



North Carolina
Coastal Federation
Working Together for a Healthy Coast





North Carolina Coastal Federation

Working Together for a Healthy Coast

Programs



Salt Marsh



Oysters

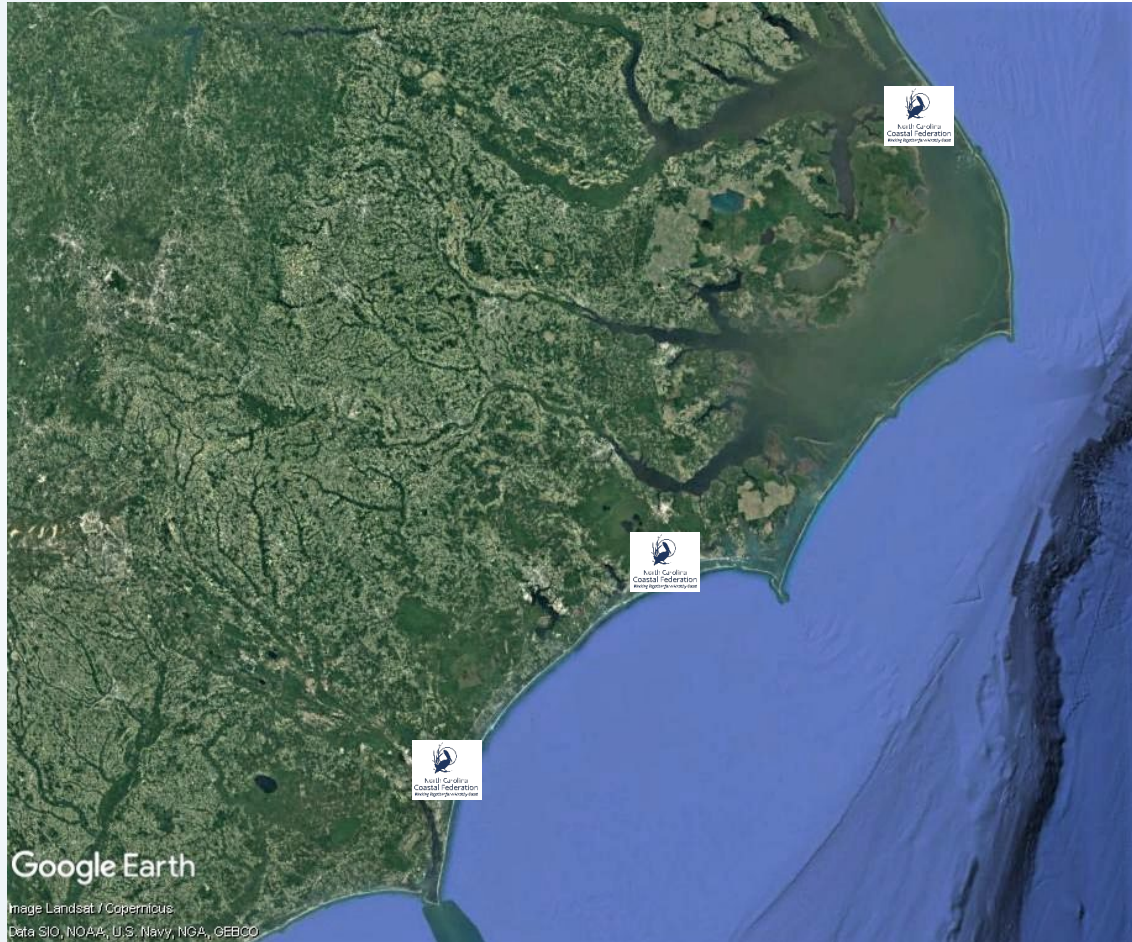


Water Quality



Marine Debris

About Us



501(c)3 Non-Profit

Member Supported

3 Regional Locations
across the coast

Non-partisan



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What We Work For – *Our Goals*

Enhance Coastal **Water Quality** and Reduce Flooding

Protect and Restore **Salt Marshes** to Foster Thriving Human and Natural Coastal Communities

Ensure an Abundance of **Oysters** that Support the Environment and Economy

Ensure the Coast is Free of **Marine Debris**

How?

