

## *Boletus carramarus*



*Boletus carramarus* © Pat Leonard

**Cap:** convex or nearly applanate with irregular depressions; up to 150 mm diameter; dull, subfibrillose dirty brown in places near buffy brown to dark brown or reddish to yellowish brown (5C4).

**Stipe:** cylindrical; 80 × 35 mm; slightly fibrillose, becoming dark brown to blackish below, pallid brown to pallid yellowish above, root conical.

**Pores:** adnate with a slight sulcus; up to 18 mm deep; pallid yellow turning greyish to buffy brown; rather small, pentagonal, concolorous with tubes.

**Flesh:** whitish becoming bluish green in patches with reddish brown areas, finally dark brownish.

**Spore print:** yellowish brown.

**Spores:** subfusiform; 11.2 - 15.2 × 5.0 - 6.4 μm, Q = 2.3; smooth.

**Cheilocystidia:** 62.4 × 10.4 μm, fusoid-ventricose, hyaline or yellowish in 5% KOH.

**Pileipellis:** a tangled trichodermium of filamentous hyphae, with heavily encrusting brown pigment, hyphae 4.6 - 9.6 μm diam.

**Habitat:** singly in wet sclerophyll forest with *Eucalyptus microcorys*.

**Notes:** description based on Queensland collections and Grgurinovic. Both Watling and Grgurinovic report the confusion around this species and the similar looking *B. brunneus* and *Tylopilus fuscobrunneus*. Grgurinovic considers *B. carramarus* and *B. brunneus* to be synonyms. This species can be distinguished from *T. fuscobrunneus* by its yellowish brown spore print according to Watling.

**Collections examined:** PL 84607, Linda Garret Park, Mapleton, 30 Jun 07.