

Techniques needed and shape

Classification

*Descriptive name **Features**

Occurrences **Usual Habitat Special requirements**

Similar Species



view plants microscopically to find in female plants: mature female structures (cystocarps) forming bumps on one side of upper vegetative cells, each cystocarp containing masses of spores (carposporangia), a minute, basal, disc-shaped cell bearing in a semi-circle 6-10 two-celled involucral branches, basal cells of which are small, end cells large, swollen and incurved in male plants: cloud-like masses of spermatangia produced on minute branchlets in

plants about 170mm tall: those on intertidal rocks forming stiff, dense, red mats bleaching

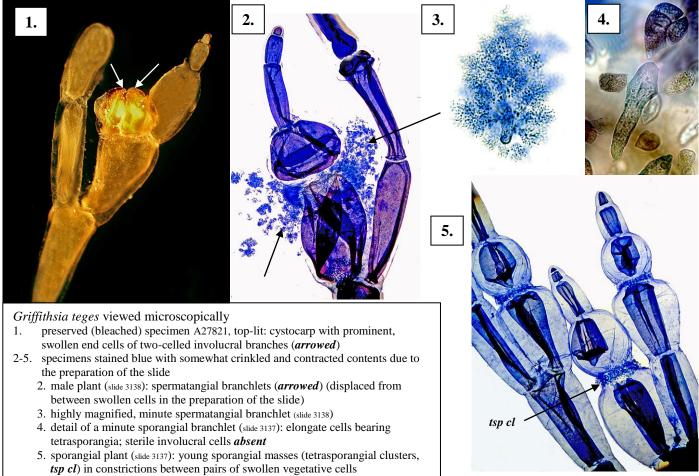
to yellow, those in shallow water more loosely branched; cells up to 3mm long, cylindrical or barrel-shaped, 2-4 times longer than wide, forming forked threads

the constrictions between a pair of *inflated* cells near plant tips; the upper cell of the pair is ball-shaped and, together with the cylindrical thread above it, is often lost, so that spermatangial masses then appear as a terminal cap on the lower, pear-shaped member of the original pair of cells. Sterile involucral cells are absent

in sporangial plants: tetrasporangia produced on minute branchlets in masses between pairs of swollen cells in an *identical* arrangement to spermatangia. Sterile involucral cells are *absent*.

sterile plants superficially resemble Anotrichium crinitum, but that species has narrower threads. The pairs of swollen cells associated with sporangia and spermatangial masses, characteristic of G. teges, are **absent** in that species

Description in the Benthic Flora Part IIIC, pages 322-326 **Details of Anatomy**



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intertidal red-thread mat plant

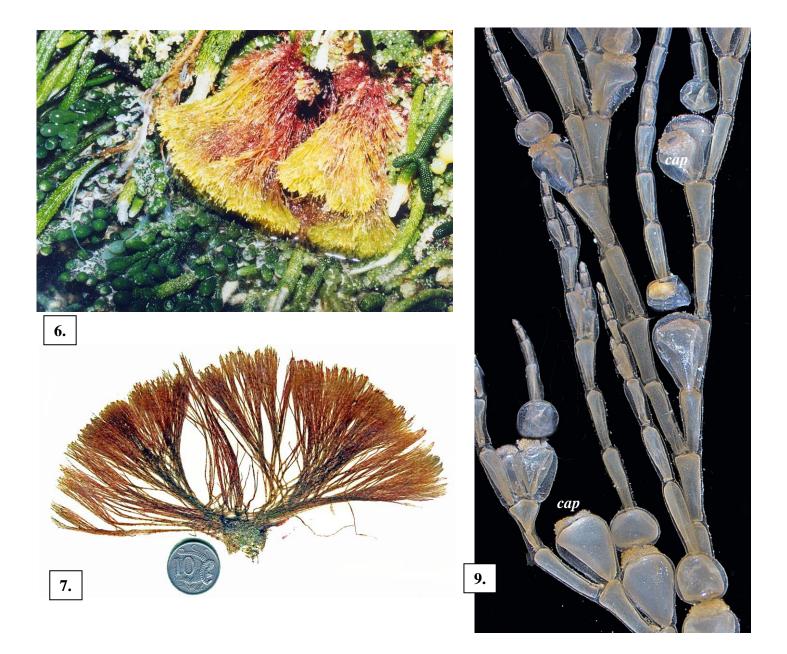
from SW W Australia to Wilsons Promontory and Bass Strait, Victoria

widespread, in the mid to lower intertidal, on rock and jetties, to 21m deep



Tribe: Griffithsieae







Griffithsia teges Harvey

6. mat-like wads amongst green *Caulerpa* spp in the intertidal, Robe, S Australia

- sterile plant (A110249) from shallow water at Robe, S Australia, with coarse, parallel branching and a wad of matted threads and rhizoids at the base
- 8. piece of drift sporangial plant, A66715, from Port MacDonnell, S Australia, with open branching
- 9. preserved (bleached) specimen (A66715): threads and swollen cells above sporangial masses are being lost, leaving terminal cap-like sporangial clusters (*cap*) behind

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