

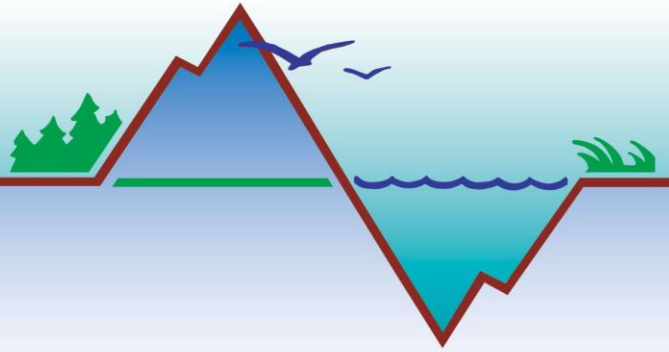
Kachemak Bay Research Reserve Phytoplankton Update

October 9th to October 22nd, 2020

Harmful Algal Bloom Program

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Hello Everyone,

Phytoplankton samples from the past two weeks have mostly been sparse. However, Peterson Bay, Bear Cove and Sadie's Cove had moderate abundances of a variety of species present this week. We have also received this summer's phytoplankton samples from our partners in Prince William Sound and are analyzing those. Information from Prince William Sound samples will be included in our annual report, however, please reach out if you are interested in knowing more about these phytoplankton samples.

Rosie and Jasmine will be participating in this year's virtual Rotary Health Fair's Facebook live event on November 10th at 7pm. 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.

This is the last phytoplankton update of 2020. We will continue to collect weekly samples from Homer Harbor while there is open water to do so and analyze any samples from our partners that continue to collect them. Weekly updates will begin again in April of 2021. We will be composing our Annual Phytoplankton Report and sharing that with you all in December.

As always, 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
10/20/2020	Homer Harbor	8.7	28.7	Sparse Sample	None	Present	None
10/20/2020	Peterson Bay	9.8	29.5	Mixed Diatoms	Present	Present	None
10/20/2020	Halibut Cove	9.6	29.4	Sparse Sample	Present	Present	None
10/20/2020	Bear Cove	8.7	28.2	Mixed Diatoms	Present	Present	None

*Samples received after last weekly update

OUTER BAY

DATE	Bay	Water Temp	Salinity	Dominant species	Dinophysis	Pseudo-nitzschia	Alexandrium
9/26/2020*	Tutka Bay	11.5	27.0	Mixed Diatoms	Present	Present	None
10/4/2020*	Tutka Bay	10.2	26.5	Sparse Sample	None	None	None
10/8/2020*	Seldovia Harbor	9.6	28	Sparse Sample	None	Present	None
10/16/2020	Seldovia Harbor	9.0	30	Sparse Sample	None	None	None
10/17/2020	Sadie Cove	9.5	27	<i>Ditylum & Eucampia</i>	Present	Present	None

*Samples received after last weekly update



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