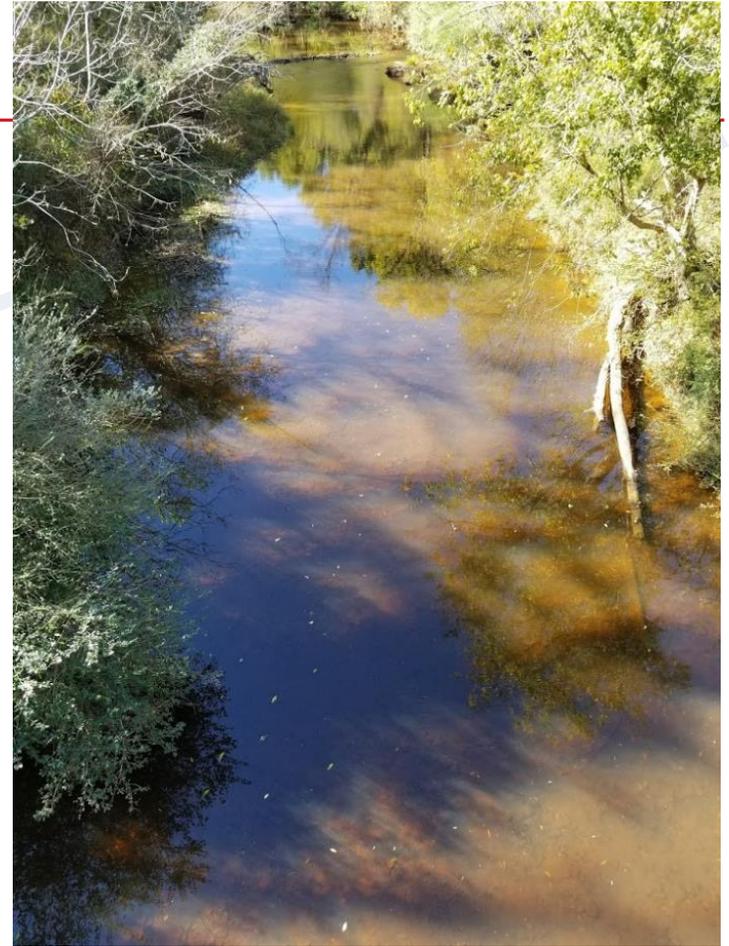




Hillsborough:
before and
after
treatment





**Watermeal Infested Pond at
Treatment**

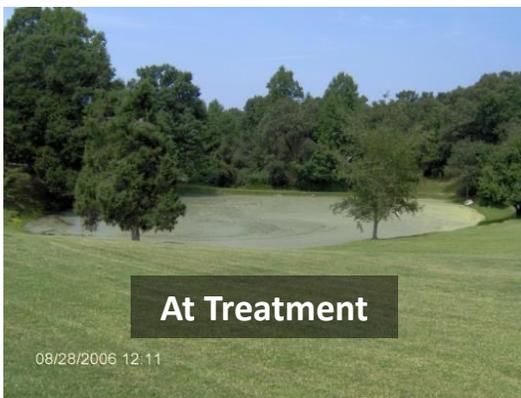
08/28/2006 12:11





**1 Month after Treatment
45 ppb fluridone**





At Treatment



1 MAT



12 Month after Treatment
45 ppb fluridone

Before and After



Pretreatment



2 WAT
400ppb flumioxazin



