

# Pertusaria hypoxantha

## FAMILY

Pertusariaceae

## AUTHORITY

*Pertusaria hypoxantha* Malme

## FLORA CATEGORY

Lichen – Native

## ENDEMIC TAXON

No

## ENDEMIC GENUS

No

## ENDEMIC FAMILY

No

## STRUCTURAL CLASS

Lichens - Crustose

## CURRENT CONSERVATION STATUS

2018 | Data Deficient | Qualifiers: SO

## BRIEF DESCRIPTION

Characterised by the saxicolous (coastal rocks) habit; the yellow thallus without isidia or soredia; 8-spored asci; and the presence of thiophaninic and stictic acids.

## DISTRIBUTION

**North Island:** Northland (Hen Island, Little Barrier Island).  
Also in East Australia (Queensland, New South Wales) and Brazil.

## HABITAT

On coastal rocks.

## DETAILED DESCRIPTION

**Thallus** dull- to bright-yellow, areolate, surface smooth and dull, without isidia or soredia. **Apothecia** verruciform, uncommon, scattered, rarely confluent, concolorous with thallus, slightly flattened-hemispherical, becoming constricted at base, 0.6–1 mm diam.; ostioles inconspicuous, pale to dark yellow-brown, 1 per verruca. **Ascospores** 8 per ascus, irregularly uniseriate, ellipsoidal, rarely subfusiform, smooth, 55–75(–90) × 25–35 µm.

**Chemistry:** K–, KC+ orange, C+ orange, Pd– or + weak-yellow; containing thiophaninic acid (major), 2-chloro-6-O-methylnorlichexanthone (tr.), stictic acid (major), constictic acid (minor), and ±lichexanthone (minor-tr.)

## SIMILAR TAXA

It is distinguished from *P. xanthoplaca* by the absence of soredia.

## SUBSTRATE

Corticolous

## ATTRIBUTION

Fact sheet prepared by Marley Ford (7 January 2024). Brief description, Distribution, Habitat, and Features sections copied from Galloway (2007).



Saxicolous, Whangaroa Far North.  
Photographer: Marley Ford, Date taken:  
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Saxicolous, Whangaroa Far North.  
Photographer: Marley Ford, Date taken:  
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## REFERENCES AND FURTHER READING

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-hypoxantha/>