

Casco Bay Monitoring Efforts 2018

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Casco Bay Monitoring Network Meeting
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Portland, ME*



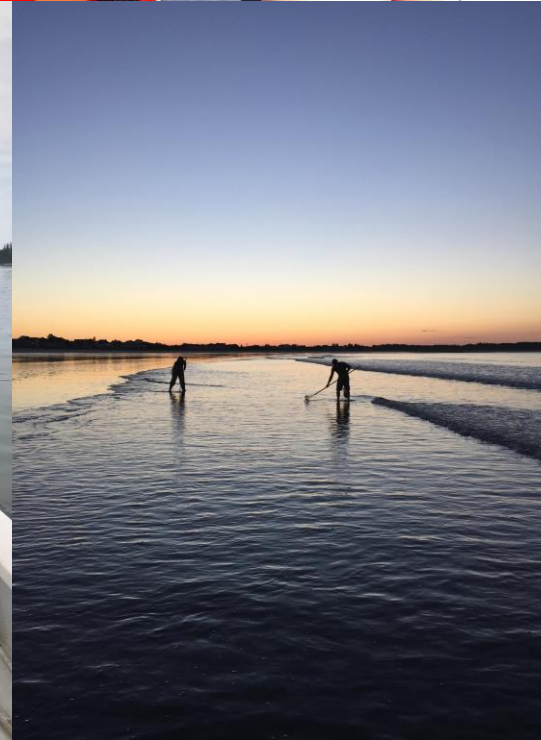
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Program Overview

