Hypoglossum dendroides
(Harvey) J Agardh

45.880

Techniques needed and shape



Classification Division: Rhodophyta; Family: Delesseriaceae; Tribe: Delesserioideae
Group: *Hypoglossum*

***Descriptive name** Tree-shaped Cellophane Plant (referring to the trunk-like stalk and upper "canopy" of leaf-like blades)

Features

1. plants 50-300mm tall, dark red, central stalk ***prominent***
2. narrow lance-shaped blades **1-*cell thick***, except for midline veins, are concentrated in upper parts like foliage on a tree; edges of blades are smooth, or have only insignificant microscopic projections
3. branching is ***opposite*** except at the plant tips; small bladelets arise from the mid-line ***veins*** of blades

Variations

1. irregular branching, caused by the loss one member of the opposite pairs of branches
2. upper blades may be shed annually or denuded; the main stalk is probably perennial and periodically replaces them

Special requirements

1. view the opposite branching pattern and blades that are 1-cell thick
2 view microscopically the single apical cell that produces an obscure vein generating the regular rows of cells making up the blades and bladelets

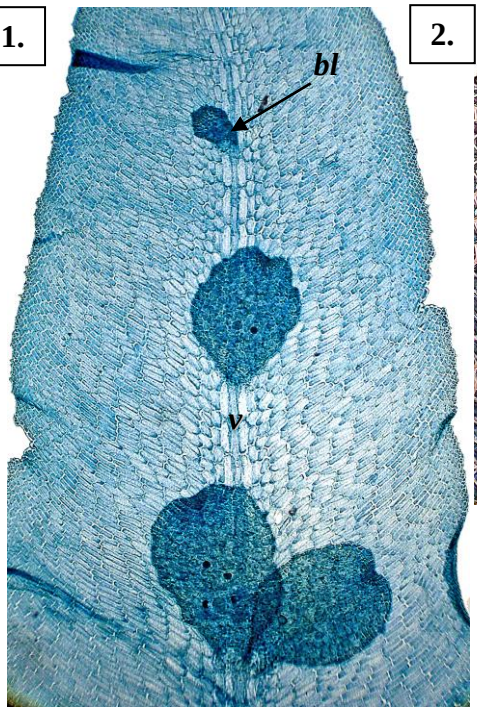
Occurrences from southern W Australia to Eyre Peninsula, S Australia
Usual Habitat on rock, 5-38m deep

Similar Species *Hypoglossum protendens*, but this is not tree-like, and does not have opposite branching

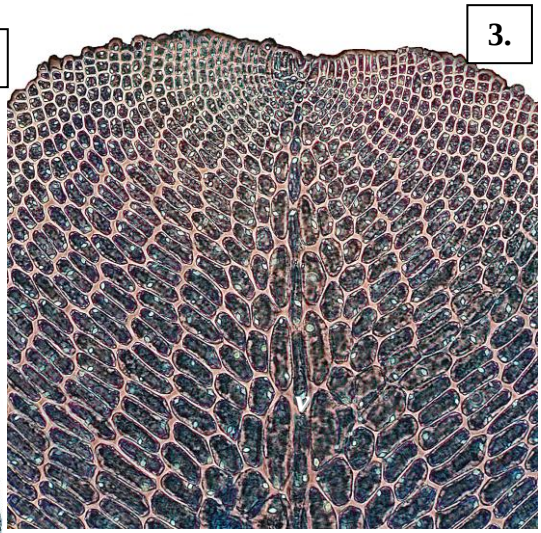
Description in the Benthic Flora Part IIID , page 56-59

Details of Anatomy

1.



2.



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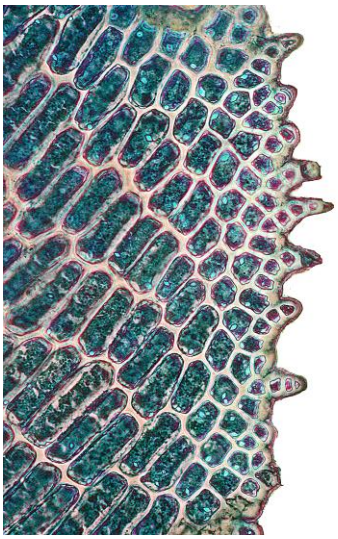

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Hypoglossum dendroides, blades stained blue and viewed microscopically

1. microscopic midline vein (***v***) from which bladelets (***bl***) are generated (slide 0907)
2. blade tip: the single apical cell has produced a thread that becomes microscopic vein (***v***) (slide 0908)
3. blade edge: microscopic outgrowths, regular cell rows (slide 0908)

* 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 April 2014

Hypoglossum dendroides (Harvey) J Agardh, A13547b; a drift plant from Elliston, S Australia

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