



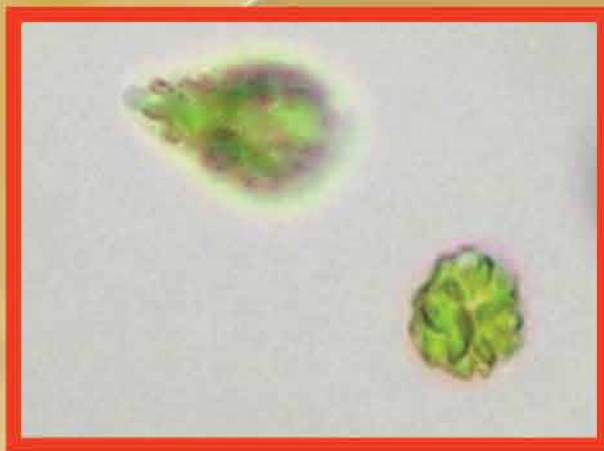
Harmful Algal Blooms (HABs)

HABs Facts:

- Harmful Algal Blooms (HABs) are a growing problem in U.S. coastal waters, as well as around the world.
- Some HABs produce toxins that can kill fish or contaminate shellfish resources. Others produce so much biomass as to disrupt aquatic life through low dissolved oxygen or smothering. At present, there are few to no practical remediation strategies depending on the scope of the water body affected. Reductions of nutrients entering water bodies should limit the extent of blooms of many species.
- The best thing that researchers, resource managers and public health officials can do is to monitor for the presence of HABs and respond to events in a coordinated fashion to minimize their potential effects to public health and aquatic resources.
- These cells have been seen locally. The **red highlighted** cells have been shown to contain some toxin in DE.

DELAWARE'S LEAST WANTED:

POTENTIAL FISH KILLERS



**CHATTONELLA CF.
VERRUCULOSA**



**CHATTONELLA
SUBSALSA**



**HETEROSIGMA
AKASHIWO**



**FIBROCAPSA
JAPONICA**



**KARENIA
PAPILIONACEA**



**KARENIA
BREVIS**



**ALEXANDRIUM
SPP.**



**AMPHIDINIUM
SPP.**



**KARLODINIUM
VENEFICUM**



**DINOPHYSIS
ACUMINATA**



**PROROCENTRUM
MINIMUM**

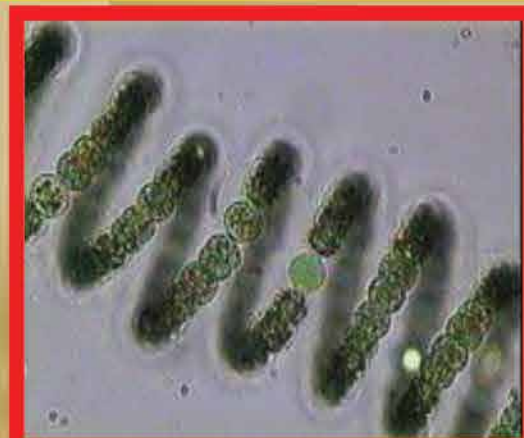


**PROROCENTRUM
SCUTELLUM**



**PSEUDONITZSCHIA
SPP.**

POTENTIAL SHELLFISH CONTAMINATORS



ANABAENA SPP.



APHANIZOMENON SPP.



CYLINDROSPERMOPSIS SPP.



MICROCYSTIS SPP.



SNOWELLA SPP.

POTENTIAL FRESH WATER TOXIFIERS



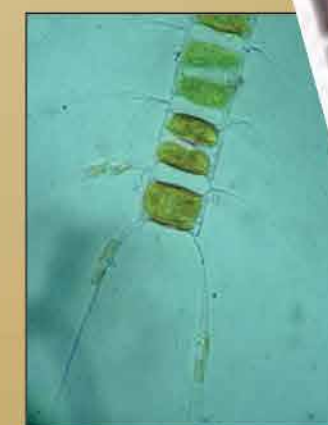
**GYRODINIUM
INSTRIATUM**



**HETEROCAPSA
ROTUNDATA**



**KRYPTOPERIDINIUM
FOLIACEUM**



**CHAETOCEROS
SPP.**

POTENTIAL NUISANCE BIOMASS ACCUMULATORS

