

Sargassum kendrickii

Goldberg & Huisman

Syn. *S. flindersii* Womersley

A SPECIES WITH FEW RECORDS

34.960



MACRO
PLANT

Techniques needed and plant shape

Classification

Phylum: Phaeophyta; Order: Fucales; Family: Sargassaceae
Sub-genus: Phyllotrichia (lower side branches flat, pinnately branched)

*Descriptive name

serrated Sargassum

Features



plants dark brown, 100-300mm long, flat-branched, with a short stalk, several main upright axes basally **flat** but becoming cylindrical towards the tips, lower side branches leaf-like, oppositely branched (pinnate), edges serrated, upper branches thin and flat, edges also serrate.

Fertile structures (receptacles) **egg-shaped**, often warty, in a short branch system in the upper parts

Occurrences

the Recherche Archipelago, W Australia, "The Hotspot", W of Flinders I., and Egg I., Isles of St Francis S. Australia,

Usual Habitat

a deep water species, 32m deep, 32-38m deep

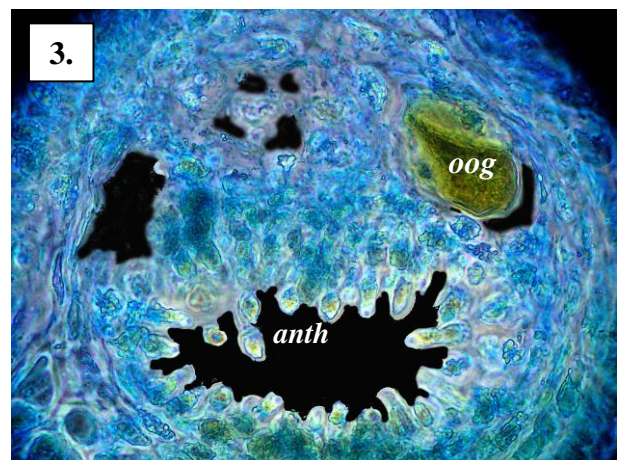
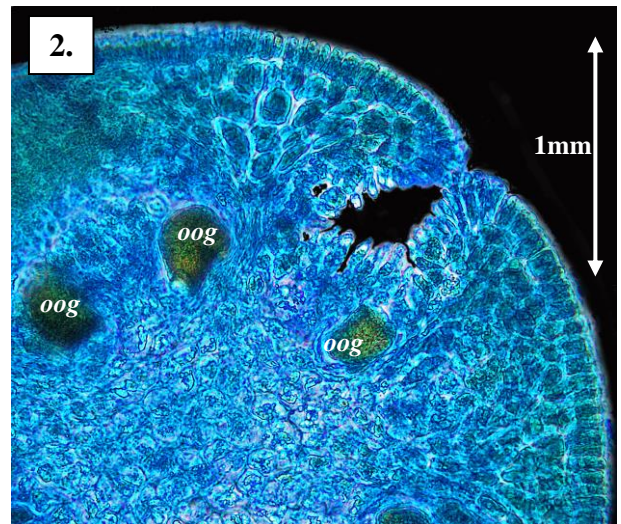
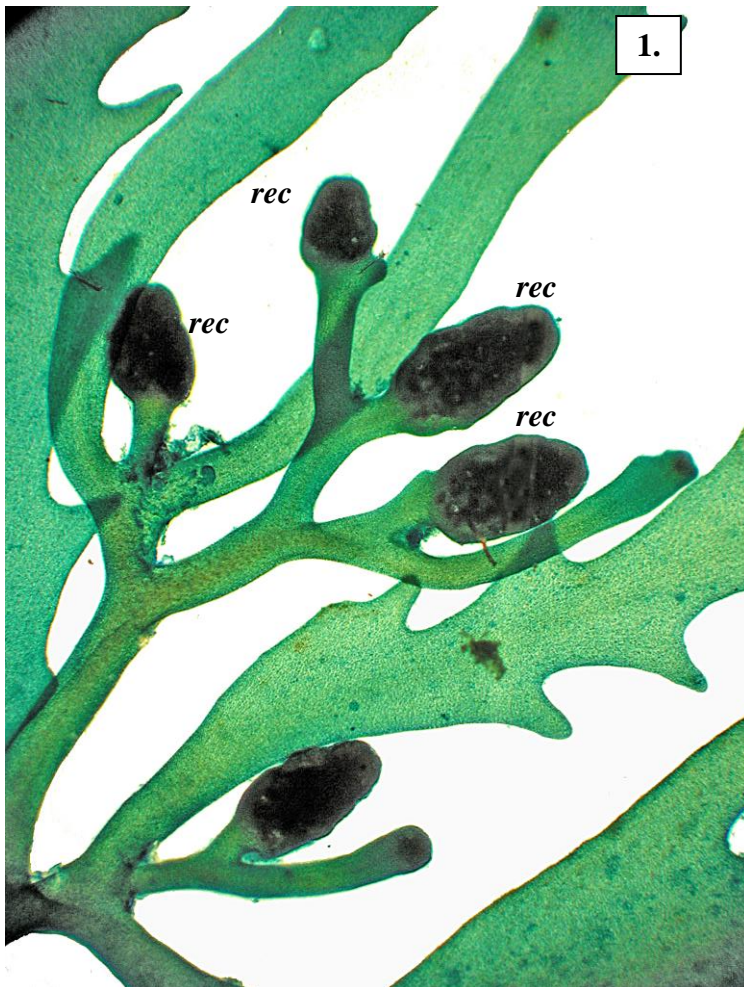
Similar Species

distinctive because of the serrated edges of both upper and lower "leaves"