► DMR

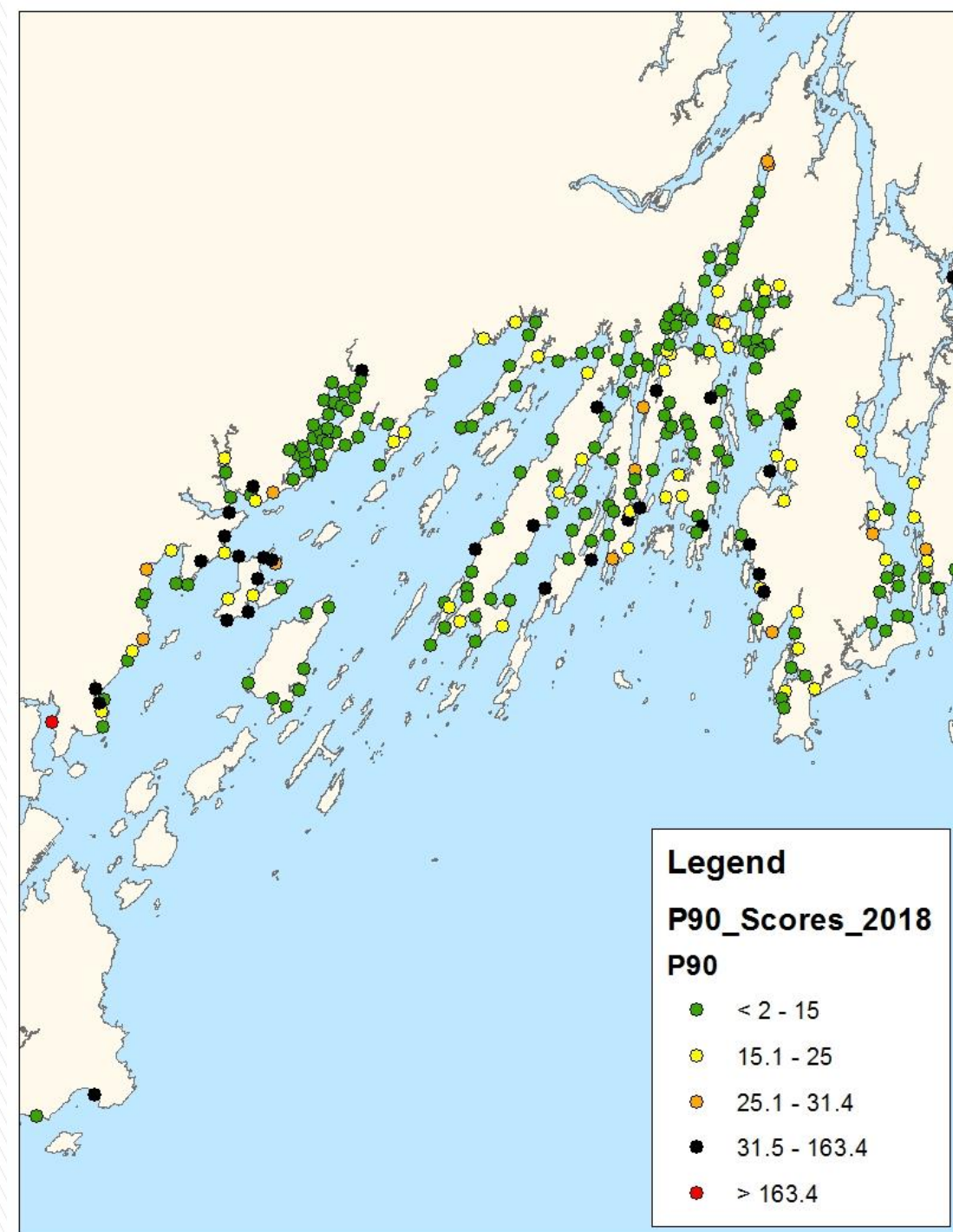
◦ Public Health

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



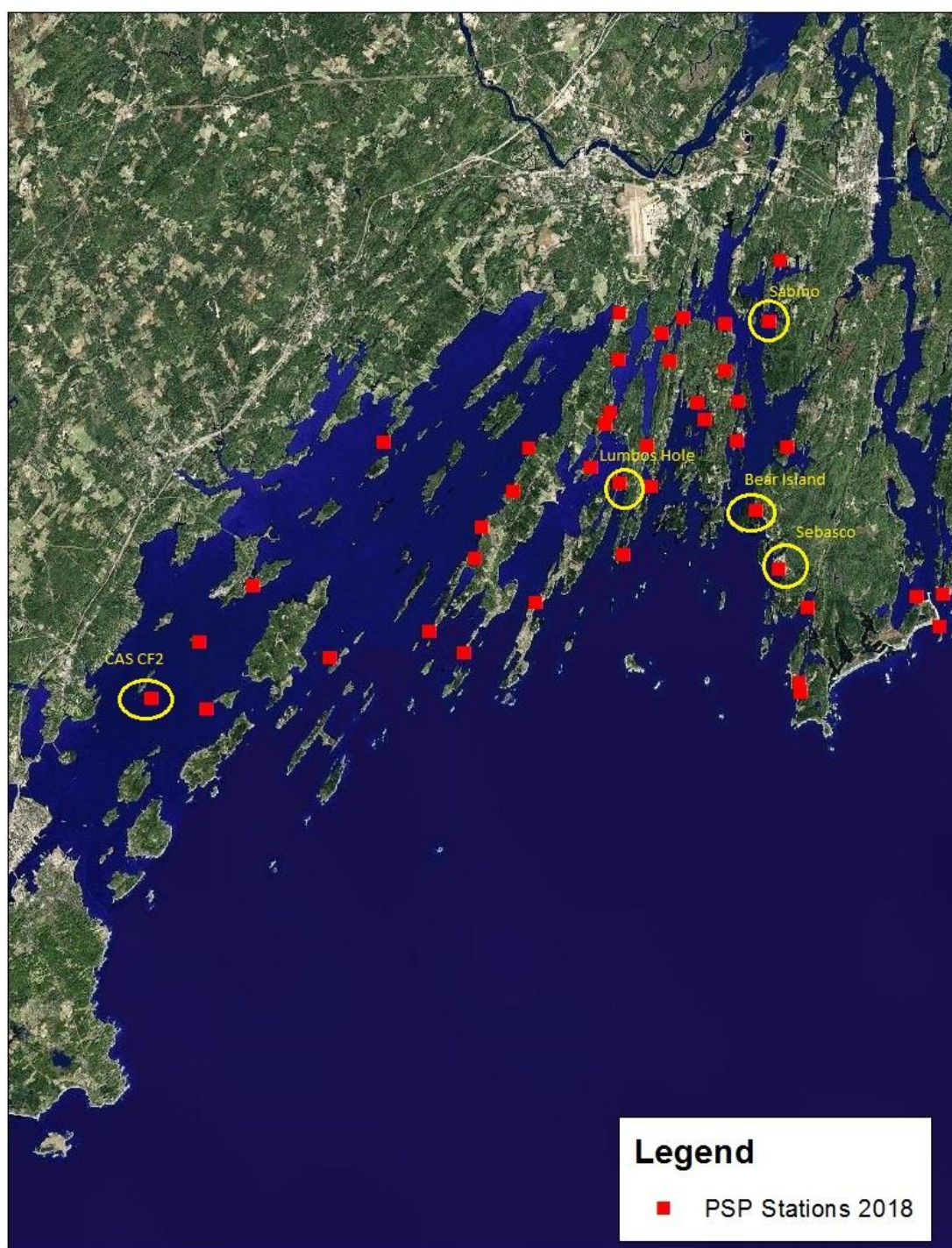
Water Quality Monitoring

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

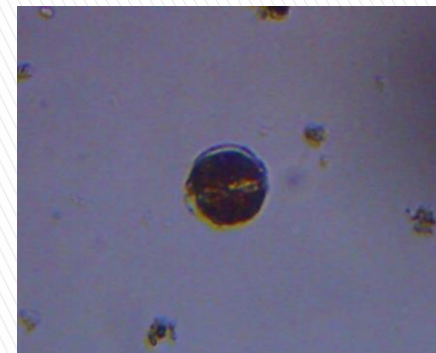


PSP Monitoring

- ▶ 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



Legend

▲ ASP Stations 2018

Phyto Monitoring

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

