

## *Gymnopilus allantopus*



*Gymnopilus allantopus* © Patrick Leonard

**Pileus:** hemispherical, becoming convex, mostly with a small to broad umbo; 15 – 45 mm diameter; radially fibrillose to slightly tomentose; universal veil leaves small white patches on the margin; orange-yellow brownish yellow (8D5); margin slightly inrolled.

**Lamellae:** broadly adnate to sinuate; thin, crowded; lemon-cream to lemon, becoming yellow-ferruginous, margin slightly paler; 2 or 3 sets of lamellulae.

**Stipe:** cylindrical; 20 – 55 × 4 – 8 mm; longitudinally striate, with fine, white, silky, fibrillose remains that form a fibrillose annulus below the pruinose stipe apex; with a small, white, felty, basal tomentum.

**Flesh:** dull cream to lemon-yellow.

**Spore print:** golden rust.

**Spores:** ellipsoid to obovoid to amygdaliform; 8.1 – 9.6 × 5.4 – 6.9, average 9.0 ± 0.4 × 5.6 ± 0.3 μm, Q = 1.59; slowly dextrinoid, verrucose.

**Basidia:** broadly clavate; 20 – 29 × 6 – 8 μm; 4-spored, occasionally 2-spored; sterigmata to 5 μm; hyaline; with granular contents which do not take up the stain.

**Cheilocystidia:** lageniform, often with a long neck section with a slightly inflated apex; 20 - 30 × 4 - 7 μm; with granular contents that do not take up the stain.

**Pleurocystidia:** lageniform; 20 – 35 × 5 – 7 μm.

**Pileipellis:** a cutis consisting of radially parallel, filamentous, lightly encrusted hyphae, 8.4 - 12.0 μm wide, filled with pale lemon contents, terminating in rounded to finger-like cells.

**Habitat:** on logs in a range of forests.

**Collections:** BRI AQ0797283, Shoalwater Bay, Joan Cribb, 22 Jul 2010; PL1320317, Arthur Harrold Reserve, Noosa, Patrick Leonard, 23 Mar 2017.