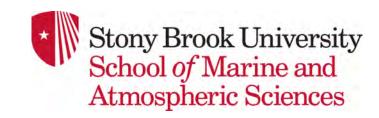
#### Monitoring Biodiversity of Georgica Pond



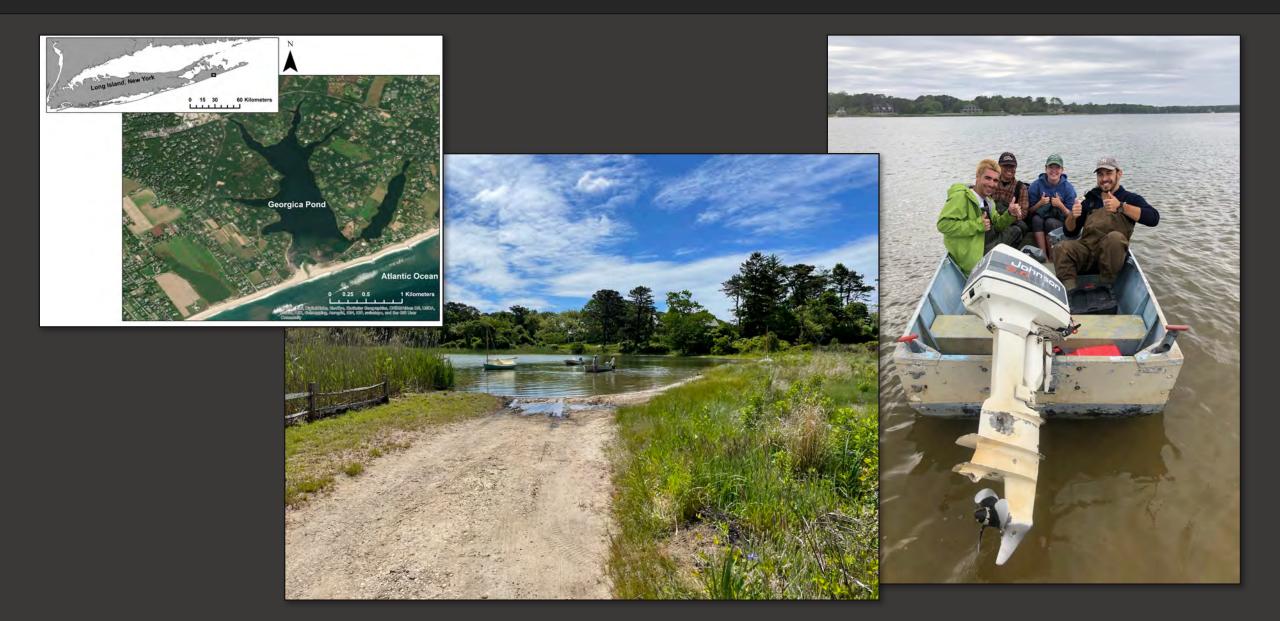
Stephen Heck, Brittney Scannell, Bradley Peterson Friends of Georgica Pond | August 27<sup>th</sup>, 2023

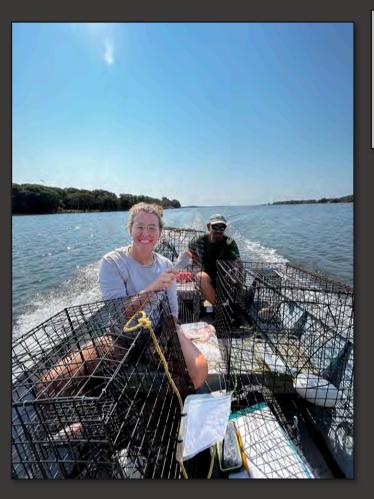






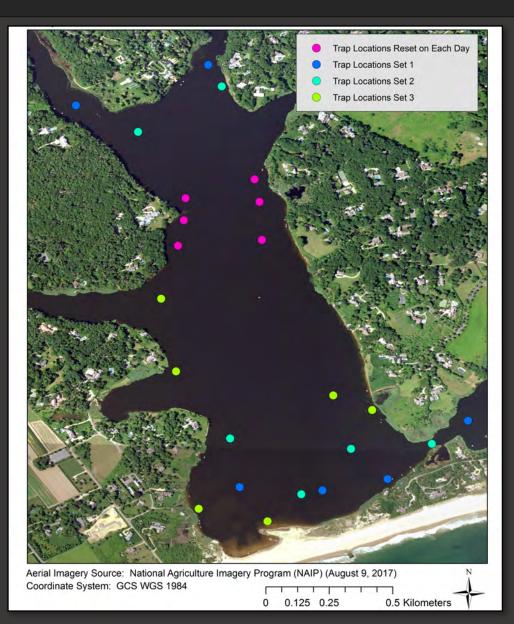
#### Monitoring Biodiversity of Georgica Pond

