

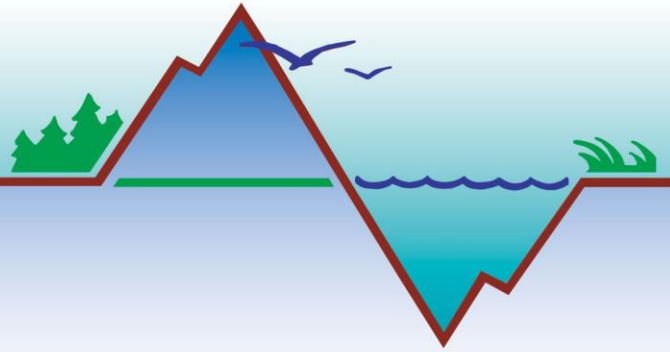
Kachemak Bay Research Reserve Phytoplankton Update

August 14th to August 20th, 2020

Harmful Algal Bloom Program

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Hello Everyone,

This week we have results to share from our wild shellfish toxin testing program. Blue mussels collected from Homer Harbor on 8/10/2020 were below the regulatory limit for saxitoxins, the toxin that can lead to Paralytic Shellfish Poisoning (PSP).

<u>Date Collected</u>	<u>Shellfish Type</u>	<u>Location</u>	<u>Toxin Tested For</u>	<u>Toxin Testing Result</u>
8/10/2020	Blue mussels	Homer Harbor	Saxitoxins-PSP	Below regulatory limit.

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

Phytoplankton samples from throughout Kachemak Bay continue to be sparse this week. For the inner bay this is not unusual. Since 2011, when we began weekly monitoring of the inner bay during the summer months, we have frequently observed phytoplankton abundances decrease in inner Kachemak Bay for some part of August. However, the decrease in phytoplankton abundances in the outer bay these past two weeks had not be observed since we started weekly sampling of the outer bay in 2016.

Reach out with any questions.

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

Rosie Masui, and Jasmine Maurer

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Qualitative Analysis Phytoplankton Data

INNER BAY

DATE	Bay	Water Temp	Salinity	Dominant species	Dinophysis	Pseudo-nitzschia	Alexandrium
8/15/2020	Peterson Bay	13.3	29	Sparse Sample	None	None	None
8/19/2020	Homer Harbor	14	26.3	Sparse Sample	None	None	None
8/19/2020	Halibut Cove	13	26	Sparse Sample	Present	None	None

*Samples received after last weekly update

OUTER BAY

DATE	Bay	Water Temp	Salinity	Dominant species	Dinophysis	Pseudo-nitzschia	Alexandrium
8/8/2020*	Seldovia Harbor	12	30	Sparse Sample	None	None	None
8/13/2020*	Seldovia Harbor	13	31	<i>Chaetoceros</i> sp.	None	None	None
8/15/2020	Jakolof	12	-	Sparse Sample	Present	None	None
8/17/2020	Sadie Cove	17	-	Sparse Sample	Present	None	None

*Samples received after last weekly update

RESURRECTION BAY

DATE	Bay	Water Temp	Salinity	Dominant species	Dinophysis	Pseudo-nitzschia	Alexandrium
8/17/2020	SMIC floating dock	15.1	25.7	Sparse Sample	None	None	None

*Samples received after last weekly update



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