Ensuring an **educated** and engaged community

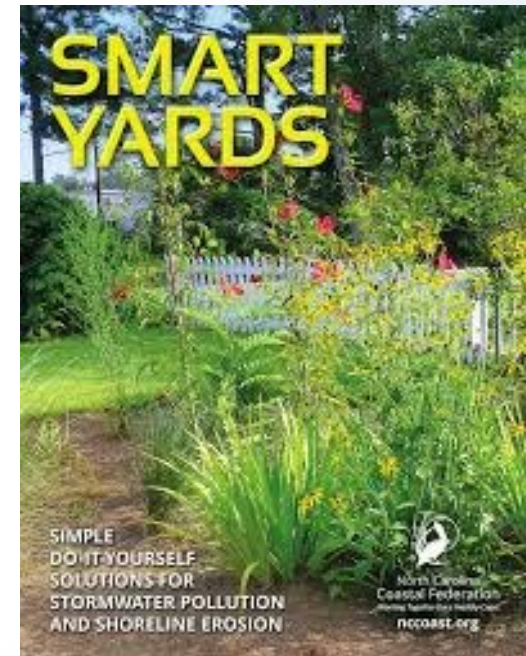
Effective **coastal management** that protects our coast



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What We Work For – *Our Goals*

- ✓ Enhance Coastal **Water Quality** and Reduce Flooding

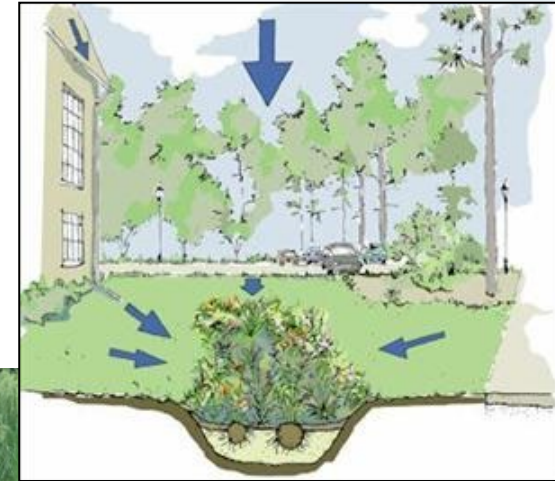


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Simple Do-It-Yourself Solutions to Reduce Stormwater Pollution

Smart Yards:

- Rain Gardens
- Reroute Downspouts
- Rain Barrels
- Native Landscaping and Tree Planting
- Permeable Paving
- Backyard Wetlands
- Living Shorelines



Simple Do-It-Yourself Solutions to Reduce Stormwater Pollution

Rain Gardens:

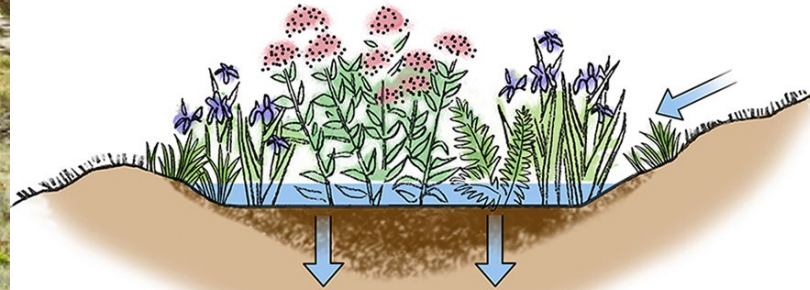
- Shallow, vegetated areas that capture rain during storms.
- Works like a bowl to collect rain from roofs, driveways and parking lots.
- Native plants and soil soak up the rain before it has a chance to become polluted stormwater runoff.

