5th Annual Cape Coastal Conference

Living Shorelines in New England: State of the Practice

Steve Kirk

The Nature Conservancy
Protecting nature. Preserving life.

Elise Leduc
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NOAA Regional Resilience Grant Program

High Resolution Coastal Inundation Modeling and Advancement of Green Infrastructure and Living Shoreline Approaches in the Northeast

Awarded to NERACOOS and NROC + Many Partners
Literature: Review pertinent resources

Primary Source Research:
- Federal and state regulators
- Coastal engineers/practitioners
- Conservation orgs
- Academia

Number of experts who provided input:
- Survey/interviews: 14
- Meetings/workshops: 23
- Total: 37

Product = State of the Practice REPORT
Report:
1. Findings
2. Profile pages
3. Applicability index
Living Shorelines in New England: State of the Practice
Living shorelines – important tool
  – Erosion Control
  – Co-benefits

Co-benefits – valuable
  – ecosystem services, habitat, water quality/quantity, carbon sequestration, maintenance of natural coastal processes, sediment transport, visual

Siting – critically important
  – Success possible when design type aligns with conditions
State of the Practice Report: Key Findings: Challenges

**GENERAL**

- Terminology - definitions
- Funding
- Permitting
- Perceptions: ‘green is less resilient than gray’

**New England Specific**

- Ice
- Short growing season for plantings
- Tide range
- Lack of existing projects
- Data gap on effectiveness and impacts
Acknowledgements
Living Shorelines: Going Forward
Living Shorelines in New England: State of the Practice


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