

Beach Management Plan Approval Request: Bogue Banks Towns, Carteret County


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August 28, 2025

Beach Management Plan (BMP) Approval Procedures



Oceanfront Setbacks Overview



Bogue Banks (Carteret County) – Beach
Management Plan (BMP)



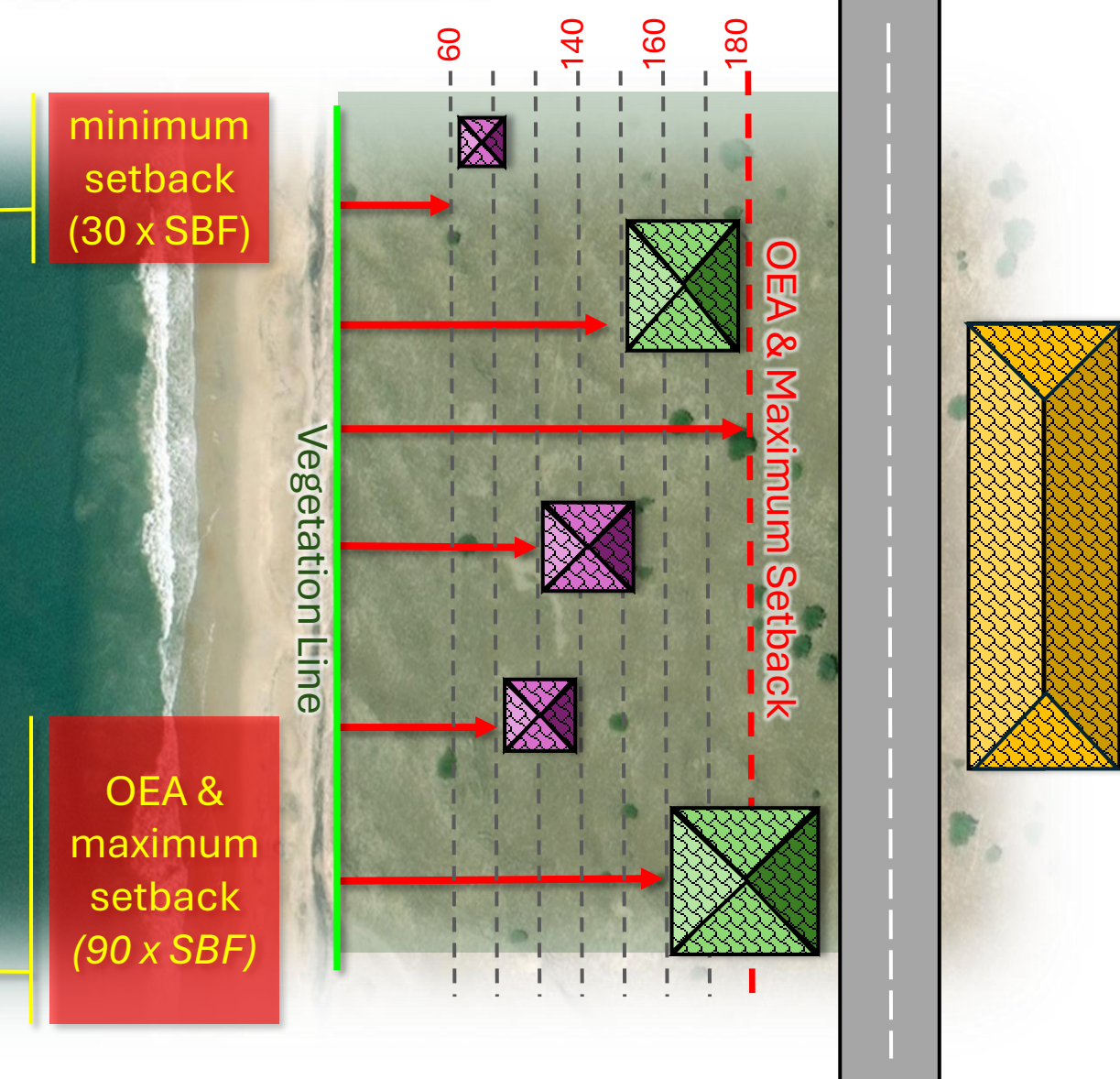
Staff Recommendations

15A NCAC 07J .1200

Ocean Hazard Area (OHA): Setbacks

Structure Sizes	Minimum Setbacks (feet)
< 5,000 sqft.	30 x SBF (<i>minimum 60 ft</i>)
≥ 5,000 sqft.	60 x SBF (<i>minimum 120 ft</i>)
≥ 10,000 sqft.	65 x SBF (<i>minimum 130 ft</i>)
≥ 20,000 sqft.	70 x SBF (<i>minimum 140 ft</i>)
≥ 40,000 sqft.	75 x SBF (<i>minimum 150 ft</i>)
≥ 60,000 sqft.	80 x SBF (<i>minimum 160 ft</i>)
≥ 80,000 sqft.	85 x SBF (<i>minimum 170 ft</i>)
≥ 100,000 sqft.	90 x SBF (<i>minimum 180 ft</i>)

SBF = Setback Factor



An aerial photograph of a coastal town in Dare County, North Carolina. The ocean is on the left, with waves breaking onto a sandy beach. A bright green line runs parallel to the beach, following the coastline and curving around a peninsula. This line represents setbacks from the ocean. The town consists of numerous houses, some with swimming pools, and a road that runs inland. A callout box with a green border and the text "Vegetation Line" points to a specific area of trees and vegetation inland from the green line.

Setbacks measured from:

1. Vegetation Line (FLSNV)
2. Pre-Project Line
3. Measurement Line

Vegetation Line

Base Photo: Dare County, NC

Photo Simulation: NC DCM

Pre-Project Vegetation Line:

Established before start of
beach fill project

Pre-Project
Vegetation Line

Definition of large-scale beach fill
project: *greater than 300,000
cubic yards*

15A NCAC 07H .0305(a)(7)

Completed Beach Fill Project & Planted Vegetation

Pre-Project
Vegetation Line

Planted
Vegetation

Base Photo: Dare County, NC
Photo Simulation: NC DCM



Initial Beach Fill Project Not Maintained

Post-Project
Vegetation

Pre-Project
Vegetation Line

erosion

erosion

erosion

Base Photo: Dare County, NC

Photo Simulation: NC DCM



Initial Beach Fill Project Maintained

Post-Project
Vegetation
(FLSNV)

Pre-Project
Vegetation
Line

BMP Regulatory Relief:

- Setbacks measured from FLSNV
- Structures > 5,000 sqft minimum setback = 120 ft, or 60 x SBF
- Grandfathering applies to all

Base Photo: Dare County, NC

Photo Simulation: NC DCM

Beach Management Plan Approval Procedures: 15A NCAC 07J.1200



Review Summary of Beach Fill Projects

- In the area associated with the Beach Management Plan



Review Maintenance Plans

- Needed to achieve a design life of no less than 30 years of shore protection



Review Sediment Sources

- Location and volume of compatible sediment necessary to construct and maintain the project over design life (30 years)



Review Financial Resources

- Identification of sources used to fund projects over its design life (30 years)



Consider Public Comments

- Received on the draft BMP at the local level (Bogue Banks, Carteret County)