Distributed Biological Observatory (DBO)

Linking Physics & Biology in the Arctic

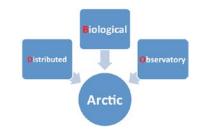
Pacific DBO: Examples of SWL17, AMBON17, HLY1702:Macrofauna and sediments

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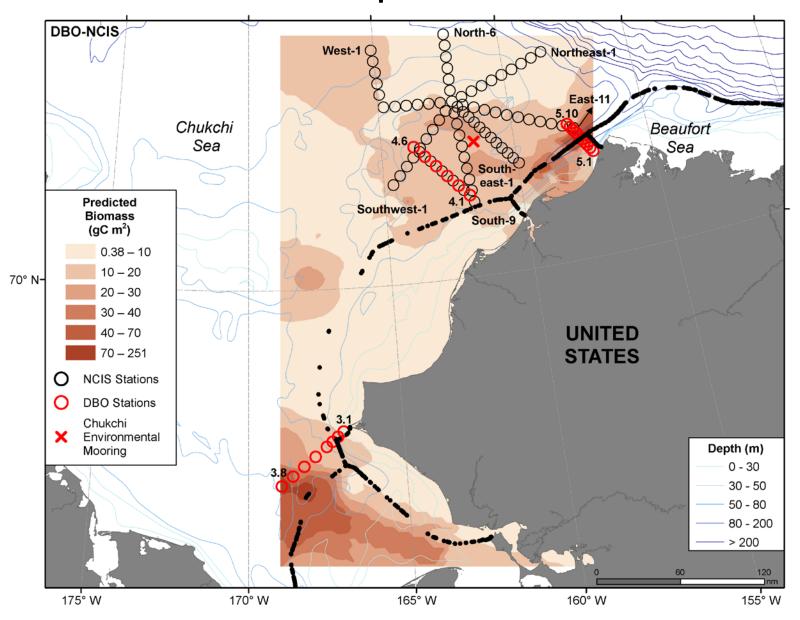
Chesapeake Biological Laboratory
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4th DBO Data Workshop November 8, 2017 Seattle, Washington, USA

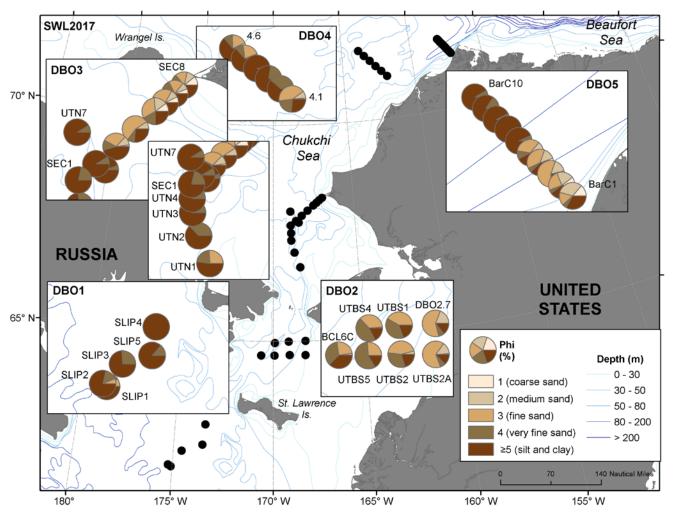




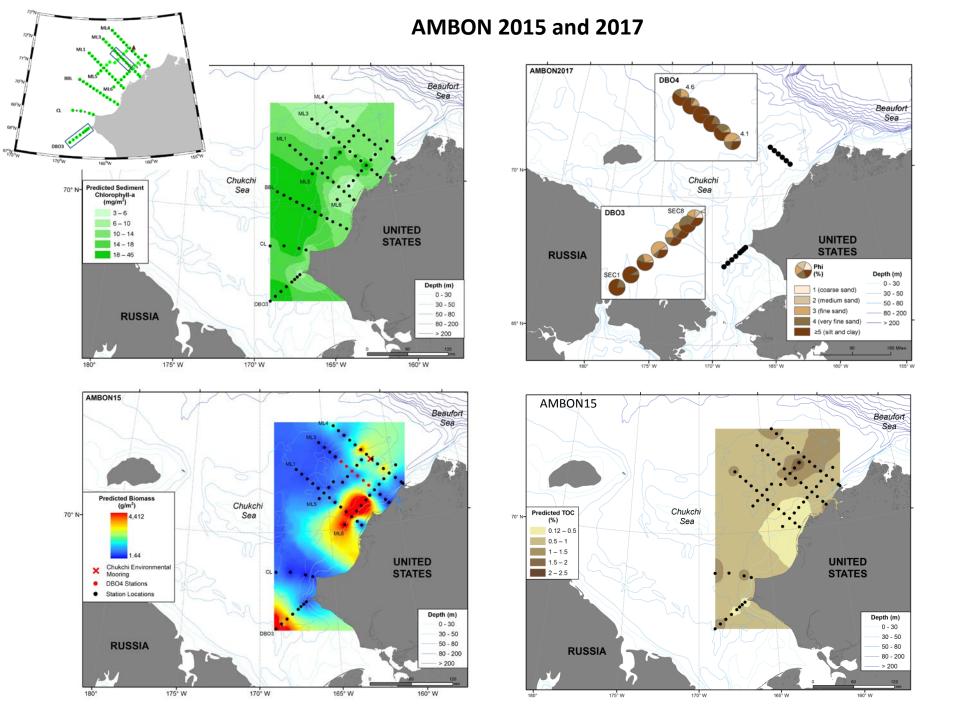
Benthic macrofaunal biomass overlain by HLY1702 sampling plan, with fiber optic cable track



