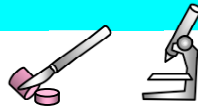


Techniques needed and plant shape



MACRO
PLANT

foliose

Classification

Phylum: Chlorophyta; Order: Ulvales; Family: Ulvaceae

*Descriptive name

§ ruffled sea lettuce

Features

plants light green, 200-800mm tall, branched *near the base* into several *narrow* blades (6-20 times as long as broad), blades usually *ruffled* at the margins, sometimes *twisted*

Special requirements



view upper blades microscopically

1. in surface view cells are in *short* lines, edges have *microscopic* teeth
2. cross sections show 2 cell layers with rounded cells, L/B = 2-3

Occurrences

from west coast USA, now considered to be naturalised in New Zealand and Australia

Usual Habitat

on rough-water rock platforms at low tide level, from California, New Zealand and southern Australia (see Womersley, Part I, 149).

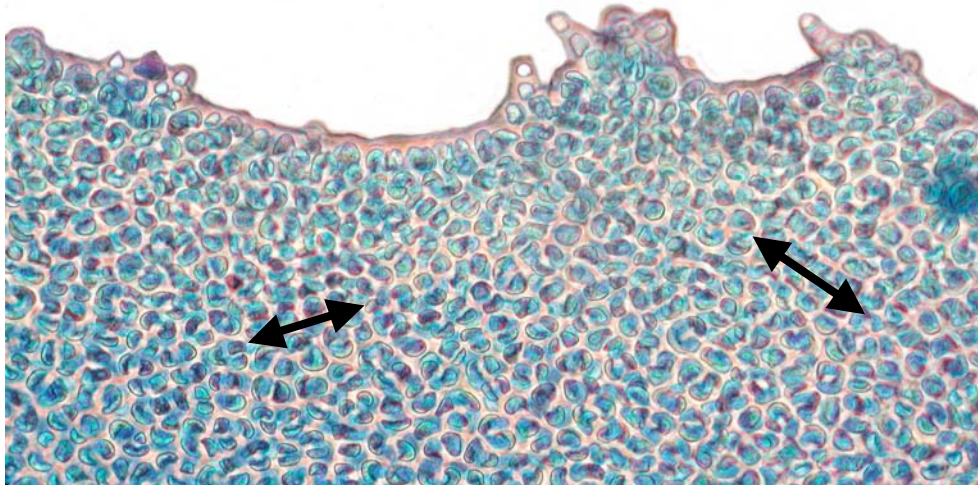
Similar Species

young plants without long, ruffled blades appear similar to *Ulva australis*, but that species does *not* have microscopic marginal teeth

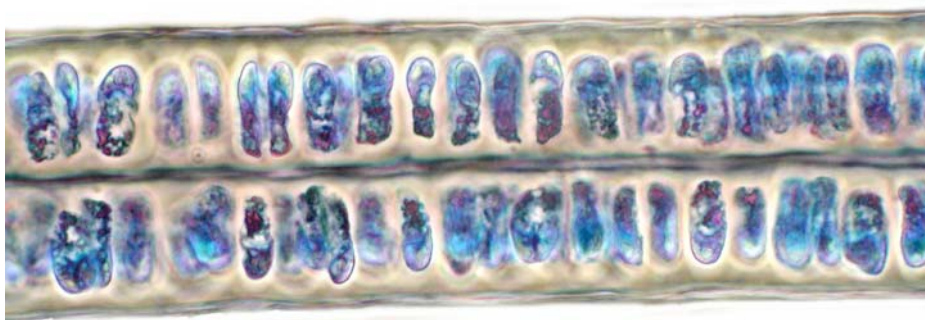
Description in the Benthic Flora Part I, pages 147-149; Part IIID page 499, Appendix of introduced species

Details of Anatomy

1.



2.

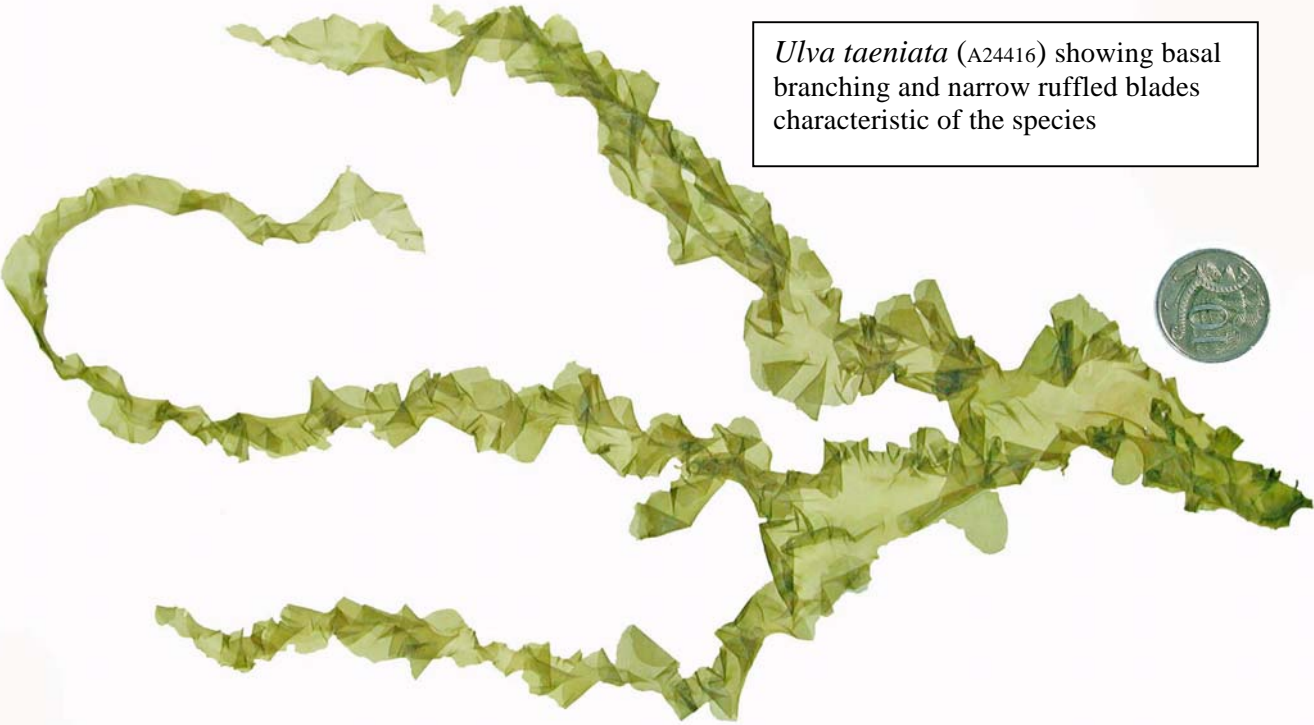


Ulva taeniata (slide 6459) stained blue and viewed microscopically

1. surface view of cells from near the top and edge of a blade. Cells equal-sided, lie in short lines (shown by arrows). Small teeth or spines are present at the blade edge
2. cross section of the upper part of a blade, showing the 2 layers of elongate, rounded cells

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

§ name used in Edgar, G. *Australian Marine Life, 2nd Ed.* (2008)



Ulva taeniata (A24416) showing basal branching and narrow ruffled blades characteristic of the species



Ulva taeniata (Setchell) Setchell & Gardner, (A53141), from Waterloo Bay (Elliston), S. Australia, showing an undivided, but still ruffled form

* Descriptive names are inventions to aid identification, and are not commonly used
§ name used in Edgar, G. *Australian Marine Life*, 2nd Ed. (2008)