

Gymnopilus junonius.



Gymnopilus junonius © Pat Leonard

Cap: convex; 70 mm diameter; pale cream (4A3); glabrous with minute brownish orange squamules (7C8) scattered, but more concentrated at centre; margin appendiculate.

Stipe: stout and more or less clavate; 90 × 20 mms; pale cream, faintly striate towards lower half.

Gills: adnexed, crowded, light yellow to golden (4A5); in three intercalated series; edge concolorous.

Flesh: thick, firm, pale cream but bruising brownish orange where damaged.

Spore print: rust.

Spores: ellipsoid, but amygdaloid in side view; 5 - 6 × 7 - 8 µm; with oily droplets, unornamented, inamyloid.

Cheilocystidia: scattered, clavate, 30 × 5-8 µm.

Pileipellis: a cutis of interwoven hyphae with bundles of dark brown hyphae emerging to form the squamules.

Habitat: Growing in deep woody litter at the base of a large *Eucalyptus pilularis* in a damp creek with rainforest under storey.

Notes: This species is usually found in caespitose groups, but, in Queensland it seems to be more common as single specimens at the base of living trees.

Collections examined: PL 51008, Maroochy Bushland Botanic Garden, 20 October 2008.