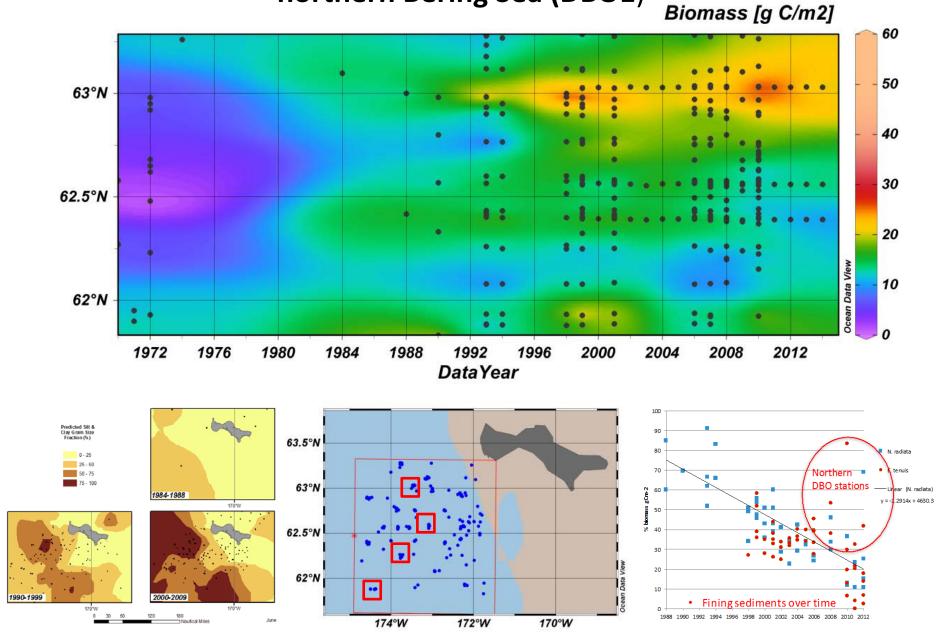
SWL17: Sediment grain size for DBO1-5



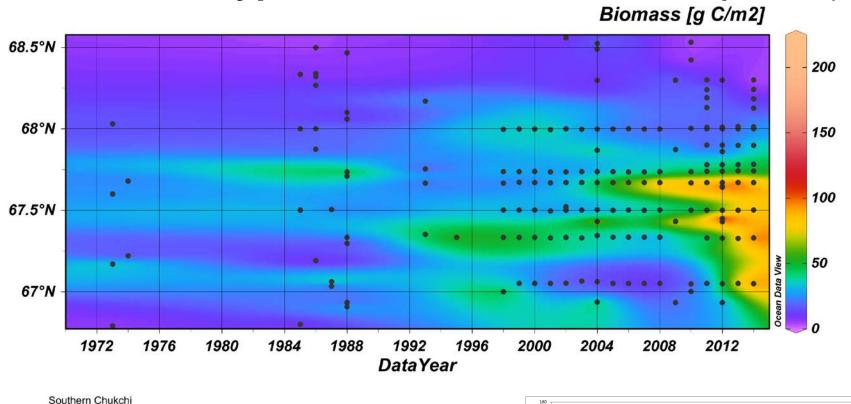
- Highest % total organic carbon content in silt & clay regions in lower current areas
- High silt & clay in DBO1, offshore DBO3 sites, DBO4.4, and western half of DBO5
- High TOC and silt/clay coincident with higher benthic biomass
- Lowest silt & clay content in sandy area of DBO 2 (Chirikov Basin), eastern part of DBO3-DBO5 in Alaska Coastal water

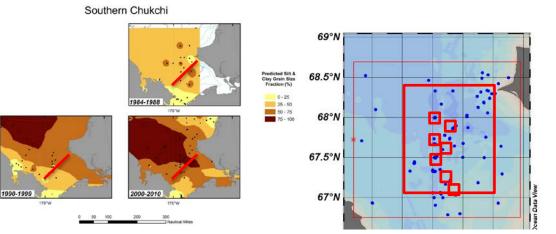


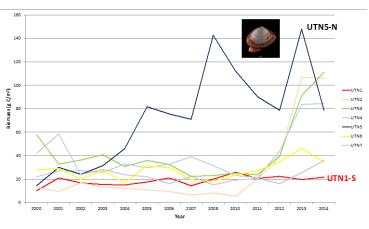
Times series of benthic biomass and dominant macrofauna type in the northern Bering Sea (DBO1)



Times series of benthic biomass and dominant macrofauna type in the SE Chukchi Sea (DBO3)





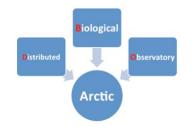


Thank you for your attention.

Questions and comments?

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http://www.arctic.noaa.gov/dbo/

USA agency support







