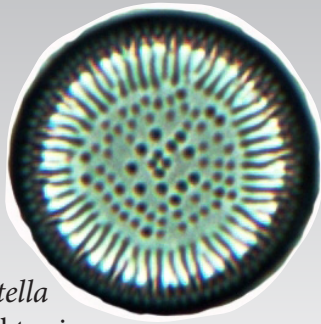


Diatom ID



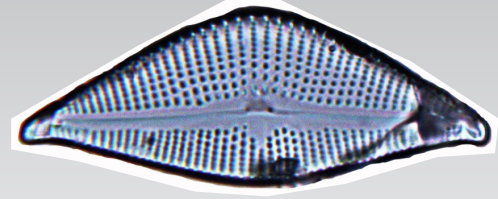
Genus: *Cyclotella*

Habitat: planktonic

Optimal Growth Conditions: low nutrients, clear water

Limiting Factors: eutrophication, nutrients, competition with other species

Diatom ID



Genus: *Cymbella*

Habitat: Benthic, free-moving, or attached on rocks and other surfaces

Optimal Growth Conditions: clear water

Limiting Factors: lack of light (to photosynthesize) due to overgrowth of other plant material in the water, nutrients

Diatom ID



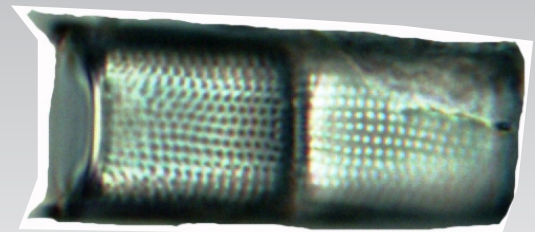
Genus: *Cocconeis*

Habitat: Benthic, epiphytic (lives on plants)

Optimal Growth Conditions: clear water for photosynthesis, sufficient nutrients

Limiting Factors: lack of light (to photosynthesize) due to overgrowth of other plant material in the water, nutrients, habitat loss

Diatom ID



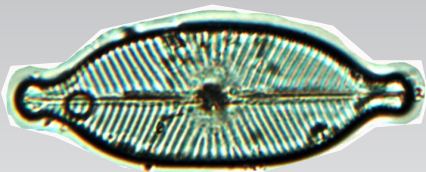
Genus: *Aulacoseira*

Habitat: planktonic, forms long chains

Optimal Growth Conditions: lots of nutrients, not sensitive to stress, eutrophic conditions

Limiting Factors: nutrients (phosphorus, silica)

Diatom ID



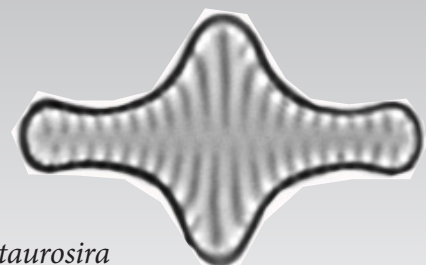
Genus: *Navicula*

Habitat: benthic, freely moves on rocks & plants

Optimal Growth Conditions: clear water for photosynthesis, sufficient nutrients

Limiting Factors: lack of light (to photosynthesize) due to overgrowth of other plant material in the water, nutrients

Diatom ID



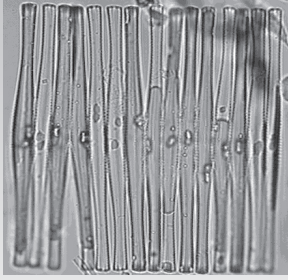
Genus: *Staurosira*

Habitat: epibenthic (live on sand) in shallow littoral areas

Optimal Growth Conditions: sandy substrate, clear water, sufficient nutrients

Limiting Factors: eutrophication, light, nutrients

Diatom ID



Species: *Fragilaria crotonensis*

Habitat: planktonic, forms long chains

Optimal Growth Conditions: lots of nutrients;
grows well in eutrophic water

Limiting Factors: nutrients (phosphorous)



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