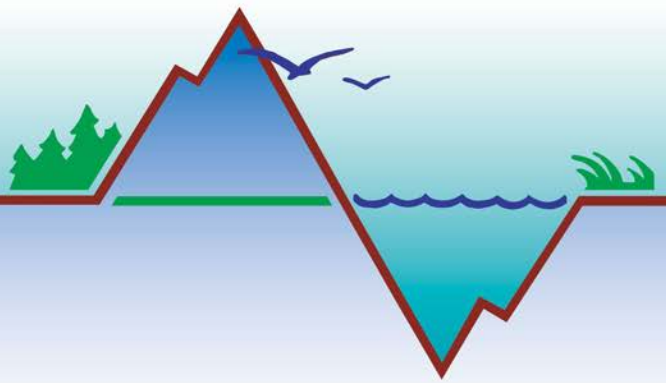


Kachemak Bay Research Reserve Phytoplankton Update

July 12th – July 18th 2019

Harmful Algal Bloom Program

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



Hello Everyone,

This week *Pseudo-nitzschia* continues to dominate samples throughout Kachemak Bay. *Pseudo-nitzschia* is at bloom levels in Halibut Cove, Peterson Bay, and Jakolof Bay. Similarly *Pseudo-nitzschia* dominated samples during July in 2014 & 2017. As a reminder *Pseudo-nitzschia* can produce domoic acid which can lead to amnesic shellfish poisoning when toxic shellfish are consumed. Domoic acid also impacts seabirds, fishes and marine mammals, causing lethargy, disorientation, seizures and even death. Please let us know if you observe animals in unusual places or exhibiting unusual behavior. As always we recommend leaving these animals alone. Stranded marine mammals can be reported to the Marine Mammal stranding network by calling 1-888-774-7325.

All commercially harvested shellfish are regulated by the DEC and considered safe for consumption.

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
7/12/2019	Peterson Bay	16		<i>Pseudo-nitzschia</i>	None	Bloom	None
7/12/2019	Halibut Cove	15		<i>Pseudo-nitzschia</i>	None	Bloom	None
7/12/2019	Gull Island	14		<i>Pseudo-nitzschia</i>	None	Bloom	None
7/13/2019	Peterson Bay		28	Sparse Sample	Present	Present	None
7/14/2019	Halibut Cove	12	27	Sparse Sample	None	Present	None
7/16/2019	Halibut Cove	14	26	<i>Pseudo-nitzschia</i>	None	Bloom	None
7/16/2019	Homer Harbor	14.9	17.7	<i>Skeletonema</i>	Present	Present	None
7/17/2019	Bear Cove	12	15	<i>Skeletonema</i>	Present	Present	Present

*Samples received after last weekly update

OUTER BAY

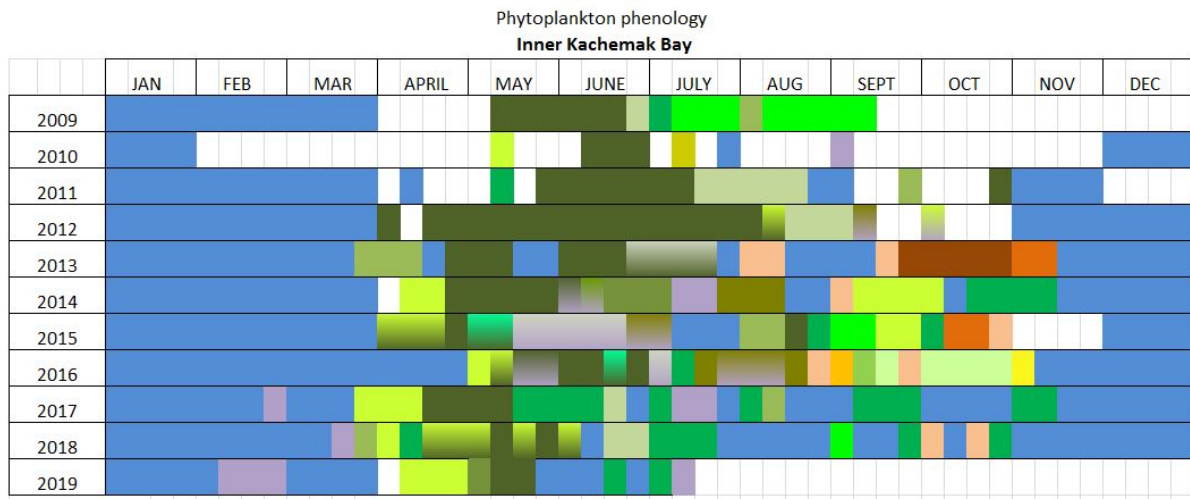
DATE	Bay	Water Temp	Salinity	Dominant species	Dinophysis	Pseudo-nitzschia	Alexandrium
7/11/2019*	Seldovia Harbor	14	30	Sparse Sample	Present	Present	None
7/15/2019	Jakolof Bay	12	28	<i>Pseudo-nitzschia</i> & <i>Chaetoceros</i> bloom	Present	Bloom	Present
7/15/2019	Tutka Bay	13.4	21	<i>Chaetoceros</i> sp.	Present	Present	Present
7/16/2019	Port Graham	10.7	30	<i>Pseudo-nitzschia</i>	None	Present	None
7/16/2019	Port Graham	11	30	<i>Mixed Diatoms</i>	Present	Present	None

*Samples received after last weekly update

RESURRECTION BAY & PRINCE WILLIAM SOUND

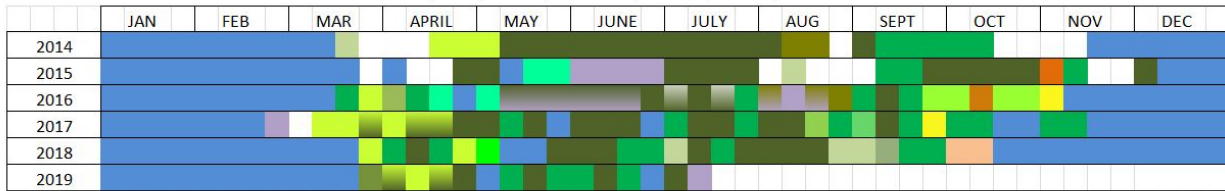
DATE	Bay	Water Temp	Salinity	Dominant species	Dinophysis	Pseudo-nitzschia	Alexandrium
7/13/2019	SMIC Dock	10.7	30.8	Sparse Sample	None	None	None

*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
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