

Living Shoreline Stabilization

Marshes to Buffer Zones



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Home Place Team



Introduction

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Step 1: Site Assessment

- Exposure
- Stability
- Sources
- Habitat

Step 2: Planning & Design:

- Client Goals
- Site-specific design
- Project Timeline
- Budget



Step 3: Permitting

- Town
- PBR State
- NRPA individual
 - USACE

Step 4: Construction & Planting

- Materials
- Equipment
- Plant choice & installation

Step 5: Maintenance

- Establish ongoing plan



Site One

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Salt Pond, Blue Hill
Low wave energy site

Existing conditions w/log
based marsh sill

September 2024



Log based sill

Two levels of marsh
installation

Newly planted

Coir lift structure

Bluff stabilization

Planted buffer zone

April, 2025



3 months after installation

Spartina alterniflora

Solidago sempervirens

Distichlis spicata

Spartina patens

Juncus gerardii

Schoenoplectus pungens

Schizachyrium scoparium

July, 2025

Site Two

Salt Pond, Blue Hill

Low wave energy site

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October, 2023



October 2025



Site Three

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Blue Hill Falls

Medium wave energy site

Marsh sill

Existing & augmented marsh

Log toe protection

Coir lift

Ballast boulders

Planted bluff & buffer zone

Site Four

Bayside, Northport
High wave energy

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Cottage within 30' of HAT

Riprap Installation
(two feet above FEMA)

Living shoreline above

Planted buffer zone

Site Four

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May, 2025



August, 2025

Biodegradable & Natural Materials

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1. Coir Rolls & Lifts

- Coconut coir fabric
- Erosion control matrix

2. Hardwood Logs

- Wooden stakes
- Rebar
- Toggle anchors

3. Ballast Boulders

- Cobbles



Fringe Marsh Stabilization

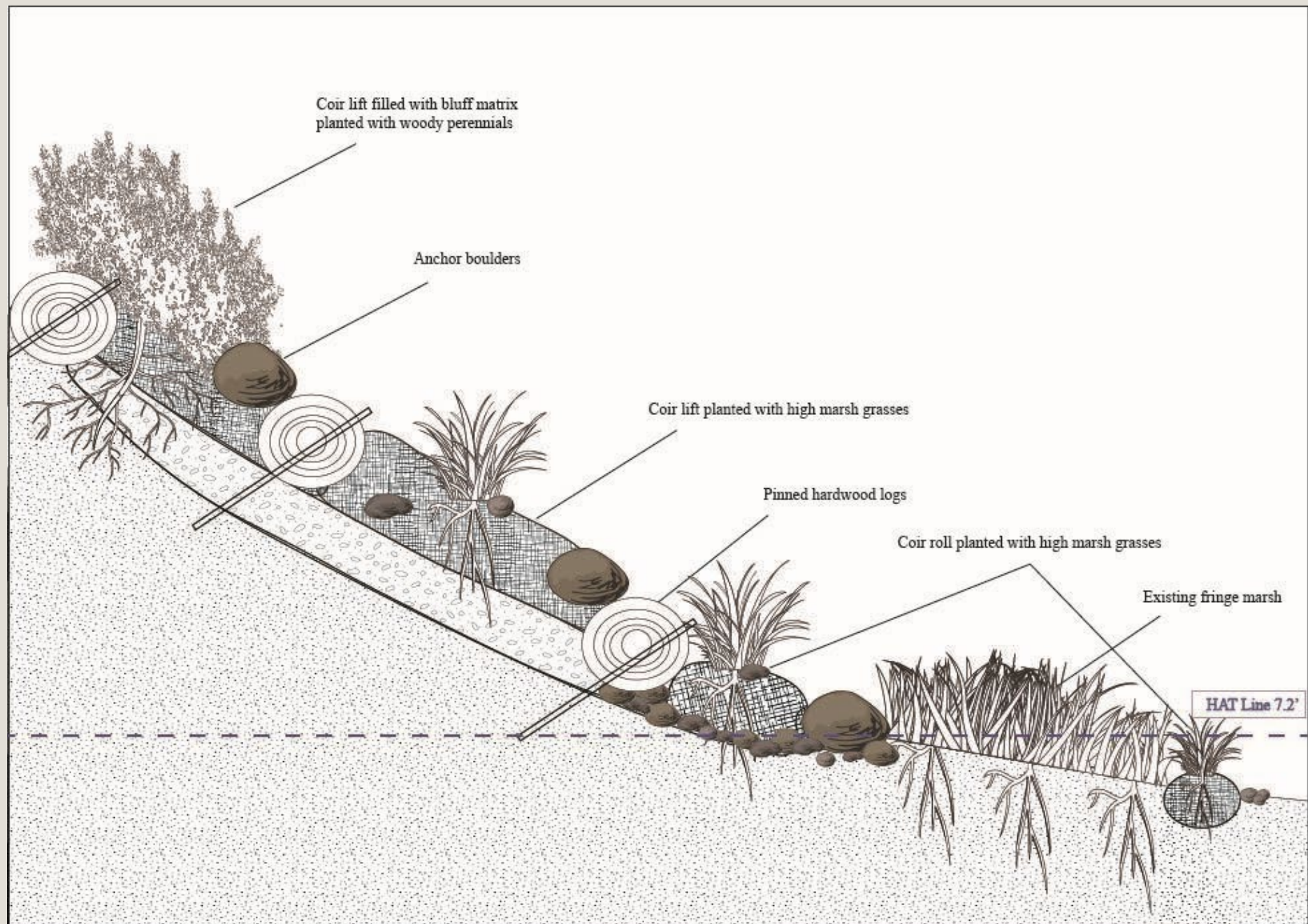
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March, 2024



October, 2025



Plants

14

1 MARSH

LOW MARSH: *Spartina alterniflora*

HIGH MARSH: *Distichlis spicata*, *Juncus gerardii*, *Spartina patens*



2 PERENNIALS

Solidago sempervirens,
Rudbeckia hirta,
Symphyotrichum novae-angliae



3 WOODY SHRUBS

Cephalanthus occidentalis,
Rosa carolina, *Myrica pensylvanica*, *Spirea alba*,





Thank You

The Home Place Team

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