



A Holistic Assessment of Using Shellfish Aquaculture for Water Quality Improvement Initiatives in Florida: *An online workshop to summarize grant findings, engage stakeholders and gather feedback for future efforts.*

October 24, 2023

[Link to recorded workshop](#)

Agenda

- 2:00 – 2:10** Introduction. *Angela Collins, Florida Sea Grant and UF/IFAS Tropical Aquaculture Lab*
- 2:10 – 2:30** The Legal and Policy Options for a Payments for Ecosystem Services Approach to Bivalve Aquaculture. *Thomas T. Ankersen, Director Emeritus, Florida Sea Grant Legal Program, Coastal Policy Lab, Center for Coastal Solutions, Conservation Clinic, UF Law*
- 2:30 – 2:50** Shellfish Producers and Nutrient Credit Trading Markets: Analysis of Economic Feasibility. *Kelly Grogan, Associate Professor, Food and Resource Economics, University of Florida*
- 2:50 – 3:10** Aquaculture for Water Quality Restoration in Florida: Nitrogen Removal Services. *Ashley Smyth, Assistant Professor, Soil, Water and Ecosystem Sciences, University of Florida*
- 3:10 – 3:20** Shellfish Calculator Demonstration. *Ashley Smyth and Leslie Sturmer, Molluscan Shellfish Aquaculture Specialist, UF/IFAS Nature Coast Biological Station*
- 3:20 – 3:30** Participant Poll and Concluding Remarks. *Project Team*

Relevant links:

Workshop recording: https://youtu.be/G-G57AKecag?si=-XS6Xb3qoZ_h-fOE

Background on SOAR program: <https://www.nature.org/en-us/what-we-do/our-priorities/provide-food-and-water-sustainably/food-and-water-stories/oyster-covid-relief-restoration/>

Thomas Ankersen: <https://www.law.ufl.edu/faculty/thomas-t-ankersen>

- Florida Aquaculture Plan: <https://ccmedia.fdacs.gov/content/download/89185/file/florida-aquaculture-plan-2022.pdf>
- 2023 Florida Statutes (Water Quality Trading):
 - Section 403.067
http://www.leg.state.fl.us/Statutes/index.cfm?App_mode=Display_Statute&URL=0400-0499/0403/Sections/0403.067.html
 - FAC Rule 62-306 <https://www.flrules.org/gateway/ChapterHome.asp?Chapter=62-306>

Save Our Indian River Lagoon Project Plan: <https://www.brevardfl.gov/SaveOurLagoon/ProjectPlan>

Clean Water State Revolving Fund: <https://floridadep.gov/wra/srf/documents/cwsrf-intended-use-plan>

Kelly Grogan: <https://fred.ifas.ufl.edu/about/directory/kelly-grogan/>

Ashley Smyth: <https://soils.ifas.ufl.edu/people/faculty/ashley-smyth/>

To access both the original green clams calculator and the updated shellfish farm Nitrogen calculator, visit the Online Resource Guide for FL Shellfish Aquaculture website:

<https://shellfish.ifas.ufl.edu/environmental-benefits-shellfish-aquaculture/>

Florida SHAs and Aquaculture Lease Map: <https://www.fdacs.gov/Agriculture-Industry/Aquaculture/Shellfish-Harvesting-Area-and-Aquaculture-Lease-Map>

How do oysters remove Nitrogen? <https://edis.ifas.ufl.edu/publication/SS711>