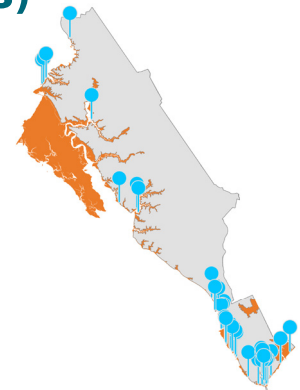


COASTAL RESILIENCE SUMMARY

CITY OF NEWPORT NEWS, 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: Newport News coastal areas less than 10-ft elevation, with targets for new NNBFs

NNBFs in Newport News Coastal Areas

5,557 acres All Coastal NNBFs, including:



2,564 acres Tidal Marsh



2,406 acres Wooded



411 acres Forested Wetland



58 acres Scrub-Shrub Wetland



<1 miles Hybrid Living Shorelines

Visit www.AdaptVA.org to view all coastal NNBFs

Benefits of NNBFs in Newport News



1,635 acres of NNBFs that decrease flooding risks for buildings



5,544 acres of NNBFs that improve water quality by reducing sediment, nitrogen, and phosphorus



1,212 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

18% of Newport News area (7,990 acres)

1,864 coastal buildings

6 critical facilities

179 coastal buildings without NNBF benefits

41 targets for new NNBFs

Chesapeake Bay RPA 100-ft Buffer Overview

across all of City of Newport News

1,499 acres of RPA buffer

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



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