

## *Boletus punctato-brunneus*



*Boletus punctato-brunneus* © Pat Leonard

**Cap:** irregularly convex to nearly plane; 85 - 125 mm diameter; viscid when moist, finely velvety or shiny when dry, sometimes breaking into small appressed scales; brown with irregular dark spots concentrated in the centre (5D5, 6E4); edge inturred when young.

**Stipe:** cylindrical or tapering below, or sometimes bulbous; 30 - 90 × 15 - 25 mm; pallid to dark brownish, brown punctate, sometimes reticulate above.

**Pores:** adnexed or with a deep sulcus around the stipe; rounded, 2 per mm; pallid yellow or light greyish olive, luteous (4A6) and becoming deep olive buff when bruised.

**Flesh:** firm, white; becoming yellow in cap, sky blue in pores and flesh immediately above and browning in stipe.

**Spores:** subfusiform; 10.8 -13.8 × 3.4 - 5.3 µm, Q = 2.8; smooth.

**Basidia:** clavate; 25 - 40 × 8.7 - 12 µm, sterigmata up to 4.0 µm long, four-spored.

**Cheilocystidia:** sparse; fusoid-ventricose; 30 - 73 × 8.6 - 12.0 µm.

**Pleurocystidia:** moderately dense, 50 - 90 × 8.2 -16.6 µm; similar to cheilocystidia.

**Pileipellis:** a trichoderm of filamentous hyphae, golden yellow in 5% KOH, 3.2 - 5.4 µm diameter, terminal cells fusoid to fusoid-ventricose.

**Habitat:** solitary to scattered under *Eucalyptus* species and *Corymbia intermedia* in rainforest.

**Collections:** AD 000119 (syntype of *Boletus punctato-brunneus*, Mt Lofty, South Australia, 7 Apr 1917; AD 000120 (*B. punctato-brunneus* lectotype), Encounter Bay, 27 May 1932; PL 44607, Obi Obi track, Lake Baroon, Montville, 12 Jun 07.

**Notes:** The viscid shiny pileus, the pores which are concolorous with the tubes, and the punctate to reticulate stipe define this species, this collection keys clearly in Watling and Li, but the colour changes are somewhat different to those recorded in Cleland and Grgurinovic. There must therefore be some doubt about the identity of the Queensland collection.