Myriogramme gunniana
(Hooker & Harvey) Kylin

45.880

Techniques needed and shape

Classification Division: Rhodophyta; Family: Delesseriaceae; Tribe: Nitophylloideae
Group: *Myriogramme*

***Descriptive name** tattered, dark Cellophane Plant

Features plants dark red-brown, of ***flat*** blades ***irregularly divided***, looking as if they have been slashed, veins ***absent***. Some plants have a ***stalk-like base*** where the flat blades have been eroded away

Variations small holes may appear in the fronds due to grazing by animals

Special requirements

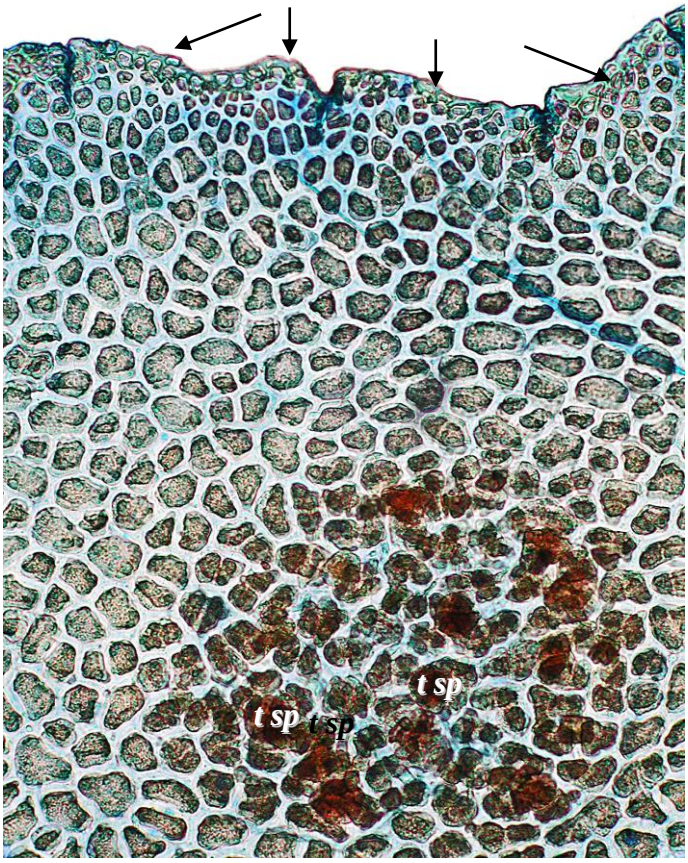
view microscopically to find:
blades are generally 3 cells thick (although single-layered at tips and many layered in old parts); growth is produced from many small cells at the edges of fronds. Accurate identification requires cross sections of cystocarps to locate the ***chains*** of spores characteristic of the Group

Usual Habitat widespread in south eastern Australia (and as far as Perth) on rock, often in deep water

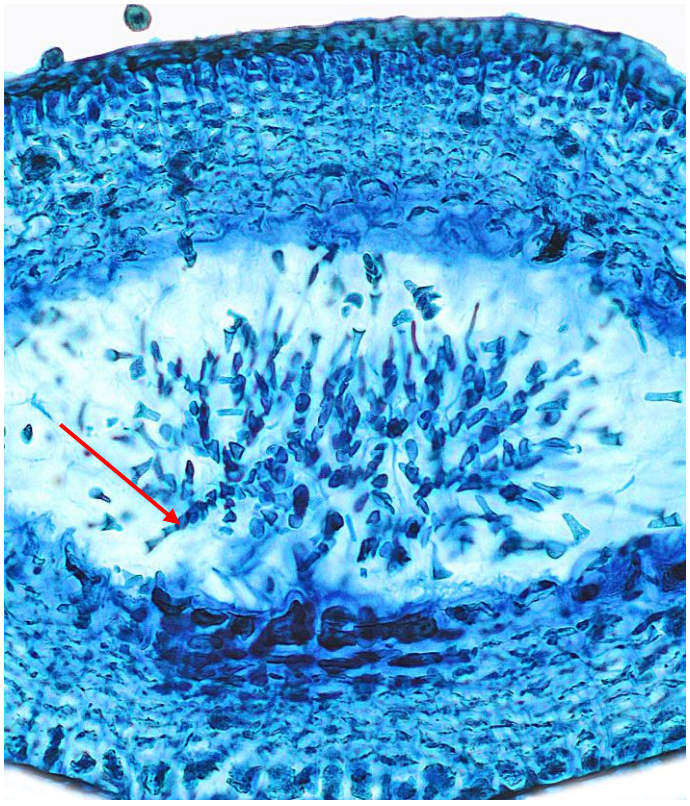
Similar Species *Nitospinosa*, but blade margins of that genus have spinous outgrowths

