

COASTAL RESILIENCE SUMMARY

CAROLINE COUNTY, VIRGINIA

Natural and Nature-Based Features (NNBFs)

Forests, trees, wetlands, beaches, and living shorelines benefit communities by reducing storm wave energy, soaking up floodwaters, improving water quality, providing areas for recreation, creating habitats for important plants and animals, and even lowering flood insurance costs. These **Natural and Nature-Based Features (NNBFs)** have been mapped for areas that are less than 10-feet in elevation, experience tidal and storm flooding, and include buildings at risk. *(All numbers are approximate.)*



MAP: Caroline coastal areas less than 10-ft elevation, with targets for new NNBFs

NNBFs in Caroline Coastal Areas

2,237 acres All Coastal NNBFs, including:



1,210 acres Forested Wetland



473 acres Wooded



299 acres Scrub-Shrub Wetland



250 acres Emergent Wetland



<1 miles Hybrid Living Shorelines

Visit www.AdaptVA.org to view all coastal NNBFs

Benefits of NNBFs in Caroline



35 acres of NNBFs that decrease flooding risks for buildings



2,237 acres of NNBFs that improve water quality by reducing sediment, nitrogen, and phosphorus



19,080 acres of NNBFs potentially eligible for FEMA Community Rating System credits (100-ft RPA buffer and wetlands located within 100-year flood zones)

Coastal Area Facts

for areas less than 10-ft elevation

1% of Caroline area (2,499 acres)

1 coastal buildings

0 critical facilities

0 coastal buildings without NNBF benefits

0 targets for new NNBFs

Chesapeake Bay RPA 100-ft Buffer Overview

across all of Caroline County

19,278 acres of RPA buffer

793 acres of RPA buffer currently turfgrass potentially eligible for water quality credits if converted into NNBF



To learn more: www.vims.edu/ccrm/nbf