

## *Boletus* sp 21



*Boletus* sp 21 © Megan Prance

**Cap:** irregularly convex; up to 160 mm diameter; shiny, glistening, glabrous; very dark blood red (11B8, 11D8), darker where it had dried out; margin wavy, not appendiculate.

**Stipe:** distinctly clavate; 70 – 100 × 40 – 50 mm; glabrous; light red for upper 15 mm, then dark red for next 25 mm, dark brown to almost black in lower half.

**Pores:** adnexed; about 20 mm deep; dark brown, soft; bruising blue.

**Flesh:** creamy white at first, turning a dark blue to blue green on cutting, then gradually fading but remaining deep red in stipe.

**Taste:** mild.

**Spore print:** brown.

**Spores:** amygdaliform; 11.2 – 13.3 × 4.1 – 6.5  $\mu\text{m}$ , average 12.4 × 5.15  $\mu\text{m}$ , Q = 1.8 – 3.7, average Q = 2.4; smooth.

**Basidia:** narrowly clavate;  $\pm 20 \times 4 - 8.5 \mu\text{m}$ ; four spored.

**Pleurocystidia:** appear to be of two types, narrow ( $\pm 5 \mu\text{m}$  wide) cylindrical cells that are scarce, and wider septate, brown, utriform cells. Not clear whether either are true pleurocystidia. Good fresh material needed for a clear determination.

**Pileipellis:** an ixocutis?

**Habitat:** growing singly on alluvial soil by a creek with *Eucalyptus andrewsii* and other trees.

**Notes:** A very large and distinctive blood red bolete which blues strongly and has red flesh in the stipe. It does not seem to readily fit any of Watling and Li's descriptions. A single partly eaten specimen was found and more collections are needed to improve this description.

**Collections examined:** PL38411 (GIR56) Underground Creek Track, Girraween National Park, Ken Cowell, 16 Apr 2011.