

Pertusaria subverrucosa

SYNONYMS

Pertusaria callispora Zahlbr.

FAMILY

Pertusariaceae

AUTHORITY

Pertusaria subverrucosa Nyl.

FLORA CATEGORY

Lichen – Native

ENDEMIC TAXON

Yes

STRUCTURAL CLASS

Lichens - Crustose

CURRENT CONSERVATION STATUS

2018 | Not Threatened

BRIEF DESCRIPTION

Characterised by the saxicolous habit; the yellowish-ochre to fawn or dingy-white, verrucose-areolate to wrinkled-plicate-areolate thallus; verruciform apothecia with punctiform-depressed black ostioles, 1–3 per verruca; 2-spored asci; ellipsoidal ascospores, 190–245(–280) × 45–85 µm; and norstictic acid (K+ yellow→red).

DISTRIBUTION

North Island: Wellington. **South Island:** Canterbury (Banks Peninsula), Otago (Central Otago Mountains). **Stewart Island.**

HABITAT

On rocks, both coastal and on schist in dry, ±subalpine habitats; probably more widespread than records show.

DETAILED DESCRIPTION

Thallus yellowish-ochre or fawnish or dingy-white, verrucose-areolate to wrinkled-plicate-areolate, areolae convex, separated by shallow to deep cracks, often confluent, in mosaics, 0.5–2.5 cm diam., margins plicateradiating or delimited by a thin, black, wavy line, surface matt to minutely roughened or granular-scabrid to ± wrinkled-puckered, often minutely white-maculate, saxicolous. **Fertile** verrucae with 1–3 apothecia.

Apothecia immersed, ostiole black, punctiform-depressed, minute, surrounded by a zone of pellucid tissue, often ± papillate. **Asci** 2-spored.

Ascospores ellipsoid, contents granular to hyaline, 192–247(–280) × 47–87 µm, wall 8.7–17(–22) µm thick, thickest at apices.

Chemistry: K+ yellow→red, C–, KC+ red, Pd+ orange; containing norstictic and ±connorstictic acids.

SUBSTRATE

Saxicolous

ATTRIBUTION

Fact sheet prepared by Marley Ford (16 June 2023). Information in the Brief description, Distribution, Habitat, Features, and Similar taxa sections copied from Galloway (1985, 2007).



Saxicolous on basalt rock, Cape Palliser Wairarapa. Photographer: Marley Ford, Date taken: 22/07/2022, Licence: Public domain.



Saxicolous on basalt rock, Cape Palliser Wairarapa. Photographer: Marley Ford, Date taken: 03/07/2022, Licence: Public domain.

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/pertusaria-subverrucosa/>