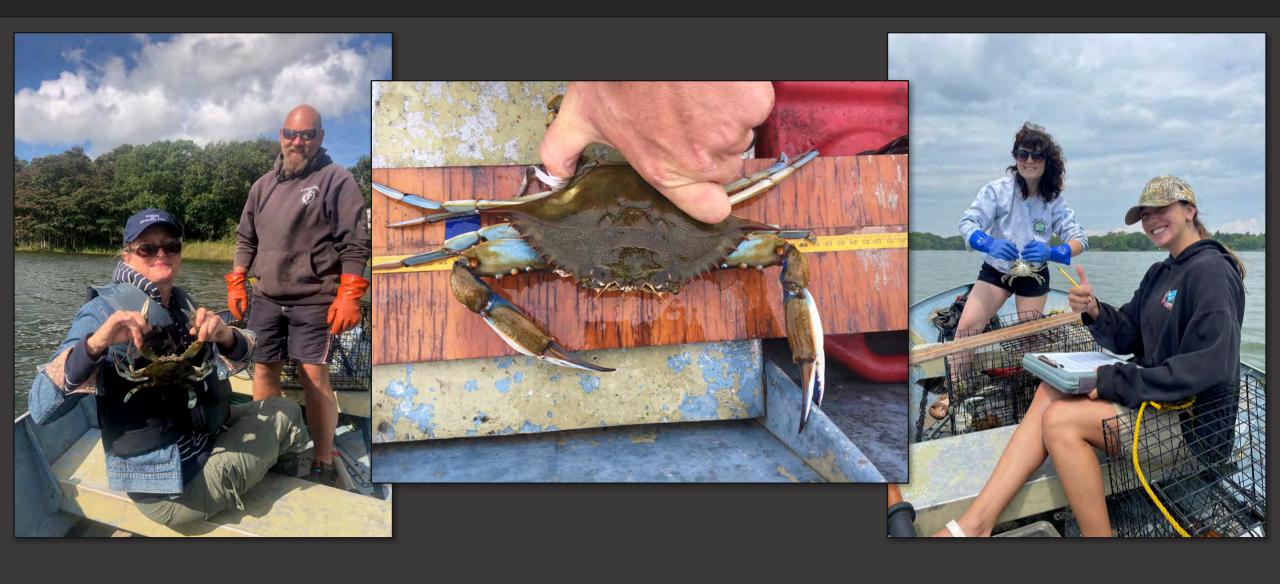




- Spring and Autumn Survey
- 2018 2023
- 12 locations each set
- 3 consecutive 48-hour sets



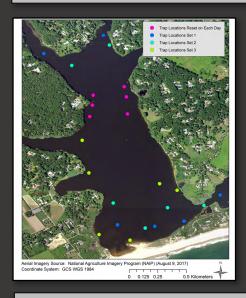




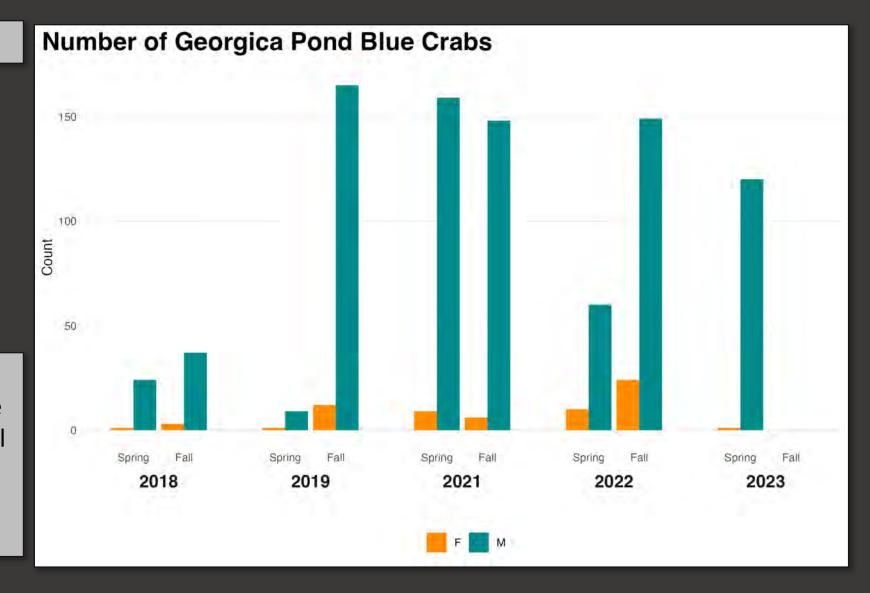




#### Blue crabs (Callinectes sapidus)



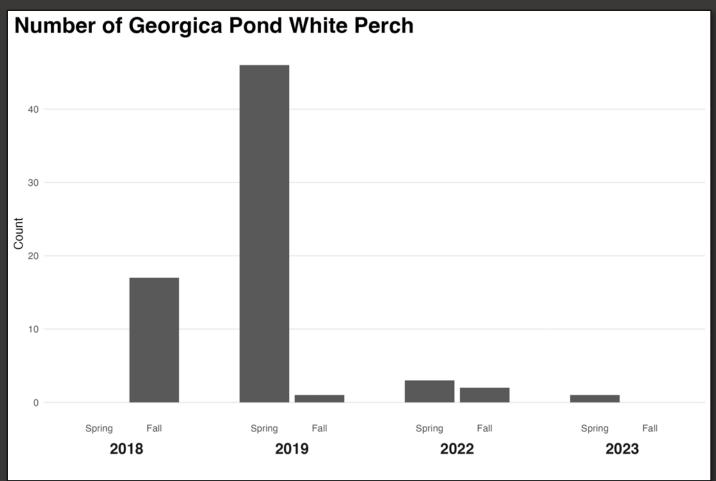
- Catch rates fluctuate
- 3/4 sampling seasons there are more blue crabs captured in fall than spring
- More males than females
- Females on southern end

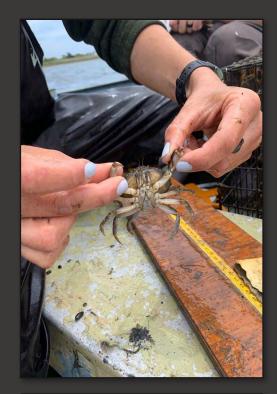


#### White perch (Morone americana)



- Peak during prolonged breach opening of the spring of 2019
- Very low abundance comparatively since then









