

Parmotrema reparatum

SYNONYMS

Canomaculina reparata, Parmelia reparata

FAMILY

Parmeliaceae

AUTHORITY

Parmotrema reparatum (Stirt.) O.Blanco, A.Crespo, Divakar, Elix & Lumbsch

FLORA CATEGORY

Lichen – Native

ENDEMIC TAXON

No

ENDEMIC GENUS

No

ENDEMIC FAMILY

No

STRUCTURAL CLASS

Lichens - Foliose

CURRENT CONSERVATION STATUS

2018 | Data Deficient | Qualifiers: SO

BRIEF DESCRIPTION

Characterised by the effigurate-maculate upper surface; dimorphic rhizines; and a chemistry of atranorin, salazinic and consalazinic acids.

DISTRIBUTION

North Island: Wairarapa (Ford, per. coms 2022). **South Island:** Canterbury (Ashburton). Recently found on the Port Hills, Christchurch and throughout the Southland region (Hutchison 2019; Hutchison & Ford, pers. comm. 2022).

Known also from East Australia.

HABITAT

On rocks and trees.

DETAILED DESCRIPTION

Thallus loosely adnate, mineral grey, coriaceous, 10–20 cm diam. **Lobes** irregularly divided, rounded at apices, broadly crenate and ciliate at margins, cilia abundant and dense, 1.5–2.5 mm long. **Upper surface** glossy, effigurate-maculate, ±cracked with age, without isidia or soredia. **Lower surface** black, except for a very narrow, brown-black apical zone, minutely wrinkled, short-rhizinate or papillate even near apices, short rhizines less than 0.1 mm long; long rhizines formed in groups, thick, to 1 mm long. **Apothecia** common, pedicellate, 10–20 mm diam., exciple rugose, effigurate-maculate; disc brown to dark-brown, perforate. Hymenium 75–85 µm tall. **Asci** 70 × 26 µm. **Ascospores** 15–18 × 6–8 µm.

Chemistry: Thallus K+ yellow; medulla K+ yellow→red, C–, KC+ red, Pd+ orange; containing atranorin, salazinic and consalazinic acids (Kurokawa 2001: 2).

SIMILAR TAXA

Parmotrema perlatum

SUBSTRATE

Corticolous, saxicolous



Port Hills, Christchurch. Photographer: Melissa Hutchison, Date taken: 19/05/2019, Licence: CC BY-NC.



Port Hills, Christchurch. Photographer: Melissa Hutchison, Date taken: 19/05/2019, Licence: CC BY-NC.

ATTRIBUTION

Fact sheet prepared by Melissa Hutchison (5 July 2021). Brief description, Distribution, Habitat and Features sections copied from Galloway (2007).

REFERENCES AND FURTHER READING

Galloway D.J. 2007: *Flora of New Zealand: Lichens, including lichen-forming and lichenicolous fungi*. 2nd edition. Lincoln, Manaaki Whenua Press. 2261 pp.

Hutchison M. 2019: iNaturalistNZ observation of *Parmotrema reparatum*.

<https://inaturalist.nz/observations/25365575>

MORE INFORMATION

<https://www.nzpcn.org.nz/flora/species/parmotrema-reparatum/>