

Crassilingua marginifera
(J Agardh) Papenfuss

45.880

Techniques needed and shape



Classification

Division: Rhodophyta; Family: Delesseriaceae; Tribe: Nitophylloideae
Group: *Phycodrys*

***Descriptive name**

Flanged Cellophane Plant

Features

plants dark red to red-brown 50-200 mm tall, of **filmy**, narrow, **strap-like** blades about 6 mm wide, branching from the **margins**, edges smooth, mid-line vein **broad** with flange-like wings, side veins **absent**; side branches narrow basally; sometimes numerous short, branchlets (**proliferations**) grow from inside margins specimens from West I. have small conical growths at the edges of blades

Variations



Special requirements



view microscopically to find

1. in surface view: single, microscopic apical cells producing lines of cells later thickened into midline veins; smooth blade edges; in sporangial plants, patches (sori) of tetrasporangia forming **upraised** bumps on blade surfaces
2. in cross sections through blades: thickened **edges** and midrib of many cell rows from S Australia to Tasmania

Occurrences
Usual Habitat

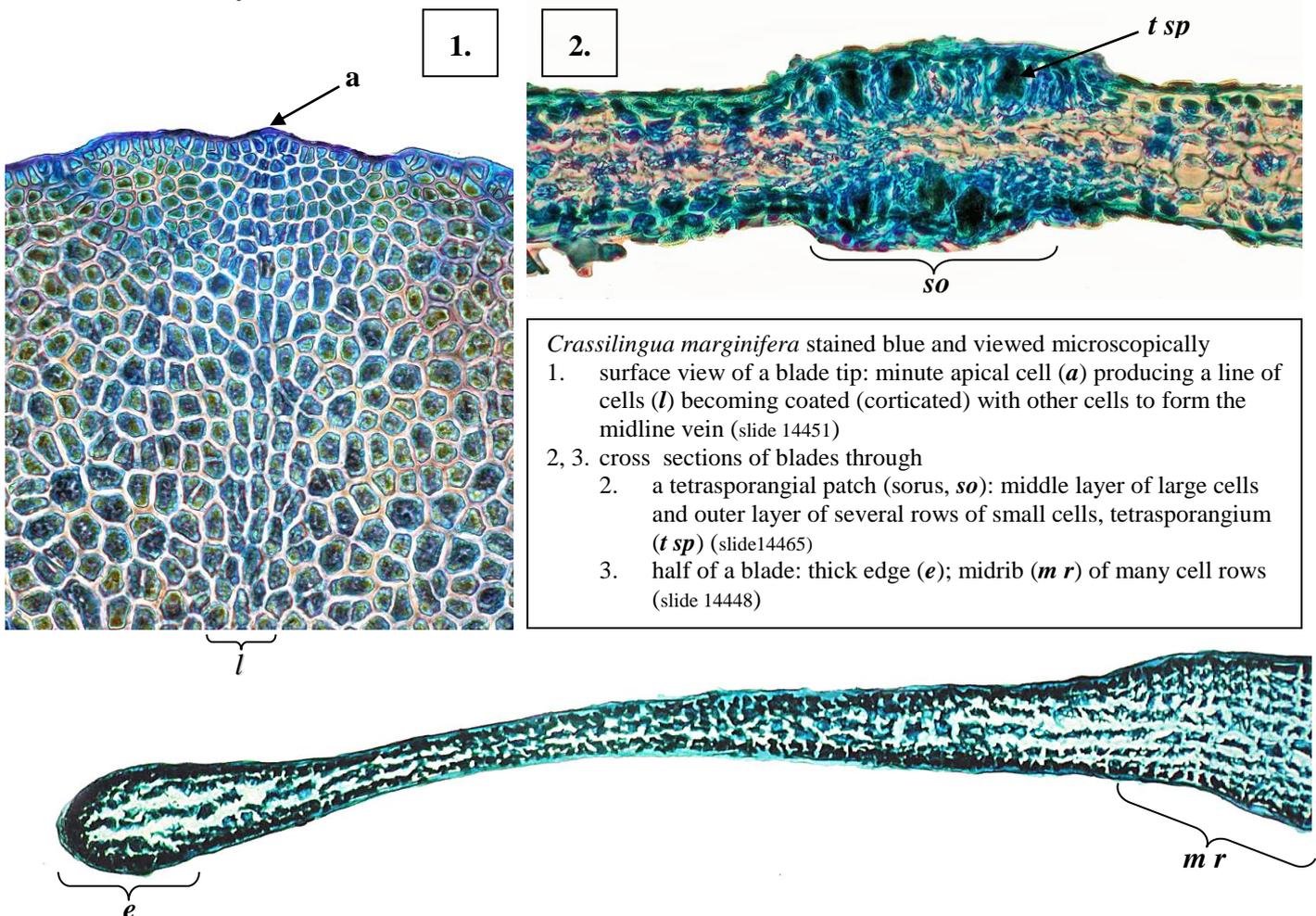
on rock, in rough water, at depth or in shaded shallow waters

Similar Species

Heterodoxia denticulata also appears “flanged” but has definite stalks and blade edges have branched teeth

Description in the Benthic Flora Part IIID, pages 80-83

Details of Anatomy



Crassilingua marginifera stained blue and viewed microscopically

1. surface view of a blade tip: minute apical cell (**a**) producing a line of cells (**l**) becoming coated (corticated) with other cells to form the midline vein (slide 14451)
- 2, 3. cross sections of blades through
 2. a tetrasporangial patch (sorus, **so**): middle layer of large cells and outer layer of several rows of small cells, tetrasporangium (**t sp**) (slide 14465)
 3. half of a blade: thick edge (**e**); midrib (**m r**) of many cell rows (slide 14448)

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

“Algae revealed, R N Baldock, State Herbarium S Australia, March 2003; additions August 2007; edited May 2014



Crassilungia marginifera (J Agardh) Papenfuss, A23020; drift plants from Robe, S Australia,
the lower specimen with proliferous short branchlets

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