

Boletus sp 9



Boletus sp 9 © Pat Leonard

Pileus: hemispherical at first then convex; 45 – 60 mm diameter; velutinate, matt; greyish orange (6A3), fawn; margin hardly appendiculate.

Stipe: more or less cylindrical; 50 – 60 × 15 – 20 mm; glabrous with indentations on the surface; bright yellow, staining brown and then blackening on handling; network made prominent by staining.

Pores: adnate with decurrent tooth; bright yellow; very small (3-4 per mm), varying in shape but not radially arranged; bruising blue.

Flesh: yellow, blueing in cap and upper stipe on cutting; beetroot in lower stipe.

Spore print: not obtained.

Spores: fusiform; 9.9 – 12.5 × 3.3 – 4.8 μm , average 10.9 \pm 0.8 × 3.9 \pm 0.35 μm , Q = 2.2 – 3.3, average Q = 2.78 \pm 0.3; smooth.

Basidia: distinctly clavate; 35 – 45 × 6.5 – 8 μm ; four spored?

Pleurocystidia: not seen.

Pileipellis: a thin ixocutis of narrow honey-coloured hyphae 4 – 5 μm wide.

Notes: Watling's collection from Cooloola was difficult to place because of lack of field information. The pileus of the exsiccata is a uniform honey-yellow. The material was immature, but the basidiospores present measured 10 - 11 × 4.5 - 5 μm . The Linda Garrett collection appears to be fairly close on the basis of those characters that can be compared and has therefor been placed in *Boletus* sp 9.

Collections: BRIP 9165, JECA 81/189, Cooloola, Great Sandy National Park, D.J. Ross, 17 Feb 1981; PL26614, Linda Garret Forest, Mapleton, Matthew Wiggins, 14 Jun 2014.