3-29-2021

Maine Scallop Research Collaborative Newsletter, March 29, 2021

Aquaculture Research Institute

Welcome to the SRC Newsletter

Welcome to the first Scallop Research Collaborative (SRC) Newsletter. At the kick off meeting on January 22, you identified e-news as your preferred method of communication. We will use this format to update you on the SRC's webinar series, upcoming field trips, collaborative research meetings as well as upcoming scallop events at other organizations around the state. We will also update the SRC web page with relevant information and news. Please feel free to submit any information you would like to share and we look forward to more events and opportunities as the year progresses.

All the best,

The SRC Team

Looking back and looking forward in the Maine Scallop Fishery

Monday, March 29, 3:00 pm

Our kickoff webinar will feature Amber Lisi from the Maine Department of Marine Resources. Amber Lisi is the lead scallop biologist for the Maine Department of Marine Resources and is responsible for the coordination, implementation, and participation in Maine's sea scallop resource surveys, analysis, and assessment program. She participates in research and management for sea scallops at the local, state and federal levels, and serves as a member of the New England Fisheries Management Council's Scallop Plan Development Team (PDT). She will be joining us for a webinar on March 29th to review results from recent and past surveys, discuss why the DMR collects the data it does, and share some additional projects she is spearheading.

Please register in advance for this meeting:

https://maine.zoom.us/meeting/register/tZcrcOiprz0qHNfL0gL99PWn3sZoT2mslQwB

After registering, you will receive a confirmation email containing information about joining the meeting.

SRC Research Database

As part of the Scallop Research Collaborative, we're creating a public database of scallop research happening throughout the state of Maine. Our goal is to create a resource that brings together research in both wild harvest and aquaculture scallops, to increase transparency and communication about research, and to create new opportunities for collaboration. We're inviting you to add your work to this database. Please submit your projects here.

The Database will be housed on the University of Maine Aquaculture Research Institute's website. If you have any questions, please contact Meggan Dwyer.

Read more about a current tagging study at https://umaine.edu/aquaculture/project/a-tagging-study-…-management-area/

Recent and Upcoming Events

The Consequences of Ocean Warming and Acidification for the Atlantic Sea Scallop Fishery

Louise Cameron, Woods Hole Oceanographic Institution

This webinar took place on March 8. A recording can be found here.

Description: The Northwest Atlantic shelf is expected to experience accelerated rates of ocean warming and

calcite shells that may be vulnerable to dissolution under future ocean acidification. Here, I will present the results from mesocosm studies and field surveys designed to investigate the effects of ocean acidification and warming on Atlantic sea scallop shell and meat properties. I will also discuss my ongoing work to develop a spatially explicit model that will predict sea scallop vulnerability to ocean acidification across their rotational management areas using historic carbonate chemistry data and industry-based cruises.

Collaborative Research in Scallop Aquaculture in Maine

Dana Morse, Maine Sea Grant

This webinar took place on February 23. A recording can be found here.

Description: The webinar is part of the outreach plan of the project, which was funded by the NOAA Saltonstall-Kennedy Program, and entitled: Optimizing production and products for scallop aquaculture. The subject of the webinar is recent and ongoing research on aquaculture production and economics, in a collaboration between several Maine scallop producers, researchers at the University of Maine's Darling Marine Center and Misericordia University, Coastal Enterprises Inc., the Maine Aquaculture Association, and Maine Sea Grant. Collaborators also include staff at the Public Health Division at the Maine Dept. of Marine Resources, Bigelow Analytical Services, Beacon Analytical Services, and the Hurricane Island Center for Science and Leadership.

The research included:

- Comparisons of several types of nursery and growout gear: lantern nets, pearl nets, ear hanging, pocket nets, rigid trays, and adhesives
- Tissue sampling and testing for the presence and quantification of biotoxins such as saxitoxin and domoic acid, responsible for Paralytic Shellfish Poisoning and Amnesic Shellfish Poisoning, respectively.
- Evaluation of fouling communities by site and by depth, through the use of settlement plates.
- Surveys of producers to understand economic inputs and outputs, such as capital, labor, and yield.
- Collection of environmental data, matched with growth data to better understand what constitutes a good scallop-farming site.

National Shellfisheries Association Annual Meeting

Monday, March 22 - Thursday, March 25

Founded in 1908, The National Shellfisheries Association is an international organization of scientists, management officials and members of industry, all concerned with the biology, ecology, production, economics and management of shellfish resources - clams, oysters, mussels, scallops, snails, shrimp, lobsters, crabs, among many other species of importance.

A detailed meeting schedule is here. There are multiple Maine scallop talks throughout the meeting and a scallop session on Thursday, March 25.

Registration is $250 for the entire conference or $75 per day.

Maine Sustainability and Water Conference

Wednesday, March 31 - Thursday, April 1

The Maine Sustainability & Water Conference provides an annual forum where professionals, researchers, consultants, citizens, students, regulators, and planners gather to exchange information and present new

Here is a list of concurrent sessions. Session topics include Migratory Fish, Environmental DNA (eDNA), Climate Change, and Contaminants.

Registration is $25. Please reach out to the conference organizers if the registration fee is preventing you from attending.

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