

Boletus sp 18



Boletus sp 18 © Pat Leonard

Cap: convex; to 35 mm diameter; glabrous; yellow to orange (4A8, 5A8); margin entire.

Stipe: clavate with a rooting base; 40 × 20 mm; white at the apex, but browning below; surface irregular but not reticulate.

Pores: adnate; white; elongate at stipe; about 1 per mm.

Flesh: white; firm; some blotchy browning on cutting.

Smell: slightly of chlorine?

Spores: fusoid, boletoid; 8 - 10 × 4 - 5 µm; Q = 2.1.

Cheilocystidia: clavate; containing distinctive guttules in chains.

Pileipellis: Not examined.

Habitat: growing in sand under *Eucalyptus* and *Melaleuca*, in Wallum woodlands.

Notes: this species with a yellow to orange cap and white rooting stipe is very distinctive. It keys to *Boletus* in Halling's key to the genera of Boletes, but none of the species listed by Watling and Li have such small spores. It is possible that this is an unknown species of *Phlebopus* or some variant of *Tylopilus balloui* s.l.

Collections examined: PL 31409, Noosa National Park, Marcus Beach section, Patrick Leonard, 10 Apr 09.