

# Umbilicaria nylanderiana

## SYNONYMS

*Gyrophora nylanderiana* Zahlbr.

## FAMILY

Umbilicariaceae

## AUTHORITY

*Umbilicaria nylanderiana* (Zahlbr.) H.Magn.

## 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 saxicolous habit; polyphyllous, often dissected thalli, 1–3(–5) cm diam., with lacerate, irregular margins without rhizinomorphs; the dark-brown to brown-black, or grey-brown, noticeably wrinkled upper surface (strongly so centrally); the sooty, black lower surface, sometimes blotchy and paler at margins, without rhizinomorphs, but with non-septate thalloconidia often densely clustered and producing an impression of being multiseptate; and sessile to subpedicellate, convex, black, gyrose apothecia.

## DISTRIBUTION

**North Island:** Wellington (Mt Ruapehu). **South Island:** Marlborough (Mt Tapae-o-uenuku, Crimea Range), Canterbury (Craigieburn Range, Mt Torlesse, Banks Peninsula, Mt Hutt, Mt Cooper Murchison Valley, Mt Cook, Mt Peel, Kirkliston Range), Otago (Rees Valley, Cardrona, St Mary Range, Mt Pisga, Kakanui Mountains, Dunstan Mountains, Old Man Range, Poolburn Reservoir, Rough Ridge, Lake Onslow, Rock & Pillar Range, Maungatua).

Known also from Scotland, Europe, Scandinavia, Asia, Colombia, Bolivia, Chile, Australia and Antarctica.

## HABITAT

A commonly collected, brown-black to dark green-brown, fragile, rather thin-lobed species, often forming considerable swards, on flattish surfaces (tops of rocks and outcrops) in full sun, 680–2122 m. Often with *U. polyphylla* and species of *Xanthoparmelia*.



Saxicolous subalpine, Mavora Southland.  
Photographer: Marley Ford, Date taken:  
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Saxicolous subalpine, Mavora Southland.  
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## DETAILED DESCRIPTION

**Thallus** 1-2.5 cm diam., mono- or polyphyllous, thin, crisp, fragile, brittle when dry, very irregular to ± rosette-forming, margins ragged-incised, inrolled or ascending. **Upper surface** dull, smooth or plicate-rugose to ± shallowly or coarsely papillate, greyish-brown or buff to dark brown or blackened. **Lower surface** flat, smooth, black, ± uniformly sooty, with minute thallose spores, **rhizines** absent.

**Chemistry:** Gyrophoric (major), lecanoric, umbilicatic (minor) and hiassic (tr.) acids.

## SUBSTRATE

Saxicolous

## ATTRIBUTION

Fact sheet prepared by Marley Ford (22 January 2024). 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.

<https://italic.units.it/index.php?procedure=taxonpage&num=2412>

## MORE INFORMATION

<https://www.nzpcn.org.nz/flora/species/umbilicaria-nylanderiana/>