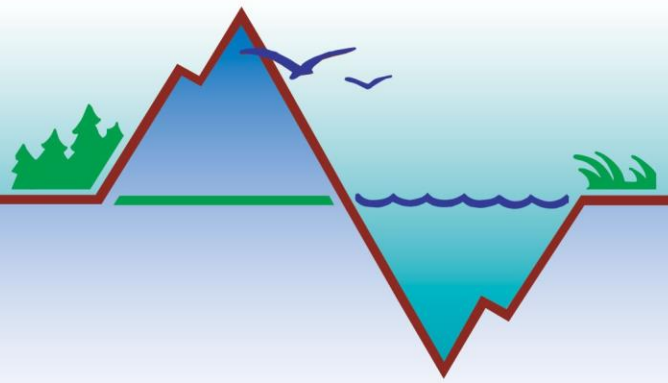


Kachemak Bay Research Reserve Phytoplankton Update

May 24th – 30rd 2019

Harmful Algal Bloom Program

Rosie Robinson 907-235-1598 rmrobinson3@alaska.edu



Hi all,

We saw low levels of phytoplankton in the inner bay this week. *Chaetoceros* spp. continues to be dominant in many areas of the outer bay with mixed diatoms dominating the Port Graham area samples. The ongoing *Chaetoceros* spp. bloom is dying down and we'll have to see what species comes in to dominate next. In past years we have seen it switch over to Mixed Diatoms for a while and last year we also saw a *Leptocylindrus* spp. bloom. We have not seen the other species of concern at high levels. As always – please reach out if you have any questions.

Thanks to all our monitors for sending in samples and readings this week!

Rosie Robinson, Grace Allan, & 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
5/27/2019	Peterson Bay	9.5	32	<i>Chaetoceros</i> spp.	None	Present	None
5/28/2019	Halibut Cove	8	31	Sparse sample	None	None	None

*Samples received after last weekly update

OUTER BAY

DATE	Bay	Water Temp	Salinity	Dominant species	Dinophysis	Pseudo-nitzschia	Alexandrium
5/20/2019	Tutka Bay	8.6	24	<i>Chaetoceros</i> spp.	None	Present	None
5/24/2019	Sadie Cove Entrance	8.4	30.4	<i>Chaetoceros</i> spp.	None	Present	None
5/23/2019	Seldovia Harbor	9.1	29	Sparse Sample	None	Present	None
5/24/2019	Tutka Bay Midbay	8.6	25	<i>Chaetoceros</i> spp.	None	Present	None
5/24/2019	Kasitsna Bay Lab	8.1	30.9	<i>Chaetoceros</i> spp.	None	Present	None
5/25/2019	Tutka Bay	9.0	18	<i>Chaetoceros</i> spp. bloom	None	Present	None

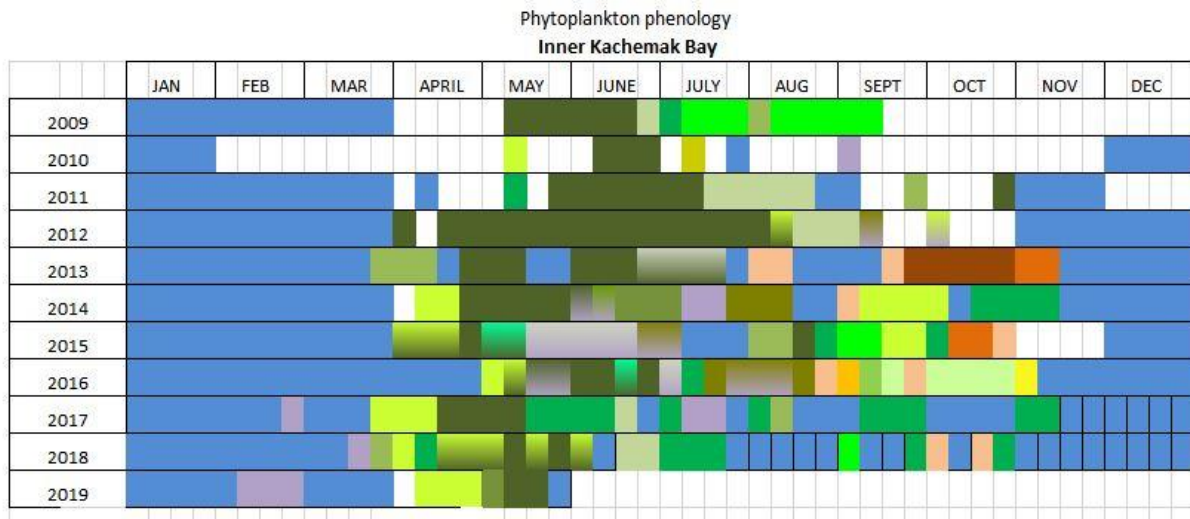
5/28/2019	Port Graham Harbor	7.6	26	Mixed Diatoms	Present	Present	None
5/28/2019	Port Graham Entrance	7.8	25	Mixed Diatoms	None	Present	None
5/29/2019	Tutka Bay	7.5	30	<i>Chaetoceros spp.</i>	None	Present	None

