



Living Shorelines

Interagency Coordination Meeting



Living Shorelines Initiative

Broad Goal

Improve shoreline habitat and water quality while protecting property from erosion

Objectives

Evaluate the effectiveness of a variety of living shoreline technologies

Establish regulatory pathway and project standards for living shorelines in SC



Living Shorelines Initiative

Current State

- Increasing interest in living shoreline methodology
- Permitting process established for traditional hardened erosion control structures
- No existing state standards or definitions for living shorelines
- Longer permit review times for alternative approaches
- Potential for ineffective living shoreline projects due to lack of guidelines



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Desired Outcomes:

- Streamline / simplify authorization of living shoreline installations
- Establish state regulatory definition of living shorelines
- Establish broad standards and best management practices for success
- Increase use of living shorelines as an alternative to hardened erosion control structures (where appropriate)



Living Shorelines Science Collaborative

Project Team:

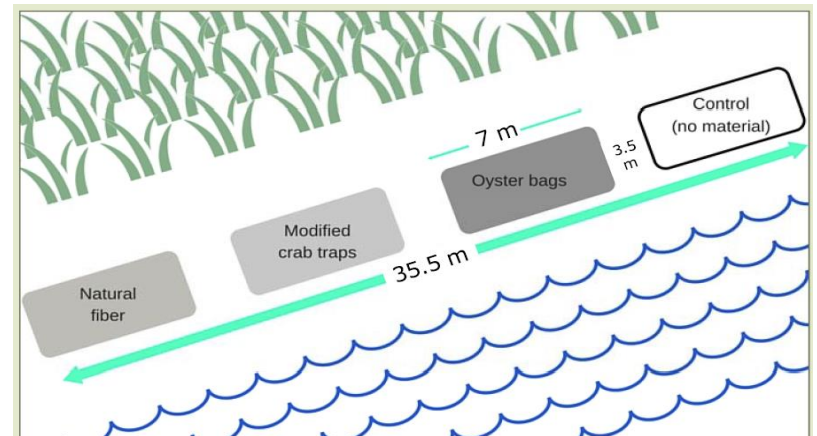
SCDNR, SCDHEC-OCRM, ACE Basin NERR and North Inlet-Winyah Bay NERR

Project Design:

Study designed for the side-by-side comparison of various natural materials across different estuarine environmental conditions

Pre-existing and new installations

Extensive monitoring to determine performance of each technique at varying sites



Project Outcomes:

- Identify materials suitable for particular estuarine site conditions for living shorelines success.
- Develop guidance on suitable living shoreline approaches for variety of estuarine site characteristics.

Living Shoreline Treatment Types

- Bagged oyster shell
- Bagged oyster shell on wooden pallets
- Manufactured Wire Reefs
- Coir logs (single row)
- Coir logs (double row)
- Coir logs with shell bolster
- Curlex® Blocs
- Oyster Castles

