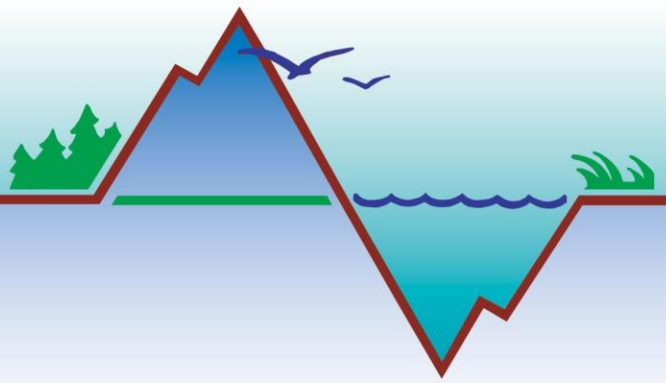


## Kachemak Bay Research Reserve Phytoplankton Update

June 14<sup>th</sup> – June 20<sup>th</sup> 2019

Harmful Algal Bloom Program

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Hi all,

Although it was a slow week with the phytoplankton, things were busy with the shellfish! We joined local Fish and Game staff to collect razor clams for toxin analysis from both sides of Cook Inlet this week. Mussel samples from Homer Harbor and Kasistna Bay are also being collected to be sent off for analysis by DEC's Environmental Health Laboratory in Anchorage on Monday. We will be reporting on those results next week.

Our program is a part of the larger Alaska Harmful Algal Bloom Network, which helps to connect the different monitoring, research, education, and response programs around the state. Through this Network we've been updated on the current situation in Southeast Alaska. High levels of toxins are being seen throughout Southeast Alaska – much higher than anything we have ever seen in our samples from South Central Alaska. Our partners at Southeast Alaska Tribal Ocean Research are leading the monitoring there. For more information check out their website: [www.seator.org](http://www.seator.org)

Continue reading for the weekly phytoplankton update and thanks to all of our monitors!

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
6/1/2019*	Tutka Bay	9	30	<i>Chaetoceros</i> sp. bloom	Present	Present	None
6/3/2019*	Tutka Bay	9.5	25	<i>Chaetoceros</i> sp.	None	Present	None
6/18/2019	Halibut Cove	11	28	Sparse Sample	None	None	None
6/19/2019	Homer Harbor	12.7	29	<i>Melosira</i> sp. & <i>Cerataulina</i> sp.	None	Present	Present

\*Samples received after last weekly update

#### OUTER BAY

DATE	Bay	Water Temp	Salinity	Dominant species	Dinophysis	Pseudo-nitzschia	Alexandrium
6/13/2019	Seldovia	10.8	32	Mixed Diatoms	None	Present	None

\*Samples received after last weekly update

## RESURRECTION BAY

DATE	Bay	Water Temp	Salinity	Dominant species	Dinophysis	Pseudo-nitzschia	Alexandrium
6/14/2019	SMIC Dock	8.4	29.7	Sparse sample	Present	None	None

\*Samples received after last weekly update

