

Arctic Integrated Ecosystem Research Program

Late Spring Research Surveys: 2017 & 2018

R/V Sikulaiq



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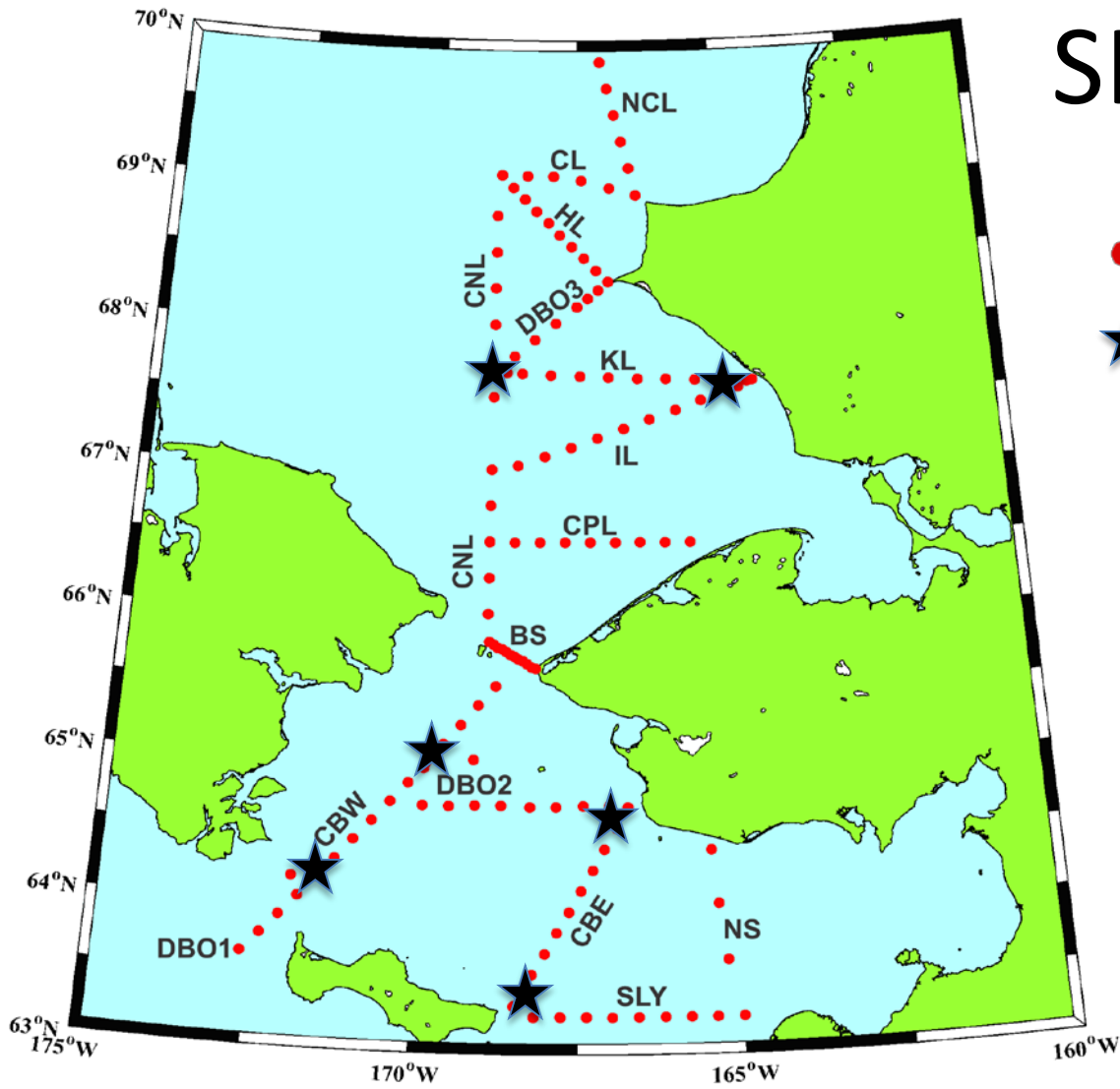


June 2017 Arctic IERP ASGARD Cruise SKQ201709S

- Moorings
- Underway: VM-ADCP, NO₃, ...
- Physical & chemical hydrography
- Phytoplankton
 - Fatty Acids
 - Toxins
 - Prim Prod: ¹³C & ³²Si
- Particles, Microbes, DNA
- Microzooplankton
 - Community composition
 - Dilution grazing experiments
- Mesozooplankton
 - Towed bongo & vertical nets
 - Cohort incubation experiments
 - Pseudocalanus egg production
 - Respirometry
- Seabird obs
- Marine mammal obs
- Epibenthic trawls: PSBT
- Midwater trawls: IKMT
- EK-80
- Multi-core
 - Macro & meiofauna
 - Chl a & quality of OM
 - Environmental DNA
 - Grain size
 - ²³⁴Th for bioturbation rate estimates

