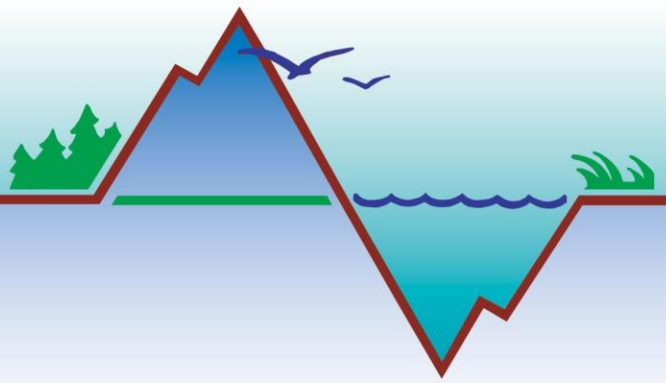


## Kachemak Bay Research Reserve Phytoplankton Update

May 3<sup>rd</sup> – May 9<sup>th</sup> 2019

Harmful Algal Bloom Program

Rosie Robinson 907-235-1598 [rmrobinson3@alaska.edu](mailto:rmrobinson3@alaska.edu)



Hi all!

We are still seeing phytoplankton blooming in the Inner Bay this week with *Cerataulina spp.* dominating the samples. Our samples from the Outer Bay had lower abundances of phytoplankton. We have yet to see any *Alexandrium spp.* in any of our samples and have not seen the other two concerning species at high levels.

Thanks to all of our monitors for sending in samples and readings this week!

Rosie Robinson, Grace Allan, & Jasmine Maurer

### Kachemak Bay Research Reserve Phytoplankton Update

#### Qualitative Analysis Phytoplankton Data

#### INNER BAY

| DATE     | Bay          | Water Temp | Salinity | Dominant species  | Dinophysis | Pseudo-nitzschia | Alexandrium |
|----------|--------------|------------|----------|---|------------|------------------|-------------|
| 5/1/2019 | Peterson Bay | 7          | 33       | <i>Thalassiosira spp.</i>                                   | None       | None             | None        |
| 5/5/2019 | Peterson Bay | 7          | 31       | <i>Cerataulina spp.</i><br>and<br><i>Thalassiosira spp.</i> | Present    | None             | None        |
| 5/6/2019 | Homer Harbor | 8          | 29.4     | <i>Cerataulina spp.</i>                                     | None       | Present          | None        |
| 5/8/2019 | Halibut Cove | 8          | 32       | <i>Chaetoceros spp.</i>                                     | Present    | None             | None        |

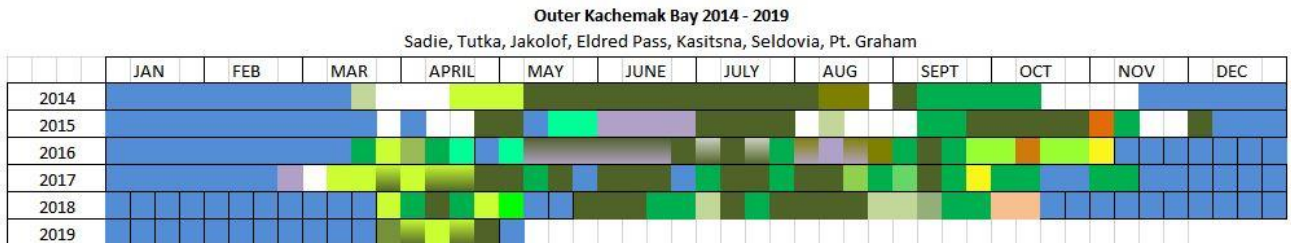
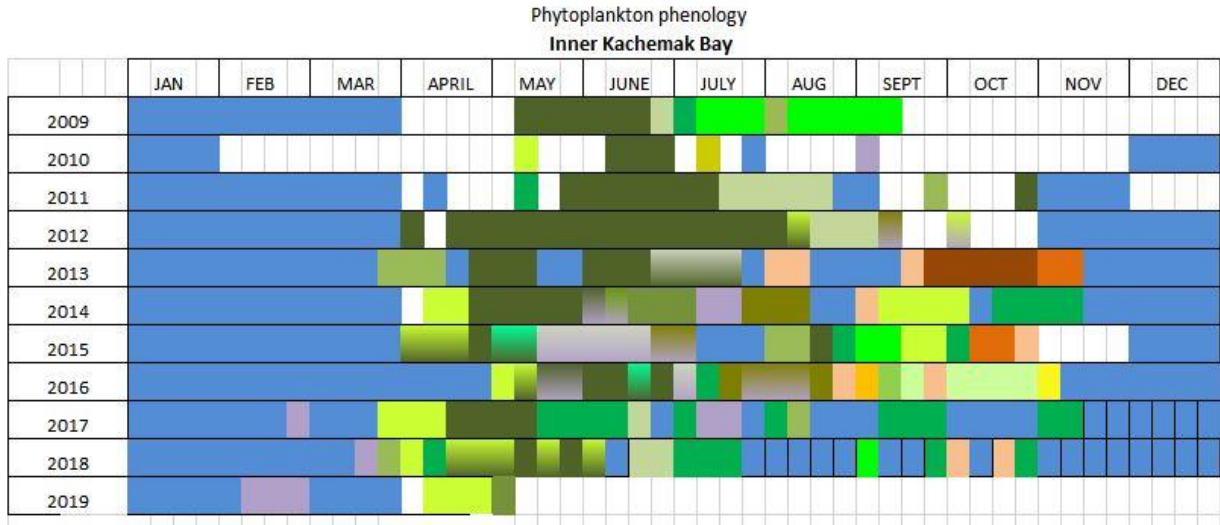
\*Samples received after last weekly update

#### OUTER BAY

| DATE       | Bay             | Water Temp | Salinity | Dominant species          | Dinophysis | Pseudo-nitzschia | Alexandrium |
|------------|-----------------|------------|----------|---------------------------|------------|------------------|-------------|
| 4/18/2019* | Seldovia Harbor | 6.8        | -        | <i>Thalassiosira spp.</i> | None       | Present          | None        |
| 4/25/2019* | Seldovia Harbor | 7.3        | 30       | Sparse sample             | None       | None             | None        |

|          |             |   |    |                         |      |      |      |
|----------|-------------|---|----|-------------------------|------|------|------|
| 5/7/2019 | Port Graham | 7 | -  | Sparse sample           | None | None | None |
| 5/8/2019 | Port Graham |   | 33 | <i>Chaetoceros spp.</i> | None | None | None |

\*Samples received after last weekly update



Kachemak Bay National Estuarine Research Reserve  
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