

# Casco Bay Monitoring Efforts 2018

*Meryl Grady*

*Casco Bay Monitoring Network Meeting*

*April 1, 2019*

*Portland, ME*

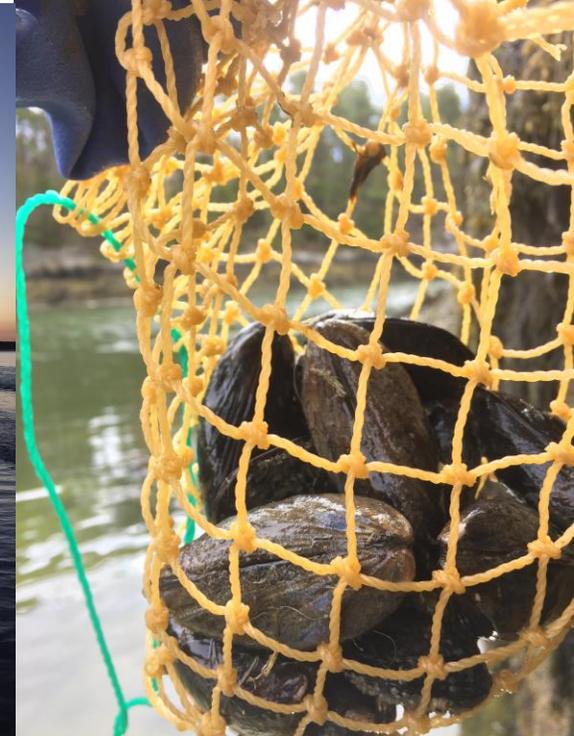
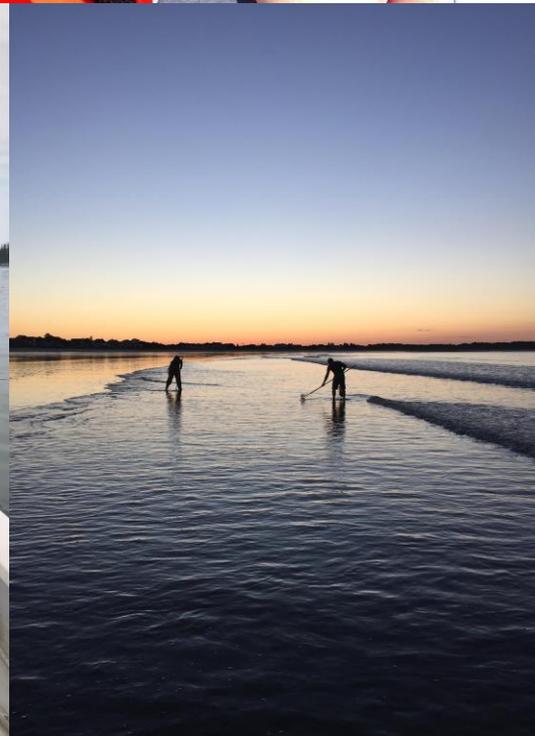


[www.maine.gov/dmr](http://www.maine.gov/dmr)