Did You Know?: Rain gardens can reduce stormwater runoff by 90% or more!





Rain Gardens

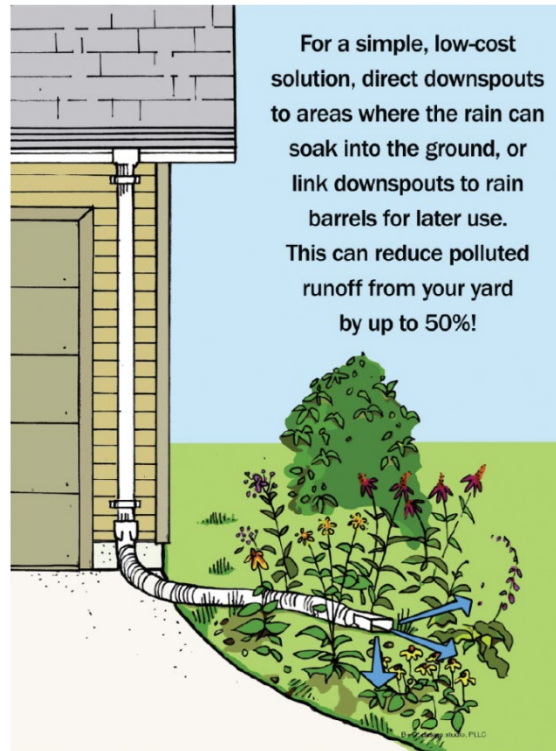


ncccoast.org/smartyards

Re-route Downspouts:

Simple Do-It-Yourself Solutions to Reduce Stormwater Pollution

- Gutter downspouts pointing to driveways, sidewalks or parking lots direct rain from rooftops to the street, where it ends up as polluted runoff in storm drains and coastal waters.
- Instead direct downspouts to rain gardens, where the native plants and soil soak up and filter the rain.



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Simple Do-It-Yourself Solutions to Reduce Stormwater Pollution

Rain barrels:

- Rain barrels collect and store rainwater from building roofs.
- They help reduce stormwater runoff and provide a free source of water for watering plants and gardens.

Did You Know?:

Just $\frac{1}{4}$ inch of rain produces enough runoff to fill a 50 gallon rain barrel?



[Home](#)[About Us -](#)[Programs -](#)[Surveys and Aerial
Photos](#)[Resources -](#)[Pages Creek](#)

NHCGov.com > Soil & Water Conservation District

RAIN BARREL SALES

Due to construction, the monthly rain barrel sale has been moved to the New Hanover County Government Center's South Entrance. Click here for a map and directions with Google Maps: <https://goo.gl/maps/72ous3giDdgiHhph7>.

Are you looking for rain barrels in Wilmington? The Ivy Barrel is available at 40% below retail price!

The Classic Black 50 Gallon Ivy Rain Barrels are **available for purchase and pick up on the 2nd Thursday of each month between 9:00 a.m. and 4:30 p.m.** The sale is located at the South Entrance of the New Hanover County Government Center. **The cost per barrel is \$85.** Cash, check, and credit cards are accepted. The barrels are available on a first come, first serve basis.

Unable to attend the sale in person? Call (910) 798-7130 or email soilwater@nhcgov.com to schedule an appointment for purchase and pick up on a date the works for you!

Ivy provides a new era of design innovation at an economical price. All parts are included for simple installation.

- Made in the USA using 100% recycled materials!
- 50-gallon capacity – perfect for homeowners
- Locking child-proof lid, stable when full, mosquito resistant
- Two overflow ports and screened inlet (best in class!)
- 3/4" ball valve connects to garden hose



Programs

[Education and Outreach](#)[Land Conservation](#)[Stormwater Solutions](#)[Rain Barrel Sales](#)

<https://soilwater.nhcgov.com/programs/rain-barrels/>

Simple Do-It-Yourself Solutions to Reduce Stormwater Pollution

Native Landscaping:

- Native landscaping includes the use of hardy native plants that occur naturally in the soils and climate of the southeast coastal region.
- Native plants soak up stormwater and provide habitat for local butterflies, bees and other insects.
- Native plants generally do not require fertilizers, pesticides and irrigation.



