

# Punctelia subflava

## SYNONYMS

*Cetraria corallophora*, *Parmelia rutidota* var. *vestita*, *Parmelia subflava*, *Punctelia rudecta*

## FAMILY

Parmeliaceae

## AUTHORITY

*Punctelia subflava* (Taylor) Elix & J.Johnst.

## 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/saxicolous habit; the dorsiventral, lobulate isidia; relatively sparse pseudocyphellae on lobe margins and thalline exciple of apothecia; the pale lower surface; and lecanoric acid as major medullary constituent.

## DISTRIBUTION

**North Island:** South Auckland (Coromandel Peninsula), Wellington (National Park), Hawke's Bay (Napier, Akitio). **South Island:** Banks Peninsula to Southland, mainly coastal and lowland, extending inland E of the Main Divide to Peel Forest and the Hunter, Matukituki and Dart valleys. **Auckland Islands:** (Enderby Island). Also in S and E Australia.

## HABITAT

On decorticated wood (fence posts etc.), bark and rock, s.l. to 1000 m.



Okains Bay, Banks Peninsula. Photographer: Melissa Hutchison, Date taken: 20/02/2020, Licence: CC BY-NC.



Okains Bay, Banks Peninsula. Photographer: Melissa Hutchison, Date taken: 20/02/2020, Licence: CC BY-NC.

## DETAILED DESCRIPTION

**Thallus** spreading, closely attached 4-8(-20) cm diam., corticolous or saxicolous. **Lobes** rounded, crenate or regularly incised, dissected, somewhat crowded, margins sinuous, black, shining, isidiate. **Upper surface** smooth, shining, glossy, wrinkled, becoming ± faveolate at or near margins, wrinkled- ridged centrally, pale greenish-white or greenish-grey or pale bluish-grey, often brownish at margins, pseudocyphellae small, punctiform, mainly marginal, not becoming sorediate. Isidia flattened, lobate-squamiform, rarely terete and simple, becoming strongly dorsiventral, marginal in young lobes, spreading densely over surface of older lobes. **Lower surface** uniform pale buff or tan with a smooth, pale, naked marginal zone. **Rhizines** central, simple, pale, long, often densely developed. **Apothecia** occasional, pedicellate, to 10 mm diam., disc dark red-brown, matt, smooth, imperforate, plane to deeply concave, thalline exciple concolorous with thallus, pseudocyphellate and isidiate. **Spores** subglobose to broadly ellipsoid, 15-20 × 10-12 µm.

**Chemistry:** Cortex K+ yellow; medulla K-, C+ red, KC+ red, Pd-; containing ±atranorin, ±chloroatranorin and lecanoric acid (major).

## SIMILAR TAXA

*Punctelia subflava* is distinguished from *P. novozelandica* by the pale lower surface, and is distinguished from *P. subrudecta* by the absence of soralia.

## SUBSTRATE

Corticolous, saxicolous

## ATTRIBUTION

Fact sheet prepared by Melissa Hutchison (29 November 2021). Brief description, Distribution, Habitat, Features, and Similar taxa 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/punctelia-subflava/>