

## *Xerocomus* sp. 22



*Xerocomus* sp. 22 © Pat Leonard

**Cap:** convex; 25 – 30 mm diameter; minutely velutinate, suede like; pale brownish orange (6C4); margin does not reach over tubes.

**Stipe:** tapering towards base; 25 × 4 – 5 mm; glabrous; light brown at apex becoming paler towards base.

**Pores:** adnexed; pale olivaceous yellow to yellow; irregular.

**Flesh:** white, unchanging on exposure to air.

**Spore print:** olivaceous brown.

**Spores:** fusiform, boletoid; 13 – 16.9 × 4.5 – 6.9  $\mu\text{m}$ , average 14.3  $\pm$  1 × 5.7  $\pm$  0.5  $\mu\text{m}$ , Q = 1.9 – 3.55, average Q = 2.55  $\pm$  0.4; smooth, thin walled.

**Basidia:** clavate, 35 – 40 × 9 – 12  $\mu\text{m}$ ; four spored.

**Pleurocystidia:** not observed.

**Pileipellis:** a trichoderm.

**Substrate:** alluvial soil.

**Habitat:** growing singly in dry sclerophyll forest under *Leptospermum* species.

**Notes:** This small bolete does not readily key out in Watling and Gregory. The fruit body size and colour suggest *X. lentistipitatus*, but the spores are significantly larger, the stipe more robust and the habitat different.

**Collections examined:** CH016, Chermside Hills Nature Reserve, Brisbane, Pat Leonard, 31 March 2012; PL68313, Crow's Nest National Park, Pat Leonard, 14 Mar 2013.