

Orleans Shellfish Forum

Monday, June 8, 2015

8:30 – 3:00

Craine Room, Snow Library

PLEASE REGISTER BY EMAIL TO: sia@sciencewares.com

Agenda Topics:

- 8:30 Introduction and Purpose of Workshop (Coffee and muffins provided)
- 8:45 Growing Shellfish for Water Quality Improvements: Cape Cod Case Studies
Purpose of this session is for experts to share lessons learned from other Cape Cod shellfish projects. Presenters will address the successes, challenges and quantification of nitrogen-removal and ecosystems benefits of their projects.
- a) Orleans (Peter Orcutt, Shellfish Grower)
 - b) Wellfleet (Curt Felix and Anamarija Frankic)
 - c) Mashpee (Richard York, Shellfish Constable)
 - d) Chatham (Renee Gagne, Shellfish Constable)
 - e) Falmouth (Chuck Martinsen, Deputy Director, Falmouth Marine and Environmental Services)
- 10:15 Break
- 10:30 Regulatory Perspective on Shellfish and Water Quality/Nutrient Management Planning
Purpose of this session is to enumerate the specific regulatory expectations and issues that should be addressed when implementing shellfish projects for water quality benefits.
- a) TBD, Division of Marine Fisheries
 - b) Brian Dudley, MA Department of Environmental Protection
- 11:00 Overview of Aquaculture and Coastal Habitat Restoration Components of Orleans Hybrid Plan
The purpose of this session is to describe the shellfish projects that have been proposed as part of the Conceptual Hybrid Plan. Maps, tables, water quality data and a narrative description will be provided in advance to Expert Panel, and attendees who pre-register. Specific details of the Plan that will be presented include:
- a) Types of growing methods envisioned
 - b) Initial siting and areal extent of growing footprint
 - c) Nitrogen-removal expectations
 - d) Changes in inlets (geomorphology)
- 11:30 Facilitated Discussions
The purpose of this session is to begin a focused brainstorming session on the aquaculture and coastal habitat restoration components of Orleans Conceptual Plan, at the subwatershed level. The Expert Panel will present the questions, comments and ideas that they have prepared. Additional insights will emerge through interaction amongst experts and attendees. A list of questions and ideas will be generated.

12:30 Lunch (provided to registrants)

1:00 Prioritization of Findings

The purpose of this session is to identify priority location for demonstration projects by applying detailed and specific knowledge to the locations and plans for Pleasant Bay and Nauset watersheds

- a) Key Considerations from Expert Panel
- b) List of questions specific to implementation that need to be answered
 - i. Suitable growing areas
 - ii. Key environmental factors
 - iii. Appropriate methods
 - iv. Other
- c) Demonstration project locations and design criteria
- d) Monitoring requirements
- e) Next steps

3:00 Summary and Recommendations

3:00 Forum concludes

NOTE: Not all invitees are confirmed

Expert Panel Invitation List:

Anamarija Frankic (Wellfleet)
Curt Felix (Wellfleet)
Rick York (Mashpee)
Peter Orcutt - Orleans shellfish grower
Sandy MacFarlane (Former Orleans Conservation)
Henry Lind (Eastham)
Dale Leavitt (Roger Williams professor)
Rick Karney (Martha's Vineyard growers)
Josh Reitsma (Cooperative Extension)

Other invited resources:

Nate Sears (Orleans Harbormaster)
Gardner Jamieson (Shellfish Constable)
Renee Gagne (Chatham)
Kathryn Ford (Division of Marine Fisheries)
Mike Hickey, Division of Marine Fisheries
Brian Dudley, MA DEP
APCC - Joanne Muramoto
Sophia Fox (National Seashore)
Brian Howes (SMAST)
Amy Costa (Center for Coastal Studies)
Dawson Farber
Local shellfishers:
Mike Naughton - shellfish grower
David Slack - shellfish grower
Tim Hughes - shellfish grower
Dan Howes - shellfish grower
John Milliken - shellfish grower
Chris Sherman - shellfish grower
Andrew Morgan -shellfish grower