

# Peltigera dilacerata

## SYNONYMS

*Peltigera degenii*, *Peltigera pellucida* f. *dilacerata*

## FAMILY

Peltigeraceae

## AUTHORITY

*Peltigera dilacerata* (Gyeln.) Gyeln.

## FLORA CATEGORY

Lichen – Native

## ENDEMIC TAXON

Yes

## ENDEMIC GENUS

No

## ENDEMIC FAMILY

No

## STRUCTURAL CLASS

Lichens - Foliose

## CURRENT CONSERVATION STATUS

2018 | Not Threatened

## BRIEF DESCRIPTION

Characterised by the terricolous/saxicolous habit; its narrow, whitish or buff veins, and long, simple, slender, smooth-surfaced, pale rhizines, no secondary metabolites, and thin, scattered, patches of tomentum at the apices of lobes and sometimes near young apothecia.

## DISTRIBUTION

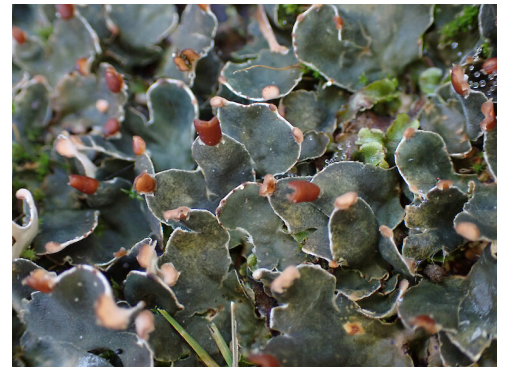
**North Island:** Northland (Panguru), Auckland (Waitakere Ranges), South Auckland (Hunua Ranges, Te Aroha, Pirongia), Taranaki (New Plymouth), Wellington (Erua, Akitio, Tararua Ranges, Orongorongo Ranges). **South Island:** Nelson (Lake Rotorua, Matakitaki Valley), Marlborough (Mt Stokes, Wairau Valley, Waihopai Valley, Hundalee), Westland (Alec's Knob, Haast Pass, Ngatau Valley), Canterbury (Hinewai Reserve Banks Peninsula, Craigieburn Range, Godley Valley, Governor's Bush, Waihi Gorge, Mt Nesson Hunters Hills), Otago (Glendhu Bluff, Manuka Gorge, Waipori Gorge, Maungatua, Dunedin, Taieri Mouth), Southland (McKinnon Pass, Eglinton Valley, Waihopai Reserve Invercargill, Te Wae Wae Bay). **Stewart Island:** (Glory Cove).

## HABITAT

On damp soil and litter and among mosses, on rotting logs and rocks in shaded habitats, in scrub, open forest, and on roadside banks, s.l. to 1000 m.



Terricolous in sprayed garden edge with *Lunularia cruciata*, Lake Tarawera Rotorua. Photographer: Marley Ford, Date taken: 24/05/2023, Licence: CC BY.



Terricolous in sprayed garden edge with *Lunularia cruciata*, Lake Tarawera Rotorua. Photographer: Marley Ford, Date taken: 24/05/2023, Licence: CC BY.

## DETAILED DESCRIPTION

**Thallus** orbicular to broadly spreading, 2–10(–15) cm diam. **Lobes** linear–elongate to subirregular, 1–3(–5) cm long, 4–10(–12) mm wide. **Margins** entire to occasionally shallowly notched or crenulate, sometimes phyllidiate, apices sometimes ±downturned, not noticeably thickened below, sometimes suffused red-brown, here and there thinly tomentose. **Upper surface** dark slatey blue-black when wet, pale bluish grey when dry, smooth to shallowly wrinkled, dimpled or undulate, matt or glossy, thinly tomentose at or near margins and apices and close to apothecial discs; tomentum, ragged, whitish or pale-buff, not thickly developed as in *P. canica*. **Lower surface** white in a broad marginal zone, darkening slightly to pale-buff towards centre, or white from margins to centre. **Veins** narrow, 0.2–0.5 mm diam., pale-buff or yellowish, to brown-black or black centrally, raised, anastomosing, surface smooth; interstices broadly polygonal or lenticular, white, fibrous or roughened, often rather thin and appearing somewhat greyish through exposure of cyanobacterial layer. **Rhizines** discrete, pale, concolorous with veins, darkening to brownish or brown-black at centre, slender, simple, smooth-surfaced, 3–8(–10) mm long. **Apothecia** erect, on short to elongated marginal stalks; discs flat to ±inrolled and saddle-shaped, 3–6 mm diam., matt, epruinose, pale to dark red-brown; margins pale-buff, corrugate–scabrid, soon excluded by disc, buff-tomentose and ±ridged below. **Ascospores** colourless, acicular, 3–7-septate, (38–)45–60(–70) × 2–3.5 µm.

**Chemistry:** TLC–, all reactions negative.

## SIMILAR TAXA

Distinguished from *P. nana* by the colour and morphology of the veins and rhizines, and the presence of scattered tomentum on lobe margins.

## SUBSTRATE

Terricolous

Previously recorded from New Zealand as *P. virescens*, *P. virsecens* var. *tasmaniae* and as *P. canina* var. *leucorhiza* and as *P. degenii*.

## ATTRIBUTION

Fact sheet prepared by Marley Ford (3 September 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.

## MORE INFORMATION

<https://www.nzpcn.org.nz/flora/species/peltigera-dilacerata/>