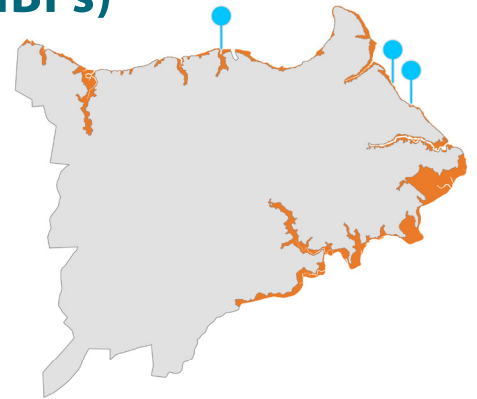


COASTAL RESILIENCE SUMMARY

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

NNBFs in Hopewell Coastal Areas

327 acres All Coastal NNBFs, including:



153 acres Forested Wetland



87 acres Wooded



57 acres Tidal Marsh



19 acres Emergent Wetland



<1 miles Hybrid Living Shorelines

Visit www.AdaptVA.org to view all coastal NNBFs

Benefits of NNBFs in Hopewell



4 acres of NNBFs that decrease flooding risks for buildings



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



347 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

6% of Hopewell area (372 acres)

12 coastal buildings

0 critical facilities

8 coastal buildings without NNBF benefits

3 targets for new NNBFs

Chesapeake Bay RPA 100-ft Buffer Overview

across all of City of Hopewell

520 acres of RPA buffer

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



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