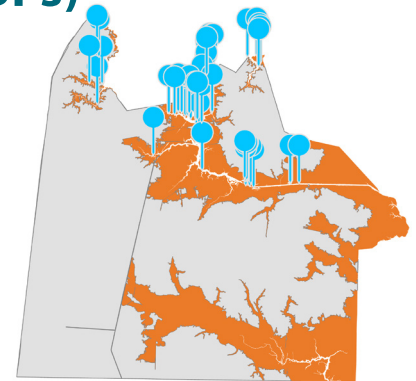


COASTAL RESILIENCE SUMMARY

CITY OF CHESAPEAKE, 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: Chesapeake coastal areas less than 10-ft elevation, with targets for new NNBFs

NNBFs in Chesapeake Coastal Areas

36,701 acres All Coastal NNBFs, including:



21,236 acres Forested Wetland



11,363 acres Wooded



1,827 acres Tidal Marsh



1,576 acres Scrub-Shrub Wetland



>1 miles Hybrid Living Shorelines

Visit www.AdaptVA.org to view all coastal NNBFs

Benefits of NNBFs in Chesapeake



27,697 acres of NNBFs that decrease flooding risks for buildings



36,698 acres of NNBFs that improve water quality by reducing sediment, nitrogen, and phosphorus



3,592 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

27% of Chesapeake area (60,102 acres)

18,324 coastal buildings

19 critical facilities

591 coastal buildings without NNBF benefits

58 targets for new NNBFs

Chesapeake Bay RPA 100-ft Buffer Overview

across all of City of Chesapeake

4,784 acres of RPA buffer

1,589 acres of RPA buffer currently turfgrass potentially eligible for water quality credits if converted into NNBF



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