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 July 2014

### Myriogramme gunniana
(Hooker & Harvey) Kylin

#### Techniques needed and shape

#### Classification
Division: Rhodophyta; Family: Delesseriaceae; Tribe: Nitophyloideae
Group: *Myriogramme*

#### Descriptive name
`tattered, dark Cellophane Plant`

#### Features
- Plants dark red-brown, of **flat** blades **irregularly divided**, looking as if they have been slashed, veins **absent**. Some plants have a **stalk-like base** where the flat blades have been eroded away.

#### Variations
- Small holes may appear in the fronds due to grazing by animals.

#### Special requirements
- View microscopically to find:
  - Blades are generally 3 cells thick (although single-layered at tips and many layered in old parts);
  - Growth is produced from many small cells at the edges of fronds.
- Accurate identification requires cross sections of cystocarps to locate the **chains** of spores characteristic of the Group.

#### Usual Habitat
Widespread in south eastern Australia (and as far as Perth) on rock, often in deep water.

#### Similar Species
- *Nitospinosa*, but blade margins of that genus have spinous outgrowths.

#### Description in the Benthic Flora
Part IIIID, page 108

#### Details of Anatomy

1. Detail of a frond edge (slide 17369): edge cells **(arrowed)** responsible for continued growth; a patch (sorus) of tetrасosporangia (**t sp**); lack of veins.
2. Cross section through a cystocarp (slide 17365): chains of cells (one chain **arrowed**) that develop into spores, a characteristic of the *Myriogramme* Group.

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3. *Myriogramme gunniana* (Hooker & Harvey) Kylin A45018; 8m deep in rough water, Crawfish Rock, Western Port, Victoria

4. cross-section through an old blade (slide 17357): many layers of equal-sized cells

5. cross section through a blade (slide 17369): 3 layers of equal-sized cells; a swollen patch (sorus) of tetrasporangia (*t sp*)

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