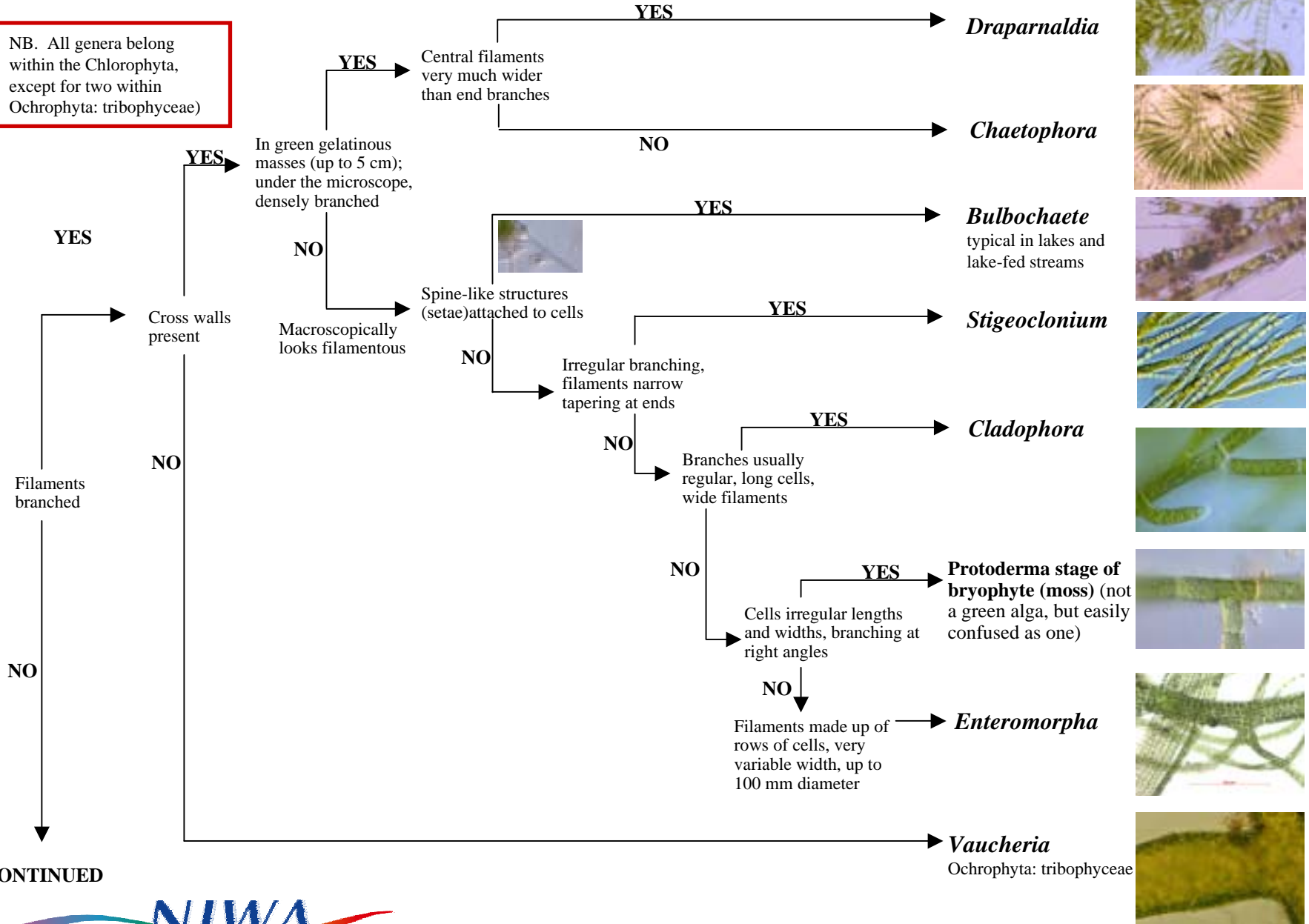


Quick Guide to Common Filamentous Green Algae

By Cathy Kilroy

NB. All genera belong within the Chlorophyta, except for two within Ochrophyta: tribophyceae)



CONTINUED

Vaucheria
Ochrophyta: tribophyceae



CONTINUED

Filaments
not
branched

Cells clearly
separated within
the filament

NO

Cells
arranged
end to end

NO

YES

Cell wall
lamellated
(layered)



YES

Cylindrocapsa



NO

Geminella



YES

Tribonema

Ochrophyta: tribophyceae



YES

Multiple small
chloroplasts



NO

Microspora



YES

Spirogyra



YES

Chloroplast
clearly spiral

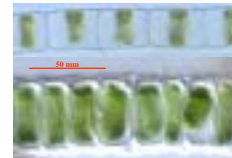
NO

Mougeotia



YES

Ulothrix



YES

Klebsormidium



NO

Oedogonium



NO

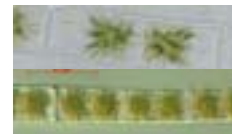
Chloroplast a
lengthwise sheet
or ribbon, flat or
twisted

YES

Chloroplast a
complete or near-
complete ring

YES

Zygnema



NO

Chloroplast
curving around
the cell wall

Scarring
(concentric rings)
on some cells

NO

Chloroplasts
in pairs

NO Very long cells

Rhizoclonium



For short cells, check
Melosira (see diatom
key)