

## *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.

**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 that species. Not *Boletus subglobosus* either.

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