Anotrichium subtile

Baldock

A SPECIES WITH FEW RECORDS

45.800.68

Techniques needed and shape

Classification

*Descriptive name Features Occurrences

Usual Habitat Special requirements



Phylum: Rhodophyta; Order: Ceramiales; Family: Ceramiaceae Tribe: Griffithsieae

dark red fine tufts

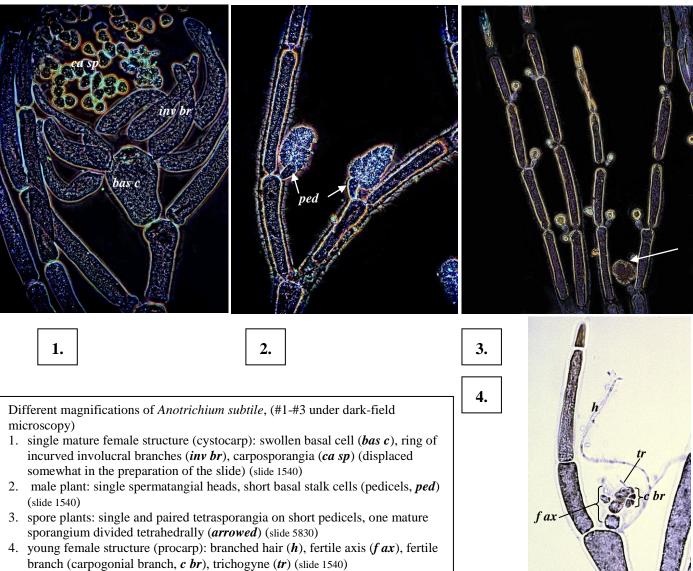
plants dark red, 20-90mm tall, of extremely *fine*, forked threads

only known from the Adelaide metropolitan beaches, S. Australia, Port Phillip, Victoria and Botany Bay, NSW

attached to port structures such as pylons; one specimen on seagrass view plants microscopically to find

- thin filaments of *naked* cells only 18-30 µm across in the middle of the plant
- in female plants: *basket-shaped* mature female structures (cystocarps), a ring of 12-13, incurved sterile cells (*involucral branches*) at the top of an *inflated* basal cell; central masses of spores (carposporangia)
- in male plants: *stalked heads* of spermatiangia, single along filaments
- in spore plants: single tetrasporangia on short stalk cells (*pedicels*)single or paired in uppermost branches

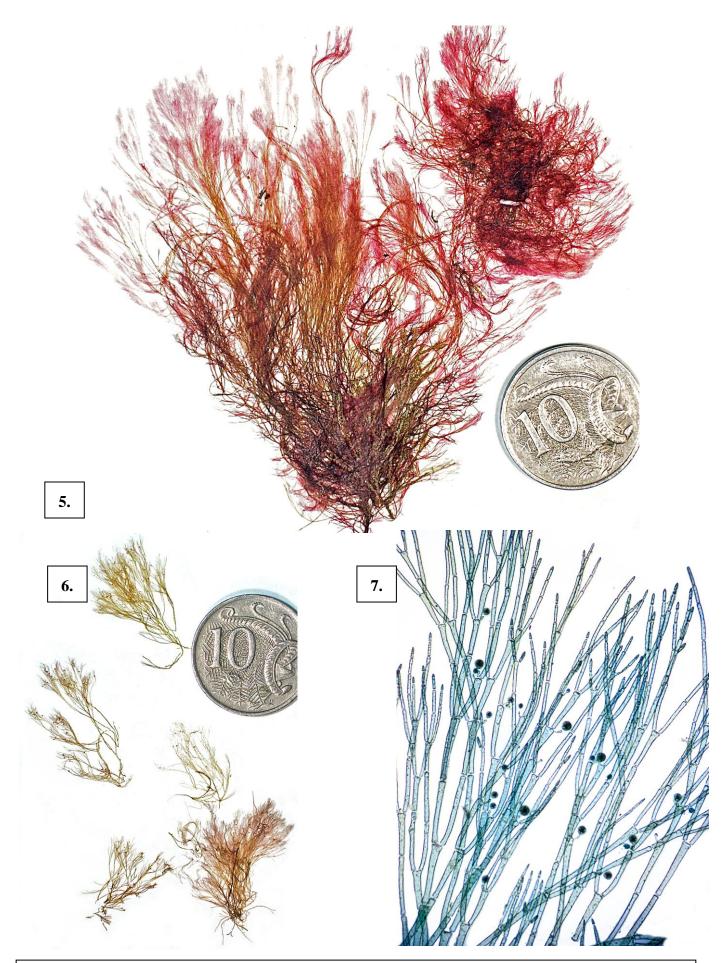
Description in the Benthic Flora Part IIIC, pages 342, 345-347 **Details of Anatomy**



* Descriptive names are inventions to aid identification, and are not commonly used "Algae revealed", R N Baldock, October 2005, additions November 2007; revised July 2014

Similar Species

Griffithsia (=*Anotrichium*) *multiramosum* from Baja California but this species has larger cells



Anotrichium subtile Baldock
5, 6. from Semaphore Beach, S. Australia A32281, showing variation in colour
7. stained blue and viewed microscopically (slide: 5830): extremely fine forked threads, minute, stalked tetrasporangia