

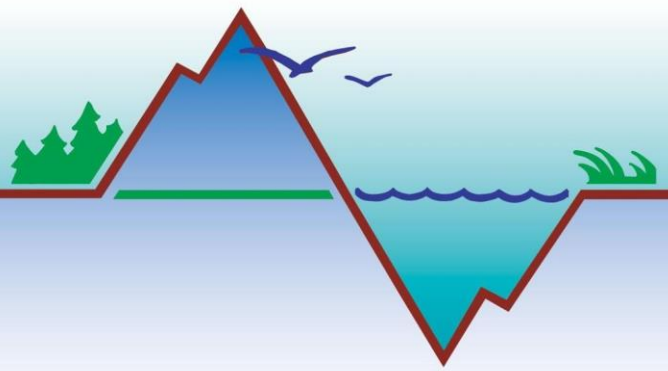
## Kachemak Bay Research Reserve Phytoplankton Update

July 23<sup>rd</sup> – July 29<sup>th</sup>, 2021

Harmful Algal Bloom Program

Rosie Masui 907-235-1598 [rmmasui@alaska.edu](mailto:rmmasui@alaska.edu)

Jasmine Maurer 907-235-4799 [jmaurer@alaska.edu](mailto:jmaurer@alaska.edu)



Hello Everyone,

This week we continued to see a variety of phytoplankton species present in samples from the inner and outer bay. *Dactyliosolen* sp. dominated several sites in outer Kachemak Bay and *Chaetoceros* spp. were blooming in Halibut Cove. *Chaetoceros* spp. have spines that can clog gills in fishes. This can be problematic for fishes held in net pens when they are unable to swim away from a bloom, however *Chaetoceros* spp. do not produce any toxins.

As always, please reach out with any questions.

Thank you to all our monitors for collecting phytoplankton samples!

Jasmine and Rosie

\*\*Due to weather delays, shipping distances and times, the processing of some samples may happen after the weekly update is shared. The results from these samples will be included in subsequent updates, which is why not all sample dates in the tables below fall within the date range of the current Weekly Update.

### Kachemak Bay Research Reserve Phytoplankton Update Qualitative Analysis Phytoplankton Data

#### INNER BAY

DATE	Bay	Water Temp	Salinity	Dominant species	Dinophysis	Pseudo-nitzschia	Alexandrium
7/22/2021	China Poot	10	31	Mixed Diatoms	None	Present	None
7/27/2021	Halibut Cove	8	26	<i>Chaetoceros</i> sp. bloom	None	None	None
7/28/2021	Homer Harbor	12.4	27.5	Sparse Sample	None	Present	None

#### OUTER BAY

DATE	Bay	Water Temp	Salinity	Dominant species	Dinophysis	Pseudo-nitzschia	Alexandrium
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7/22/2021	Seldovia Harbor	10	34	<i>Dactyliosolen</i> sp.	None	Present	None
7/28/2021	Jakolof	10.8	30.6	Mixed Diatoms	Present	Present	None
7/28/2021	Kasitsna	10.9	30.3	Mixed Diatoms	None	None	None
7/28/2021	Tutka Bay	12.1	25.6	<i>Dactyliosolen</i> sp. Bloom	Present	Present	None



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