Areschougia stuartii

Harvey

Techniques needed and shape

Classification *Descriptive name Features

Occurrences Special requirements

Usual Habitat

Similar Species





Phylum: Rhodophyta; Order: Gigartinales; Family: Areschougiaceae thin mini red straps

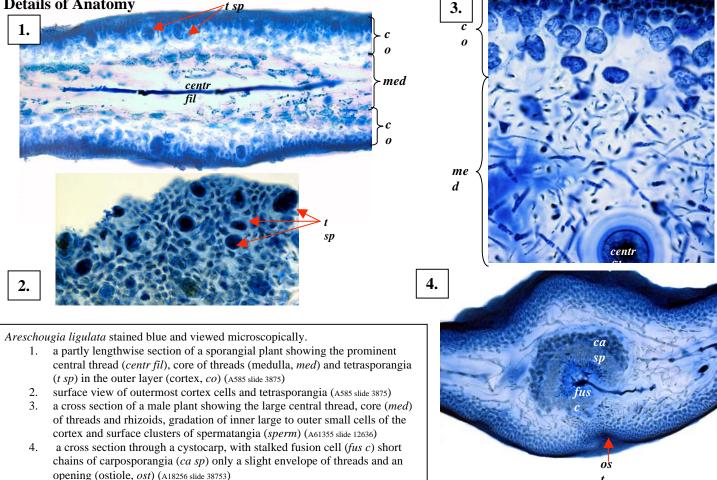
- 1. plants are dark red, *gristly*, 100-200mm tall, with *several* main branches (axes) from the basal holdfast.
- 2. branching occurs in 2 rows from edges of narrow fronds
- 3. side fronds have an *obvious* mid-rib, are pointed with a *narrow base*
- a SE Australian distribution: Kangaroo I., S Australia to Victoria and Tasmania
- 1. slice a window lengthwise along a branch to expose the single, *prominent* central thread producing *single*, branched threads from each of its cells
- 2. cut a cross section and view microscopically to find
 - the single, *prominent and large* central thread (c fil)
 - the central core (medulla, *med*) of a mix of *threads* and rhizoids
 - the outer layer (cortex, *co*) of *equal-sided* (parenchymatous) cells, larger on the inner side, 4-8 cells deep
 - if possible find the products of fertilisation in female plants (cystocarps)
 - in slight *swellings* in the core (medulla) of the small side branches
 - with a prominent *stalked fusion cell*
 - with a *loose* envelope of threads
- 3. sporangial plants have tetrasporangia
 - cigar-shaped and scattered in the outer (cortex) sporangia
 - divided across (zonately) into 4 sporangia

a deepwater species on rough water coasts

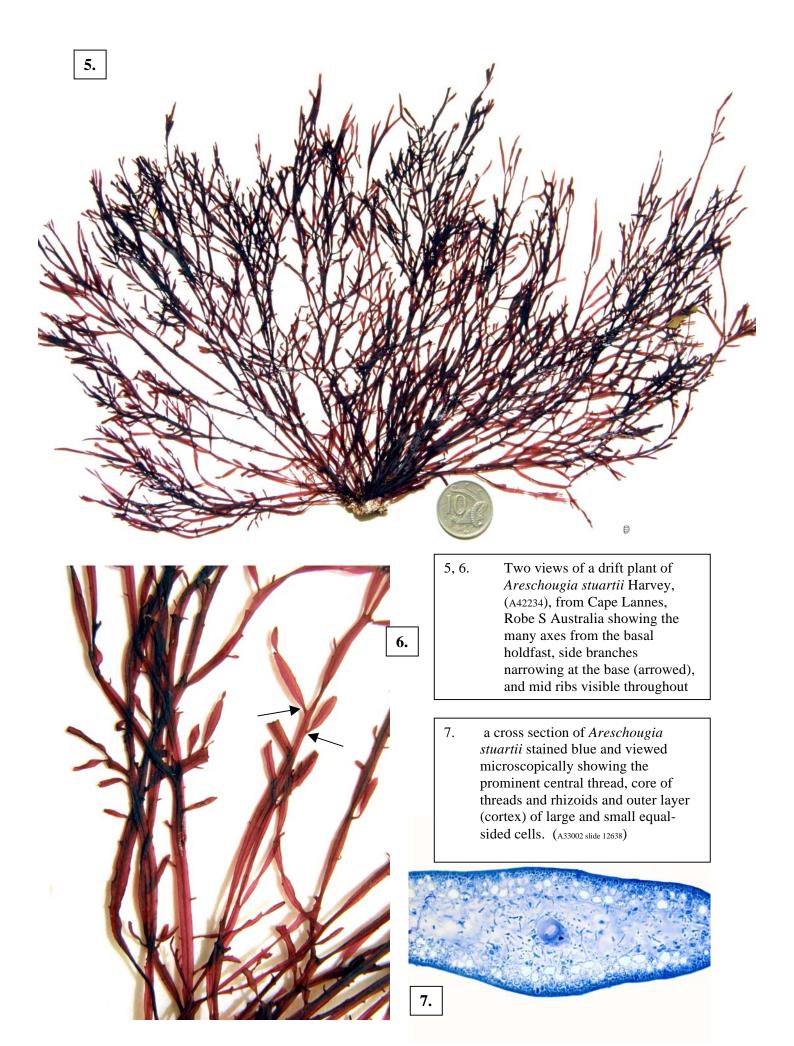
Areschougia ligulata but A. stuartii has a more western distribution, narrower fronds, several main axes and more prominent midrib sperm

Description in the Benthic Flora Part IIIA, pages 357, 360-362 Details of Anatomy

2.



* Descriptive names are inventions to aid identification, and are not commonly used "Algae Revealed" R N Baldock, S Australian State Herbarium, March 2008



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