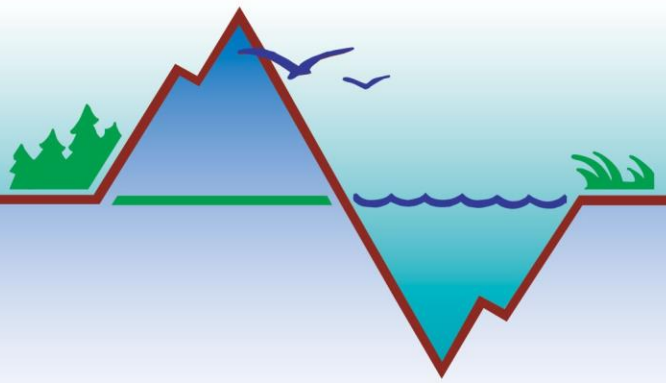


## Kachemak Bay Research Reserve Phytoplankton Update

July 19<sup>th</sup> – July 25<sup>th</sup> 2019

Harmful Algal Bloom Program

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Hello Everyone,

Phytoplankton samples this week are dominated by *Pseudo-nitzschia* and *Chaetoceros* sp. in both the Inner and Outer bay. *Pseudo-nitzschia* is at bloom levels in the samples from Sadie Cove and Peterson Bay. We have started to see larger amounts of *Alexandrium* in our samples and are awaiting shellfish toxin testing results. We should have these results by tomorrow and will send out an extra update this week if any of them come back above the regulatory limit.

Thanks to all of our monitors and partners for the phytoplankton samples!

Rosie Masui & 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
7/17/2019*	Peterson Bay	14	28	<i>Skeletonema</i> sp.	Present	Present	None
7/19/2019	Gull Island	14.9	22.4	<i>Chaetoceros</i> sp.	Present	Present	Present
7/19/2019	Peterson Bay	13.5	26.1	<i>Pseudo-nitzschia</i>	Present	Bloom	Present
7/22/2019	Homer Harbor	14.7	24	Sparse Sample	Present	Present	None
7/23/2019	Halibut Cove	15	24	Sparse Sample	None	Present	None
7/23/2019	Peterson Bay	14	24	<i>Pseudo-nitzschia</i>	None	Bloom	Present

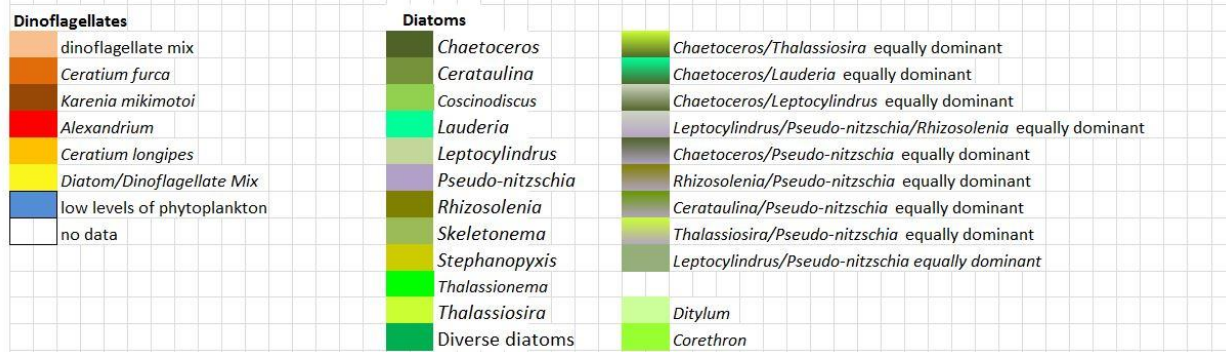
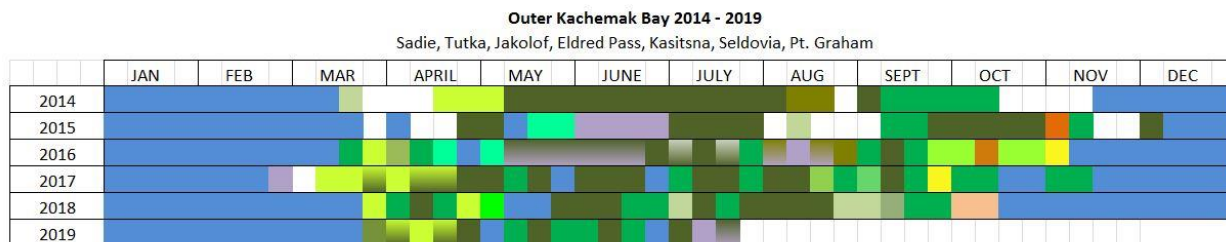
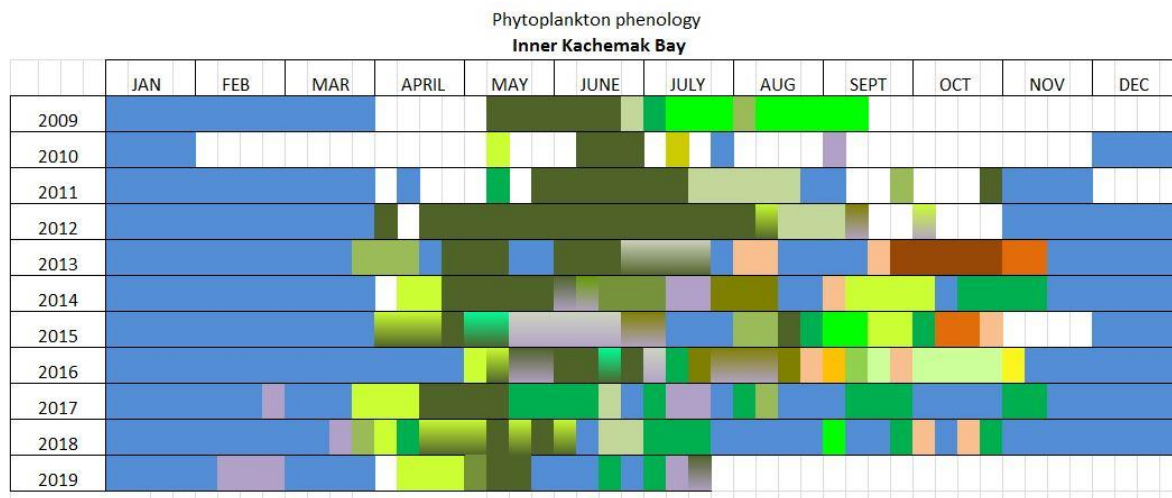
\*Samples received after last weekly update

#### OUTER BAY

DATE	Bay	Water Temp	Salinity	Dominant species	Dinophysis	Pseudo-nitzschia	Alexandrium
7/19/2019	Eldred Passage	12	29.2	<i>Chaetoceros</i> sp.	Present	Present	Present
7/19/2019	Sadie Cove	14.6	28.1	<i>Pseudo-nitzschia</i>	Present	Bloom	Present

7/22/2019	Jakolof	12	30	<i>Chaetoceros</i> sp. & <i>Pseudo-nitzschia</i>	Present	Present	None
7/23/2019	Port Graham	13.6	29	<i>Cerataulina</i> sp.	Present	Present	None

\*Samples received after last weekly update



Kachemak Bay National Estuarine Research Reserve  
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