*Samples received after last weekly update

RESURRECTION BAY

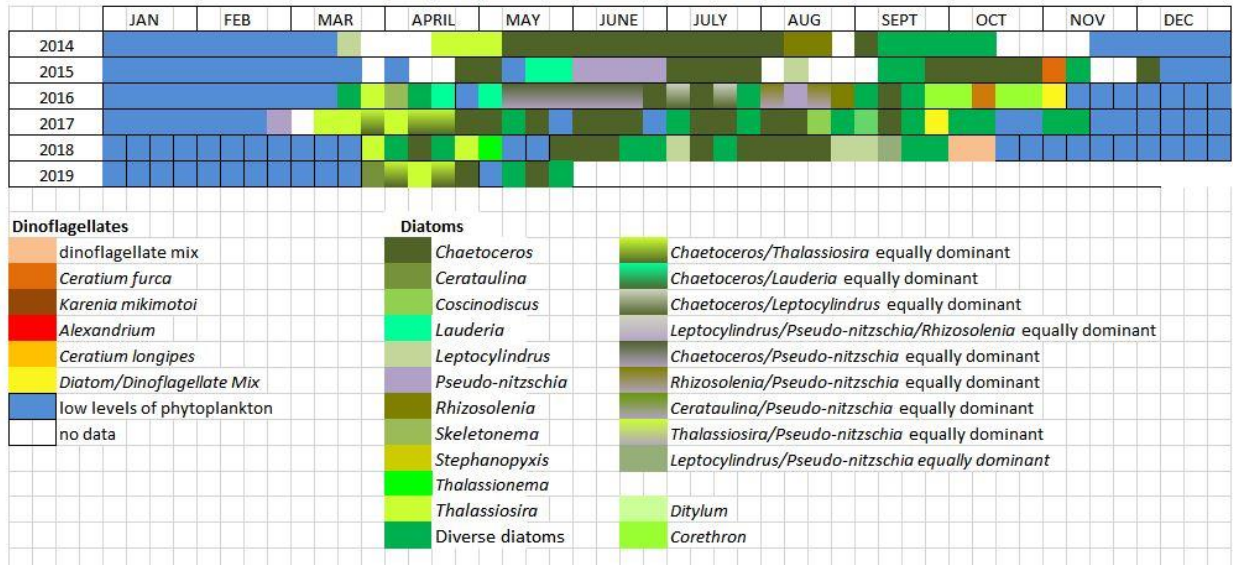
DATE	Bay	Water Temp	Salinity	Dominant species	Dinophysis	Pseudo-nitzschia	Alexandrium
5/17/2019*	SMIC Dock	8.5	27.5	<i>Pseudo-nitzschia</i>	None	Present	None
5/24/2019	SMIC Dock	9.7	26.9	<i>Pseudo-nitzschia</i>	None	Present	None

*Samples received after last weekly update



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
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