Aquatic Plant Management

Before and After



Pretreatment



4 MAT
30ppb fluridone
fb 100 ppb flumioxazin



Aquatic Plant Management

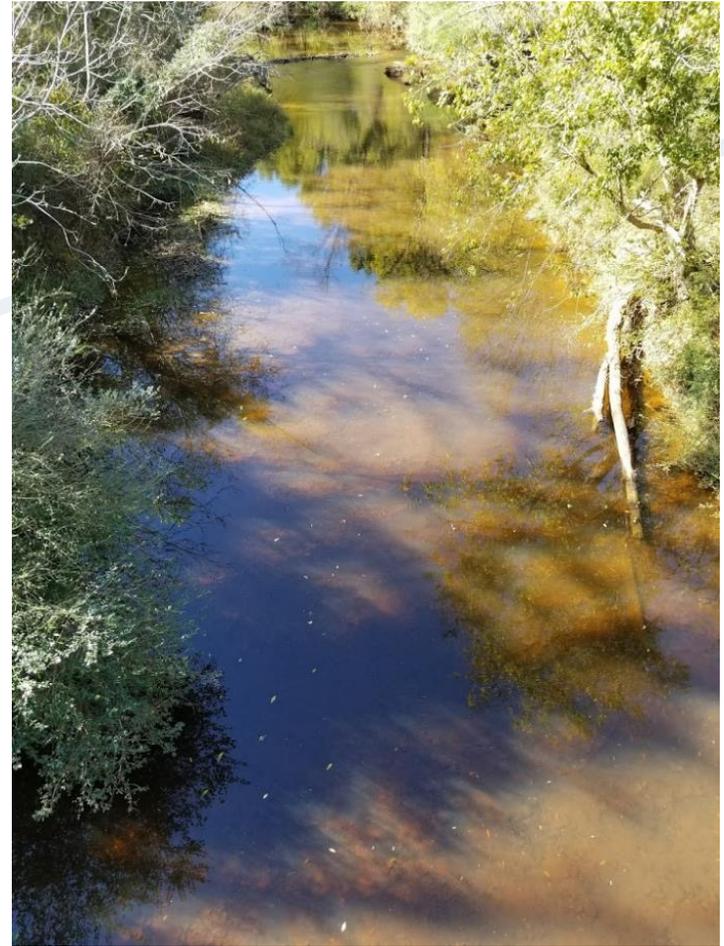


August conditions at Pleasant Green: 2011 before management (top) and 2016 post two years of treatment (bottom)





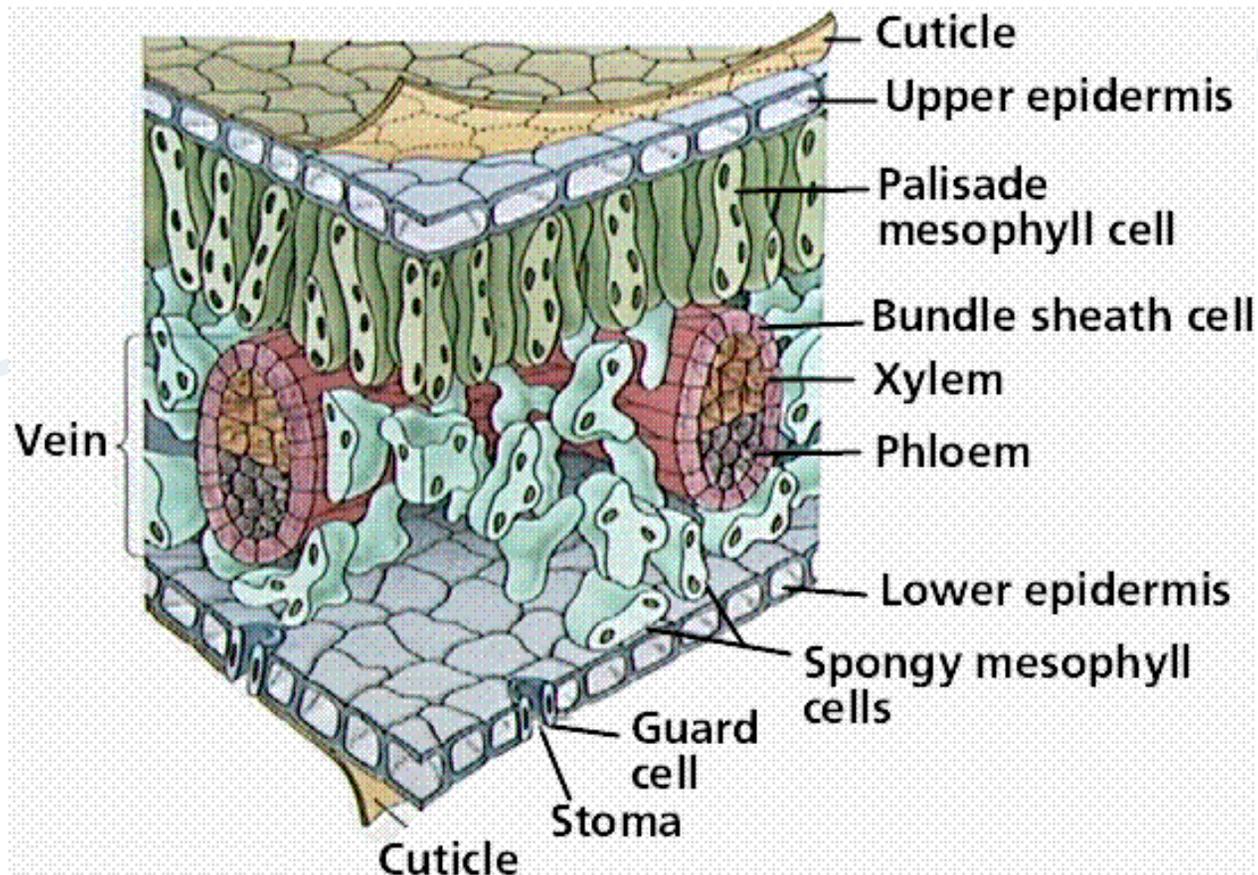
Hillsborough:
before and
after
treatment