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NC Coastal Landscape Designs templates including screens and borders

SCREENING WITH VINES

FOR SUNNY, DRY AREAS

SUN: ☀️ 🌿
WATER: 💧
SEASONAL COLOR: MAR-OCT



Crossvine



Orange coneflower



Butterfly weed



Spotted horsemint



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Simple Do-It-Yourself Solutions to Reduce Stormwater Pollution

Pervious concrete:

- Pervious concrete allows stormwater to filter into the underlying soil vs. flowing off the site as polluted runoff.
- Unlike traditional concrete, pervious concrete lacks sand in its mixture which allows the rain to fill the tiny holes and seep into the ground.

Did you know?: Permeable concrete is now being used at many commercial, residential and institutional projects across the state.





Simple Do-It-Yourself Solutions to Reduce Stormwater Pollution

Backyard Wetlands:

- Backyard wetlands are depressed wet areas that are enhanced with native wetland plants.
- They are well suited for yard areas that are usually wet for several days following rain.
- Backyard wetlands are generally in locations with high-water tables and soggy soils.



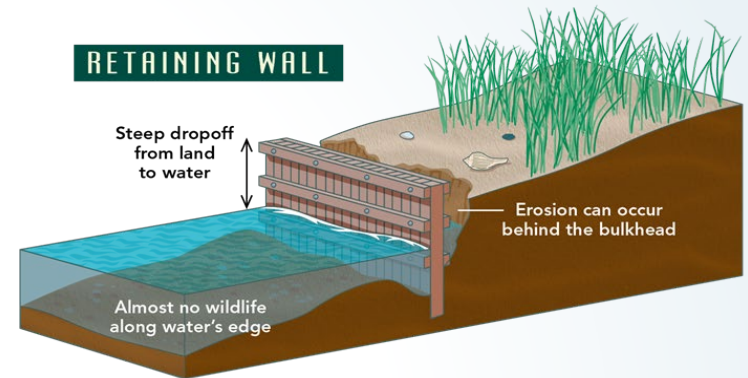


What We Work For – *Our Goals*

- ✓ Protect and Restore **Salt Marshes** to Foster Thriving Human and Natural Coastal Communities



Living Shorelines Help Protect and Restore Salt Marshes



'Hard' infrastructure like retaining walls abruptly severs the ecological connection between the coast and water.



Not only do Living Shorelines defend land against destructive waves, but they also provide crucial habitat for fish and wildlife.



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The Federation's Living Shoreline Cost-Share Program for Public and Private Property Owners



Living Shoreline in front of a private property along Bogue Sound.



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Coastal Federation
35 years
working together for a healthy coast