Description in the Benthic Flora

not in the Flora. See Goldberg, N A & Huisman J M (2004) *Sargassum kendrickii* (Fucales, Phaeophyceae), a new species of the subgenus *Phyllotrichia* from southern Australia and for the synonym, Womersley H BS (2004) **Additions to the marine algal flora of southern Australia.** *Trans. R. Soc. S. Aust.* **128** (2), 205-212

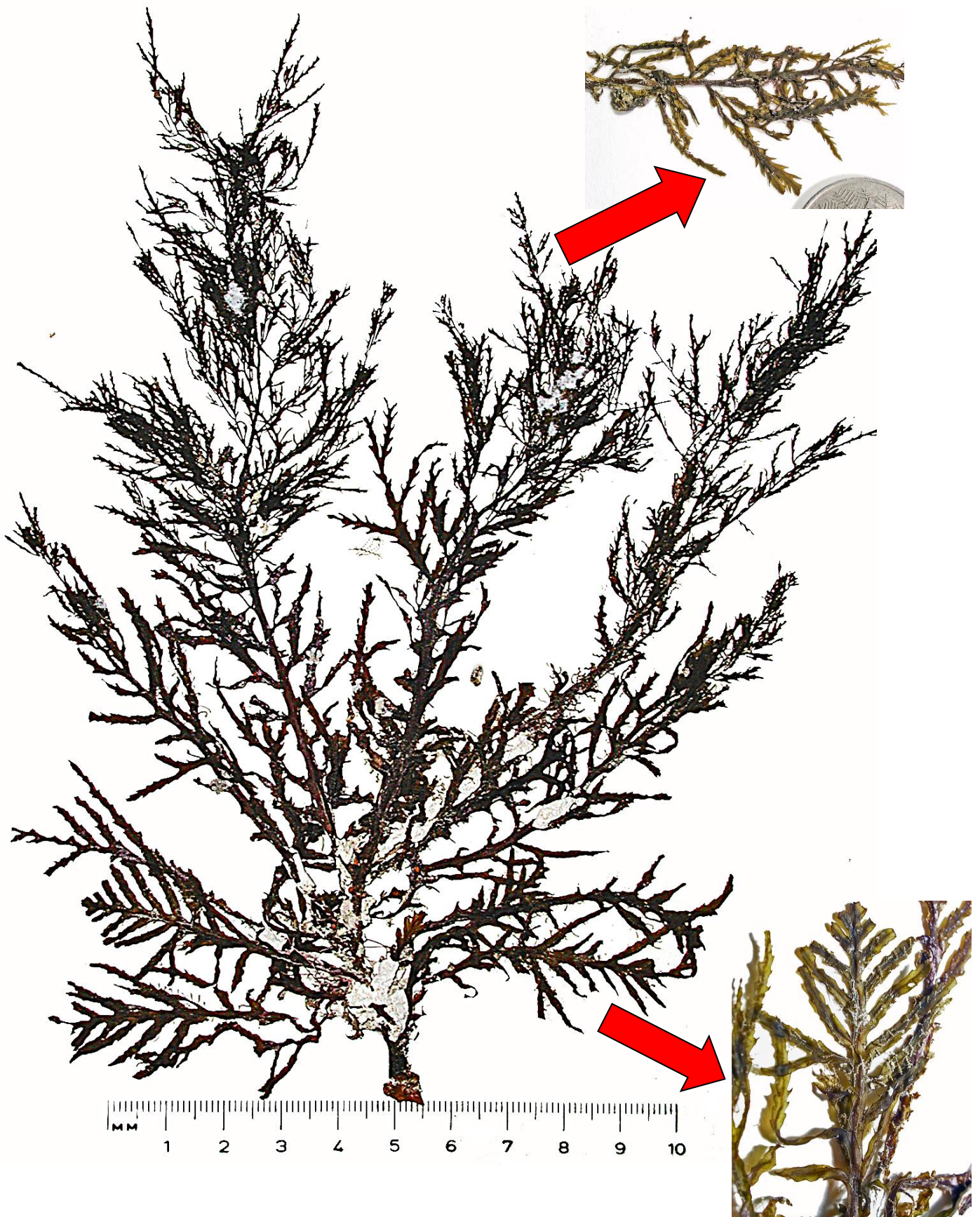
Details of Anatomy



Sargassum kendrickii Goldberg & Huisman A59294

1. preserved specimen (bleached green): branching pattern of receptacles (**rec**) in the angle between adjacent serrated upper branches
- 2, 3. cross sections of fertile structures (slide 20396) stained blue and viewed microscopically at different magnifications: large brown eggs (**oog**) in fertile pockets (conceptacles), mixed with hairs and male organs (antheridia, **anth**)

* Descriptive names are inventions to aid identification, and are not commonly used
"Algae Revealed" R N Baldock, State Herbarium S Australia, January 2007; revised August 2014



Sargassum kendrickii Goldberg & Huisman, A59294, from “The Hotspot” W of Flinders I., S Australia

Inserts:

Magnified views of upper and lower parts showing branching in one flat surface in 2 ranks (distichous) with serrate edges of ultimate parts (pinnae)