# Program Overview

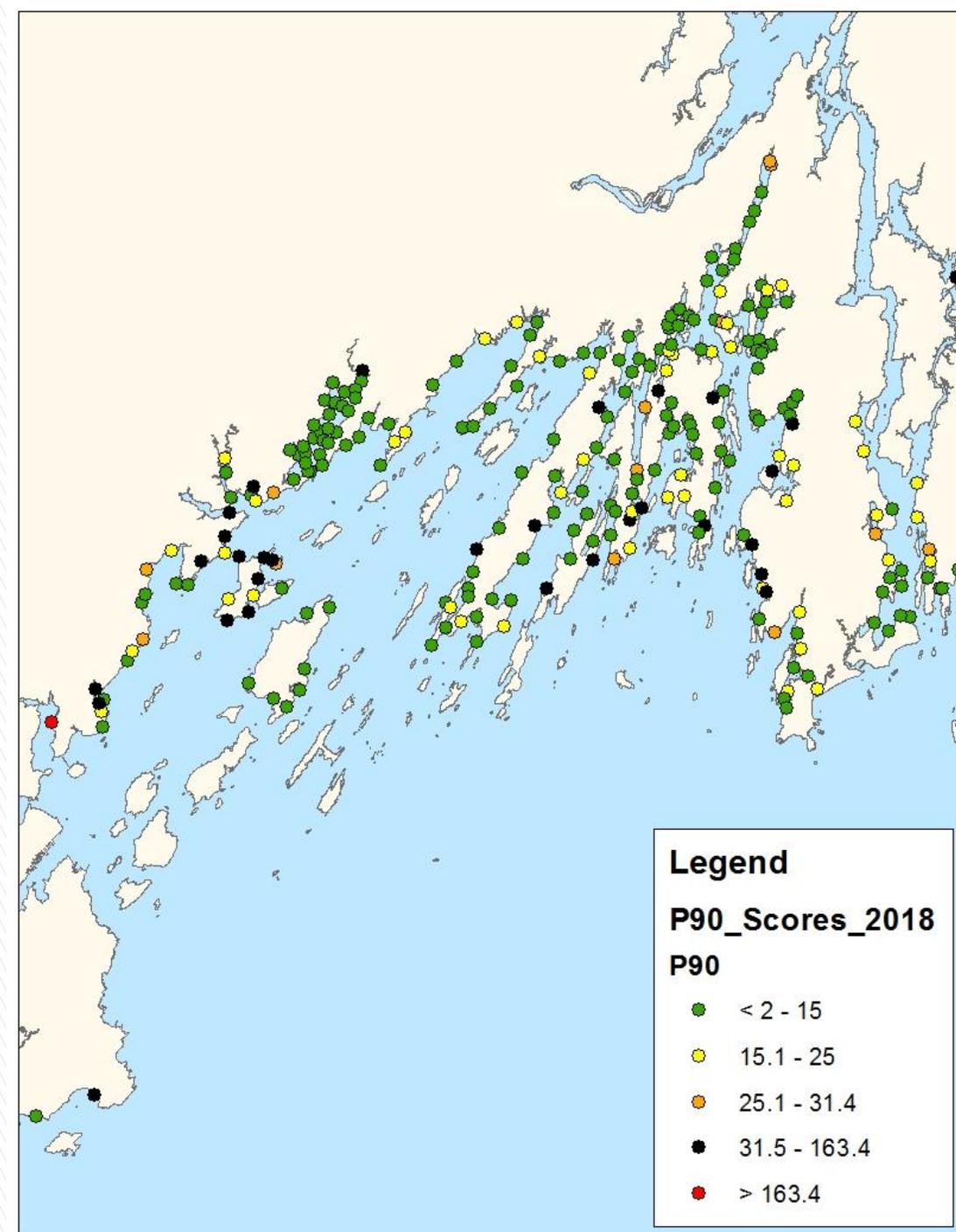
## ▶ DMR

- Public Health
  - Biotoxin
  - Water Quality
  - Shellfish Management
  - Dealer Certification and Inspection
  - Environmental Permit Review