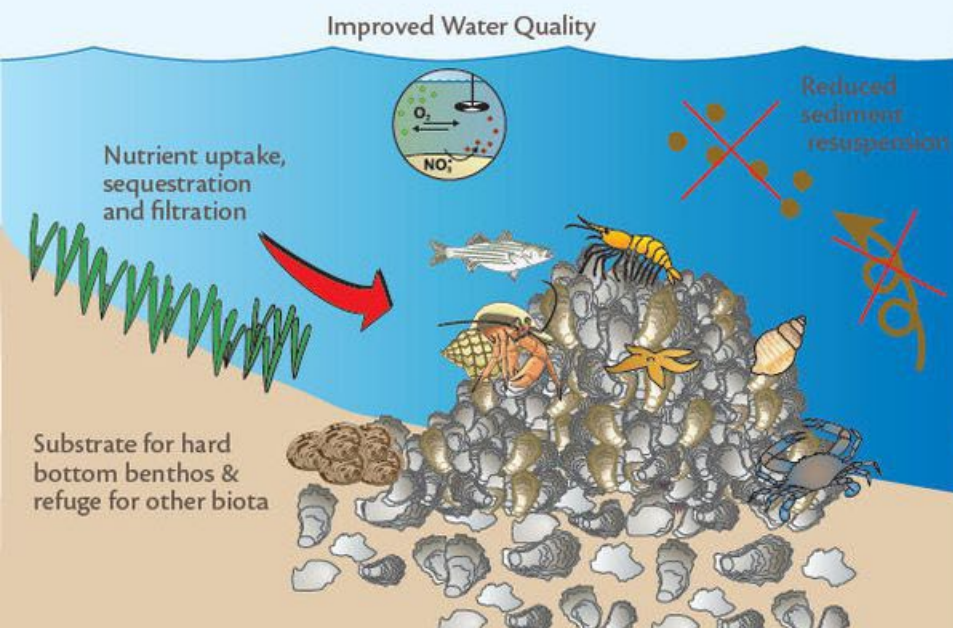
What We Work For – *Our Goals*

- ✓ Ensure an Abundance of **Oysters** that Support the Environment and Economy

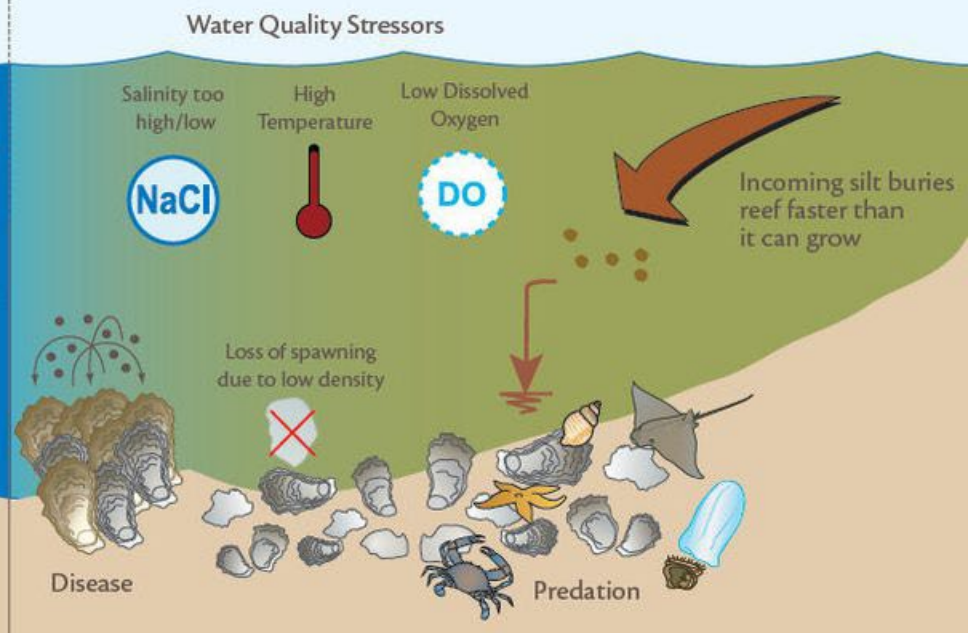




Ecosystem benefits provided by Oysters



Ecosystem stressors to Oysters





RECYCLING FOR REEFS

A North Carolina Coastal Federation
Oyster Shell Recycling Program

Shells only. No trash. Do not remove shells.

Why Recycle Shells?

- *Recycled oyster shells are a valuable resource.*
- *Shells are returned to the sounds to build reefs.*
- *Baby oysters attach to the reefs and grow more oysters!*



New Oyster Reefs:

- *Provide habitat for fish, crabs, and shrimp.*
- *Help reduce soundside erosion.*
- *Filter water to clean our estuaries.*



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Visit the **North Carolina Coastal Federation** at
nccoast.org/shellrecycling and join our efforts.
Scan code or call 252.393.8185 for more information.

NC OYSTER TRAIL

"Experience the Napa Valley of oysters."

