**Hymenopellis gigaspora**

Cap: broadly convex to planar; 40 – 60 mm diameter; smooth, slightly viscid when wet; milk coffee to clay buff, slightly darker in centre margin entire.

Stipe: extremely elongated, 120 - 180 × 3 – 7 mm; with radicating ‘root’, 35 - 40 × 8 – 12 mm; clay buff to vinaceous buff at base, grading to white at upper end; finely pubescent, solid with very narrow central cavity

Gills: white, moderately crowded, subdecurrent, 4 tiers of lamellulae.

Flesh: white, 4mm at centre

Spore print: white.

Spores: broadly ellipsoid to subglobose, av. 15 × 12, Q = 1.23.

Basidia: 2 and 4 spored.

Pleurocystidia: not seen.

Pileipellis: not examined.

Substrate: sandy soil

Habitat: *Kunzea, Allocasuarina* forest

Collections examined: CN 55, Crows Nest N.P., 20/4/13

Notes: Key used is by R. Petersen, 2010 (adapted for Australia by P.L. Leonard). There is a problem with number of spores per basidium. This species appears to have some 2 spored and some 3-4 spored basidia. According to the key *Hymenopellis gigaspora* should have only 4 spored basidia. Otherwise morphological features fit well.