Lophocladia trichoclados (C. Agardh) J. Agardh

phylum Rhodophyta › class Florideophyceae › order Ceramiales › family Rhodomelaceae

Description

Filamentous, erect algae, 3-5 cm tall, deep red, attached to the substrate by rhizoids or discs. Branching dichotomous to irregular. Filaments 50-60 µm in diameter, producing 4 pericentral cells, partially corticated only in the basal portions. Trichoblasts deciduous, dichotomously branched in several orders, produced one per segment, spirally arranged. Tetrasporangia in stichidia, tetrahedral, spherical, 40-50 µm in diameter, one per segment, spirally arranged, arising from a fork in the suprabasal cell of the trichoblasts.

Geographic and Ecological Information

Collected for the project at

• Dos Mosquises Norte
- Geographic coordinates: 11º 48' 17.0'' N, 66º 53' 19.6'' W • UTM coordinates: 730038 E, 1305826 N
Coral reef, up to 10 m deep, moderate waves.
• Los Canquises Arriba
- Geographic coordinates: 11º 54' 42.3'' N, 66º 50' 24.1'' W • UTM coordinates: 735261 E, 1317710 N
Sandy bottom with isolated corals, up to 25 m deep, moderate waves, moderate current.

References

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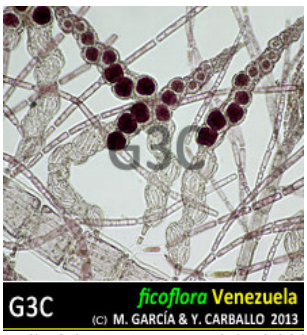
Habit.



Middle portion of the thallus showing tetrasporangial stichidia



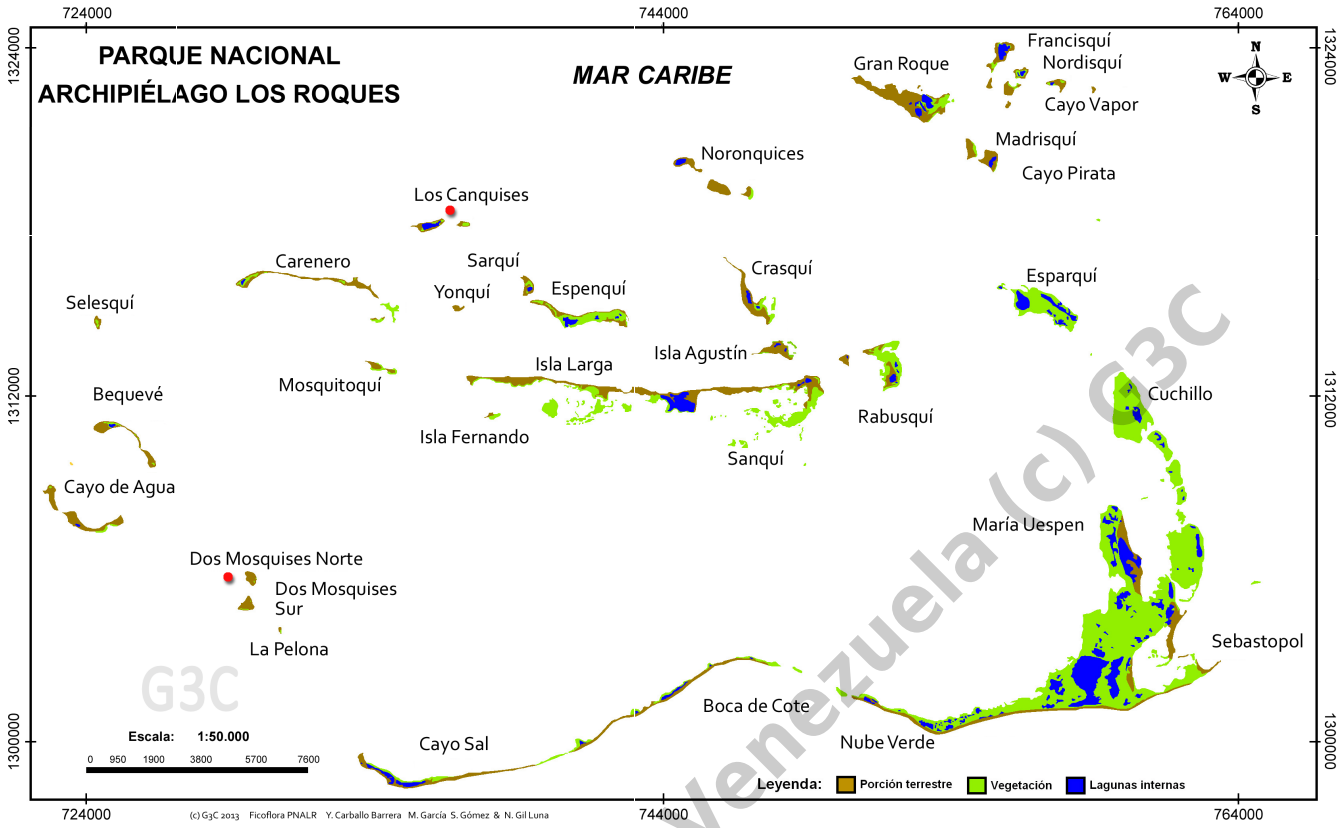
Detail of the apical portion



Detail of the tetrasporangial stichidia

Proyecto Ficoflora Venezuela (C) G3C

Geographic distribution



Proyecto Ficoflora Venezuela (c) G3C