

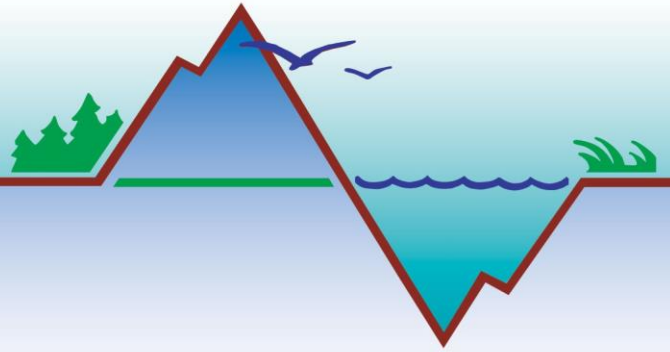
Kachemak Bay Research Reserve Phytoplankton Update

June 26th to July 3rd, 2020

Harmful Algal Bloom Program

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

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



Hello Everyone,

Happy Fourth of July! And what a positive weather forecast we have for the long weekend ahead of us. This week we are seeing a decline in the number of *Chaetoceros* sp. in the samples although *Chaetoceros* sp. remain the most dominant phytoplankton in many areas. This is a common occurrence as we enter July, and as always we are curious to see which species dominate in the weeks ahead. You may also notice that many of our samples have species of concern, *Dinophysis*, *Pseudo-nitzschia*, or *Alexandrium*, “present”. Present means we saw at least one cell of a species of concern in the sample. We keep close track of the species of concern and will include additional information in our updates should we observe concentrations of a species of concern that reach abundant or bloom levels.

Wild shellfish in the state of Alaska are considered dig at your own risk.

All commercially harvested shellfish are regulated by the DEC and considered safe for consumption.

Wishing everyone a safe and healthy summer holiday. Please reach out with any questions.

Thanks to all our monitors and partners for the phytoplankton 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
6/26/2020	Peterson Bay	10	30	<i>Heterocapsa</i> sp.	Present	Present	Present
6/28/20	Halibut Cove	11	20	Sparse Sample	None	None	None
6/29/20	China Poot	9	31	<i>Chaetoceros</i> sp.	Present	Present	Present
6/30/2020	Homer Harbor	11.2	29	Mixed Diatoms	Present	Present	None

*Samples received after last weekly update

OUTER BAY

DATE	Bay	Water Temp	Salinity	Dominant species	Dinophysis	Pseudo-nitzschia	Alexandrium
6/18/20	Tutka Lagoon	9.8	26.1	Sparse Sample	None	None	None
6/22/20	Tutka Bay	9.9	28.1	<i>Chaetoceros</i> sp	None	None	None
6/27/20	Sadie Cove	10.5	29	<i>Chaetoceros</i> sp.	None	None	None
6/30/20	Sadie Cove	13	33	<i>Chaetoceros</i> sp.	None	Present	None

*Samples received after last weekly update

RESSURECTION BAY

DATE	Bay	Water Temp	Salinity	Dominant species	Dinophysis	Pseudo-nitzschia	Alexandrium
6/29/2020	Seward Small Boat Dock	13	26.2	<i>Chaetoceros</i> sp.	None	None	None



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