

## *Boletus aff microspermus*



*Boletus aff microspermus* © Pat Leonard

**Cap:** convex; to 25 mm diameter; minutely velutinate; very bright orange (8A8, 9B8); margin barely appendiculate.

**Stipe:** cylindrical; 20 × 8 mm; glabrous; orange as cap but a paler yellowish colour towards apex.

**Pores:** adnate with a decurrent tooth; cream; more or less ovoid.

**Flesh:** white to very pale yellow, unchanging.

**Spore print:** not obtained.

**Spores:** ellipsoid; 5.5 – 6.8 × 2.8 – 4.4 µm, average 6.3 ± 0.35 × 3.5 ± 0.45 µm, Q = 1.49 – 2.27, average Q = 1.85 ± 0.23; thick walled, with granular contents.

**Basidia:** clavate; 35 – 45 × 11 – 14 µm; four spored.

**Cheilocystidia:** langeniform; 45 – 70 × 10 – 13 µm; brown in KOH, numerous.

**Pleurocystidia:**

**Pileipellis:** not observed.

**Substrate:** in sand.

**Habitat:** In mixed woodland with *Melaleuca*, *Allocasuarina* and *Eucalyptus*, but nearest to *Allocasuarina*!

**Notes:** a very small bolete with very distinctive orange colour on cap and stipe and cream pores, also distinctive microscopically on account of its very small spores and numerous langeniform brown cystidia. It is close to Horak's *Boletus microspermus*, but that has a significantly narrower stipe and orange pores.

**Collections:** PL56413, Arthur Harold Reserve, Cooloola, Great Sandy N.P., Pat Leonard, 12 Apr 2013; PL8314, Willets Road, Bellthorpe, Pat Leonard, 11 Mar 2014.