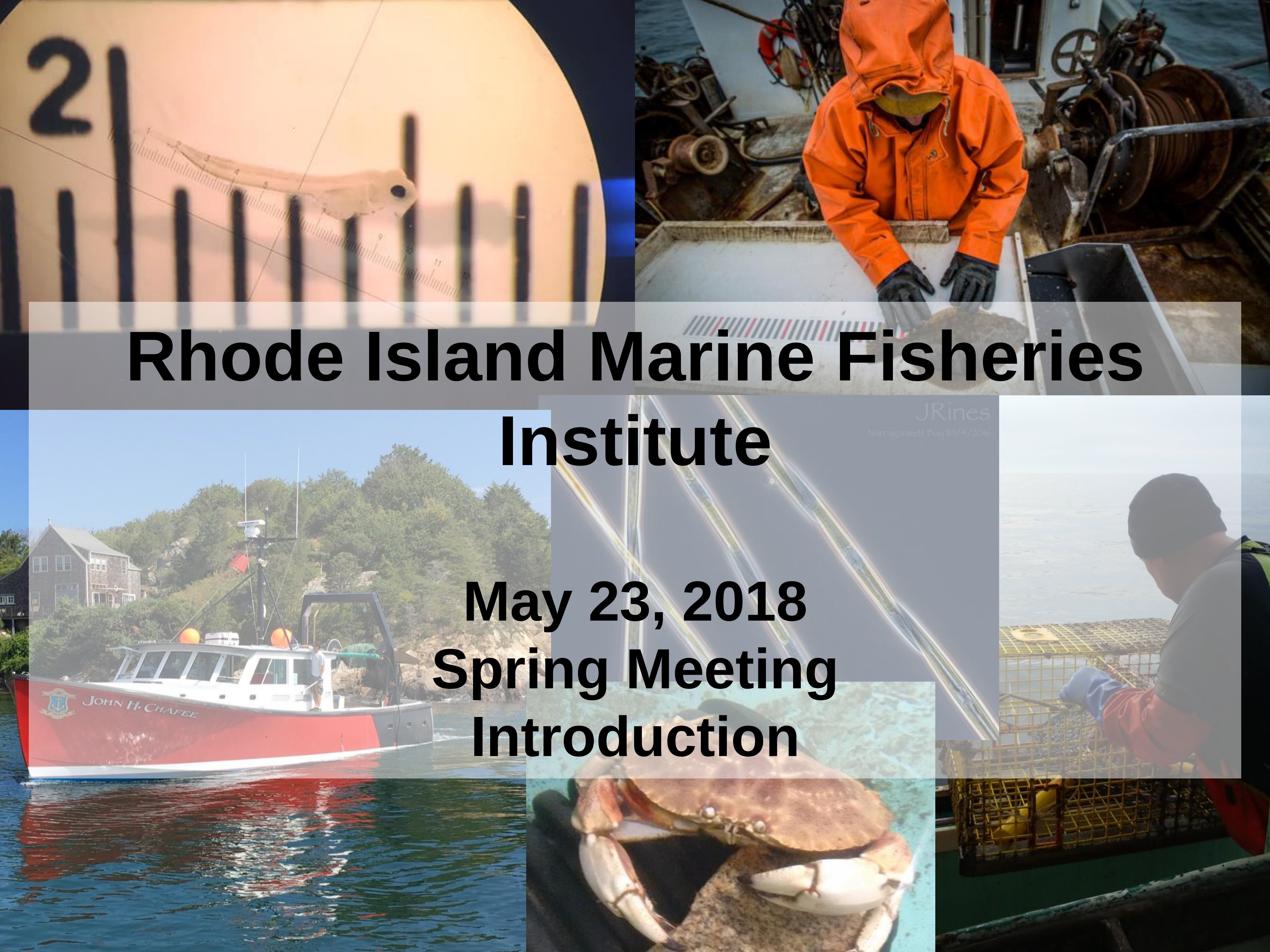

Rhode Island Marine Fisheries Institute
May 23, 2018
Spring Meeting
Introduction
JRines
Narragansett Bay 10/4/2016
JOHN H. CHAFEE

RIMFI Mission

Rhode Island Marine Fisheries Institute (RIMFI) is a collaborative partnership between URI and RI DEM to coordinate and focus state resources and expertise in answering questions endemic in marine fisheries.

