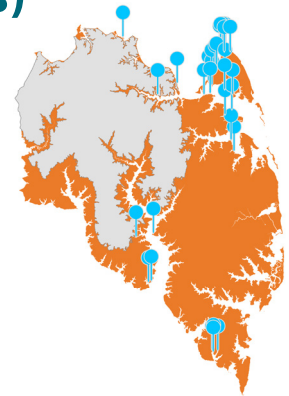


COASTAL RESILIENCE SUMMARY

MATHEWS 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: Mathews coastal areas less than 10-ft elevation, with targets for new NNBFs

NNBFs in Mathews Coastal Areas

22,759 acres All Coastal NNBFs, including:



11,856 acres Wooded



5,777 acres Forested Wetland



3,263 acres Tidal Marsh



1,071 acres Scrub-Shrub Wetland



>6 miles Hybrid Living Shorelines

Visit www.AdaptVA.org to view all coastal NNBFs

Benefits of NNBFs in Mathews



18,867 acres of NNBFs that decrease flooding risks for buildings



22,520 acres of NNBFs that improve water quality by reducing sediment, nitrogen, and phosphorus



6,708 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

59% of Mathews area (32,007 acres)

4,669 coastal buildings

5 critical facilities

73 coastal buildings without NNBF benefits

31 targets for new NNBFs

Chesapeake Bay RPA 100-ft Buffer Overview

across all of Mathews County

6,369 acres of RPA buffer

1,252 acres of RPA buffer currently turfgrass potentially eligible for water quality credits if converted into NNBF



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