

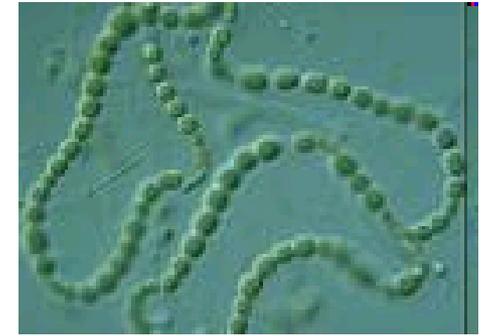
Microbial Mat Cyanobacteria and Algae



Plectonema- light sensitive



Leptolyngbya- light sensitive



Nostoc- ultraviolet radiation resistant, nutrient source



Oscillatoria- helps with mat structure



Spirulina- food source



Lyngbya- ultraviolet radiation tolerant, dry tolerant, nitrogen fixer

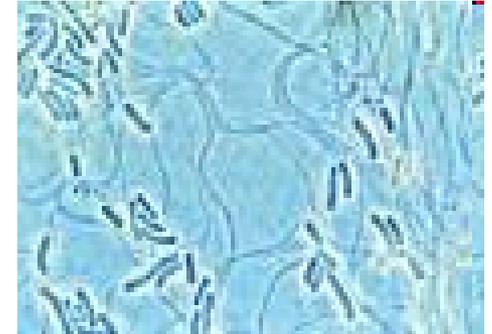
Microbial Mat Cyanobacteria and Algae



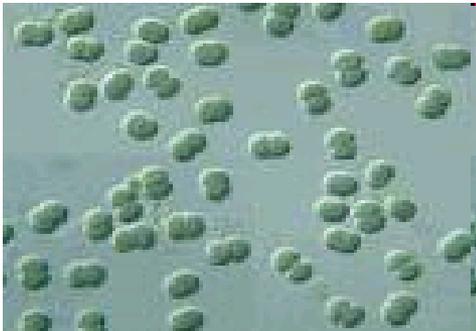
Leptolyngbya- light sensitive



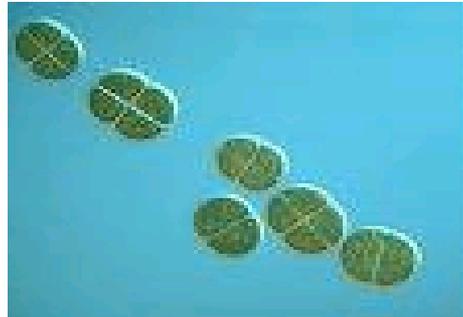
Gleocapsa – ultraviolet radiation tolerant



Synechococcus – light sensitive



Synnechocystis – light sensitive, fuel source



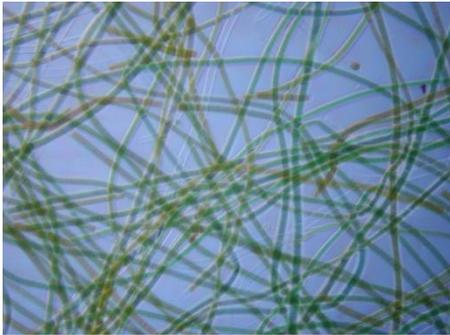
Chroococcus- light sensitive



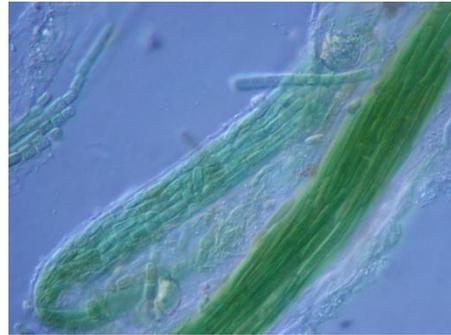
Amphora- fuel source

Elkhorn Slough Microbial Mat Cyanobacteria and Algae

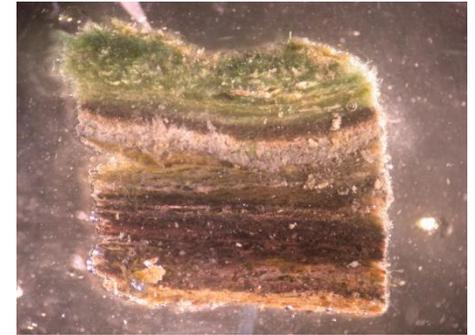
Photos by Luke Burow and Dagmar Woebken



Lyngbya- ultraviolet radiation tolerant, dry tolerant, nitrogen fixer



Microcoleus – Bundle former



Laminated structure of the mat



Mixture of organisms – including eukaryotic algae



Mixture of organisms – mostly *Lyngbya*



Mixture of organisms – mostly *Microcoleus*