Through cooperative partnerships between these entities, the fishing community, and other collaborators, the RIMFI enhances the State's ability to positively affect marine fisheries research and management.

RIMFI Mission

The RIMFI is developed with the intent of being inclusive, supporting additional partnerships through the research endeavors (other academic institutes, researchers from federal entities and NGOs, etc.)

The fishing community is a critical partner in deriving research topics and participating in research.

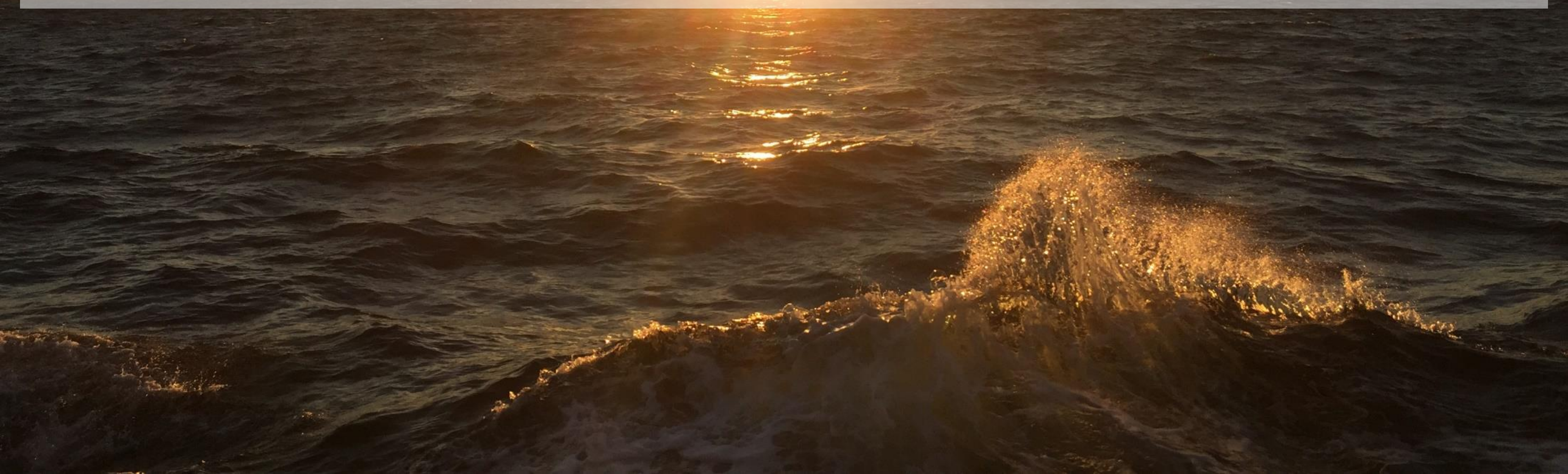
RIMFI seeks to bolster research on issues important for the whole fishing community, recreational and commercial alike.

RIMFI Mission

Projects can vary by species (finfish, crustaceans, shellfish)…

By field (oceanography, marine biology, fisheries science, marine affairs, ecosystem science)…

And type of research (traditional field sampling, statistical modeling, habitat assessment, cooperative research with industry, genetics, etc.)



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The RIMFI forum helps identify and prioritize projects and connecting RIDEM and URI investigators for collaborations as funding opportunities become available.

RIMFI Mission

Academic benefits of getting involved in RIMFI research:

- *Expand your lab's expertise and abilities*
- *Facilitates funding opportunities to support graduate students, undergraduate interns and fellows*
- *Produce new scientific presentations and publications*
- *Conduct research with tractable results that have immediate benefits for RI fisheries and the community*

