

Calopadia subcoerulescens

SYNONYMS

Lopadium subcoerulescens Zahlbr., Chlorocyphella lichenicola Keissl.

FAMILY

Pilocarpaceae

AUTHORITY

Calopadia subcoerulescens (Zahlbr.) Vězda

FLORA CATEGORY

Lichen – Native

ENDEMIC TAXON

No

ENDEMIC GENUS

No

ENDEMIC FAMILY

No

STRUCTURAL CLASS

Lichens - Crustose

CURRENT CONSERVATION STATUS

2018 | Not Threatened | Qualifiers: SO

BRIEF DESCRIPTION

Characterised by the foliicolous habit; the continuous to dispersed, smooth, greenish grey to grey-white, matt or subnitid thallus without a marginal prothallus; often abundant greyish campylidia oriented in the same direction; a black apothecial disc with greyish margins; and a bluish hypothecium 40–60 µm tall.

DISTRIBUTION

North Island: Wellington (Totara Reserve Pohangina Valley, Kitchener Park Feilding, Hutt Valley). **South Island:** Canterbury (Peel Forest), Otago (Woodside Glen), Southland (Dolamore Park, Gore).

Known also from China, India, South Africa, Réunion, Indonesia, Papua New Guinea, New Caledonia, Australia (Queensland), the Dominican Republic and Mexico.

HABITAT

On leaves of *Alectryon excelsus*, *Asplenium bulbiferum*, *Beilschmiedia tawa*, *Dacrycarpus dacrydioides*, *Lophomyrtus bullata*, *Podocarpus totara*, *Pseudowintera colorata*, and *Polystichum vestitum* in lowland forest, especially at bush margins in partially shaded, humid habitats.

DETAILED DESCRIPTION

Thallus 12–22 mm diam., continuous or somewhat dispersed at periphery, smooth, greenish-grey to greyish-white, matt or slightly shining, **prothallus** lacking. **Apothecia** constricted at base, 0.3–0.5 mm diam., disc black, epruinose, plane, margins thin, grey, smooth. **Paraphyses** c. 1.5 µm thick, simple or with some few branches. **Hypothecium** bluish, 40–60 µm tall. **Asci** clavate. **Ascospores** 1 per ascus, muriform, ellipsoid, 55–80 × 13–20 µm.

SIMILAR TAXA

Similar to *Calopladia puiggarii* but with black rather than dark grey-brown to brown-black apothecia, and a bluish rather than dark-brown hypothecium, which is 40–60 µm tall rather than 10–20 µm.

Sérusiaux (1979) includes *C. subcoerulescens* within the variation of *C. puiggarii*.



Foliicolous on *Pyrrhosia eleagnifolia*.
Photographer: Marley Ford, Date taken:
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Foliicolous on *nīkau*, Coastesville Auckland.
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SUBSTRATE

Foliicolous

ATTRIBUTION

Fact sheet prepared by Marley Ford (21 January 2024). Brief description, Distribution, Habitat, Features, and Similar taxa sections copied from Galloway (1985) & Galloway (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.
- Sérusiaux E. 1979: Foliicolous lichens from southeastern United States. *Bryologist* 82: 88-93.

MORE INFORMATION

<https://www.nzpcn.org.nz/flora/species/calopadia-subcoerulescens/>