

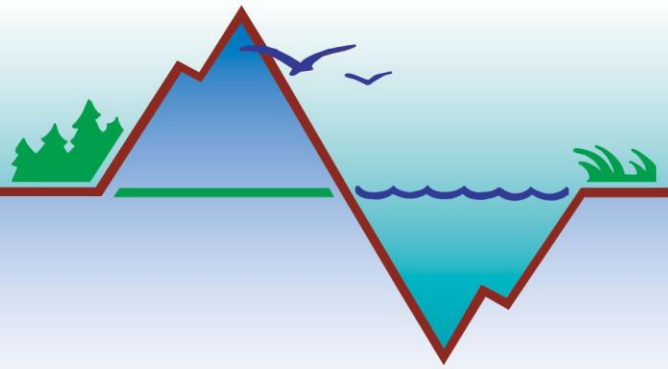
Kachemak Bay Research Reserve Phytoplankton Update

November 2020 – April 29th, 2021

Harmful Algal Bloom Program

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Hello Everyone,

Spring is here and time to share our first phytoplankton update of 2021!

Since our last update in October of 2020 we collected regular samples from the Homer Harbor and received samples from Seldovia Harbor from our partners at Seldovia Village Tribe. Throughout the winter months Homer and Seldovia Harbors had low numbers of phytoplankton.

This year we hosted our Annual Community Monitor Training virtually via Zoom on April 29th. Monitor resources and a tutorial on phytoplankton collection can be found at

<https://accs.uaa.alaska.edu/kbnerr/community-monitoring/community-monitor-training-resources/>

If you were unable to attend and are interested in watching the recording of this year's training please email Rosie at rmmasui@alaska.edu.

Currently **all** KBNERR staff continue to work remotely. We were granted permission for KBNERR staff and community monitors to conduct phytoplankton sampling this summer in a COVID mindful way. At this time we are not able to host in person events or trainings, however UAA has announced that updated safety guidelines will be released next week which may allow for additional activities this sampling season.

The KBNERR research vessel will be launched next week, and we look forward to collecting more sample and reading the samples from our dedicated monitors!

The tables on the following page will be included in each weekly phytoplankton update. The tables will always include the most recent samples, noting which phytoplankton were dominant in each sample and if species of concern (*Dinophysis*, *Pseudo-nitzschia*, *Alexandrium*) were present in the sample. If a species of concern were to reach abundant or blooming levels that would be included in the table.

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 for all you contribute to keeping our Kachemak Bay communities safe and informed.

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 |
|-----------|--------------|------------|----------|----------------------|------------|------------------|-------------|
| 4/16/2021 | Homer Harbor | 4.1 | 28.1 | Sparse sample | None | None | None |
| 4/26/2021 | Homer Harbor | 7 | 28.6 | <i>Thalassiosira</i> | None | None | None |

*Samples received after last weekly update

OUTER BAY

| DATE | Bay | Water Temp | Salinity | Dominant species | Dinophysis | Pseudo-nitzschia | Alexandrium |
|-----------|-----------------|------------|----------|------------------|------------|------------------|-------------|
| 3/11/2021 | Seldovia Harbor | 1.0 | 32 | Sparse sample | None | Present | None |
| 4/1/2021 | Tutka Lagoon | 3.3 | 31.3 | Sparse sample | None | None | None |
| 4/6/2021 | Tutka Lagoon | 3.3 | 31.6 | Sparse sample | None | Present | None |
| 4/9/2021 | Tutka Lagoon | 2.1 | 31.6 | Sparse sample | None | Present | None |
| 4/13/2021 | Tutka Bay | 3.4 | 31.8 | Sparse sample | None | Present | None |

*Samples received after last weekly update



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