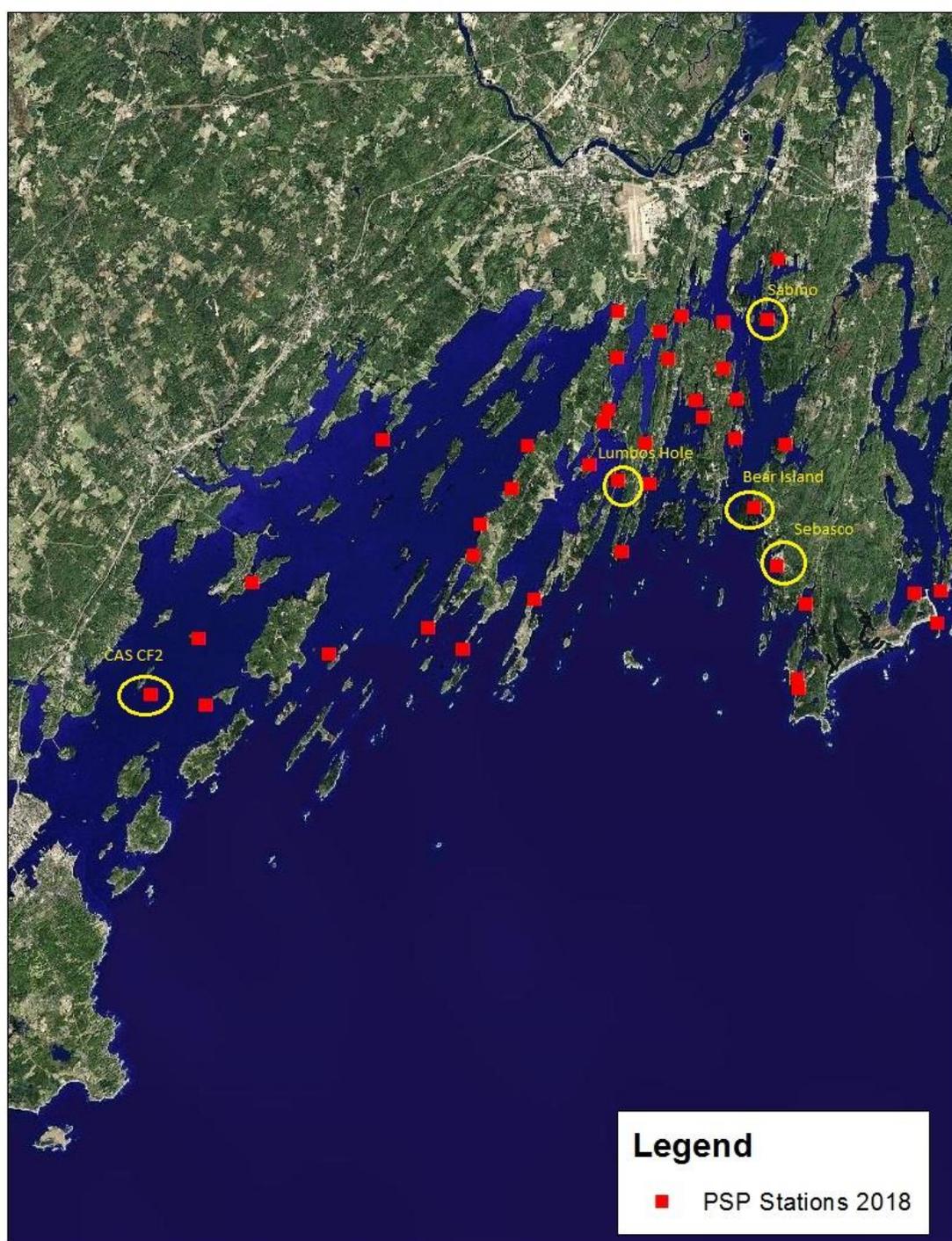
# Water Quality Monitoring

- ▶ Fecal coliforms
- ▶ Overall, not much change
- ▶ Began sampling around Long Island

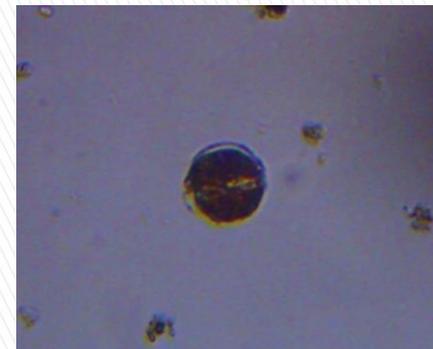


## PSP Monitoring

- ▶ Only 5 stations exceeded limit
  - 80ug/100g
  - Mussels only
- ▶ 2018 blooms were 'small'
  - Present in May & June (one month)
- ▶ Regional Mussel closure
  - May 1



*Alexandrium*



# ASP Monitoring



- ▶ No samples over reg. limit in Casco Bay
- ▶ If any toxin was present, instated precautionary closure
  - DMR testing not specific enough to ID *P.australis*
- ▶ *P. australis* was present in 2018
- ▶ October–November
  - Shorter duration than 2017
  - Short-term open/close (~48hr)
    - 2019 – plan to be more consistent

## Phyto Monitoring

- ▶ Precursor to shellfish testing
- ▶ Karenia present, but not bad in 2018
  - Fish/lobster/shellfish dye offs in 2017