Native, Desirable Riffleweed



Why use surfactants?



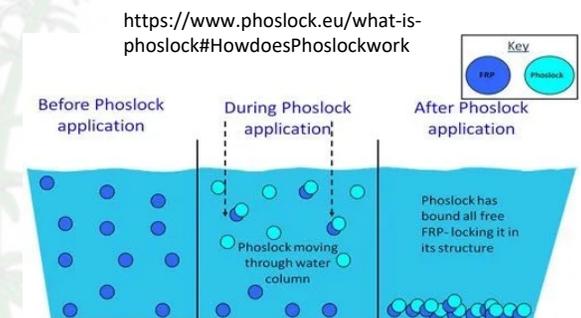
Many aquatic plants have waxy leaves





Phosphorus Precipitation

- Two primary products: Aluminum sulfate and Phoslock
- Alum has been on the market for years, Phoslock is relatively new
- Phoslock contains lanthanum in a bentonite clay carrier
- Free reactive phosphorus binds to lanthanum and settles to bottom
- Field trial in NC ponds to measure nutrient and algal concentrations before/after treatment



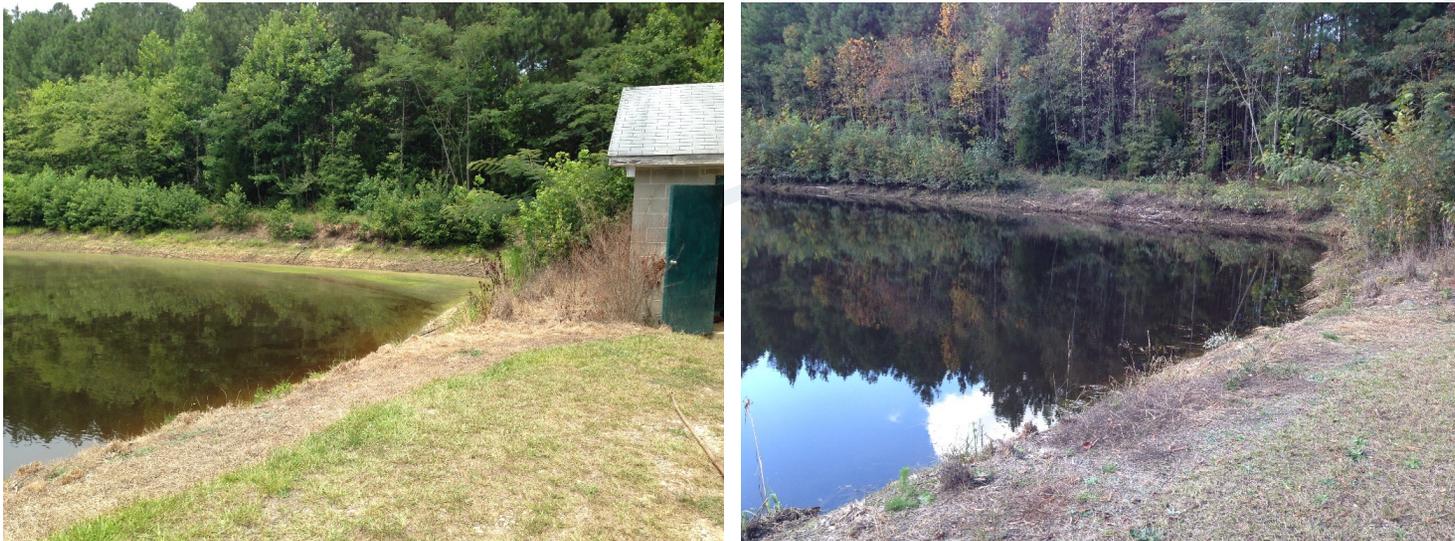
Results



Hickory Meadows golf course irrigation pond pre-treatment (left) and post-treatment (right).



