

## *Xerocomus* sp. 35



*Xerocomus* sp. 35 © Pat Leonard

**Cap:** shallow convex; 45 mm diameter; glabrous; dark brown (7F5); margin slightly retracted from tubes.

**Stipe:** cylindrical, expanded at apex; 50 – 5 – 7 mm; striate; reddish brown and staining sepia on handling but red at the apex;

**Pores:** retracted from stipe but leaving a small decurrent tooth; angular, irregular;  $\pm 1$  per mm; yellow bruising blue and finally almost sepia

**Flesh:** yellow in cap becoming dark blue on exposure to air, dark red in stipe.

**Smell:** boletoid.

**Taste:** mild.

**Chemical characters:** FeSO<sub>4</sub> = dark green; KOH = strong orange.

**Spore print:** olivaceous.

**Spores:** broadly ellipsoid;  $9.12 - 11.61 \times 6.25 - 7.87 \mu\text{m}$ , average  $10.1 \pm 0.65 \times 7 \pm 0.5 \mu\text{m}$ ,  $Q = 1.27 - 1.69$ , average  $Q = 1.45 \pm 0.11$ ; brown in KOH with distinctive longitudinal stripes (ridges?).

**Basidia:** strongly clavate;  $32 - 38 \times 8 - 10 \mu\text{m}$ ; four spored.

**Cheilocystidia:** not observed.

**Pleurocystidia:** not observed.

**Pileipellis:** a trichoderm of intertwined short hyphae mostly upward facing.

**Habitat:** botanic garden with a range of plants, specimen in a lawn with closest trees *Eucalyptus* and *Leptospermum*.

**Notes:** the specimen is clearly xerocomoid with a thin red stipe, yellow pores and blue staining flesh, the odd striped spores are unusual.

**Collections examined:** PL860318, Maroochy Bushland Botanic Garden, Pat Leonard, 20 Mar 2018.