

# Phaeophyscia hispidula

## SYNONYMS

*Parmelia hispidula*

## FAMILY

Physciaceae

## AUTHORITY

*Phaeophyscia hispidula* (Ach.) Essl.

## 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/terricolous/saxicolous habit; the loosely adnate thallus with broadly rounded, ascending lobe apices; the conspicuous, projecting, black rhizines; and laminal (capitate) and marginal soralia.

## DISTRIBUTION

**North Island:** Northland (Whangarei), Auckland (Auckland city), South Auckland (Glenbrook), Taranaki (New Plymouth). **South Island:** Nelson (Maruia Valley), Otago (Lake Wanaka, Luggate, Dunedin), Southland (Awarua). **Stewart Island.**

Known also from Europe, North America, East and South Africa, Thailand, and Australia.

## HABITAT

On corrugated asbestos of factory roofs (fertiliser works in Whangarei, New Plymouth and Awarua), soil overlying rock, and both introduced and native trees.

## DETAILED DESCRIPTION

**Thallus** 2-4(-8) cm diam., irregularly spreading, not rosette-forming, ± loosely attached. **Lobes** irregular, 2-4 mm wide, flat to concave, ± canaliculate centrally, apices conspicuously upturned. **Upper surface** smooth, dark greenish-brown or greenish grey and in parts superficially blackened, soralia laminal, indistinctly delimited, soredia granular, greenish, often superficially blackened. **Lower surface** black, densely rhizinate. **Rhizines** simple, 1-3 mm long, projecting beyond lobe margins. **Apothecia:** infrequent, up to 2 mm in diam., sessile; margin: entire or sometimes irregularly crenate, often bearing a dense corona of rhizines **ascospores:** ellipsoid, 18-25(-28) x 7-12(14) µm, *Physcia*-type. **Chemistry:** TLC-, all reactions negative.



Saxicolous on basalt rock wall, Mt Eden Auckland. Photographer: Marley Ford, Date taken: 05/08/2019, Licence: CC BY-NC.



Corticolous on tree base, Te Aroha Waikato. Photographer: Marley Ford, Date taken: 30/05/2020, Licence: CC BY-NC.

## **SUBSTRATE**

Corticolous, saxicolous, terricolous, artificial (corrugated asbestos roofs)

## **ATTRIBUTION**

Fact sheet prepared by Marley Ford (18 February 2022). Brief description, Distribution, Habitat, and Features 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/phaeophyscia-hispidula/>