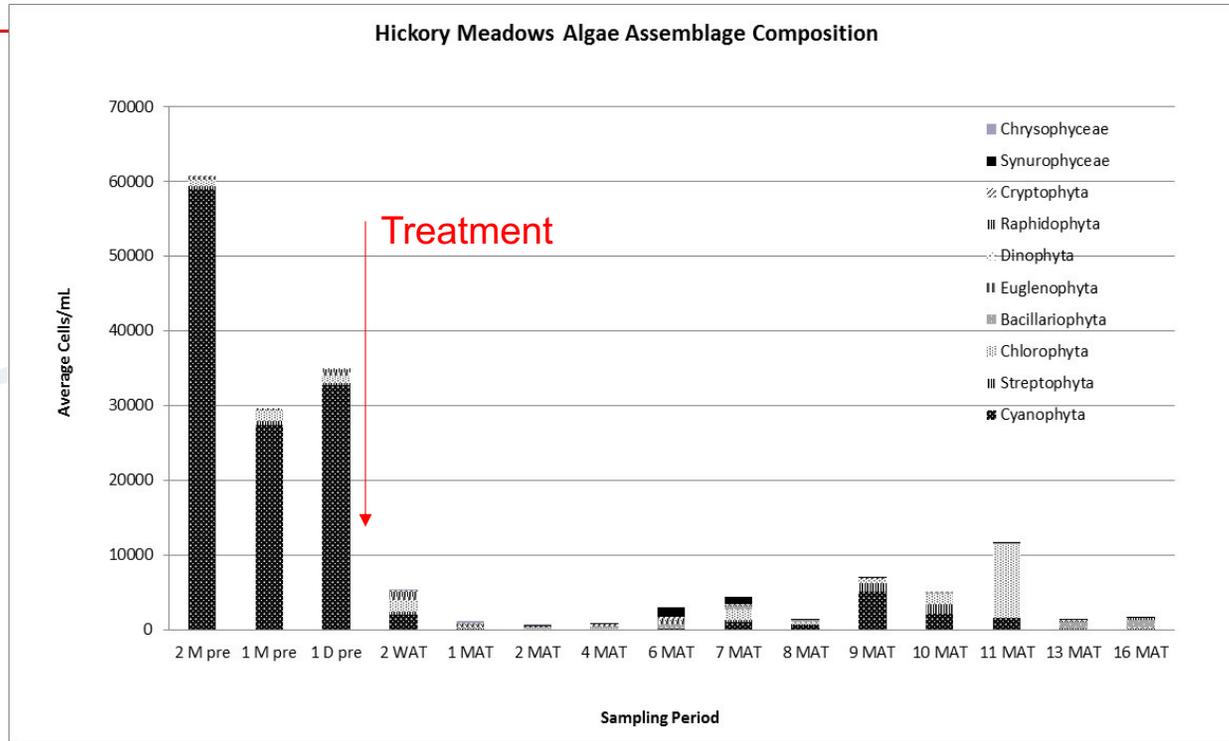
Results



Chockyotte golf course irrigation pond pre-treatment (left) and post-treatment (right).



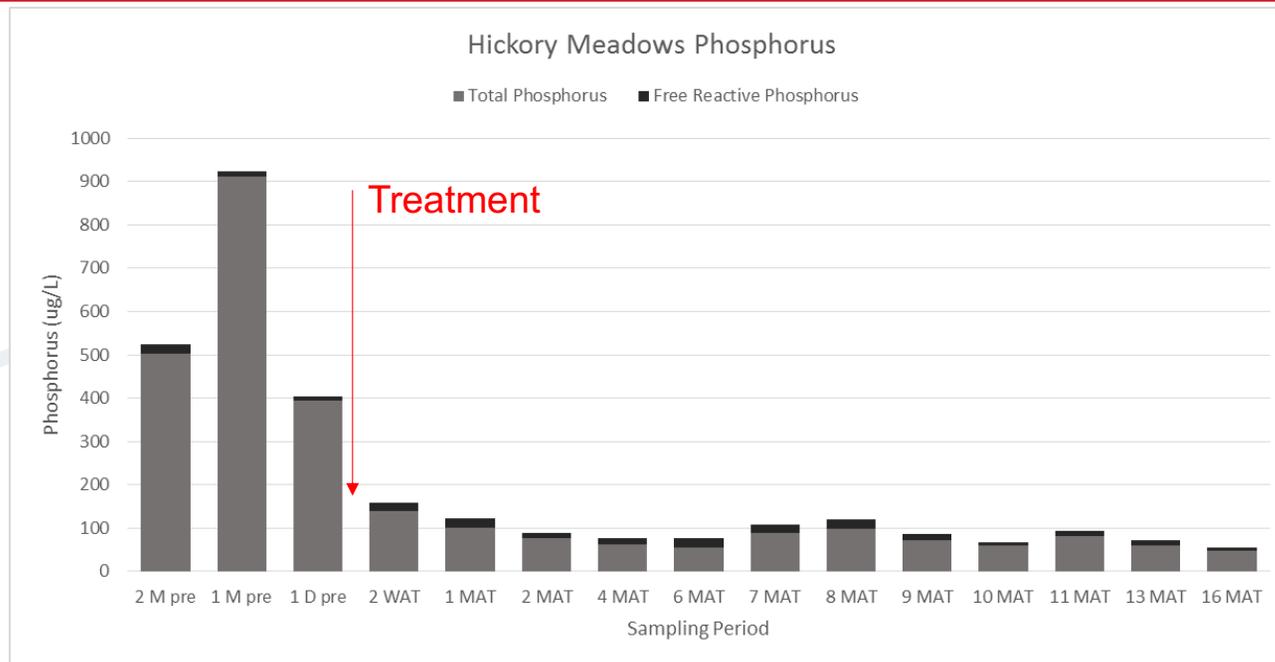
Results



Hickory Meadows golf course irrigation pond algal densities across time.



Results



Hickory Meadows golf course irrigation pond levels of total and free reactive phosphorus.



Questions?

