

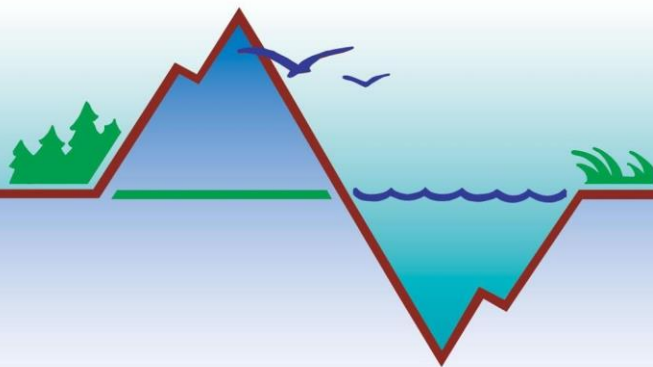
## Kachemak Bay Research Reserve Phytoplankton Update

June 4<sup>th</sup> – June 10<sup>th</sup>, 2021

Harmful Algal Bloom Program

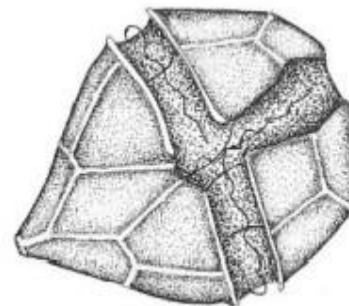
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Hello Everyone,

Phytoplankton samples from inner and outer Kachemak Bay have been primarily sparse. We are seeing an abundant amount of *Scrippsiella spp.* in Peterson Bay. This dinoflagellate looks similar to *Alexandrium spp.*, the harmful algal bloom genus that we keep track of, except for a few differences. *Scrippsiella spp.* has a pointed epitheca and it's cingulum is in alignment. Check out this great illustration done by Conrad Field for reference. For more information about the phytoplankton we are keeping track of check out our updated guide at: <https://accs.uaa.alaska.edu/wp-content/uploads/KBNER-Phytoplankton-Guide-2021.pdf>



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Thank you to all our monitors for collecting phytoplankton samples!  
Jasmine and Rosie

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

#### INNER BAY

DATE	Bay	Water Temp	Salinity	Dominant species	Dinophysis	Pseudo-nitzschia	Alexandrium
6/5/2021	Peterson Bay	6.1	30	<i>Scrippsiella</i>	None	Present	None
6/8/2021	Halibut Cove	7	30	Sparse Sample	None	None	None
6/9/2021	Homer Harbor	11	24.9	Sparse sample	None	None	None

\*Samples received after last weekly update

## **OUTER BAY**

<b>DATE</b>	<b>Bay</b>	<b>Water Temp</b>	<b>Salinity</b>	<b>Dominant species</b>	<b>Dinophysis</b>	<b>Pseudo-nitzschia</b>	<b>Alexandrium</b>
6/1/2021 *	Nanwalek Beach	10	25	Sparse sample	None	None	None
6/4/2021	Seldovia Harbor	8.1	28	Sparse sample	None	Present	None

\*Samples received after last weekly update



**Kachemak Bay National Estuarine Research Reserve**  
**Alaska Center for Conservation Science**  
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