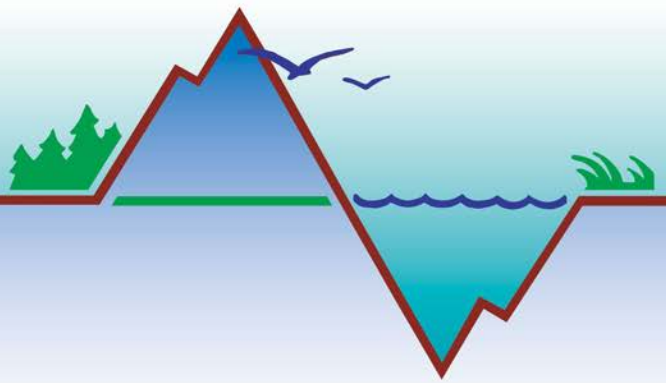


Kachemak Bay Research Reserve Phytoplankton Update

September 19th – September 26th 2019

Harmful Algal Bloom Program

Rosie Robinson 907-235-1598 rmmasui@alaska.edu



Hello Everyone,

This week phytoplankton is sparse in the Inner and Outer Bay. The low levels of phytoplankton in the Outer Bay differs from previous years when we have seen Mixed Diatoms at more abundant levels during this time period. We will continue to monitor phytoplankton and send out bi-weekly updates through the fall.

As always reach out with any questions

Thanks to all of our monitors and partners for the phytoplankton samples!

Rosie Masui & Jasmine Maurer

Kachemak Bay Research Reserve Phytoplankton Update

Qualitative Analysis Phytoplankton Data

INNER BAY

DATE	Bay	Water Temp	Salinity	Dominant species	Dinophysis	Pseudo-nitzschia	Alexandrium
9/17/2019	Bear Cove	11	25	Sparse Sample	None	None	None
9/19/2019	Homer Harbor	11.1	26.3	Sparse Sample	Present	None	Present
9/26/2019	Homer Harbor	10.5	28.5	Sparse Sample	Present	Present	Present

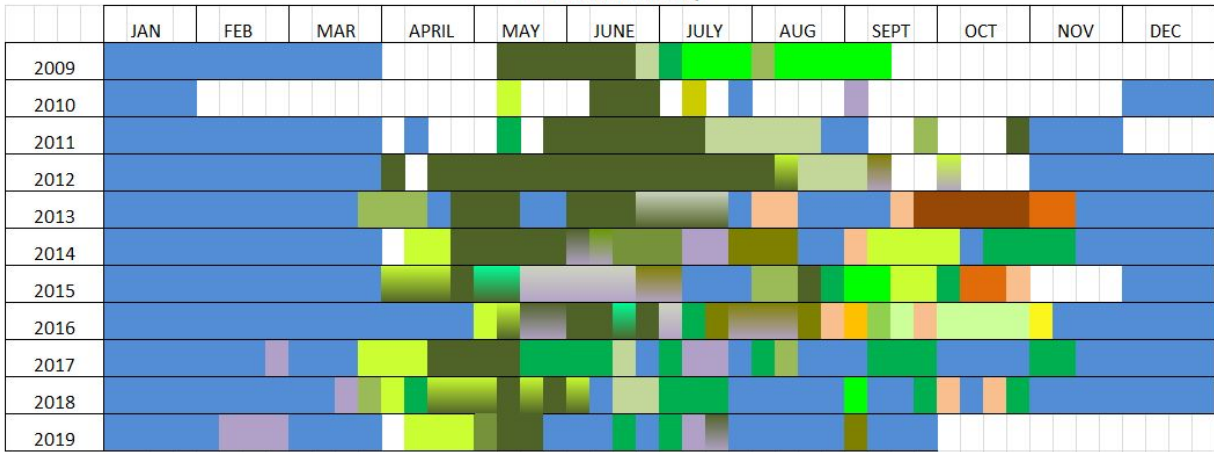
*Samples received after last weekly update

OUTER BAY

DATE	Bay	Water Temp	Salinity	Dominant species	Dinophysis	Pseudo-nitzschia	Alexandrium
9/19/2019	Eldridge Passage	11.7	29.6	Sparse Sample	Present	None	Present
9/19/2019	Seldovia Harbor	12.2	29	Sparse Sample	None	None	None
9/19/2019	Sadie Cove Entrance	11.6	28.3	Prorocentrum	Present	Present	Present
9/19/2019	Kasitsna Bay	11.6	30.0	Sparse Sample	Present	Present	Present

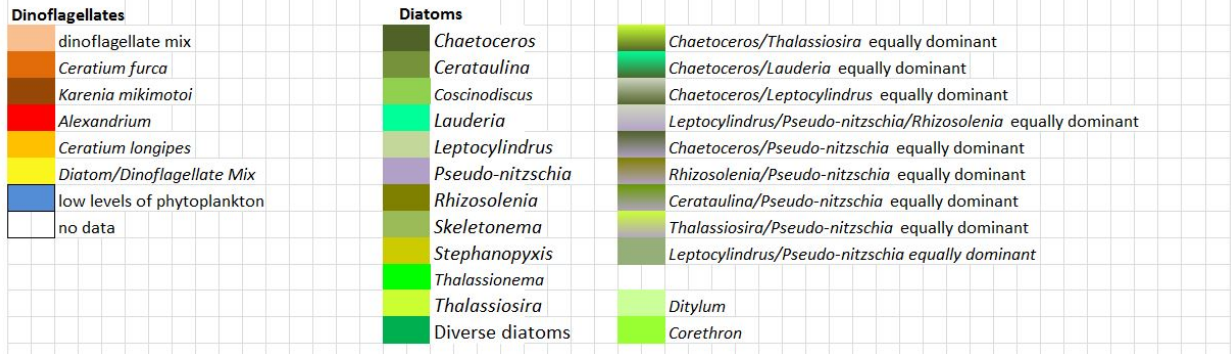
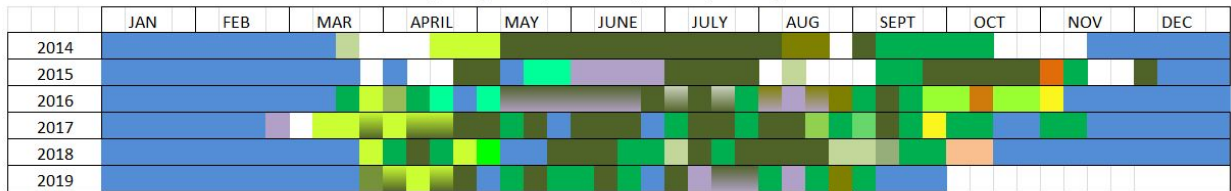
*Samples received after last weekly update

Phytoplankton phenology
Inner Kachemak Bay



Outer Kachemak Bay 2014 - 2019

Sadie, Tutka, Jakolof, Eldred Pass, Kasitsna, Seldovia, Pt. Graham



Kachemak Bay National Estuarine Research Reserve
Alaska Center for Conservation Science
UNIVERSITY of ALASKA ANCHORAGE