

Pertusaria puffina A.W.Archer & Elix, *Telopea* 6: 22 (1994)

T: track to Mutton Bird Pt, Lord Howe Is., 31°32'45"S, 159°05'00"E, 21 June 1992, *J.A.Elix* 32823; holo: CANB.

Illustration: A.W.Archer & J.A.Elix, *op. cit.* 16, fig. 7.

Thallus dull yellow, thin, cracked, smooth and glossy. Isidia absent. Soralia numerous, scattered, white to off-white, disciform, 0.4–0.8 mm diam. Apothecia not seen.

Chemistry: Thallus K–, KC–, C–, Pd–; containing 2,4-dichlorolichexanthone (major), 2,5-dichlorolichexanthone (major), 2,4,5-trichlorolichexanthone (major), stictic acid (major), 2-chlorolichexanthone (minor) and constictic acid (minor).

A rare, corticolous and saxicolous species in south-eastern Qld, eastern N.S.W.; also in Papua New Guinea (muscolous) and Lord Howe Island.

Qld: summit of Mt Kiangarow, Bunya Mountains Natl Park, 68 km N of Dalby, *J.A.Elix* 37645 (CANB).
N.S.W.: Mount Boss S.F., 37 km NW of Wauchope, *A.W.Archer* P669 (NSW).

The distinctive chemistry separates lichen from other sterile sorediate Australian *Pertusaria* species.