

Boletus sp. 5



Boletus sp. 5 © Pat Leonard

Pileus: convex; 35 - 80 mm diameter; verrucose like *Scleroderma verrucosa*; very pale yellow-brown with orange brown spot in each verruca; margin not appendiculate, no veil.

Stipe: clavate to centrally inflated, centre stuffed or hollow, sometimes caespitose; 25 - 70 × 15 - 25 mm; glabrous at apex but scabrous to fibrillose at base; bright yellow with red scabrosities on the lower stipe.

Pores: yellow-green; angular ± equidimensional, approx. 2 per mm; reddening then blackening on bruising.

Flesh: blueing above pores on cutting, near white with yellowish tinge towards stipe apex.

Spores: amygdalyform; 9.1 - 11.1 × 4.4 - 5.4 µm, average 10 ± 0.5 × 4.85 ± 0.3 µm, = 1.83 - 2.35, average Q = 2.07 + 0.13; distinctly pigmented yellow brown in KOH.

Basidia: clavate; 30 - 35 × 9 - 12 µm; mostly 4 spored.

Pleurocystidia: sparse, hyaline, thin-walled, lageniform to ampulliform with broad neck, 8.8 µm broad, 3.3 µm at apex.

Pileipellis: a cutis with some erect shortened cells which form the verrucae.

Substrate: growing in sandy soil.

Habitat: in mixed forest with *Allocasuarina*, *Lophostemon*, *Melaleuca* and *Callitris* nearby.

Collections examined: PL45413, Arthur Harold Reserve, Cooloola, Noosa National Park, Pat Leonard 12 Apr 2013.

Notes: The yellow cap with verrucose markings and red punctate stipe are very distinctive features of this collection. Very like *Pulveroboletus ravenelii* with no veil, so not this species. Not *Boletus subglobosus* either.