

# Pertusaria allanii

## FAMILY

Pertusariaceae

## AUTHORITY

*Pertusaria allanii* Zahlbr.

## FLORA CATEGORY

Lichen – Native

## ENDEMIC TAXON

Yes

## ENDEMIC GENUS

No

## ENDEMIC FAMILY

No

## STRUCTURAL CLASS

Lichens - Crustose

## CURRENT CONSERVATION STATUS

2018 | At Risk – Naturally Uncommon | Qualifiers: RR, Sp

## BRIEF DESCRIPTION

Characterised by the saxicolous habit (coastal rocks); its verruciform apothecia; 2-spored asci; ascospores (150–)175–210(–225) × (50–)60–75(–87) µm ; and perlatolic and stenosporic acids in the medulla.

## DISTRIBUTION

**North Island:** Northland (Whangarei, Anawhata, Waiheke Island), Auckland (Piha). **South Island.**

## HABITAT

On coastal rocks in upper spray zone.

## DETAILED DESCRIPTION

**Thallus** thin, 0.8 mm thick, tartareous, dingy greyish, areolate-cracked, areolae subangular to subirregular, 0.2–1.0 mm diam., ± convex, appearing somewhat subsquamulose, cracks narrow, obscurely delimited at margins, saxicolous. Fertile verrucae whitish, sessile or ± constricted at base, round to irregular, swollen, to 6 mm diam., and 2.5 mm tall.

**Apothecia** several to many per verruca, disc punctiform-impressed, black, epruinose. **Asci** oblong-clavate, 2-spored. **Ascospores** oblong-ellipsoid to ellipsoid, apices rounded or pointed, contents oily, 180–210 × 60–66 µm, wall 3 µm thick.

**Chemistry:** K–, C–, KC–, Pd–. Holotype has perlatolic and stenosporic acids.

## SIMILAR TAXA

*Pertusaria subcerruscosa* is similar but has longer spores (190–280 µm long), norstictic acid (K+ red) in the medulla, and grows on subalpine rocks.

## SUBSTRATE

Saxicolous

## ETYMOLOGY

**allanii:** After Dr Harry Howard Barton Allan C.B.E. (1882–1957) one time school teacher, then first director of DSIR Botany Division, and 'sole' author of Flora I, the first in the former DSIR Botany Division flora series.



On boulders, Whangarei Heads Northland.  
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On boulders, Whangarei Heads Northland.  
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### ATTRIBUTION

Fact sheet prepared by Marley Ford (3 April 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/pertusaria-allanii/>