

## *Boletus aff emilii*



*Boletus aff emilii* © Pat Leonard

**Cap:** convex; 45–90 mm diameter; rich reddish brown (9D7), paler towards the margin; minutely scaly giving a suede-like surface when young; margin somewhat appendiculate.

**Stipe:** swollen when young but becoming clavate; not reticulate, lemon-yellow at apex, more intense reddish brown with distinct orange colours, towards base floccose reddish-punctate, lemon-yellow where buried in soil.

**Pores:** orange-yellow but with orifice distinctly reddish orange showing against the background of orange-yellow.

**Flesh:** lemon-colour to yellow in pileus, chrome-yellow in stipe, immediately blue on cutting except for retention of lemon-yellow below the rich carmine-red pileus cuticle.

**Spores:** amygdaliform;  $9\text{--}13\ \mu\text{m} \times 3.5\text{--}4.8\ \mu\text{m}$ , smooth.

**Pleurocystidia:** fusoid;  $30\text{--}50 \times 8\text{--}12\ \mu\text{m}$ , hyaline in ammoniacal solutions; rare; thin-walled, easily collapsing.

**Pileipellis:** a trichoderm of cylindrical hyphae,  $4\text{--}5\ \mu\text{m}$  wide, forming a thin brown layer of suberect elements.

**Habitat:** in groups in soil, usually on banks, under *Eucalyptus* in wet sclerophyll forest.

**Notes:** Watling and Li say that their specimen agreed in almost all respects with the European species. The present collection is also close but differs from Alessio's description (as *B. aemilii*) by having richer red colouration and a more rapid blueing reaction.

**Collections examined:** PL35607, Maroochy Bushland Botanic Garden; 11 Jun 2007; PL3614, Mapleton Forest, Pat Leonard, 7 Jun 2014.