Description in the Benthic Flora Part IIID , page 108

Details of Anatomy



1. **2.**

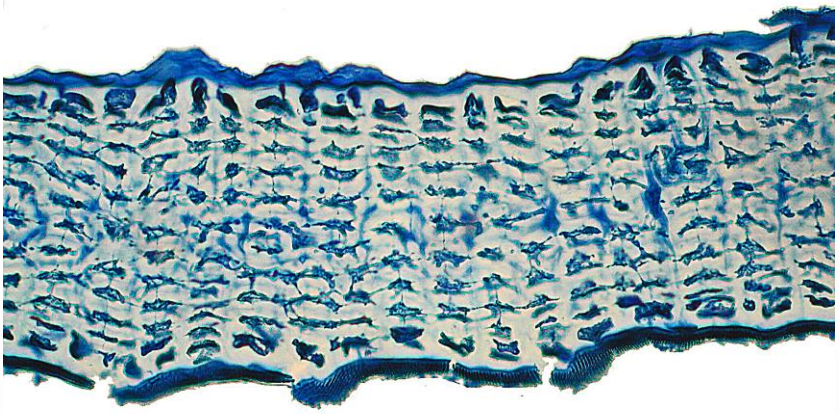


1. detail of a frond edge (slide 17369): edge cells (***arrowed***) responsible for continued growth; a patch (sorus) of tetrasporangia (***t sp***); lack of veins
2. cross section through a cystocarp (slide 17365): chains of cells (one chain ***arrowed***) that develop into spores, a characteristic of the *Myriogramme* Group

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

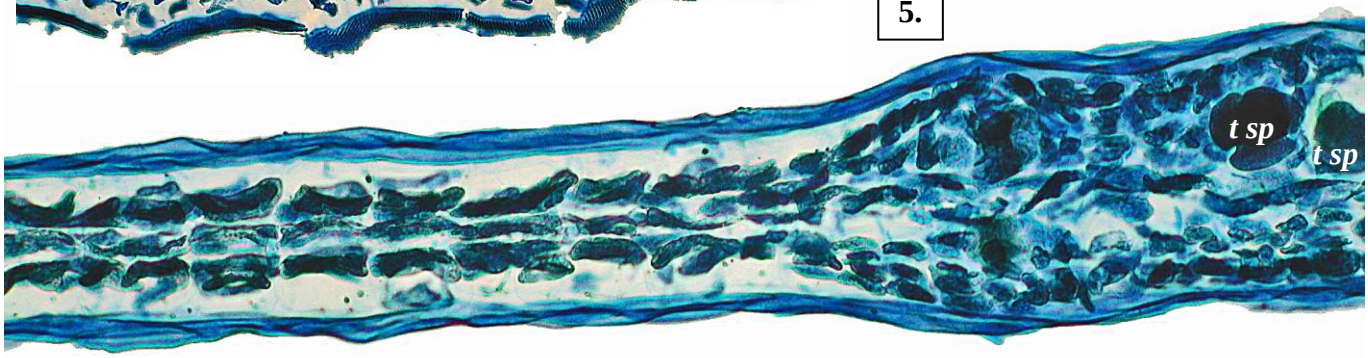
"Algae revealed" R N Baldock, State Herbarium S Australia, March 2003; additions August 2007; edited July 2014

3.



4.

5.



3. *Myriogramme gunniana* (Hooker & Harvey) Kylin A45018; 8m deep in rough water, Crawfish Rock, Western Port, Victoria
4. cross-section through an old blade (slide 17357): many layers of equal-sized cells
5. cross section through a blade (slide 17369): 3 layers of equal-sized cells; a swollen patch (sorus) of tetrasporangia (***t sp)***

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