

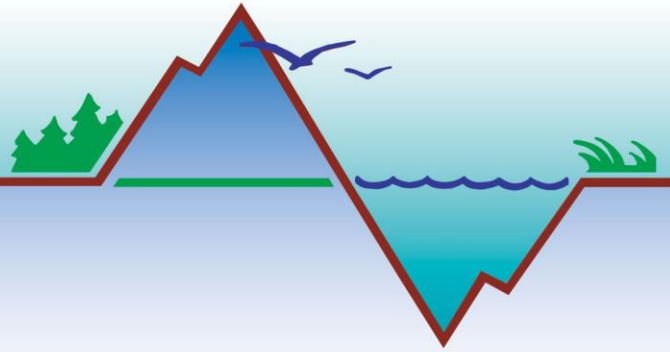
## Kachemak Bay Research Reserve Phytoplankton Update

June 5<sup>th</sup> to June 11<sup>th</sup>, 2020

Harmful Algal Bloom Program

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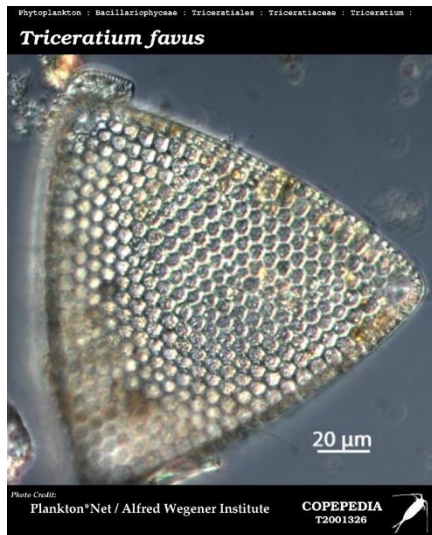
Hello Everyone,

We have wild shellfish toxin testing results to report again this week. Toxin levels were below the regulatory limit considered safe for consumption in the blue mussels from Homer Harbor we submitted for testing.

<u>Date</u>	<u>Shellfish Type</u>	<u>Location</u>	<u>Toxin Tested For</u>	<u>Toxin Testing Result</u>
6/8/2020	Blue mussels	Homer Harbor	Saxitoxins-PSP	Below regulatory limit.

Commercially harvested shellfish are regulated by DEC and considered safe for consumption.

KBNERR website is up and running again, with resources covering HAB species in detail, past weekly updates and links to the KBNERR YouTube channel which has additional resources for monitors.



This week in the Inner and Outer Bay *Chaetoceros* sp. continue to dominate reaching bloom levels in many areas.

One species stands out this week from the Sadie Cove sample, it was a three-pointed *Triceratium* sp.. Members of this genus of diatoms can have seven to three points and aren't commonly seen in our samples. The first time a species of this genus was identified in a KBNERR phytoplankton sample was in November 2014 and had five points like a star.

Thanks to all 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
6/1/2020*	Bear Cove	10	30	Sparse Sample	Present	Present	None
6/5/2020	Peterson Bay	8.3	30	<i>Chaetoceros</i> sp.	None	None	None
6/6/2020	Jakolof	12	37	<i>Chaetoceros</i> bloom	None	Present	None
6/10/20	Eldridge	9.1	29.4	<i>Chaetoceros</i> bloom	None	Present	None
6/10/2020	Sadie Cove	13	30.3	<i>Chaetoceros</i> bloom	None	None	Present
6/10/2020	Homer Harbor	11.3	29.3	<i>Chaetoceros</i> sp.	None	Present	Present

\*Samples received after last weekly update

**OUTER BAY**

DATE	Bay	Water Temp	Salinity	Dominant species	Dinophysis	Pseudo-nitzschia	Alexandrium
6/10/2020	Seldovia Harbor	9.7	29.8	Mixed Diatoms	Present	Present	None
6/10/2020	Kasitsna Bay	8.9	31.2	<i>Chaetoceros debilis</i> bloom	None	Present	None
6/10/2020	Tutka Bay	10.2	27.5	<i>Chaetoceros</i> sp. bloom	None	None	None

\*Samples received after last weekly update



Kachemak Bay National Estuarine Research Reserve  
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