

## *Gymnopilus* sp PL 910419



*Gymnopilus* sp PL 910419 © Pat Leonard

**Cap:** convex with a shallow umbo; 65 – 90 mm diameter; velutinate with a patchy appearance; orange yellow at first becoming pale orange with darker greyish orange patches (5A3 5B5).

**Stipe:** cylindrical tapering downwards; 90 – 110 × 20 – 22 mm; striate but not really fibrillose; yellow ochraceous with a pale zone at the apex; no ring or ring zone.

**Gills:** adnate, moderately spaced; quite thick; bright ochraceous orange; lamellulae in two series.

**Flesh:** ochraceous.

**Smell:** none.

**Spore print:** orange brown.

**Spores:** ovoid; 6.8 – 8.1 × 6.8 – 7.5  $\mu\text{m}$ , average  $7.5 \pm 0.4 \times 6 \pm 0.45$ ,  $Q = 1.09 - 1.43$ , average  $Q = 1.24 \pm 0.1$ ; finely warty, with a thick wall.

**Basidia:** clavate; four spored.

**Cheilocystidia:** numerous; capitate, a few fusoid, many with a single septa; 60 – 90 × 8 – 13  $\mu\text{m}$ .

**Pleurocystidia:** absent.

**Pileipellis:** a cutis of repent hyphae 5 – 8  $\mu\text{m}$  wide.

**Habitat:** growing at the base of a tall *Eucalyptus* tree in wet sclerophyll forest.

**Notes:** the bright orange colour and the warty spores suggest this is a *Gymnopilus*. Absence of a veil and spore size lead to *G. karrara* in Grgurinovic's key but both fruiting body size and spore and cystidia descriptions do not match well.

**Collections examined:** PL910419, Maroochy Bushland Botanic Garden, Pat Leonard, 15 Apr 2019.