Rhipiliopsis robusta
Womersley

50.640

Techniques needed, and shape

MACRO PLANT

Classification Phylum: Chlorophyta; Order: Caulerpales;
Family: Udoteaceae

***Descriptive name** stalked felt-plant

Features plants grey-green to green of a ***felty***, flat blade about 40-90mm tall on a ***short stalk***

Variations blades may have faint zones across the blade

Special requirements

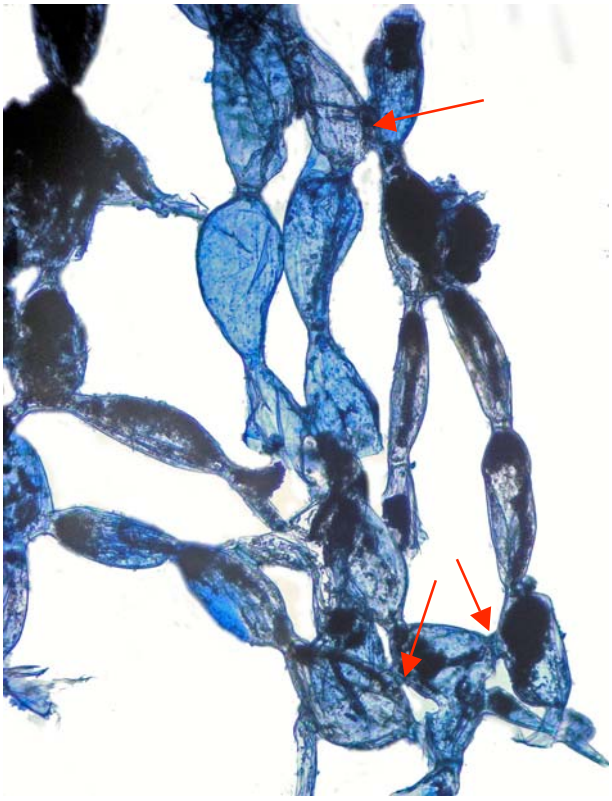
1. view a torn and teased-out portion of the blade to see the entwined threads with forked (dichotomous) branching , ***pinched*** (constricted) along their length into ***bead-like chains***
2. filaments ***robust***, 150-200µm across, connected where they occasionally touch to neighbouring ones by ***adhesive discs***

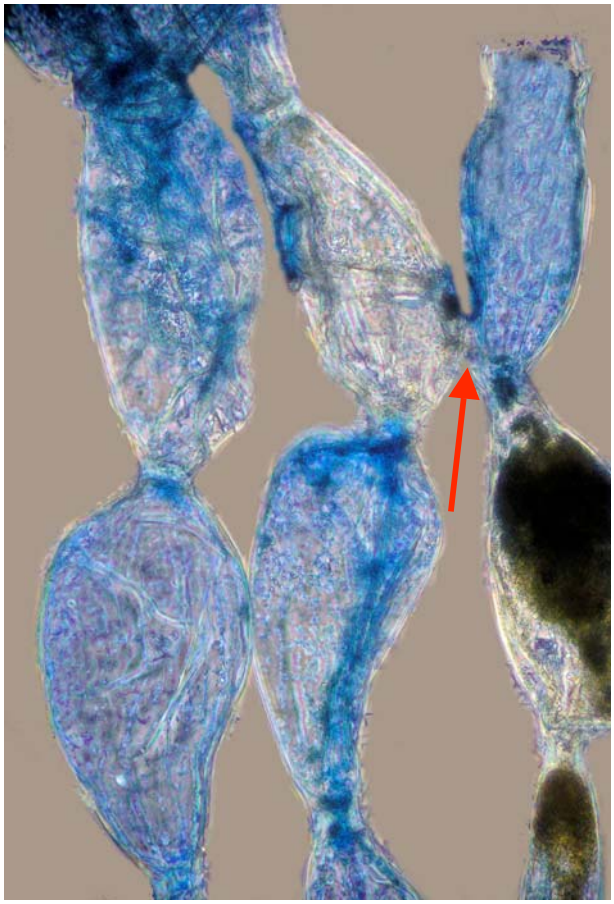
Occurrences Pearson I. and Tiparra Reef, S. Australia
Usual Habitat probably a deep-water species (11- 30m)

Similar Species *Rhipiliopsis peltata*, but that species is smaller, its microscopic filaments o are only 18-20µm across. Also similar to *Avranvillea* but that is larger (80-200mm tall) and its microscopic filaments are ***not connected*** at the sides.

Description in the Benthic Flora Part I, page 248-251, 252

Details of Anatomy





mass of forked, tangled threads making up the felty blade threads of *Rhipiliopsis robusta* (slide 20537) stained blue and viewed microscopically at different magnifications showing
1. the bead-like constrictions along threads with adhesive discs (arrowed) that hold adjacent threads together
2. detail of threads showing the pinched regions along the threads and an adhesive disc (arrowed) that holds adjacent threads together

* Descriptive names are inventions to aid identification, and are not commonly used
"Algae Revealed" R N Baldock, S Australian State Herbarium, June 2005

Rhipiliopsis robusta (J. Agardh) Gepp & Gepp (A41215) from Tiparra Reef, S. Australia

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