

## *Tricholoma* sp 1



*Tricholoma* sp 1 © Pat Leonard

**Cap:** applanate with a broad umbo; 45 – 90 mms diameter; covered in dark brown fibrils which are denser towards the centre and form squamules near the margin; golden brown to dark brown at the centre, underlying flesh cream to pale yellow.

**Stipe:** cylindrical with a distinctly bulbous base; 40 - 50 × 15 – 25 mm; white with golden brown fibrils.

**Gills:** sinuate; moderately spaced in 2-3 series, golden yellow.

**Flesh:** white with very faint yellow tinge, unchanging.

**Spore print:** white.

**Spores:** ellipsoid; 5 – 6.9 × 3.6 – 5.3  $\mu\text{m}$ , average 5.9 ± 0.45 × 4.5 ± 0.4  $\mu\text{m}$ , Q = 1.18 – 1.51, average Q = 1.32 ± 0.10; smooth, somewhat flattened on one side.

**Basidia:** narrowly clavate; 40 – 50 × 5 – 8  $\mu\text{m}$ ; four spored.

**Pleurocystidia:** absent.

**Pileipellis:** a cutis of repent hyphae, some with natural golden brown colouration.

**Habitat:** In small groups under *Eucalyptus* in wet sclerophyll forest with a limited understorey.

**Notes:** close to the Northern Hemisphere *Tricholoma sulphureum*, but with no strong smell and a strongly sub-bulbous base. This appears to be a new species.

**Collections examined:** PL 16708, Maroochy Bushland Botanic Garden, Pat Leonard, 22 July 2008; PL35614, Maroochy Bushland Botanic Garden, Pat Leonard, 24 Jun 2014.