2019 Rock crab (Cancer irroratus)

2018 American eel (Anguilla rostrata)

2018
Summer flounder
(*Paralichthys dentatus*)

- Spring and Autumn Survey
- 2018 2023
- 4 beach seine locations
- ~50 meters x 7.6 meters wide



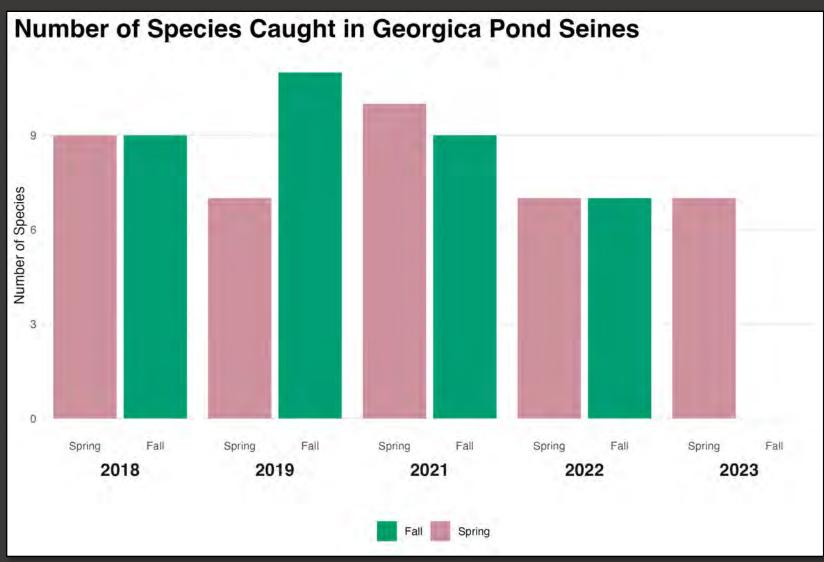


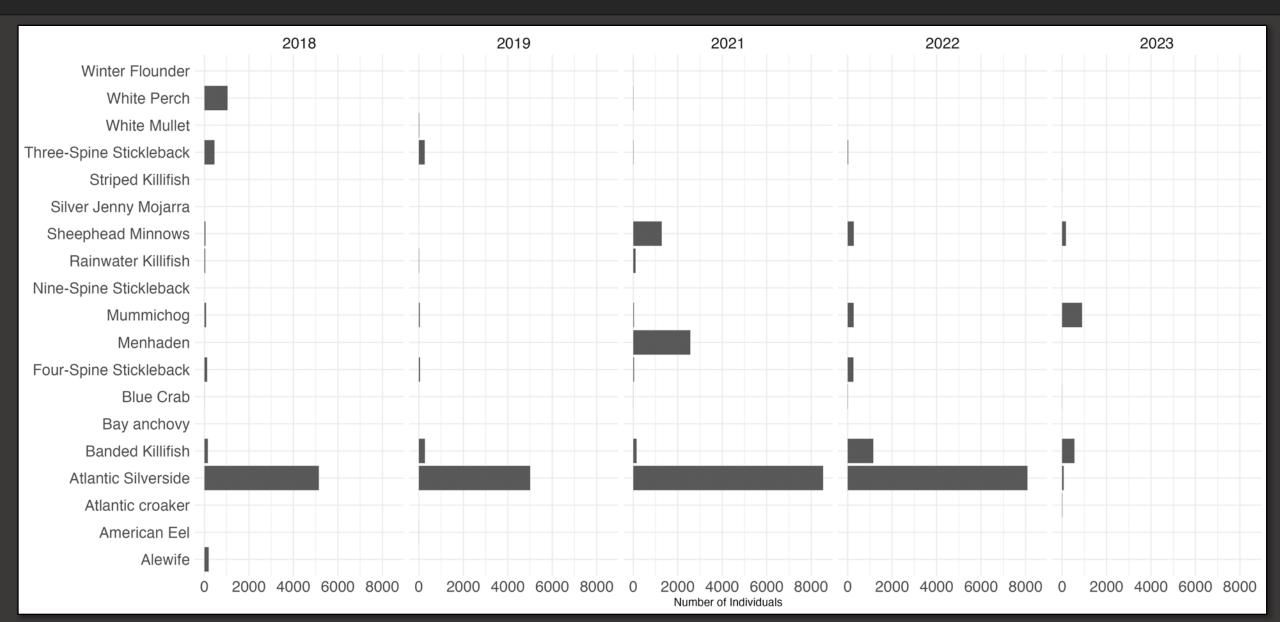


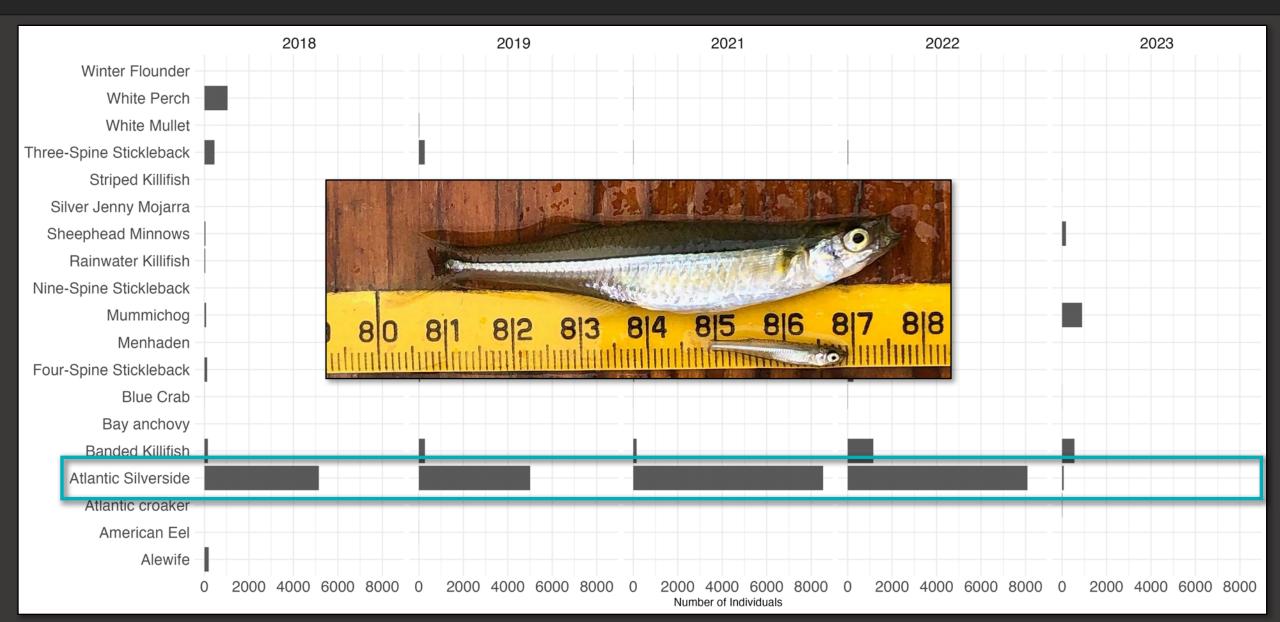


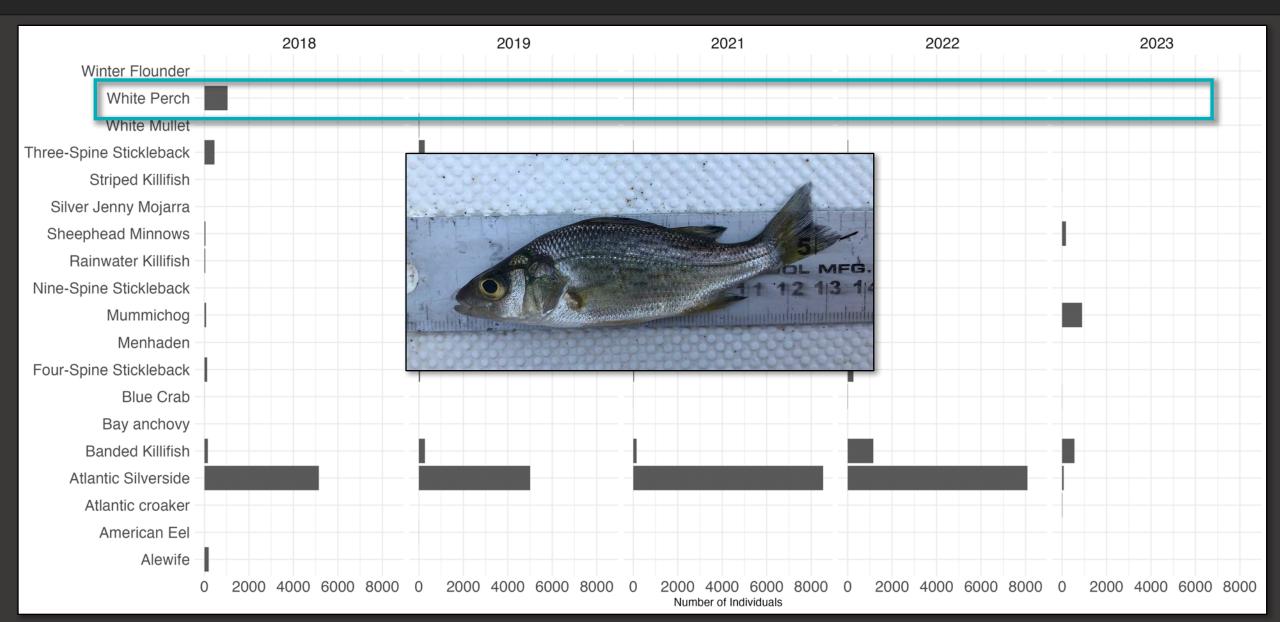
- Min. of 7 species
- Max. of 11 species
- 19 species over all years (18 fish, 1 crustacean)

