Cladophora rhizoclonioidea
van den Hoek & Womersley

A SPECIES WITH FEW RECORDS

50.530

Techniques needed and plant shape

Classification Phylum: Chlorophyta; Order: Cladophorales; Family: Cladophoraceae

***Descriptive name** tangled green threads

Features Plants green, of diffuse masses of filaments ***entwined*** with other algae

Special requirements

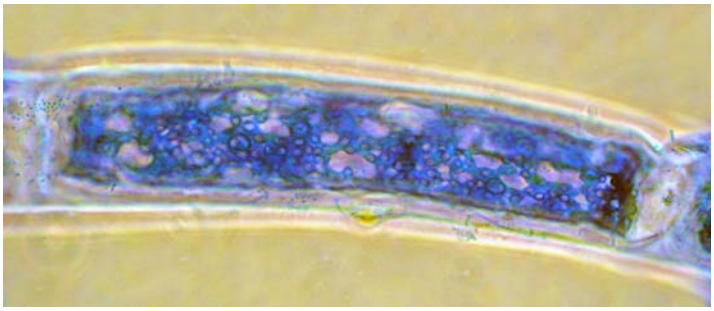
1. view microscopically the ***long, sparsely*** branched filaments, ***entangled*** with their host, aided by ***curved*** or ***circular*** branches
2. lateral branches often attached on vertical surfaces of other filaments (***laterally*** inserted)
5. chloroplasts forming a net (***reticulate*** pattern)

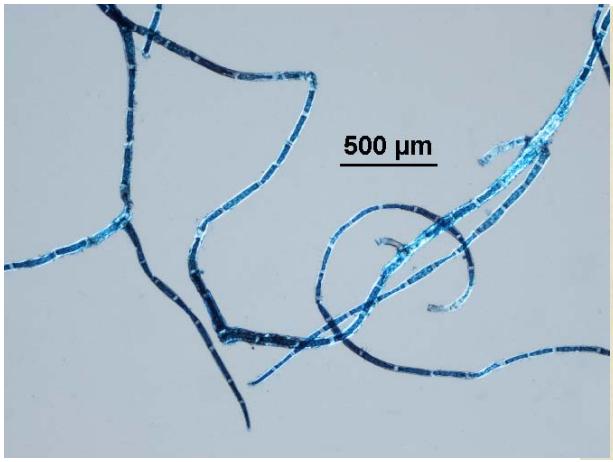
Occurrences known only from Nora Creina Bay, and West Island, S. Australia, but possibly more widespread as the species is easily overlooked

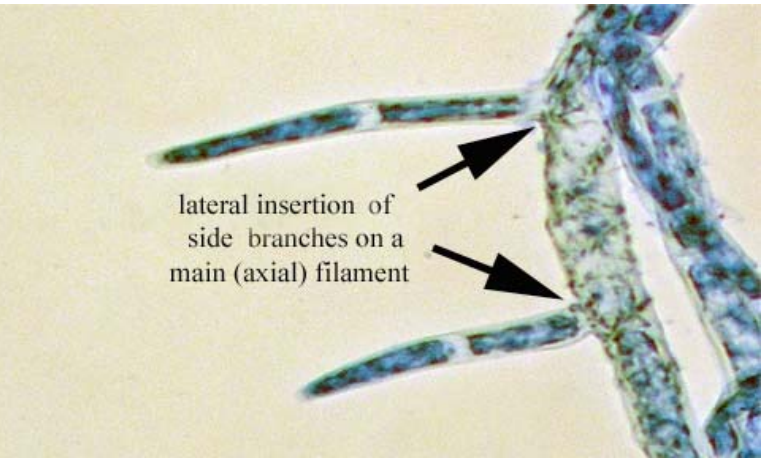
Similar Species superficially like many filamentous green species, but filaments ***curved*** and merely entwined with their host (unattached) in this species

Description in the Benthic Flora Part I, pages 183, 188-189

Details of Anatomy







1. *Cladophora rhizoclonioidea* (A52833) mass, entwined with a *Seirococcus* branch

2-4. specimens stained blue and viewed microscopically at different magnifications

2. filaments teased out from the tangle of threads making up the plant to show the sparse and curved branching pattern (slide 6754)
3. single cell showing the net-like arrangement of the many chloroplasts present (slide 6754)
4. detail of the branching pattern (slide 9065)

* Descriptive names are inventions to aid identification, and are not commonly used

"Algae Revealed" R N Baldock, S Australian State Herbarium, October 2003