— Rowan Jacobsen, author of
A Geography of Oysters



LOCAL SEAFOOD



FINE DINING



OUTDOOR ADVENTURE



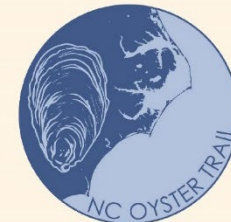
FESTIVALS & EVENTS



Photos: Justin Kase Conder

SHELLFISH FARM TOURS

The NC Oyster Trail
offers unique tourism
experiences centered
on North Carolina's
tasty oysters.



Plan your adventure at NCoystertrail.org



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What We Work For – *Our Goals*

- ✓ Ensure the Coast is Free of **Marine Debris**



Resilient Docks and Piers



Unencapsulated Polystyrene





ORDINANCE NO. 2022-002

AN ORDINANCE OF THE TOWN BOARD OF COMMISSIONERS OF THE TOWN OF TOPSAIL BEACH, NORTH CAROLINA, AMENDING THE TOWN CODE OF ORDINANCES, CHAPTER 6, BUILDINGS AND BUILDING REGULATIONS, ARTICLE III PIERS AND DOCKS, DEFINITIONS AND SECTIONS 98 AND 100, TO PROHIBIT UNENCAPSULATED POLYSTYRENE DOCKS.

WHEREAS, during a coastal debris cleanup sponsored by the Coastal Federation, large quantities of Polystyrene were found in all areas of our waters and marshlands along our coast. Polystyrene is a petroleum product, commonly known as Styrofoam. It is often used in dock floats because of its buoyancy; and

WHEREAS, polystyrene is neither readily recyclable nor biodegradable and takes hundreds of years to degrade in the environment. When exposed to the elements, it fragments into unsightly, small, nonbiodegradable pieces that may be ingested by marine life, wild and domestic water birds and other wildlife blocking the digestive system and killing them through starvation; and

WHEREAS, the deterioration of larger polystyrene floats into beads and smaller pieces create a pollution line along shorelines, intertidal land and other places where buoyant debris collects. Such pollution must be picked up and removed at the expense of the public and private citizens.

WHEREAS, to prevent such degradation, pollution and hazard to water dependent mammals and birds, polystyrene floats should be encapsulated in a hard polyethylene shell, which prevents the deterioration and spread of beads and smaller sections of polystyrene floats.

NOW, THEREFORE, BE IT ORDAINED by the Topsail Beach Town Board of Commissioners that Chapter 6 of the Land Development Code, Article III – Piers and Docks, Definitions and Section 98 and 100 is hereby amended subsequent to read as follows:

1. Section 16-33. Definitions. *(by adding the following definitions to be inserted according to alphabetical order)*

Polystyrene is a thermoplastic polymer or copolymer comprised of at least 80 percent styrene or para-methyl styrene by weight. (Commonly known as Styrofoam)

Unencapsulated polystyrene means polystyrene that is not completely encased within a polyethylene shell or within other comparable materials that protects against cracking, peeling, sloughing, and deterioration from ultraviolet exposure and physical trauma.

