

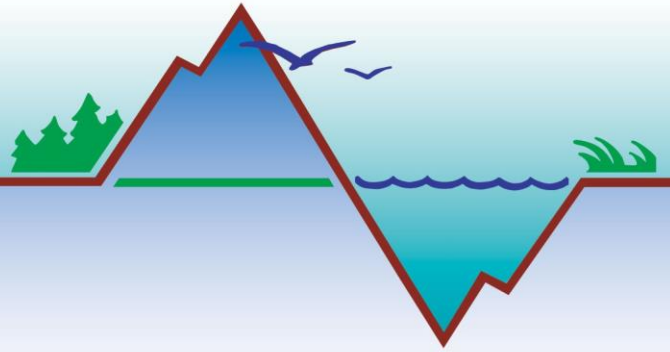
Kachemak Bay Research Reserve Phytoplankton Update

July 31st to August 6th, 2020

Harmful Algal Bloom Program

Rosie Masui 907-235-1598 rmmasui@alaska.edu

Jasmine Maurer 907-235-4799 jmaurer@alaska.edu



Hello Everyone,

This week we have results to share from our wild shellfish toxin testing program. Blue mussels collected from China Poot on July 16th 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>
7/16/2020	Blue mussels	China Poot	Saxitoxins-PSP	Below regulatory limit.

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

This week the inner bay had sparse phytoplankton at all the sampling sites. This contrasts with the outer bay samples that had numerous phytoplankton from a variety of different species at all sample locations.

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

Rosie Masui, and 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
7/31/2020	Peterson Bay	14.5	30	Sparse Sample	None	None	None
8/1/2020	Peterson Bay	12.2	-	Sparse Sample	Present	None	None
8/4/2020	Homer Harbor	13.5	25.8	Sparse sample	Present	None	None
8/4/2020	China Poot Entrance	13.5	23.8	Sparse Sample	None	None	None
8/4/2020	Halibut Cove	13	27	Sparse sample	Present	None	None
8/4/2020	Bear Cove	-	20	Sparse Sample	None	None	Present

*Samples received after last weekly update

OUTER BAY

DATE	Bay	Water Temp	Salinity	Dominant species	Dinophysis	Pseudo-nitzschia	Alexandrium
7/30/2020*	Tutka Lagoon	13.7	26.8	Mixed Diatoms	Present	Present	None
8/2/2020	Tutka Bay	11.2	29.3	Sparse Sample	Present	None	Present
8/4/2020	Kasitsna Bay	10.9	30.6	Mixed Diatoms & Dinoflagellates	Present	Present	None
8/4/2020	Sadie Cove	13.6	12.7	<i>Chaetoceros</i> sp.	Present	Present	Present
8/4/2020	Eldred Passage	11.9	29.8	<i>Chaetoceros</i> sp.	Present	Present	None

*Samples received after last weekly update



Kachemak Bay National Estuarine Research Reserve
Alaska Center for Conservation Science
UNIVERSITY of ALASKA ANCHORAGE