

# Punctelia borreri

## SYNONYMS

Lichen borreri

## FAMILY

Parmeliaceae

## AUTHORITY

Punctelia borreri (Sm.) Krog

## 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 (rarely saxicolous) habit; the black lower cortex; the apple-green upper cortex; pseudocyphellae that become sorediate; and by gyrophoric acid in the medulla.

## DISTRIBUTION

**North Island:** Northland to Wellington. **South Island:** Nelson to Southland. Known also from Great Britain, Europe, Scandinavia, North and South America, Hawai'i, and Australia.

## HABITAT

Mainly lowland and coastal or in urban environments, widely distributed and moderately common on bark and lignum, rarely on rock.

## DETAILED DESCRIPTION

**Thallus** orbicular, closely attached, to 10 cm diam., corticolous rarely saxicolous. **Lobes** broad (4-10 mm wide), rounded, somewhat dissected, often crowded, margins entire, sinuous. **Upper surface** greenish-grey to pale mineral grey, margins tinged brownish or sometimes white-pruinose, shining, smooth, wrinkled centrally, pseudocyphellae small, punctiform, most obvious at margins, becoming sorediate centrally. **Soralia** derived from pseudocyphellae, clustered at centre, sometimes marginal, punctiform to confluent, soredia fine, dusty, white to grey-white. **Lower surface** black, rhizinate. **Rhizines** simple, black or pale brown, numerous, to margins. **Apothecia** rare, subpedicellate, to 8 mm diam., disc brown, matt, plane, imperforate, margins entire, pseudocyphellate and becoming sorediate, thalline exciple pseudocyphellate. **Ascospores** broadly ellipsoid, 15-18 × 12-15 µm.

**Chemistry:** Cortex K+ yellow; medulla K-, C+ rose pink, KC+ rose pink, Pd-. Gyrophoric acid and atranorin.



Urban tree. Photographer: Marley Ford, Licence: CC BY-NC.



Apothecia. Photographer: Marley Ford, Licence: CC BY-NC.

### **SIMILAR TAXA**

It is distinguished from *Punctelia subrudecta*, which has a pale lower surface and lecanoric acid as the main medullary constituent.

### **SUBSTRATE**

Corticolous, rarely saxicolous

### **ATTRIBUTION**

Fact sheet prepared by Marley Ford (15 September 2021). 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.

### **MORE INFORMATION**

<https://www.nzpcn.org.nz/flora/species/punctelia-borreri/>