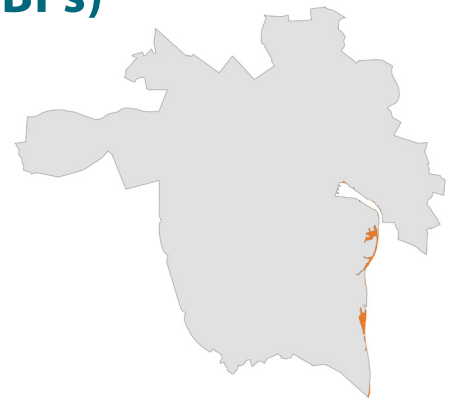


COASTAL RESILIENCE SUMMARY

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

NNBFs in Richmond Coastal Areas

134 acres All Coastal NNBFs, including:



66 acres Wooded



51 acres Forested Wetland



9 acres Emergent Wetland



6 acres Scrub-Shrub



<1 miles Hybrid Living Shorelines

Visit www.AdaptVA.org to view all coastal NNBFs

Benefits of NNBFs in Richmond



1 acres of NNBFs that decrease flooding risks for buildings



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



944 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

<1% of Richmond area (146 acres)

4 coastal buildings

0 critical facilities

1 coastal buildings without NNBF benefits

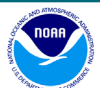
0 targets for new NNBFs

Chesapeake Bay RPA 100-ft Buffer Overview

across all of City of Richmond

1,342 acres of RPA buffer

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



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