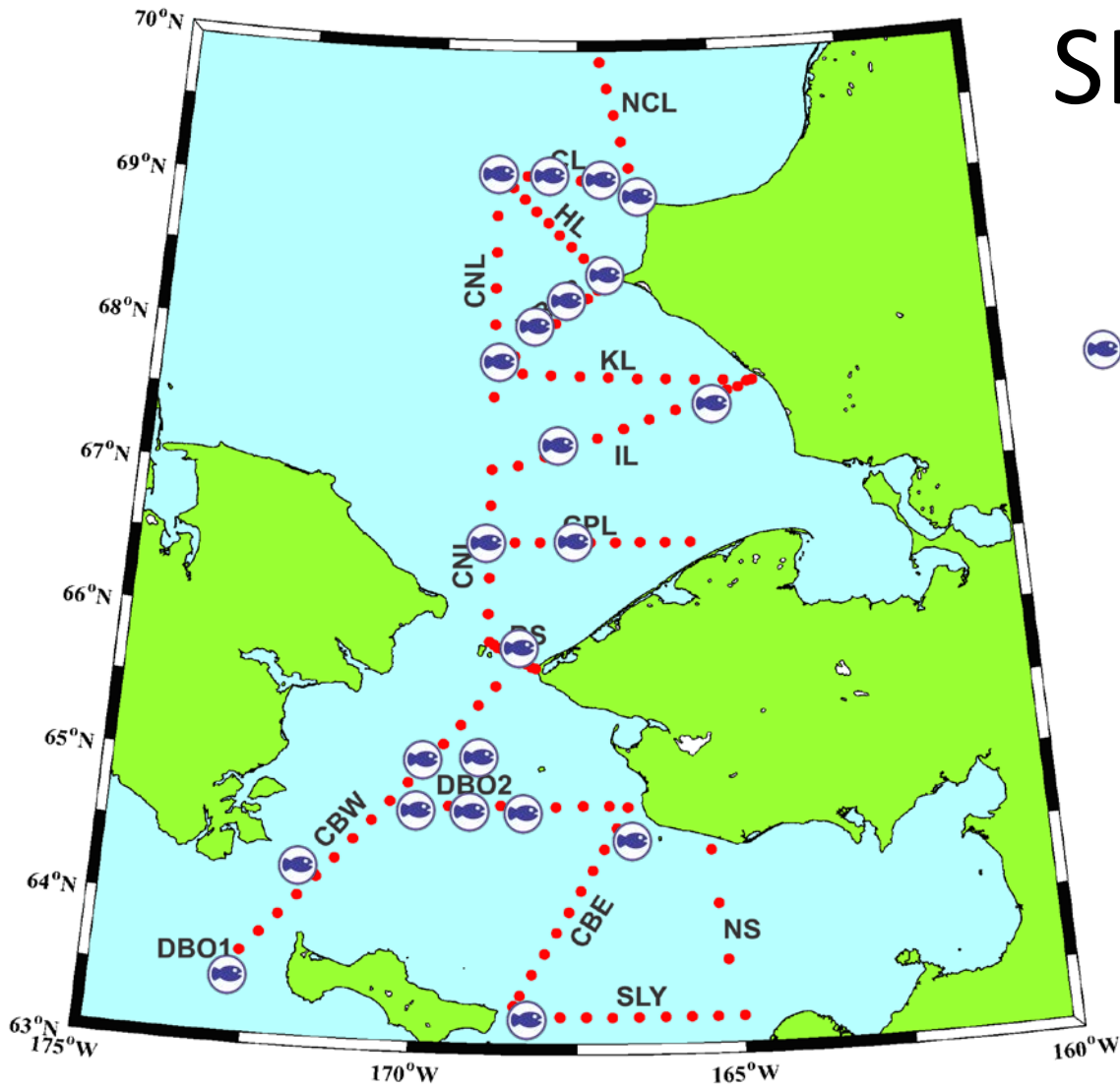



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