

Boletus sp 28



Boletus sp 28 © Pat Leonard

Cap: hemisphaerical then convex; 80 - 90 mms diameter; velutinate; very dark brown to almost sepia; margin not appendiculate.

Stipe: clavate; 50 - 70 × 20 - 35 mm; more or less smooth; pale with blotchy dark red markings which blue on bruising; uniformly pale, slightly reddish, brown or pink at apex or red with longitudinal striations.

Pores: adnate; crowded; pale orange at first, becoming dark red as the spores develop.

Flesh: pale in cap, red in stipe, blueing on exposure to air then blackening.

Spore print: reddish brown.

Spores: elongate fusoid; 9.3 – 12.4 × 3.6 – 4.6 μm , average 10.8 ± 0.7 × 3.95 ± 0.3 μm , Q = 2.4 – 3.26, average Q = 2.7 + 0.2; smooth and more or less hyaline in KOH.

Basidia: clavate to subcapitate; 25 – 35 × 8 – 10.5 μm ; four spored.

Cheilocystidia: absent.

Pileipellis: a confused trichoderm.

Substrate: free draining gravelly soil.

Habitat: In dry sclerophyl forest dominated by *Eucalyptus campanulata*.

Notes: The red then black reaction of the flesh is unusual in Boletes and should allow this collection to be identified fairly easily, but it does not appear to be in Watling & Li or other papers on Queensland boletes.

Collection: PL58414, Mt Norman Track, Girraween National Park, Pat Leonard, 11 Apr 2014.