAMILY
No

NVS CODE
PSEFIM

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
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-fimbriatoides/

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