

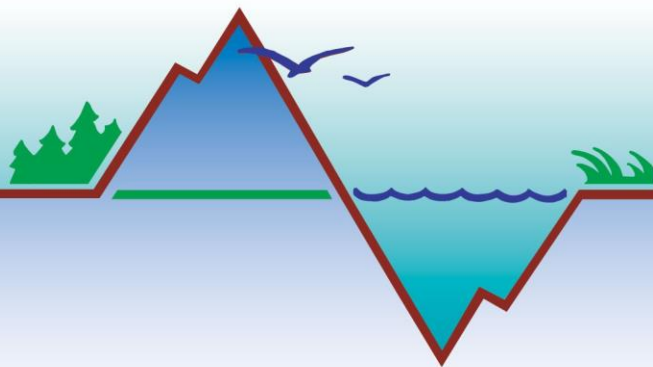
Kachemak Bay Research Reserve Phytoplankton Update

April 30th – May 13th, 2021

Harmful Algal Bloom Program

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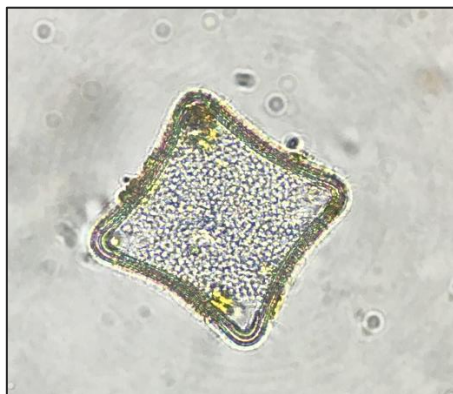
Hello Everyone,

A big thanks to all our monitors who participated in our annual monitor training at the end of April. A reminder for those of you who joined us for the training to please take the evaluation available at the link below. Your responses help us to develop future trainings!

<https://www.surveymonkey.com/r/XCRZW9P>

Phytoplankton samples from inner and outer Kachemak Bay have been sparse. Although the number of phytoplankton in the samples has been low the diversity has increased over the past two weeks.

In the sample from Seldovia Harbor from April 29th we saw several representatives of the diatom *Triceratium*. This is a diatom that we see infrequently and is very beautiful. Species of *Triceratium* that we see are generally large and they can be square, like the one below from Seldovia Harbor in April,



triangular or even star shaped.

The updated guide for **Marine Phytoplankton of South-Central Alaska** is complete. You can access the guide by reaching out to us or downloading it directly from KBNERR's website at

<https://accs.uaa.alaska.edu/wp-content/uploads/KBNERR-Phytoplankton-Guide-2021.pdf>

As always please email us with any questions. Email is the best method to reach KBNERR staff while we continue to work remotely.

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
5/5/2021	Homer Harbor	7.7	27.2	Sparse sample	None	None	None
5/13/2021	½ mile off the Spit	5.2	-	Sparse sample	None	None	None
5/13/2021	Gull Island	5.2	-	Tintinnids	None	None	None

*Samples received after last weekly update

OUTER BAY

DATE	Bay	Water Temp	Salinity	Dominant species	Dinophysis	Pseudo-nitzschia	Alexandrium
4/28/2021*	Tutka Bay	5.3	-	Sparse sample	Present	None	None
4/29/2021*	Seldovia Harbor	5.0	30.0	Sparse sample	None	None	Present
4/30/2021	Tutka Lagoon	5.3	-	Sparse sample	None	Present	None
5/5/2021	Tutka Lagoon	6.0	25.6	Sparse sample	None	None	None
5/7/2021	Seldovia Harbor	5.9	-	Sparse sample	None	Present	None
5/11/2021	Nanwalek Beach	-	-	Sparse sample	None	Present	None
5/11/2021	Nanwalek Lagoon	-	-	Sparse Sample	None	None	None

*Samples received after last weekly update

