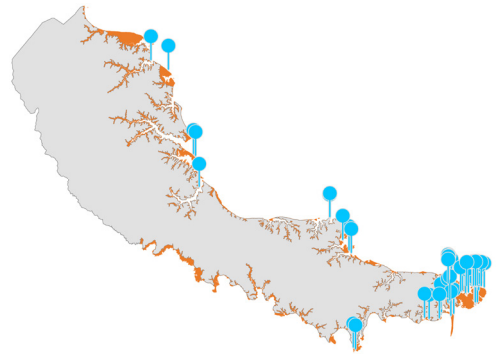


COASTAL RESILIENCE SUMMARY

MIDDLESEX 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: Middlesex coastal areas less than 10-ft elevation, with targets for new NNBFs

NNBFs in Middlesex Coastal Areas

5,020 acres All Coastal NNBFs, including:



2,642 acres Wooded



1,218 acres Tidal Marsh



770 acres Forested Wetland



240 acres Scrub-Shrub Wetland



>3 miles Hybrid Living Shorelines

Visit www.AdaptVA.org to view all coastal NNBFs

Benefits of NNBFs in Middlesex



1,808 acres of NNBFs that decrease flooding risks for buildings



4,970 acres of NNBFs that improve water quality by reducing sediment, nitrogen, and phosphorus



4,774 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

8% of Middlesex area (6,427 acres)

1,339 coastal buildings

0 critical facilities

84 coastal buildings without NNBF benefits

47 targets for new NNBFs

Chesapeake Bay RPA 100-ft Buffer Overview

across all of Middlesex County

9,722 acres of RPA buffer

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



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