

5TH ANNUAL CAPE COASTAL CONFERENCE

Living Shorelines in New England: State of the Practice

Steve Kirk



Protecting nature. Preserving life.

Elise Leduc
Ted Wickwire



Living Shorelines in New England State of the Practice









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

Living Shorelines in New England State of the Practice

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

Living Shorelines in New England: State of the Practice

Report:

1. Findings
2. Profile pages
3. Applicability index



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Prepared For:
The Nature Conservancy



Prepared By:
Woods Hole Group, Inc.



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Source: Knight Foundation

State of the Practice Report: Key Findings

- 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

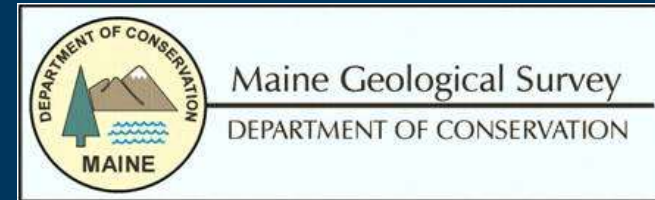
GENERAL

- 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



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<http://www.conservationgateway.org/ConservationPractices/Marine/Pages/new-england-living-shorelines.aspx>

Steve Kirk, Coastal Program Manager
The Nature Conservancy
stephen.kirk@tnc.org