

Nephroma cellulorum var. cellulorum

SYNONYMS

Peltidea cellulorum

FAMILY

Nephromataceae

AUTHORITY

Nephroma cellulorum var. *cellulosum* (Ach.) Ach.

FLORA CATEGORY

Lichen – Native

ENDEMIC TAXON

No

ENDEMIC GENUS

No

ENDEMIC FAMILY

No

STRUCTURAL CLASS

Lichens - Foliose

CURRENT CONSERVATION STATUS

2018 | Not Threatened | Qualifiers: SO

BRIEF DESCRIPTION

Characterised by the corticolous habit; the strongly scrobiculate, faveolate-impressed upper surface; and the bullate lower surface, whitish and shining at margins. The dark reddish brown to greyish colour of the upper cortex can make it difficult to find in shaded forest interiors where it often grows, and no doubt its range is wider than that recorded below.

DISTRIBUTION

North Island: South Auckland (King Country). **South Island:** Nelson (Lake Rotoiti, Maruia Valley); Westland (Kelly's Creek); Canterbury (Boyle River, Hanmer, Arthur's Pass, Banks Peninsula); Otago (Matukituki Valley, Kaka Point).

Also in southern Chile, Argentina, SE Australia and Tasmania.

HABITAT

On trees, shrubs and mossy boulders in shaded, humid habitats. Often locally common on *Leptospermum* bark.

DETAILED DESCRIPTION

Thallus orbicular to spreading, 5-15 cm diam., corticolous or muscicolous. **Lobes** rounded, flattened, closely attached centrally, subsurgent apically, margins entire, rounded, sinuous. **Upper surface** markedly faveolate-reticulate, faveolae 2-3 mm wide, separated by well-defined ridges, olive-brown to reddish-brown to greyish-red or grey (shade forms), matt or shining in parts, sometimes white-maculate ($\times 10$ lens). **Lower surface** distinctly bullate, shining, creamish-buff at margins, dark grey-brown centrally, glabrous. **Apothecia** pale to dark brown, 5-10 mm broad and 2-5 mm long with a narrow, entire margin. **Ascospores** biserial, pale brownish, 2-septate, $14-20 \times 7-8 \mu\text{m}$.

Chemistry: Hopane-6 α , 22-diol (zeorin), perlatolic acid and unidentified pigments.

SIMILAR TAXA

Nephroma cellulorum var. *isidioferum* is distinguished from *N. cellulorum* var. *cellulosum* by the presence of isidia on the margins.



Blue Pools walk, Makarora. Photographer: Melissa Hutchison, Date taken: 07/10/2021, Licence: CC BY-NC.



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SUBSTRATE

Corticolous, saxicolous (mossy boulders)

ATTRIBUTION

Fact sheet prepared by Melissa Hutchison (28 December 2021). Brief description, Distribution, Habitat, and Features sections copied from Galloway (1985, 2007).

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.

MORE INFORMATION

<https://www.nzpcn.org.nz/flora/species/nephroma-cellulosum-var-cellulosum/>