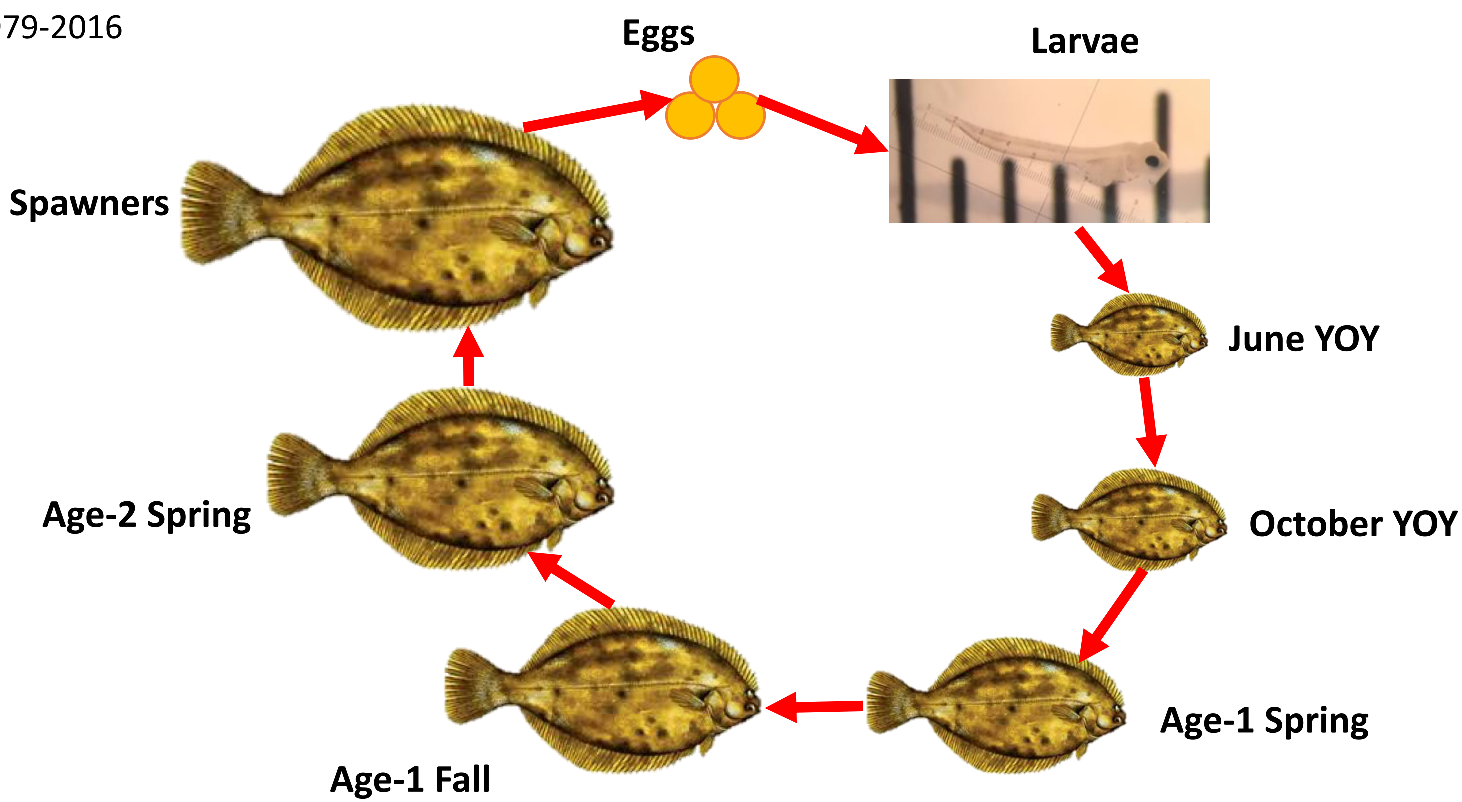
Effects of climate change on winter flounder and its impacts on fisheries in Narragansett Bay

J. Langan, J. Collie, M. Gibson, J. McNamee

Which transition best explains the pattern of population decline, and what is the decline attributed to?

