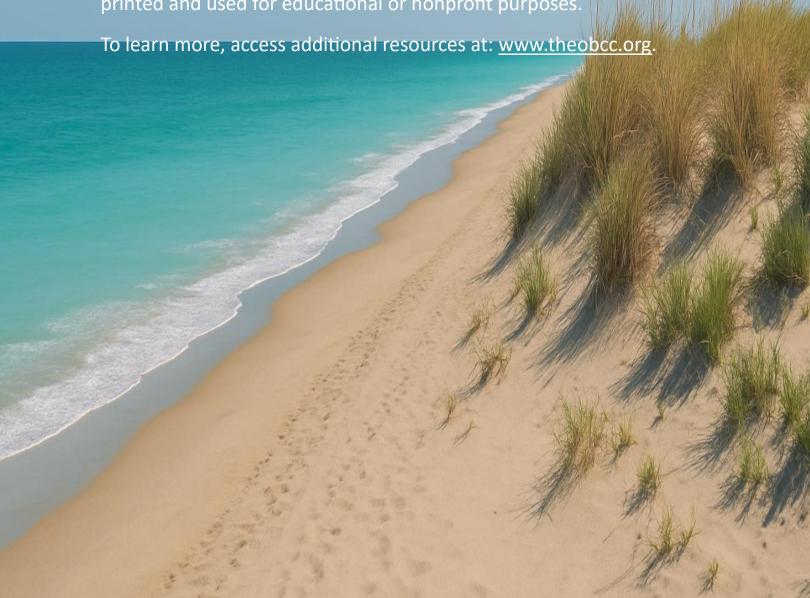


Forward

This pamphlet was created by the Outer Banks Coastal Conservation (OBCC), a nonprofit organization whose mission is to foster environmental stewardship and a deeper connection to the Outer Banks of North Carolina through outreach, education, and conservation efforts.

We believe that small stories can spark big change. That is why we have made this book available as a free resource for parents, teachers, and community members.

All materials in this pamphlet may be freely downloaded, shared printed and used for educational or nonprofit purposes.





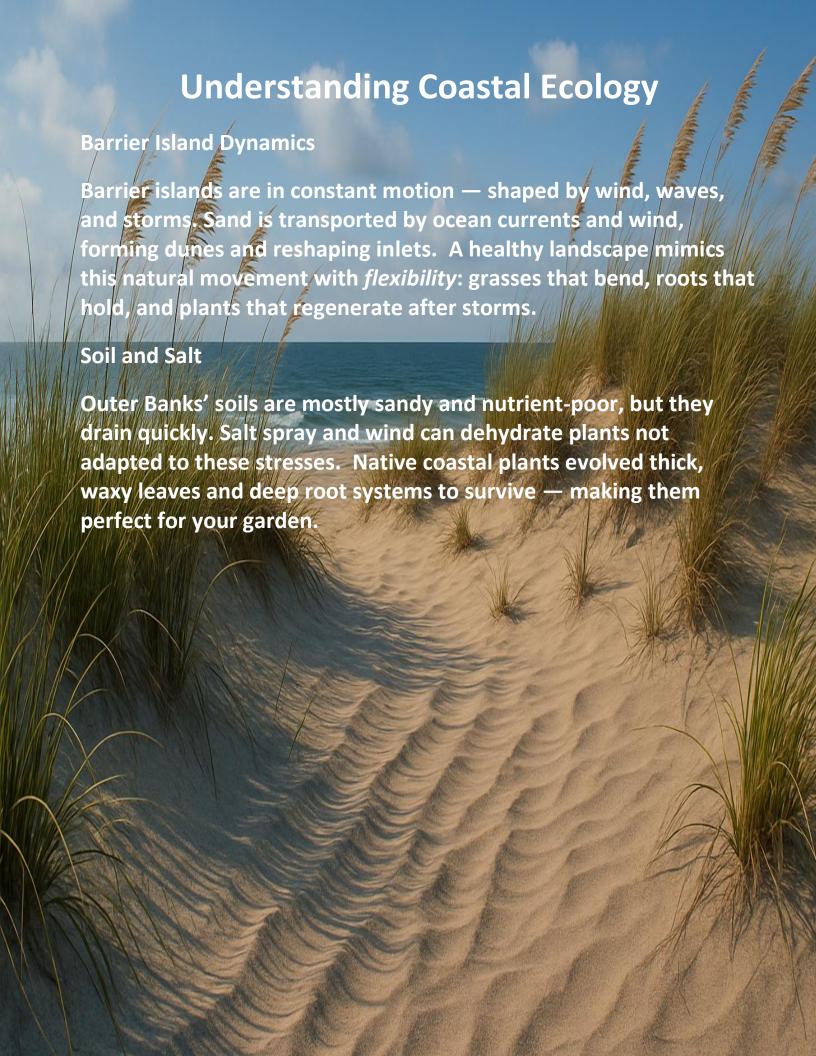
The Outer Banks is unlike any other landscape on the East Coast — a string of barrier islands where land, sea, and sky constantly interact. Gardening here isn't about taming nature it's about working with it.

