

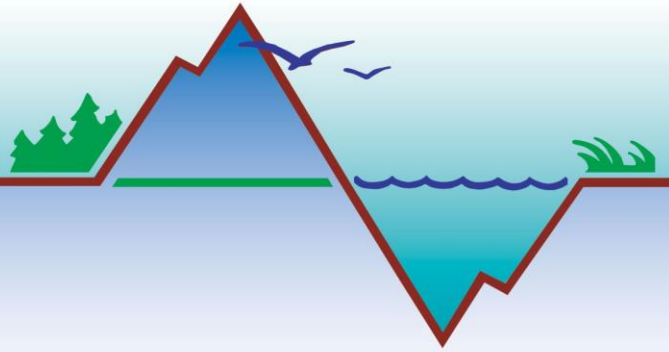
Kachemak Bay Research Reserve Phytoplankton Update

September 25th to October 8th, 2020

Harmful Algal Bloom Program

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

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



Hello Everyone,

During the past two weeks we have continued to see a variety of phytoplankton species present in Kachemak Bay. Although Seldovia and Homer Harbors have had few phytoplankton other sampling sites continue the trend from late September with abundant phytoplankton samples composed of a wide variety of species. We will continue to monitor phytoplankton in Kachemak Bay so long as weather conditions allow us to collect them safely.

Rosie and Jasmine will be participating in this year's virtual Rotary Health Fair's Facebook live event the first week of November, exact day and time to be determined. We will be sharing information on Harmful Algal Blooms (HABs) risks to human health, KBNERR's phytoplankton monitoring program, and answering questions on these topics to increase community awareness of HABs. We are excited for this opportunity to participate in the 2020 Rotary Health Fair.

The next KBNERR phytoplankton update will be sent out on October 22nd.
As always, reach out with any questions.

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
9/24/2020	Homer Harbor	11.2	28	Sparse Sample	None	Present	None
9/29/2020	Homer Harbor	9.3	25.1	<i>Skeletonema</i> sp.	None	Present	None
10/1/2020	Peterson Bay	10.1	31	<i>Thalassiosira</i> sp.	None	Present	None

*Samples received after last weekly update

OUTER BAY

DATE	Bay	Water Temp	Salinity	Dominant species	Dinophysis	Pseudo-nitzschia	Alexandrium
9/10/2020*	Seldovia Harbor	9.5	28	Sparse Sample	Present	Present	None
9/24/2020*	Kasitsna Bay	10.9	30.4	Mixed Diatoms	Present	Present	None
9/24/2020*	Tutka Bay	11.3	27.8	<i>Chaetoceros</i> sp. and <i>Thalassiosira</i> sp.	Present	Present	None
9/24/2020*	Sadie Cove	11.3	30.1	Mixed Diatoms	Present	Present	None
9/24/2020*	Eldred	11.1	29.6	Mixed Diatoms	Present	Present	None
9/25/2020	Seldovia Harbor	10.8	30	Sparse Sample	Present	None	None
10/2/2020	Seldovia Harbor	9.3	24	Sparse Sample	None	Present	None
10/6/2020	Seldovia Harbor	9.3	22.9	Sparse Sample	None	Present	None
10/6/2020	Kasitsna Bay	10.5	29.4	<i>Thalassiosira</i>	Present	Present	None
10/6/2020	Tutka Bay	7.8	-	Sparse Sample	Present	Present	None
10/6/2020	Sadie Cove	9.0	22.2	Mixed Diatoms	Present	Present	None
10/6/2020	Eldred	9.8	27.2	Mixed Diatoms	Present	Present	None

*Samples received after last weekly update



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