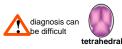
Techniques needed and plant shape

Classification *Descriptive name Features

Occurrences **Usual Habitat Special requirements**





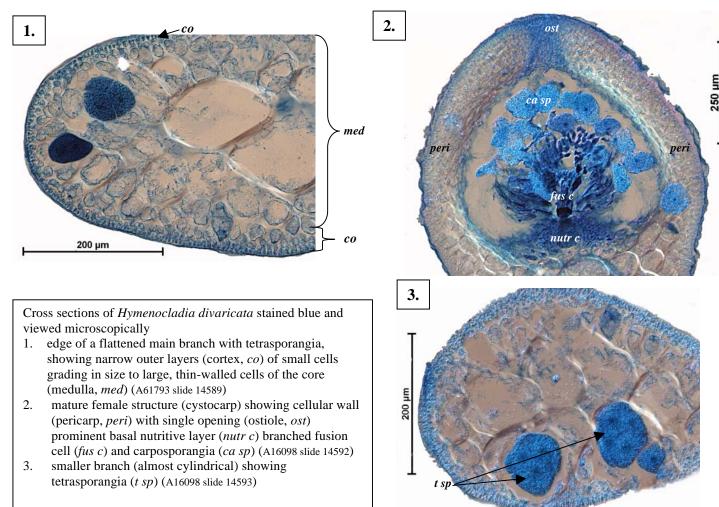
3. sporangia scattered in the outer part of the medulla, divided tetrahedrally

Similar Species

Description in the Benthic Flora

Part IIIB, pages 109-111

longer in that species



*Descriptive names are inventions to aid identification, and are not commonly used "Algae Revealed", R N Baldock, S Australian State Herbarium December 2010

MACRO 6

Phylum: Rhodophyta; Order: Rhodymeniales; Family: Rhodymeniaceae spiky strapweed

PLANT

- 1. yellow-brown red to red-brown, 50-180 mm tall, flat-branched
- 2. main parts (axes), strap-like, 2-5 mm wide, side branches 20-100mm long, diverging from axial edges, some at right angles,
- 3. ultimate branches (ramuli) 1-2 mm long, < *Imm wide*, almost *cylindrical*, some forked, on branch edges and on surfaces, pointing upwards or downwards

4. mature female structures (cystocarps) pustulate, on surfaces or edges of smaller branches Albany, W Australia to Cape Jaffa, S Australia

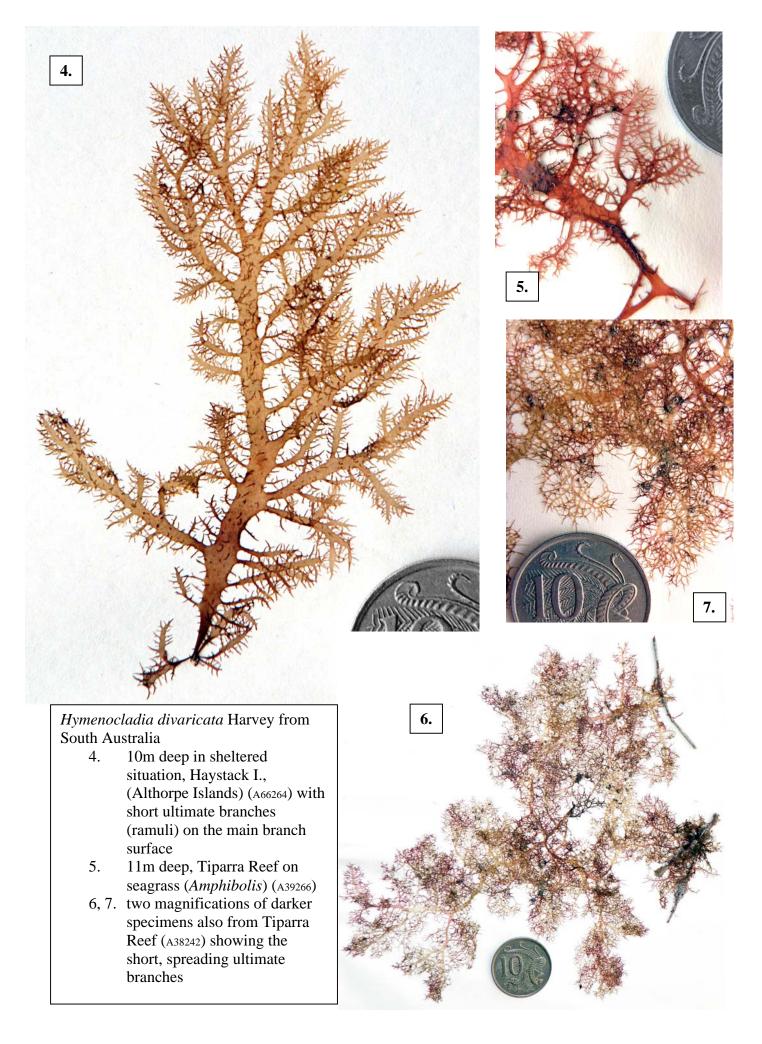
on seagrasses, or rock? to 11 m deep

- 1. cut sections of blades and examine microscopically to find narrow outer (cortical) layers of 1-2 layers of small cells grading in size to *thin-walled* large cells of the core (medulla) 4-6 cells wide
 - 2. cut sections of pustulate, mature female structures (cystocarps) to find small eggshaped cells forming a wall (pericarp), single prominent external opening (ostiole), mass of carposporangia, prominent nutritive cells basally, complex branched fusion cell and envelope of threads initially present, but disintegrating

Hymenocladia usnea but main branches are wider and ultimate branchlets (ramuli) much



flat-branched



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