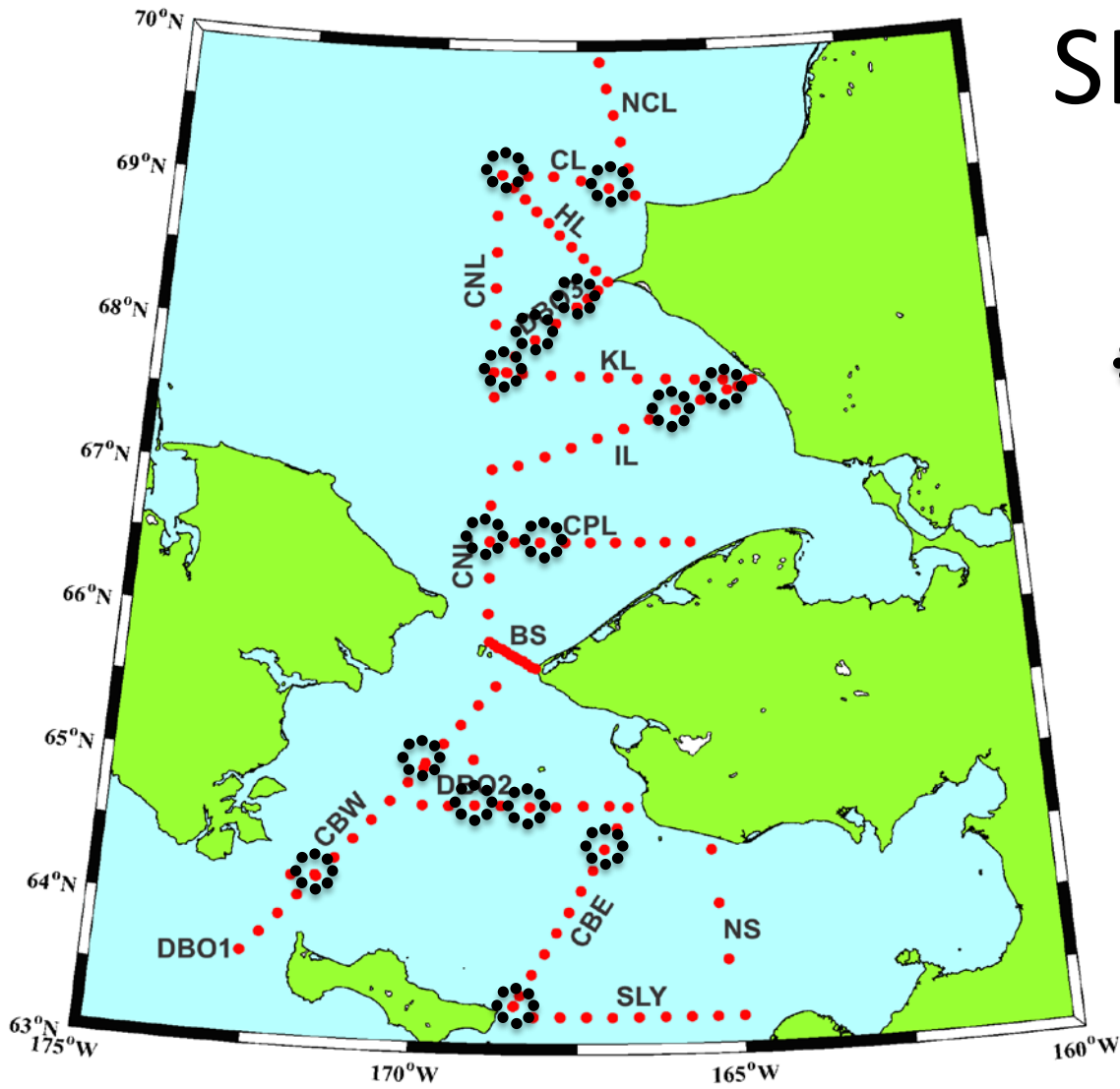
- CTD & Zoop (every other)
- ★ Moorings