Life Cycle Modeling Objective

1979-2016



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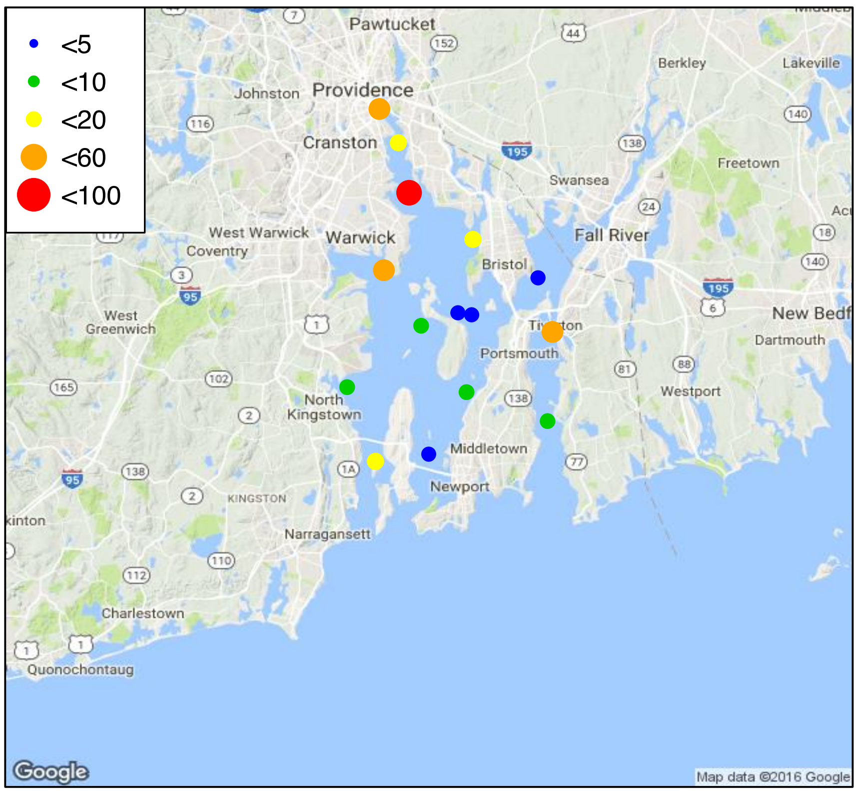
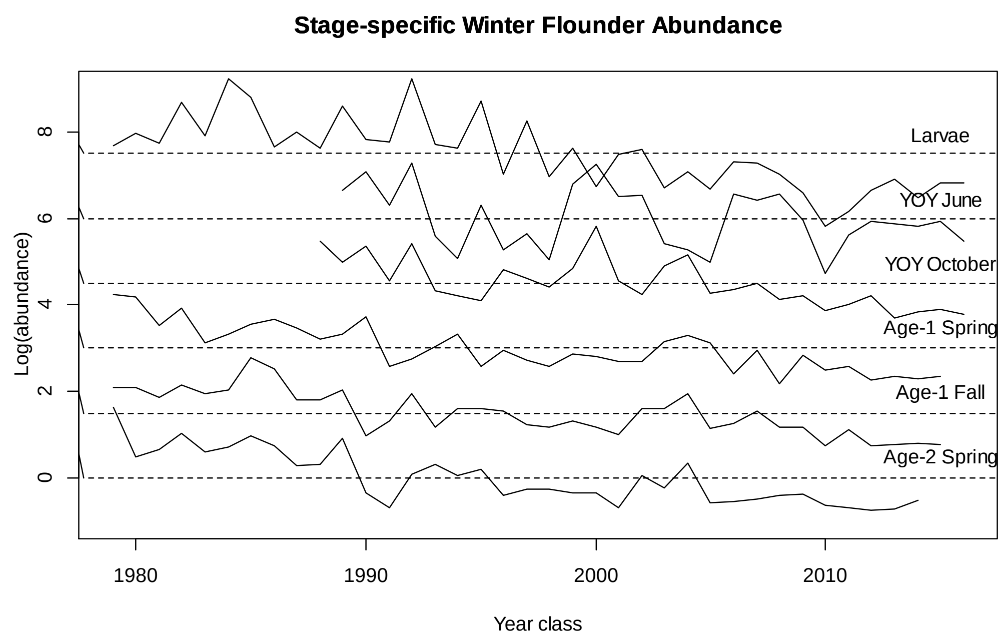