Hold the foam? Topsail Island looking at ordinance to prohibit foam docks



Chase Jordan

Wilmington StarNews

Published 6:00 a.m. ET March 18, 2022 | Updated 11:09 a.m. ET March 21, 2022

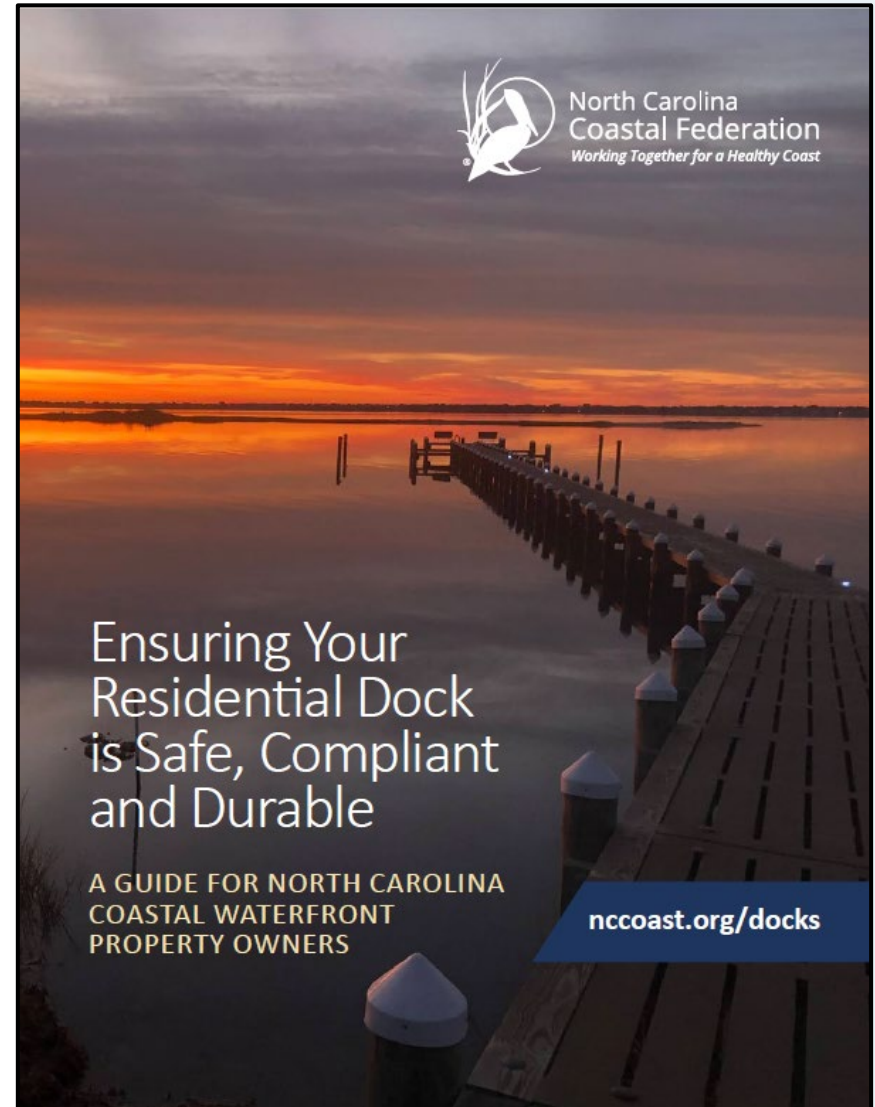
[View Comments](#)



North Carolina is the first state
in the **COUNTRY** to ban
unencapsulated polystyrene in
floating docks!

A Coastwide Effort

- Technical recommendations
- Helping property owners choose a contractor
- Pre-hurricane preparedness
- Coastwide public education campaign
 - Local gov't toolkit
 - Cost benefit analysis
 - Guidebook
 - Video testimonials
 - Social media posts



How SmartYards Enhance Property Values

- Boosts Curb Appeal
- Lowers Utility Bills for Homeowners
- Reduced Risk of Flooding and Erosion
- Increased Wildlife and Diversity
- Environmentally-friendly features attracts buyers
- Long-Term Value and Resale Potential



Want to Get Involved?

- Stay informed and educated
 - Check out nccoast.org
 - Subscribe to our newsletter
 - Subscribe to Coastal Review Online
- Sign up to be a volunteer
- Check out nccoast.org/events
- **Become a member**



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Upcoming Volunteer Opportunity

Wetland Planting at
Carolina Beach State Park
Wednesday, May 7
NCcoast.org/events



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Questions, Comments or Concerns?



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252-473-1607

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Newport, NC 28570
252-393-8185

Southeast Regional Office
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Wrightsville Beach, NC 28480
910-509-2838

www.nccoast.org