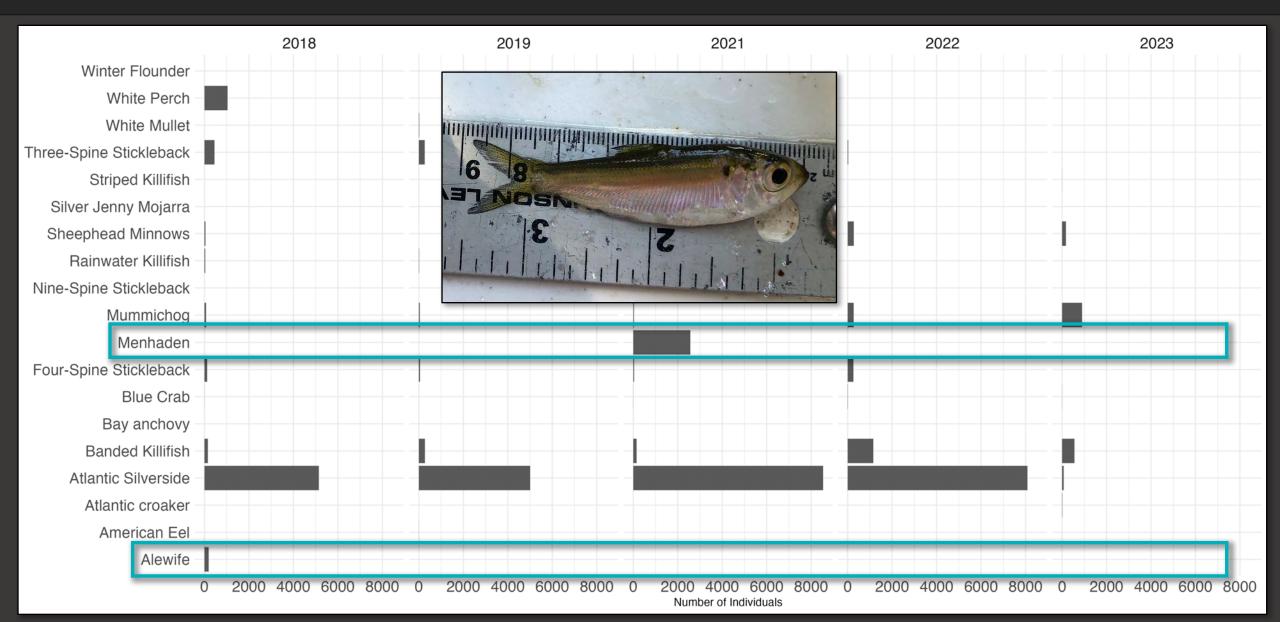


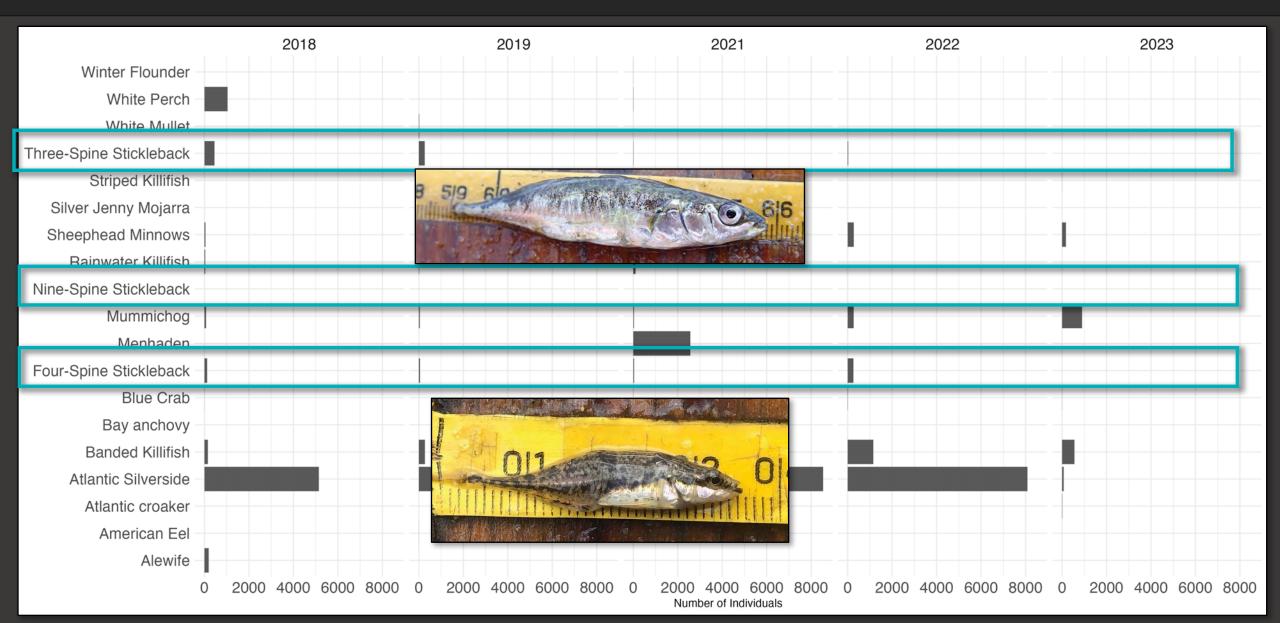


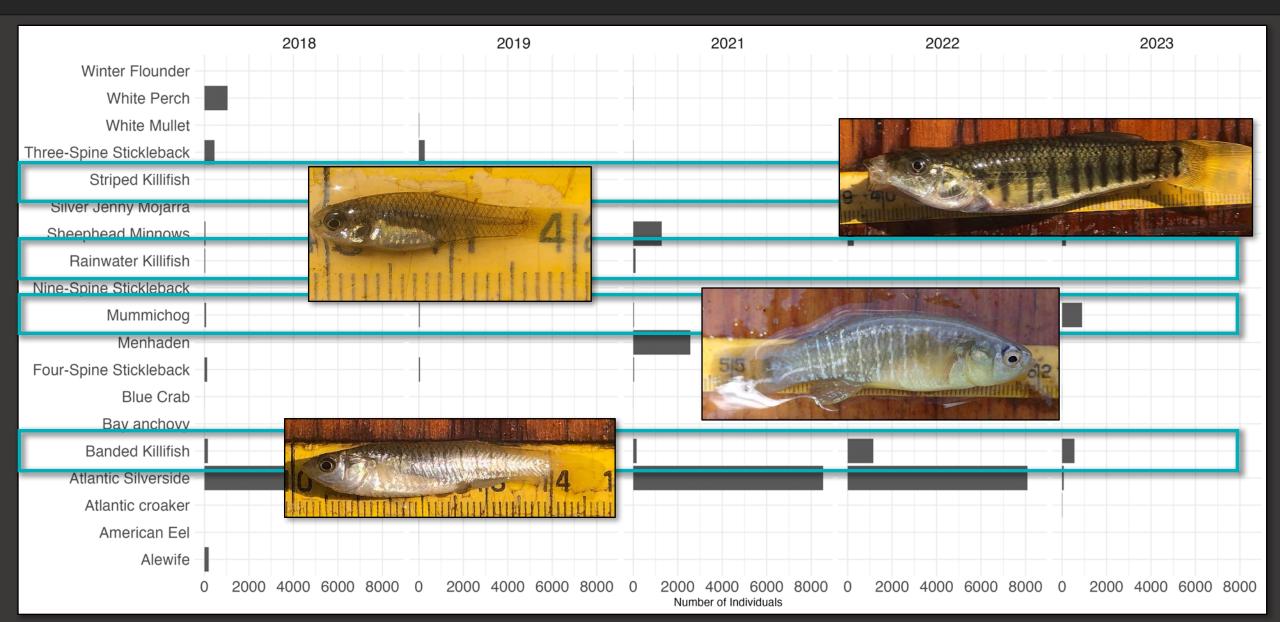


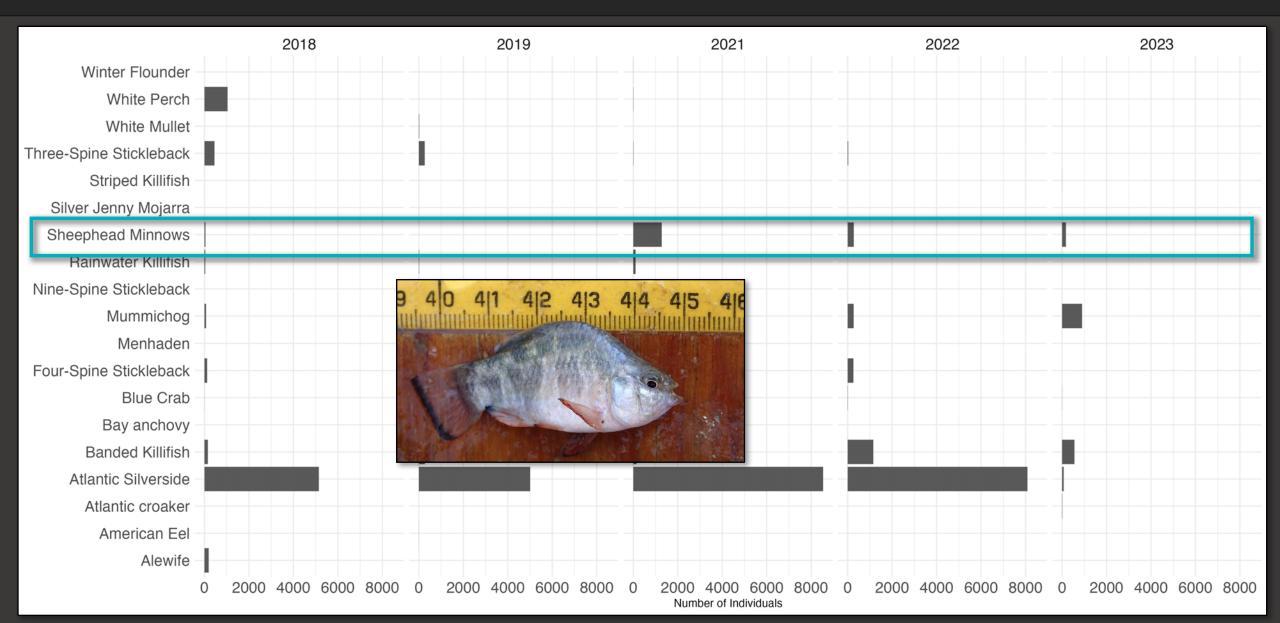


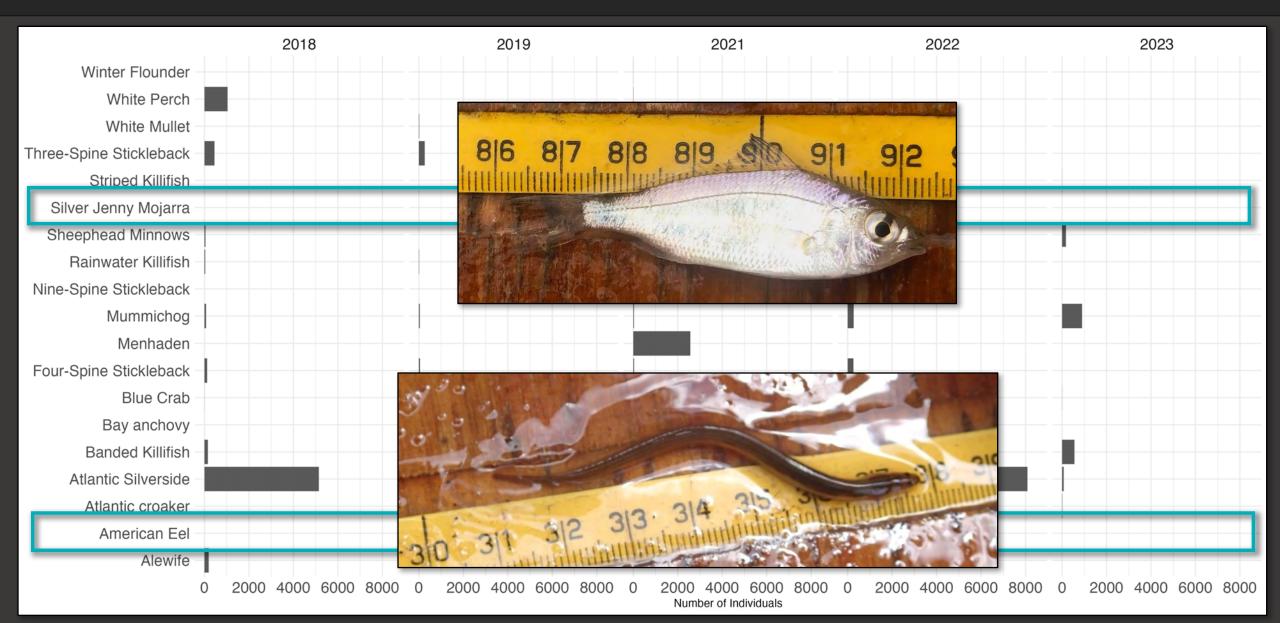