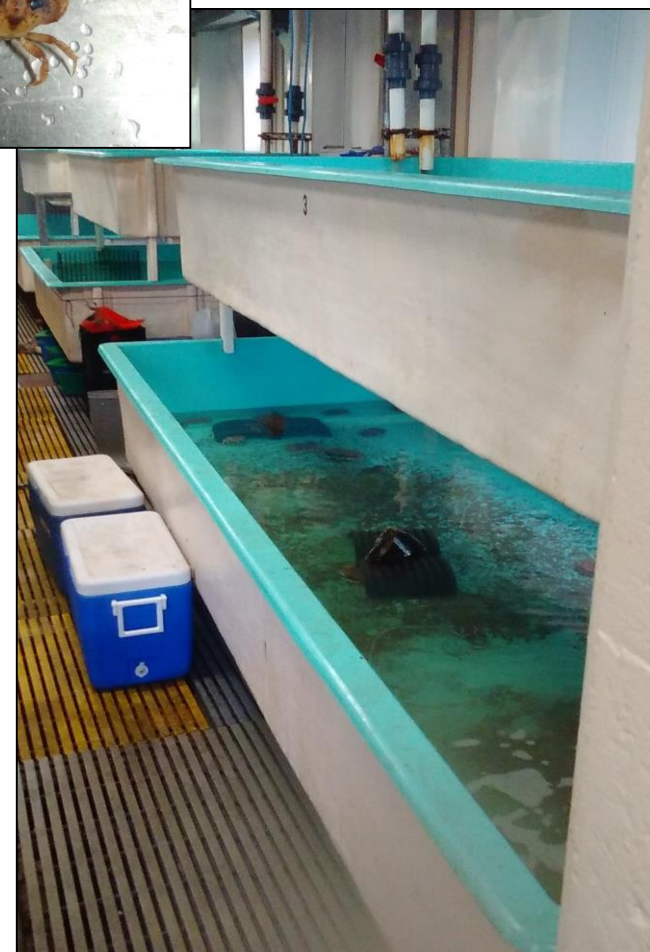


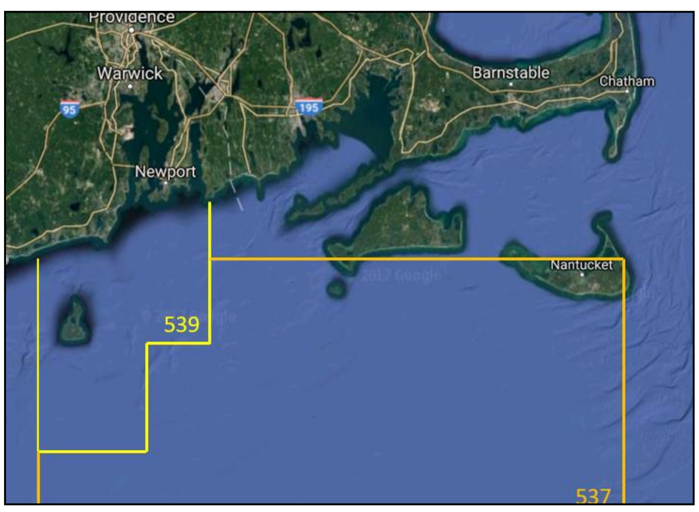
Biology and fishery characteristics of Jonah crab in Rhode Island

C. Truesdale, C. McManus, J. Collie

Objectives:

- provide detailed fishery dependent data in Rhode Island commercial fishery
- describe growth, including growth-per-molt and molting seasonality





