

COASTAL RESILIENCE SUMMARY

CHESTERFIELD 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: Chesterfield coastal areas less than 10-ft elevation, with targets for new NNBFs

NNBFs in Chesterfield Coastal Areas

4,647 acres All Coastal NNBFs, including:



2,777 acres Forested Wetland



917 acres Tidal Marsh



626 acres Wooded



169 acres Emergent Wetland



<1 miles Hybrid Living Shorelines

Visit www.AdaptVA.org to view all coastal NNBFs

Benefits of NNBFs in Chesterfield



159 acres of NNBFs that decrease flooding risks for buildings



4,642 acres of NNBFs that improve water quality by reducing sediment, nitrogen, and phosphorus



4,137 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

2% of Chesterfield area (4,808 acres)

12 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 Chesterfield County

23,578 acres of RPA buffer

2,611 acres of RPA buffer currently turfgrass potentially eligible for water quality credits if converted into NNBF



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