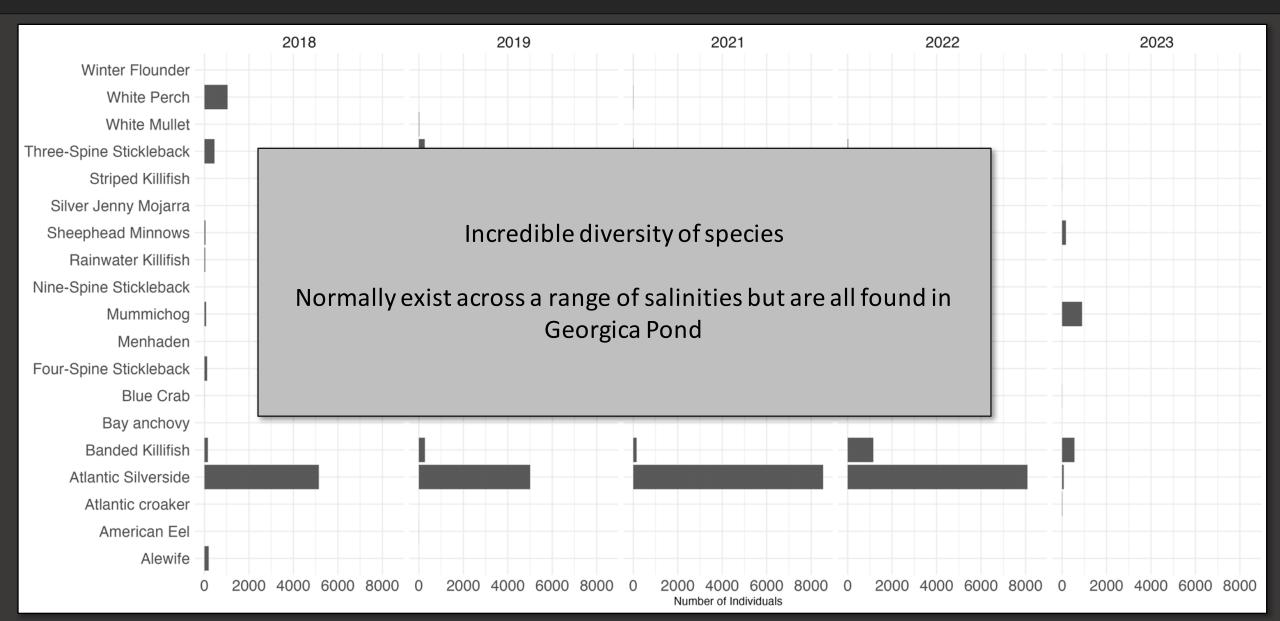












#### Aquatic Vegetation Surveys of Georgica Pond

- Spring and Autumn Survey
- 2019 2023
- 80 locations





- 0 No plants present