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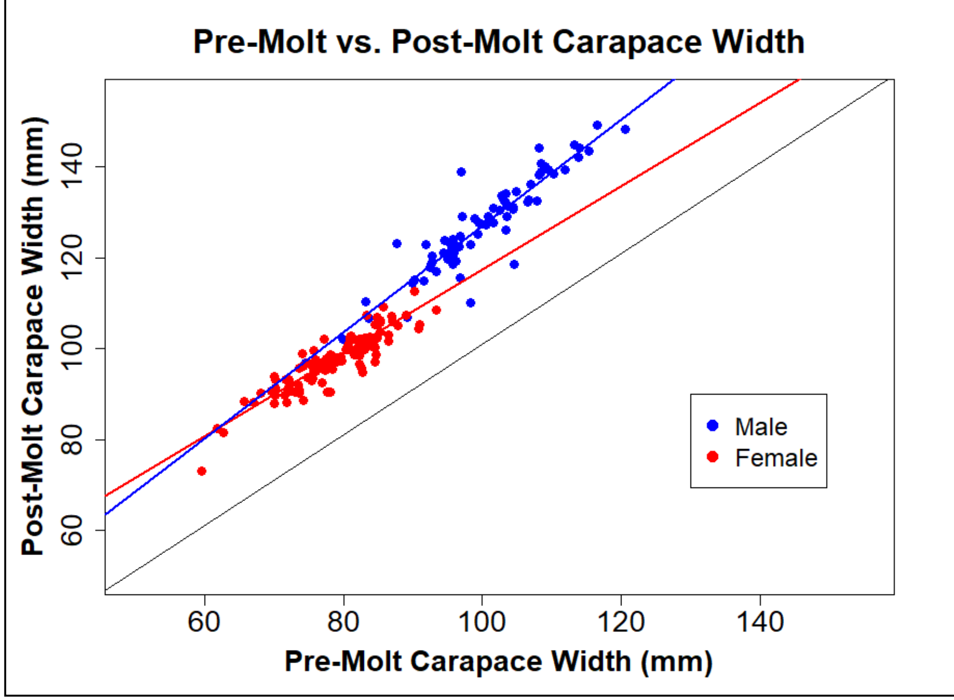
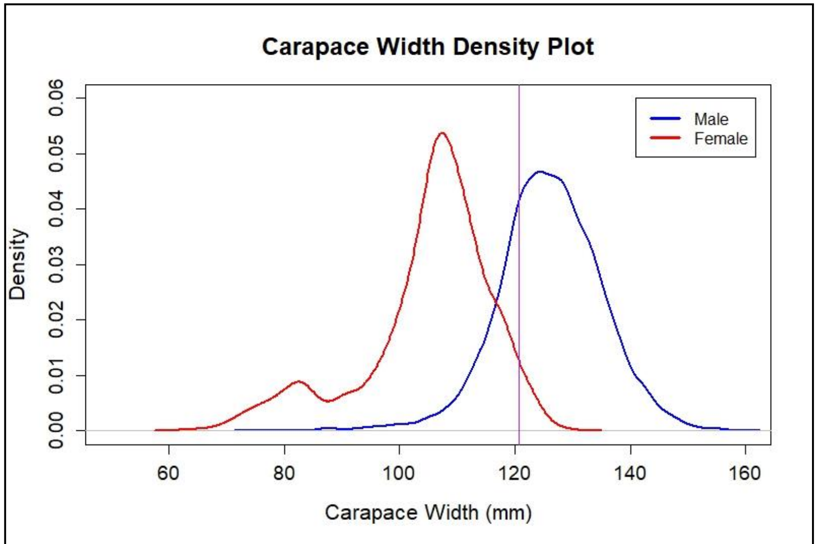
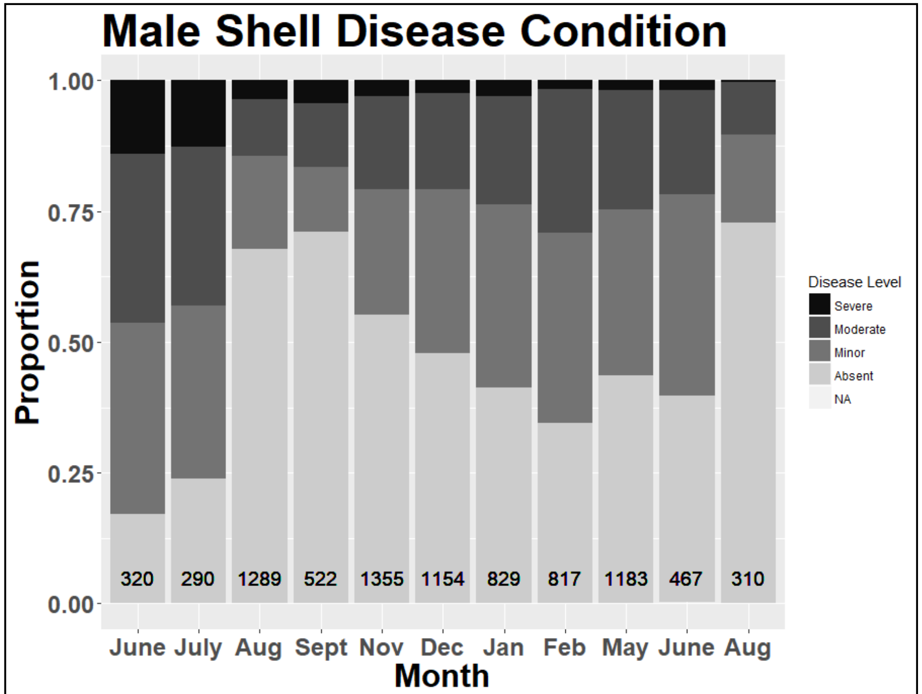






RI Sound as a potential source of HAB toxin for Narragansett Bay

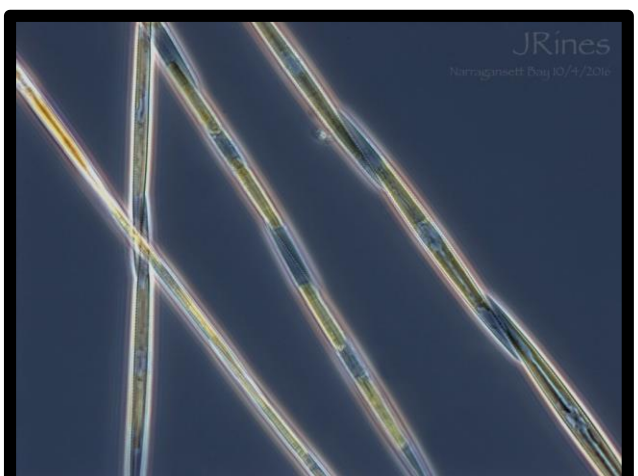
L. Maranda, D. Ullman, M. Gomez-Chiarri, and C. McManus

