

# Xanthoparmelia pulla

## SYNONYMS

*Parmelia pulla* Ach., *Neofuscelia pulla* (Ach.) Essl.

## FAMILY

Parmeliaceae

## AUTHORITY

*Xanthoparmelia pulla* (Ach.) O.Blanco, A.Crespo, Elix, D.Hawksw. & Lumbsch

## 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

*Xanthoparmelia pulla* shows the widest spectrum of morphological variation in the genus. Specimens vary continuously in habit from discrete, closely appressed rosettes to irregular and strongly pulvinate clumps. Lobes vary from relatively thin, narrow and sometimes linear to rather large and broadly rounded. Thallus colour and texture are equally variable, smooth and wrinkled combine variously with pale and dark. The lower surface is black and the species lacks isidia.

## DISTRIBUTION

**North Island:** Northland (Three Kings Islands) to Wellington. **South Island:** Marlborough to Central Otago.

Occurring elsewhere in Europe, the Canary Islands, Asia Minor, North and South Africa and Australia.

## HABITAT

Mainly coastal and northern on rock and soil.



Locally common saxicolous lichen with *Parmotrema reticulatum*, Maunganui Bluff Far North. Photographer: Marley Ford, Date taken: 16/05/2023, Licence: CC BY.



Locally common saxicolous lichen with *Parmotrema reticulatum*, Maunganui Bluff Far North. Photographer: Marley Ford, Date taken: 16/05/2023, Licence: CC BY.

## DETAILED DESCRIPTION

**Thallus** appressed throughout, to strongly pulvinate or subpannose, loosely to moderately or tightly adnate, 2-12(-15) cm diam., saxicolous and terricolous. **Lobes** 1-5 mm wide, flat to convex or concave, short and rounded, to somewhat elongate or linear,  $\pm$  discrete to imbricate or loosely entangled. **Upper surface** olive-brown to yellowish-brown, red-brown or dark brown, paler at apices, smooth to weakly pitted or wrinkled at apices,  $\pm$  smooth to fissured or wrinkled centrally, developing  $\pm$  upright subfruticose branches, dull throughout to somewhat shiny, especially at apices, occasionally partly pruinose, without isidia. **Lower surface** dark brown to black, paler at apices, smooth and dull or in part slightly shining, moderately to densely rhizinate. Rhizines concolorous with lower surface, to 1.7 mm long. **Apothecia** common, sessile to short-pedicellate, concave to plane to subconvex, to 7(-11) mm diam., margins entire to weakly crenate or lacerate. **Ascospores** ellipsoid,  $7-10.5 \times 3.5-7 \mu\text{m}$ . **Pycnidia** common. **Conidia**  $4.5-7 \times 1 \mu\text{m}$ , bifusiform.

**Chemistry:** Cortex K-, HNO<sub>3</sub>+ pale to dark blue-green; medulla K-, C- or + rose, KC- or + rose, Pd-, UV-; containing stenosporic acid or divaricatic acid, with accessory perlatolic acid and occasionally accessory gyrophoric acid.

## SIMILAR TAXA

Similar to *X. glabrans*, *X. imitatrix* and *X. luteonotata*. *Xanthoparmelia luteonotata* differs in the pale-tan to brown lower surface.

## SUBSTRATE

Saxicolous

## ATTRIBUTION

Fact sheet prepared by Marley Ford (11 January 2024). 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/xanthoparmelia-pulla/>