The combination of salty air, sandy soils, high winds, and periodic flooding creates one of the most challenging — yet most rewarding — environments for coastal gardeners.

Native plants are the heroes of the coast. They:

- Hold dunes in place, preventing erosion.
- Provide food and shelter for birds, bees, and butterflies.
- Filter and clean stormwater runoff.
- Reduce the need for irrigation, fertilizer, and pesticides.

By planting wisely, homeowners can create landscapes that are both beautiful and resilient, strengthening the natural systems that protect the Outer Banks.



Garden Design Principles for Coastal Resilience

Layer Your Landscape

Create natural zones that transition from dune to inland yard:

- Frontline: Dune grasses and groundcovers to anchor sand.
- Mid-zone: Shrubs and small trees for wind protection.
- Backyard / Interior: Shade trees and flowering plants for pollinators.

Work with the Wind

Plant taller shrubs like Wax Myrtle or Yaupon Holly as living windbreaks to shelter delicate species behind them.

Capture and Filter Rainwater

In low-lying areas, install a rain garden using wet-tolerant natives like Joe-Pye Weed, Pickerelweed, and Soft Rush. These plants filter runoff before it reaches the sounds and marshes.

Build for Wildlife

Choose plants that bloom in every season — spring nectar, summer flowers, fall berries, and winter cover. Include native grasses, flowering perennials, and berry-producing shrubs to feed migratory birds and pollinators year-round.

The Dune & Oceanfront Zone

(Salt- and Wind-Tolerant Pioneer Species)

These plants are your first line of defense against erosion. Their root systems trap sand, build dunes, and form a living barrier against waves.

Common Name	Scientific Name	Description & Benefits
Sea Oats	Uniola paniculata	Signature dune grass; anchors sand; essential for dune stability; golden plumes add beauty.
American Beachgrass	Ammophila breviligulata	Fast-growing; ideal for dune restoration; spreads through rhizomes.
Seaside Goldenrod	Solidag <mark>o</mark> sempervirens	Late-summer blooms for monarch butterflies; deep taproot stabilizes soil.
Bitter Panicgrass Beach	Panicum amarum Ipomoea	Coarse grass forming dense clumps; drought-tolerant. Low-growing vine; helps trap sand
Morning Glory	imperati	around plant roots.

Maintenance Tip: Avoid walking on planted dunes — foot traffic destroys root systems. Use walkovers or designated beach paths to protect vegetation.















Did You Know?

- A mature Wax Myrtle hedge can block 60% of wind energy entering a property.
- Sea Oats roots can extend up to 30 feet, anchoring dunes through hurricanes.
- Planting a native buffer along driveways and ditches can reduce polluted runoff into sounds by over half.
- The Outer Banks once hosted vast maritime forests and every native plant you add helps restore that heritage.
- The blanket flower (Gaillardia pulchella) is native to the Outer Banks and thrives in hot, dry, sandy soils—the same conditions that challenge most garden plants.
- Its bright red-and-yellow blooms attract pollinators like bees and butterflies from spring through fall.
- Once established, blanket flowers require no irrigation or fertilizer, helping conserve water and reduce runoff.
- The plant's deep taproot system helps anchor soil, making it a natural partner in erosion control for coastal yards.
- When combined with other natives like Seaside Goldenrod and Muhly Grass, it helps create a resilient, wildlife-friendly landscape that mirrors the beauty and balance of the Outer Banks ecosystem.

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