

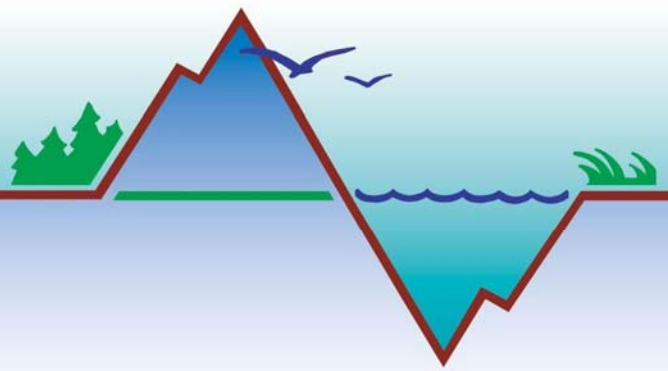
Kachemak Bay Research Reserve Phytoplankton Update

August 20th – August 26th, 2021

Harmful Algal Bloom Program

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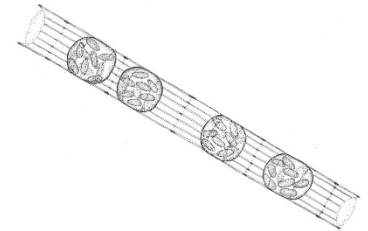
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Hello Everyone,

This week we saw the diatom *Skeletonema* sp. blooming in Homer Harbor and Peterson Bay. *Skeletonema* sp. are found worldwide and often present in Kachemak bay, cells are connected to adjoining cells by “knuckles” on threads extending between the cells. *Skeletonema* sp. are considered a good food source for oysters and zooplankton.

Samples also arrived from two Cook Inlet sites from earlier this month, both locations had sparse phytoplankton on the date sampled.



Skeletonema illustration by Conrad Field

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
8/22/2021	Peterson Bay	12.8	30	<i>Skeletonema</i> Bloom	None	Present	None
8/24/2021	Peterson Bay CACS	11	30	<i>Skeletonema</i> Bloom	None	Present	None
8/26/2021	Homer Harbor	11.3	28	<i>Skeletonema</i> Bloom	Present	Present	None

COOK INLET

DATE	Bay	Water Temp	Salinity	Dominant species	Dinophysis	Pseudo-nitzschia	Alexandrium
8/4/2021	Kirshner Falls	13.15	25	Sparse Sample	None	None	None
8/4/2021	Bruin Bay	14	29	Sparse Sample	None	None	None



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