

Arcyria major (G.Lister) Ing

Date 30 Aug. 2019 Black Sugarloaf, Birrale (thismia gully).
Habitat wet eucalypt forest. **Substrate** sodden bark of fallen *Eucalyptus obliqua*. **Description** several patches of densely packed coral pink sporangia. **Sporotheca** cylindrical
Stalk 0.2–0.3 mm, reddish brown, the base is white and filled with cysts. **Hypothallus** continuous under group.
Peridium fugacious leaving a funnel-shaped calyculus covered with papillae (oil immersion lens). **Capillitium** falls away from the calyculus in 6 mm long plumes that retain their shape (unlike *A. affinis*). Decorated with spirals, 5 µm wide. Pink at first then ochraceous. **Spores** 8 µm, decorations not visible. **Notes** developing sporangia changed colour from white, to ochraceous (like *A. obvelata*) to pink.
Below *A. major* showing the changing colour as the sporangia develop.