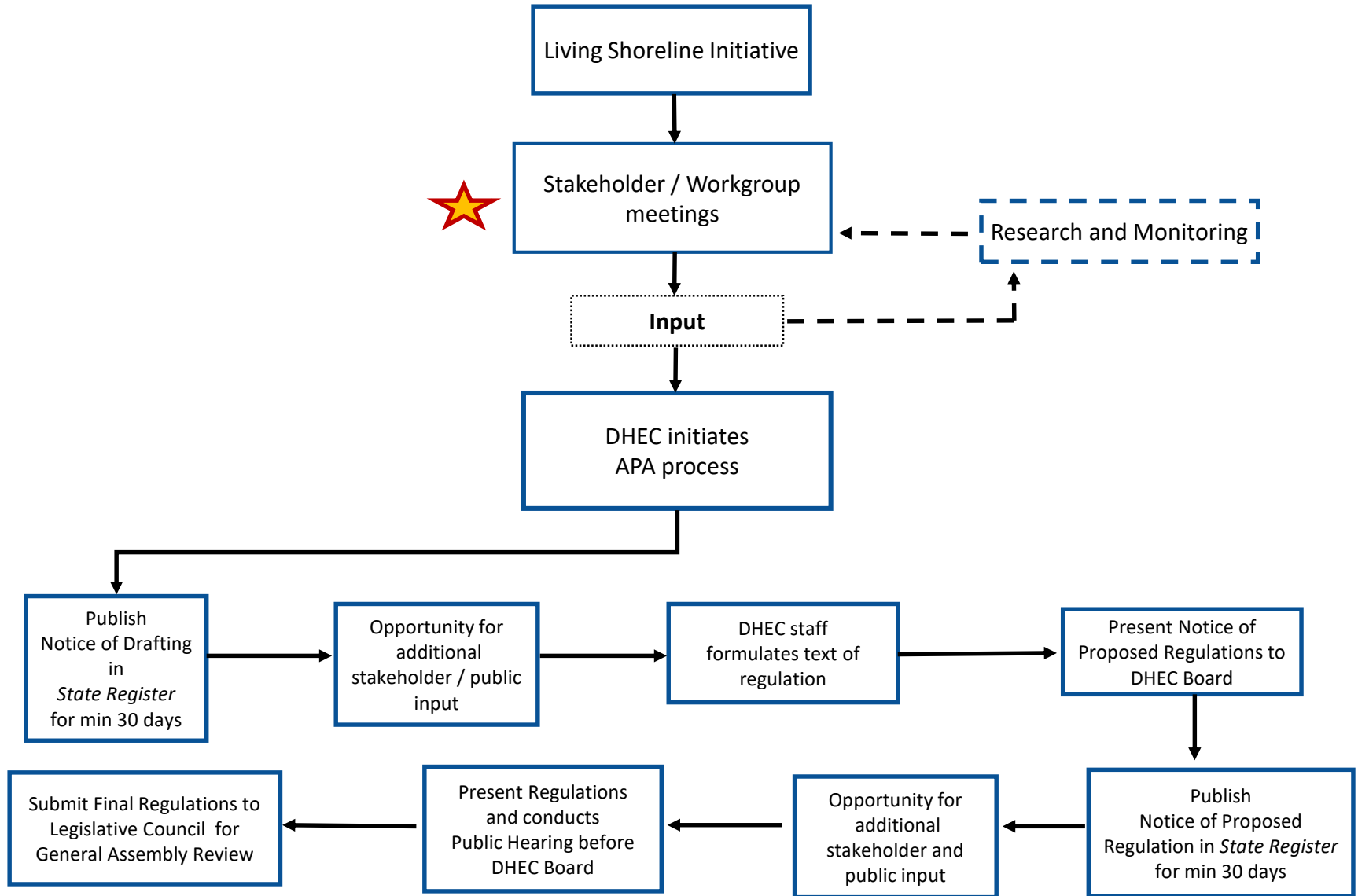




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Efforts to date:

- Initiative part of DHEC-OCRM 5 year funding strategy (2016-2021)
- Partnered with SCDNR on Science Collaborative
 - Research and Monitoring
 - Guidance Document
- Living Shoreline Workgroup
 - Coordination with State, Federal, Local agencies
 - Info exchange between stakeholders
- Promulgation of State Regulations
 - Stakeholder input initiated 2017 (ongoing)
 - Next Step: Notice of Drafting (Feb/March)





Interagency Coordination Meeting

Requesting input on aspects of living shoreline process to:

- Ensure appropriate sections of regulation are revised
- Ensure successful implementation

Questions:

1. How, and at what stage, would your agency be involved in the process?
2. What potential issues or concerns does your agency have in the overall process?

Agenda

- Small group and facilitated discussions
 - Use conflicts
 - Materials and resources
- Process timeline
 - Roles of your agency or organization in the process
- Next steps