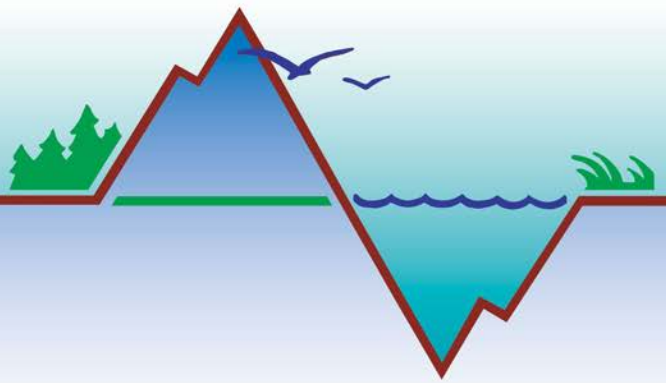


## Kachemak Bay Research Reserve Phytoplankton Update

August 2<sup>nd</sup> – August 8<sup>th</sup> 2019

Harmful Algal Bloom Program

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Hello Everyone,

It is a relatively quiet week for phytoplankton in Kachemak Bay; we are seeing sparse levels of phytoplankton from most of the sites in the Inner Bay. However, *Pseudo-nitzschia* is blooming in Homer Harbor. In the Outer Bay at Kasitsna Bay and Port Graham the phytoplankton is abundant with *Pseudo-nitzschia*, and *Lauderia* competing at bloom levels.

We will be testing wild shellfish next week and hope to have preliminary results to report out to you all in next week's Weekly Update.

Please reach out if you have any questions.

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
7/31/2019*	China Poot	12	30	Sparse Sample	Present	Present	None
8/7/2019	Homer Harbor	13	30	<i>Pseudo-nitzschia</i>	Present	Bloom	None
8/6/2019	Halibut Cove	14	26	Sparse Sample	None	Present	None

\*Samples received after last weekly update

#### OUTER BAY

DATE	Bay	Water Temp	Salinity	Dominant species	Dinophysis	Pseudo-nitzschia	Alexandrium
7/30/2019*	Tutka Bay	14	25	<i>Chaetoceros</i> sp.	Present	None	None
7/31/2019*	Little Jakolof	14	24	Sparse Sample	Present	Present	None
8/1/2019	Seldovia Harbor	12.8	32	Sparse Sample	None	Present	None

8/2/2019	Kasitsna Bay	12.6	32	Mixed Diatoms	None	Bloom	None
8/3/2019	Tutka Bay	13.6	27.3	<i>Scrippsiella</i>	Present	Present	None
8/7/2019	Port Graham	12.9	30	Mixed Diatoms	None	Bloom	Present

\*Samples received after last weekly update

