



MACRO
PLANT

foliose

Techniques needed and plant shape

Classification

Phylum: Chlorophyta; Order: Ulvales; Family: Ulvaceae

***Descriptive name**

tattered sea lettuce

Features

plants light green, 60-120mm tall, of a flat blade deeply cut into thin, delicate; translucent ribbons

Special requirements



view the surface of blades microscopically to find

- **one-layered** sheet of small, many-sided cells with rounded or narrow angular ends, in **short** lines
- single **long** rhizoids protruding from basal cells, anchoring the plant
- chloroplasts filling most of the cell with **several** bright spots (pyrenoids)

Occurrences

only known from Pearson I. on craypots from 50-70m deep

Usual Habitat

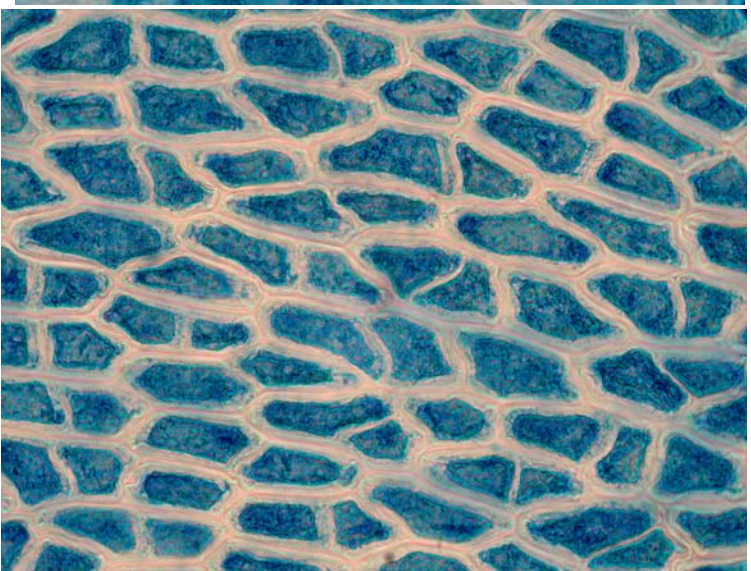
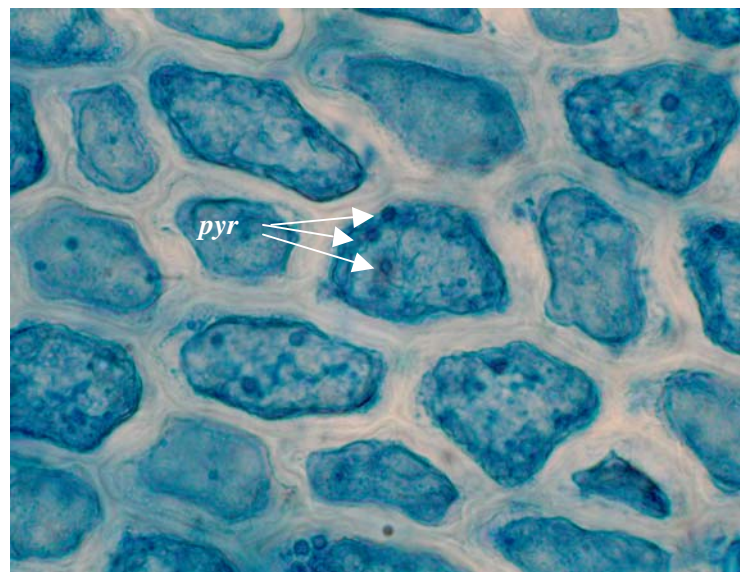
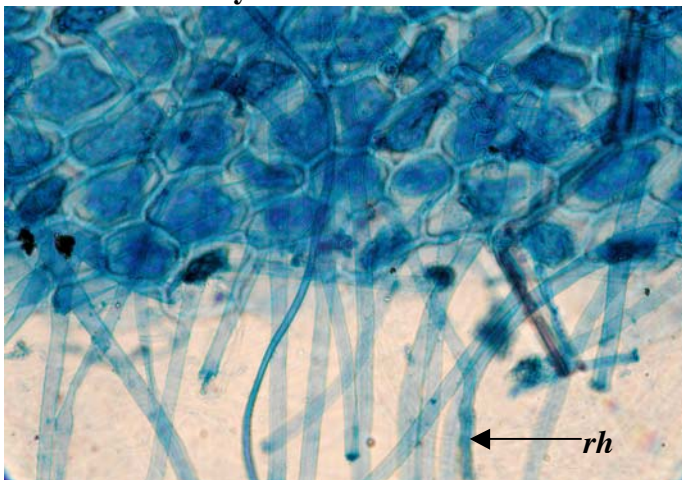
probably a deep water species

Similar Species

superficially like the many species of *Ulva* (*U. spathulata*, *U. taeniata*) but those species have separate branches not a single frond slashed into pieces and microscope inspection shows *Ulva* spp have 2 cell layers.

Description in the Benthic Flora Part I, pages 137-139

Details of Anatomy



Ulvaria shepherdii (slide 3492) stained blue and viewed microscopically

1. basal blade cells with outgrowths forming long rhizoids (*rh*)
2. cell detail with chloroplast containing several pyrenoids (*pyr*)
3. cells, showing angular sides, thick walls and arrangement into short lines forming channel-like patterns



Ulvaria shepherdii Womersley, (A34107) from Pearson I., S Australia, 36m deep