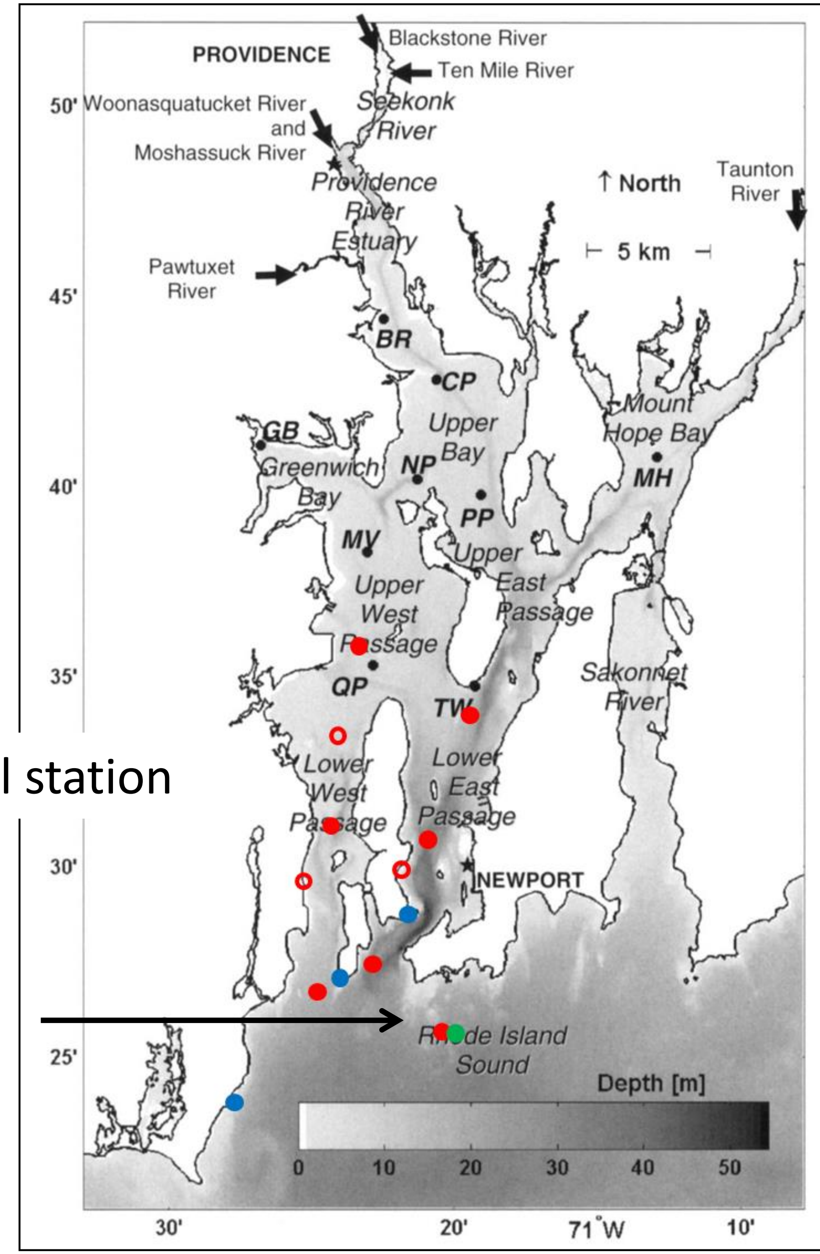
Objectives:

1. **seek the most appropriate sentinel station for shellfish monitoring in RIS**

2. **establish the occurrence, abundance, and distribution of the *Pseudo-nitzschia* spp., *Alexandrium* spp., and *Dinophysis* spp.**

3. **relate domoic acid uptake in blue mussels (*Mytilus edulis*) with *Pseudo-nitzschia* abundance and toxin content**