- 1 Less than 25% of the rake is full

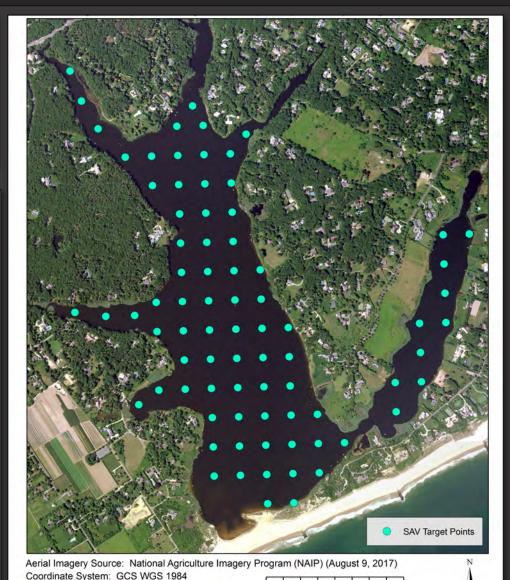


2 25% to 100% of the rake is full



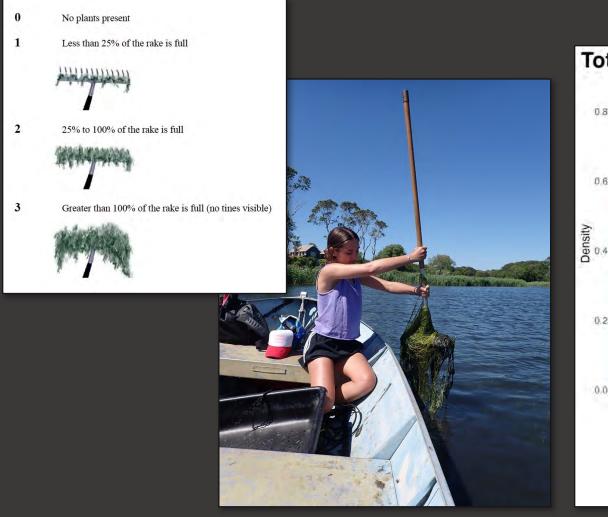
3 Greater than 100% of the rake is full (no tines visible)

