Pertusaria flavopunctata A.W.Archer & Elix, *in* J.A.Elix, S.Jariangprasert & A.W.Archer, *Telopea* 12: 266 (2008)

T: Hakea Walk, Washpool Natl Park, Gibraltar Ra., 78 km E of Glen Innes, N.S.W., 29°28'10"S, 152°21'01"E, alt. 895 m, 2 May 2005, *J.A.Elix 37278*; holo: CANB.

Illustration: J.A.Elix, S.Jariangprasert & A.W.Archer, *op. cit.* 267, fig. 4.

Thallus pale yellow-green, scurfy and cracked, lacking isidia, sorediate. Soralia conspicuous, sessile or slightly raised, scattered, composed of bright yellow to yellow-green soredia, 0.5–1.0 mm diam. Apothecia not seen.

Chemistry: containing arthothelin (major), thuringione (major), 3-*O*-methylthiophanic acid (minor), and 4,5-dichloronorlichexanthone (trace).

An uncommon corticolous species in eastern Qld and N.S.W.

Qld: Paluma Rainforest Walk, Paluma, *J.A.Elix 37590* (CANB). N.S.W.: Tomaga River estuary, 15 km SE of Batemans Bay, *J.A.Elix 23337* (CANB).

Pertusaria flavopunctata is characterised by the conspicuous yellow-green soralia and the presence of arthothelin and thuringione [2,4,5-trichloro-3-*O*-methylnorlichexanthone] as major compounds. Arthothelin occurs in other *Pertusaria* species, but *P. flavopunctata* is the first to contain thuringione as a major compound.