Sentinel station

RI Sound as a potential source of HAB toxin for Narragansett Bay

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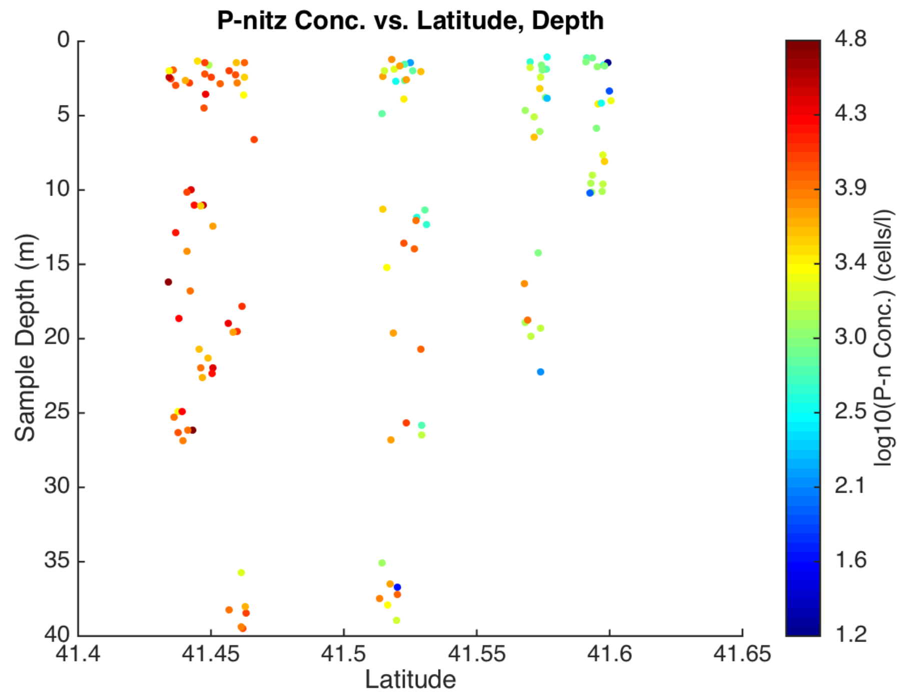

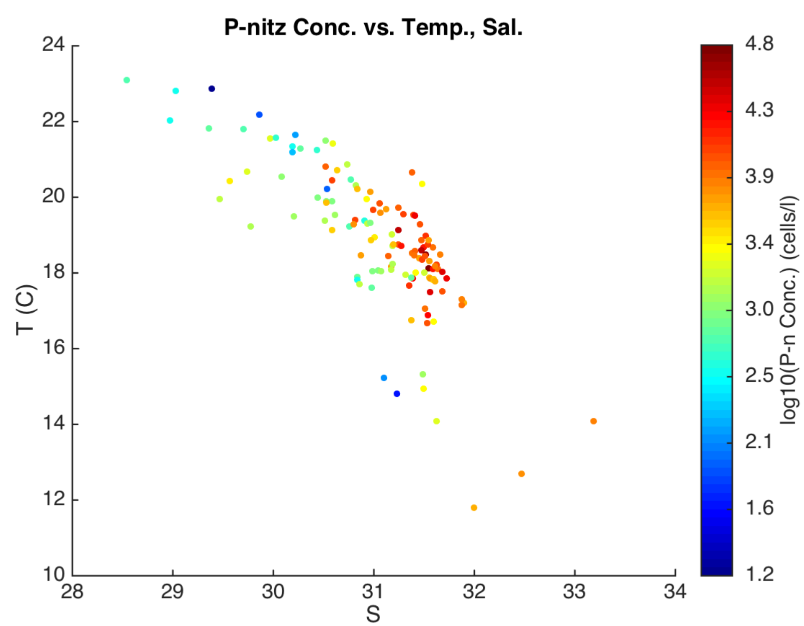

Documenting the spatial and temporal distribution of Atlantic sturgeon in RI Waters

E. Schneider, J. Miller, G. Potty

Assessing impacts of the Block Island wind farm on recreational saltwater fishing

D. Bidwell, T. Smythe, T. Dalton, J. Livermore, D. Beutel

Using fisheries-dependent video data to assess southern New England windowpane flounder

R. Bell, C. McManus, J. McNamee, J. Collie, T. McGuire, C. Brown

Development of underwater sonar for classifying pelagic fish in RI

A. Humphries, J. McNamee, M. Zimmerman, J. Collie, M. Jech