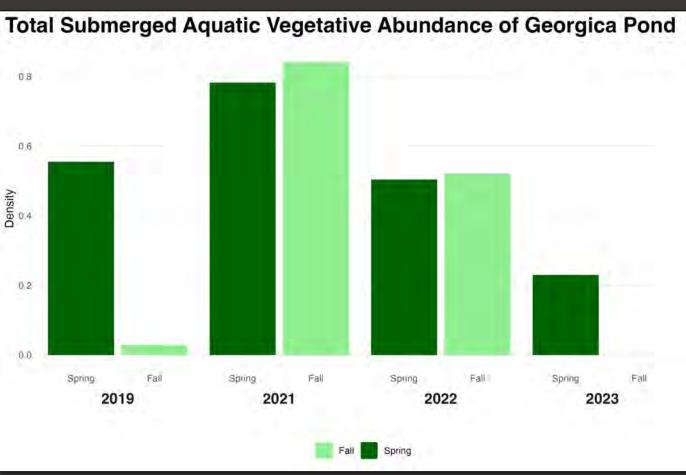




0.6 Kilometers

## Aquatic Vegetation Surveys of Georgica Pond





## Aquatic Vegetation Surveys of Georgica Pond

Sago Pondweed (Stuckenia pectinata)



Claspingleaf Pondweed (Potagmogeton perfoliatus)

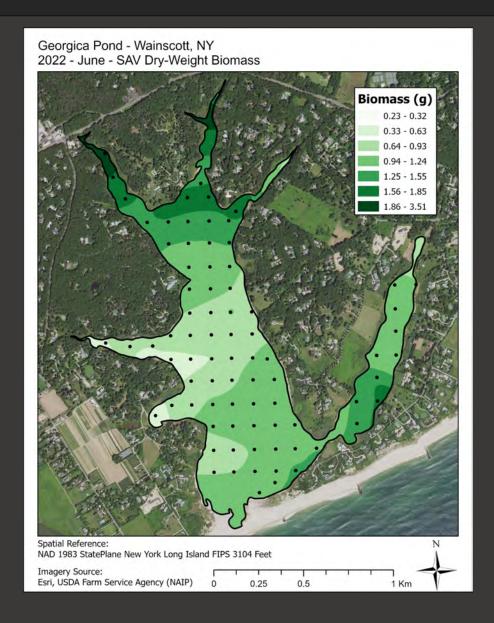


Cladophora vagabunda

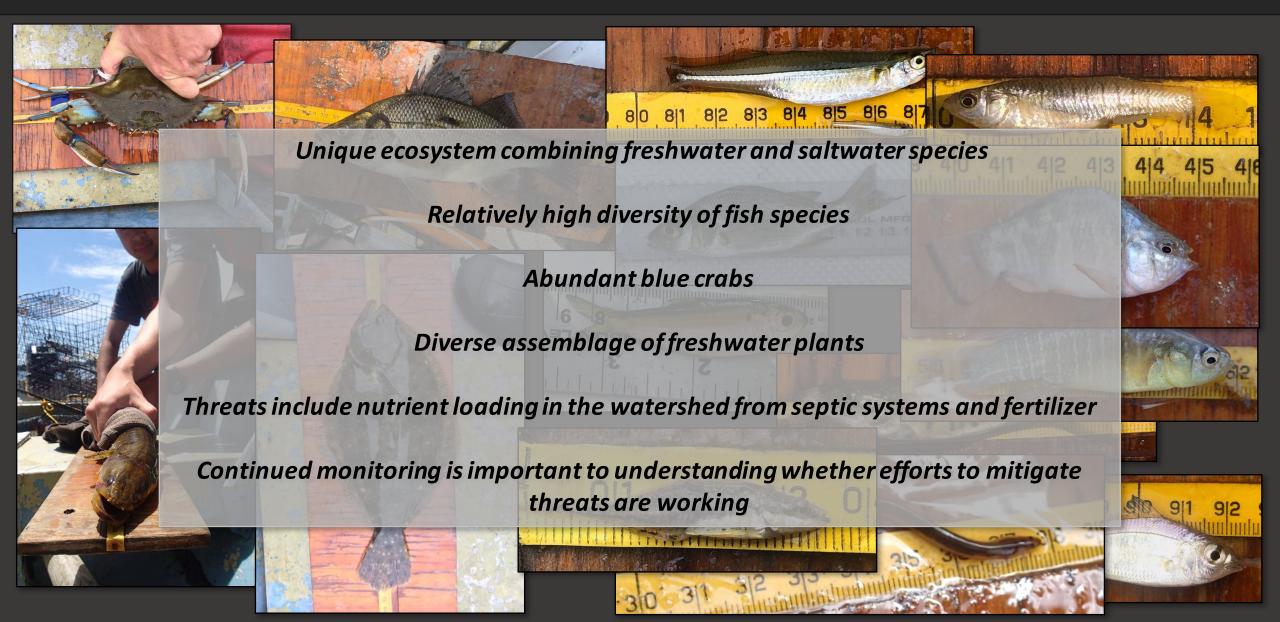


Ulva spp.





#### Monitoring Biodiversity of Georgica Pond



#### Monitoring Biodiversity of Georgica Pond