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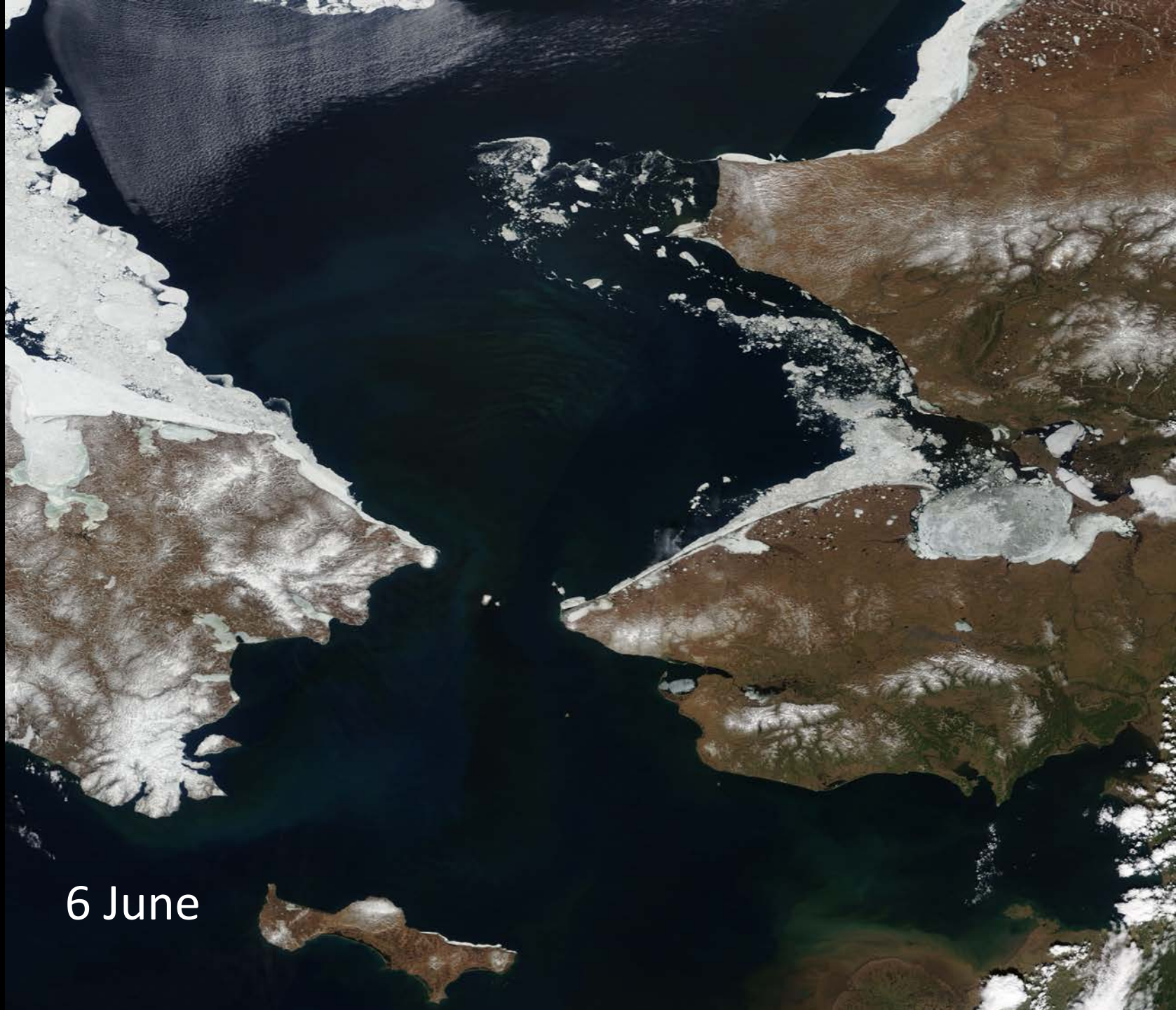


 Midwater & Epibenthic trawls

SKQ201709S



● Multi-Core



6 June

Arctic Integrated Ecosystem Research Program

Late Summer Research Surveys: 2017 & 2019

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R/V Ocean Starr
178 ' – previously the David Starr Jordan

