

A SOLUTION FOR SHORELINE MANAGEMENT: LIVING SHORELINES

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Living shoreline at Camp Albemarle in 2017



Living shoreline at Camp Albemarle after Hurricane Florence



Bulkhead at Camp Albemarle after Hurricane Florence

What is a living shoreline?

Shoreline change and erosion are continuous processes, driven by currents, waves, winds, storms, sea levels and human influences. Bulkheads are “hardened” structures commonly installed along sound-side shorelines to try to reduce erosion. Unfortunately, they destroy natural marsh and cause increased erosion of nearby properties. Living shorelines are an alternative solution for shoreline management that maintain the natural marsh. These systems often use marsh plants and sometimes oyster or rock to create a more natural and productive shore.

Did you know?

- North Carolina has over 12,000 miles of shoreline bordering the bays, creeks and sounds that make up our estuaries.
- Estuaries are where fresh water and salty ocean water meet. They are home to many important fish and shellfish that need protection.
- Each year an estimated 26 miles of estuarine shoreline are “hardened.”
- Bulkheads are a temporary fix and often need costly repair.
- Living shorelines are longer-term, less-expensive and reduce erosion while maintaining or restoring the shoreline’s natural system.
- Living shorelines are more storm-resilient. After Hurricane Florence, none of the North Carolina Coastal Federation’s living shoreline projects had major damage.

Benefits

- Reduced erosion
- Maintained natural marsh
- Protected coastal habitat
- Filtered and improved water quality
- Buffered shore for changing water levels

Check out our list of contractors and engineers who have been trained to install living shorelines in your region.

NORTHEAST COAST CONTRACTORS

Outer Banks Excavating
(252) 202-8733
mperry@perrymarine.com

Total Marine Services Inc.
Winkie Silver
(252) 473-5130

Backwater Environmental
(252) 473-5130
backwater.biz

NORTHEAST COAST ENGINEERS

Bissell Professionals
(252) 261-3266
bissellprofessionalgroup.com

Quible & Associates
(252) 291-8147
quible.com

Albemarle & Associates, Ltd.
(252) 441-2113
albemarleassociates.com

CENTRAL COAST CONTRACTORS

Restoration Systems, LLC
(252) 333-9852
RSshorelines.com

Sandbar Oyster Company
(252) 732-4516
sandbaroystercompany.com

Bobby Cahoon
Marine Construction
(252) 249-1617
bobbycahoonconstruction.com

Mud Bucket Dredging
(252) 241-1504
mudbucketdredgingnc.com

**Brooks Dredging and
Marine Construction, Inc.**
(252) 728-6886
brooksdredging.com

**TD Eure Marine
Construction, LLC**
252-728-4191
tdeuremarine.com

SOUTHEAST COAST CONTRACTORS

Connaway
Marine Construction
(910) 264-9599
frontyardshrimp@gmail.com

Maritech, LLC
(910) 270-4058
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GET IN TOUCH WITH THE COASTAL FEDERATION FOR MORE INFORMATION

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