

Pertusaria boweniana A.W.Archer & Elix, in A.W.Archer, *Biblioth. Lichenol.* 69: 48 (1997)

T: Stony Ck, Bowenia S.F., 25 km NNW of Yeppoon, Qld, 22°55'S, 150°39'E, 24 Aug. 1993, *J.A.Elix 34570*; holo: CANB.

Illustration: A.W.Archer, *op. cit.* 49, fig. 10.

Thallus off-white, thin, cracked, smooth and dull. Soredia and isidia absent. Apothecia scattered, verruciform, rarely confluent, hemispherical, concolorous with the thallus, 0.5–0.8 mm diam. Ostioles inconspicuous, black, punctiform, 1 per verruca. Ascospores 8 per ascus, uniseriate, ellipsoidal to subfusiform, 60–70 × 25–30 µm.

Chemistry: Thallus K–, KC–, C–, Pd–; containing 2'-*O*-methylstenosporic acid (major), 2-chlorolichexanthone (minor), 2'-*O*-methylperlatolic acid (trace) and 2'-*O*-methyldivaricatic acid (trace).

A rare, endemic, corticolous species that is known only from the type locality in north-eastern Qld.

This species is characterised by 8-spored asci and the presence of 2-chlorolichexanthone and 2'-*O*-methylstenosporic acid in the thallus. It is distinguished from *P. praetermissa* (*q.v.*) by smaller ascospores and 2-chlorolichexanthone.