September 26, 2017

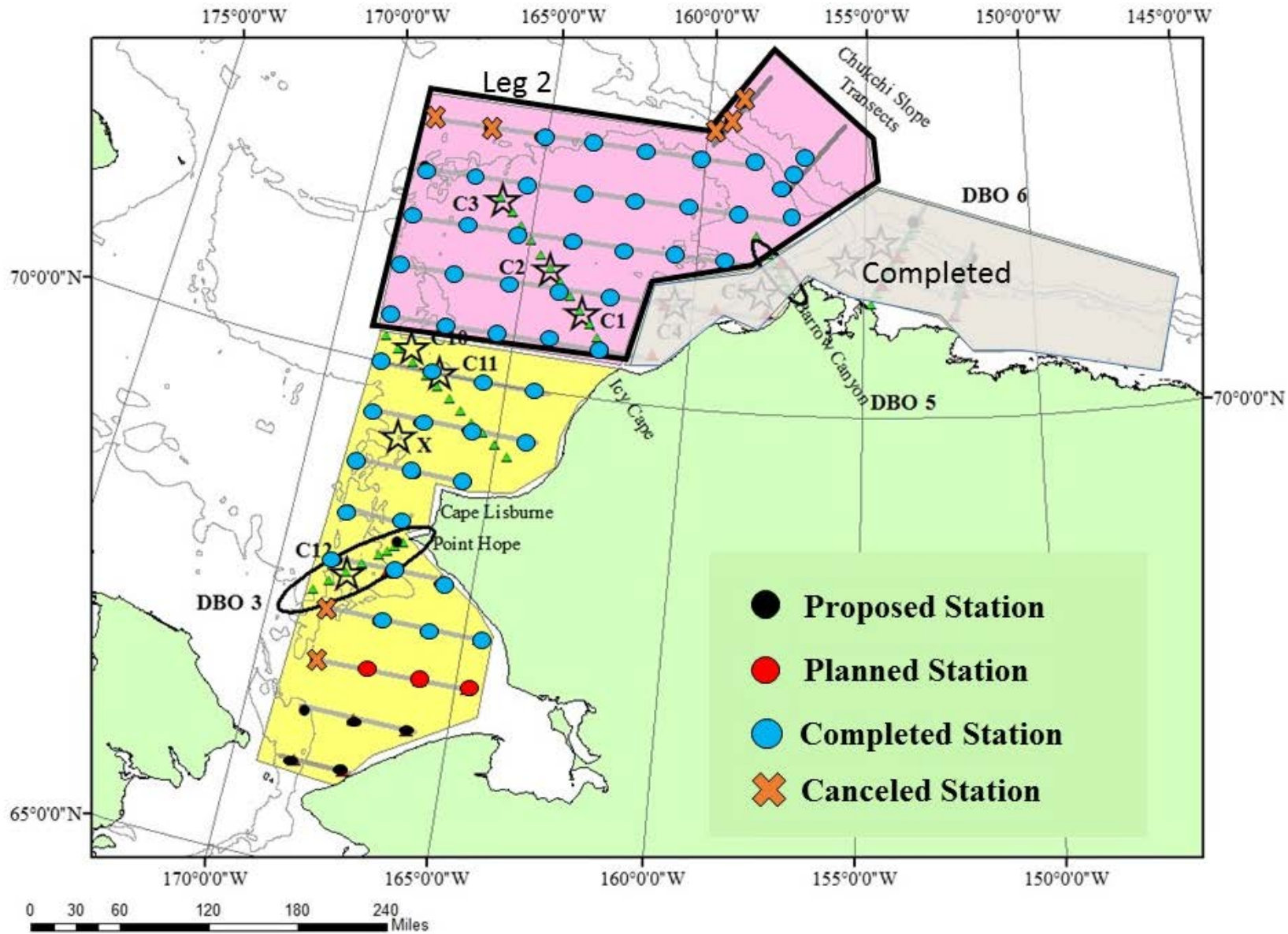
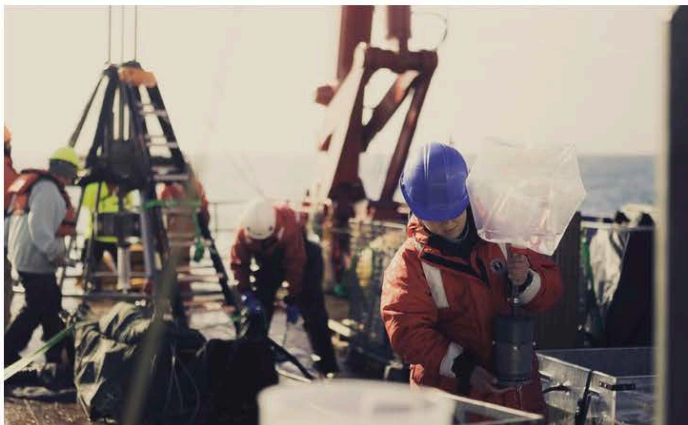




Photo Credit: Brendan Smith/NPRB

Preliminary Results



Preliminary Results

Principal Investigators will share a selection of their preliminary results here throughout the course of the research program. These preliminary results may also be shared at scientific conferences and at meetings of stakeholder groups, including the Arctic Waterways Safety Committee and marine mammal co-management organizations. Final results will be published in reports and peer-reviewed articles, and links to those will be provided as they are published.

2017 ASGARD Cruise Report

2017 ASGARD Community Observer Report

<http://www.nprb.org/arctic-program/preliminary-results/>

7.2.b Coordinate and finalize research plans for integrated ecosystem research cruises in the northern Bering Sea and the Arctic during 2018/2019



August to October
2003, 2007, 2012 to 2013, 2017
Proposed 2019

September
2002 to 2017 (2008)
Proposed 2018 and 2019

August to October
2000 2012, 2014, 2015, 2016
Proposed 2018