

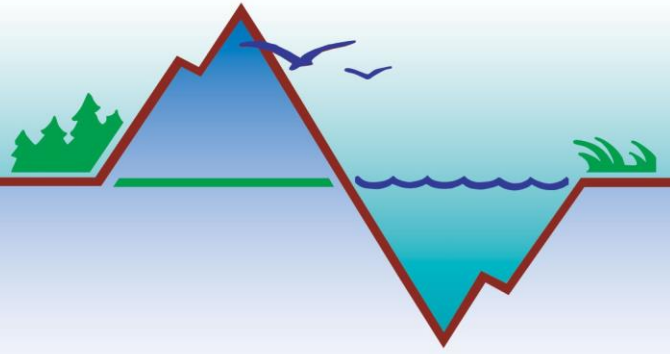
Kachemak Bay Research Reserve Phytoplankton Update

June 12th to June 18th, 2020

Harmful Algal Bloom Program

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Hello Everyone,

This week we have wild razor clam toxin testing results to report. Toxin levels were below the regulatory limit considered safe for consumption.

<u>Date</u>	<u>Shellfish Type</u>	<u>Location</u>	<u>Toxin Tested For</u>	<u>Toxin Testing Result</u>
6/9/2020	Razor Clams	Set Net Site Cook Inlet	Saxitoxins-PSP	Below regulatory limit.
6/9/2020	Razor Clams	Clam Gulch South	Saxitoxins-PSP	Below regulatory limit.

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

This week *Chaetoceros* sp. dominated in the Inner and Outer Bay. The Inner Bay phytoplankton samples in the years 2009-2013 also had *Chaetoceros* sp. dominating for many weeks during this same time period May – June. In the Outer Bay the same seasonal trend of *Chaetoceros* sp. dominating among the phytoplankton was seen in the years 2014, 2017, & 2018.

Thanks to all our monitors and partners for the phytoplankton and razor clam 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
6/8/2020*	China Poot	-	-	Mixed Diatoms	None	None	None
6/13/2020	Peterson Bay	12.2	30	Mixed Diatoms	None	Present	None
6/16/2020	Peterson Bay	12.2	28.4	<i>Chaetoceros</i> sp. bloom	None	Present	None
6/16/2020	China Poot	12	28.4	<i>Chaetoceros lacinosus</i>	None	Present	Present
6/16/2020	Halibut Cove	8	30	<i>Chaetoceros</i> sp.	None	None	None
6/16/2020	Homer	11.5	29.7	Mixed Diatoms	Present	Present	None

	Harbor						
DATE	Bay	Water Temp	Salinity	Dominant species	Dinophysis	Pseudo-nitzschia	Alexandrium
6/16/2020	Aurora Lagoon	11.7	28.8	<i>Chaetoceros</i> sp. bloom	None	None	None
6/16/2020	Bear Cove	12.7	27.3	<i>C. laciniosus</i>	None	Present	None

*Samples received after last weekly update

OUTER BAY

DATE	Bay	Water Temp	Salinity	Dominant species	Dinophysis	Pseudo-nitzschia	Alexandrium
6/16/2020	Kasitsna Bay	12.4	30.9	<i>Chaetoceros</i> sp. bloom	None	Present	None
6/16/2020	Tutka Bay	12.5	26.2	<i>Chaetoceros</i> sp. bloom	None	None	None
6/16/2020	Sadie Cove	12.1	29.2	<i>C. laciniosus</i>	None	None	None
6/16/2020	Eldred Passage	11.6	29.9	<i>Chaetoceros</i> sp. bloom	Present	None	None

*Samples received after last weekly update



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