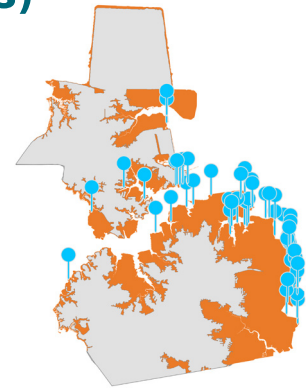


COASTAL RESILIENCE SUMMARY

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

NNBFs in Portsmouth Coastal Areas

1,664 acres All Coastal NNBFs, including:



1,054 acres Wooded



464 acres Tidal Marsh



52 acres Forested Wetland



42 acres Emergent Wetland



>1 miles Hybrid Living Shorelines

Visit www.AdaptVA.org to view all coastal NNBFs

Benefits of NNBFs in Portsmouth



1,055 acres of NNBFs that decrease flooding risks for buildings



1,638 acres of NNBFs that improve water quality by reducing sediment, nitrogen, and phosphorus



794 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

37% of Portsmouth area (8,005 acres)

10,651 coastal buildings

14 critical facilities

431 coastal buildings without NNBF benefits

49 targets for new NNBFs

Chesapeake Bay RPA 100-ft Buffer Overview

across all of City of Portsmouth

936 acres of RPA buffer

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



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