

## *Polyporus* 'Fraser Is.'



*Polyporus* 'Fraser Is' © Adrian Harris

**Cap:** applanate to centrally depressed; 50 - 90 mm diameter; striate fibrillose with an inner zone then a more or less glabrous narrow ridge and then an outer fibrillose striate zone; creamy white; margin somewhat wavy.

**Stipe:** cylindrical in its upper part, becoming irregular in the lower part; 90 – 250 × 7 – 10 mm about 40 – 45 mm above ground, remainder buried; soft fleshy above ground becoming harder and more woody below; creamy white above ground almost black below; not clear whether the base of the stipe is attached to well rotted wood, no sclerotium found.

**Pores:** decurrent; somewhat irregular, radially elongated, approximately 2 × 1mm; margins of pores dentate to ragged; pale cream.

**Flesh:** soft fleshy rather than leathery.

**Spores:** white; fusoid; 10.2 – 14.1 × 4.3 – 5.8 μm, average 12.04 ± 0.9 × 5.2 ± 0.4 μm, Q = 1.96 – 2.78, average Q = 2.33 ± 0.24; inamyloid; appear to be faintly warty.

**Basidia:** clavate, 20 – 25 × 8 – 10 μm; four spored; sterigmata to 4 μm.

### **Pileipellis:**

**Habitat:** Growing in pure sand in mixed wet sclerophyll forest with *Syncarpia hillii*, *Leptospermum confertus* and palms.

**Collections examined:** AQ795510 (SMF 2619), Pile Valley track to Central Station, Fraser Island, Pat Leonard & Gretchen Evans, 6 Apr 2011; PL15411, Inland Track, Happy Valley, Fraser Island, Pat Leonard, 5 Apr 2011.

**Notes:** A very distinctive fungus with a zoned cap where the two fibrillose areas are separated by a ridge, and elongated ragged decurrent pores, and a long stipe most of which is buried. A second collection made north of Happy Valley was the same. It shares many characters with both *Polyporus* and *Laccocephalum*; the lack of a sclerotium suggests the former. Sequencing places this with sclerotium forming *Polyporus* species. No true *Laccocephalum* species have yet been sequenced.