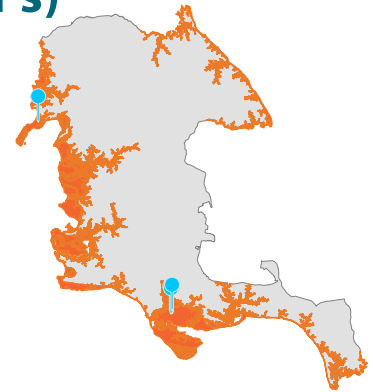


# COASTAL RESILIENCE SUMMARY

## JAMES CITY 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: James City coastal areas less than 10-ft elevation, with targets for new NNBFs

#### NNBFs in James City Coastal Areas

**11,357 acres** All Coastal NNBFs, including:



**5,916 acres** Tidal Marsh



**3,548 acres** Wooded



**1,533 acres** Forested Wetland



**208 acres** Scrub-Shrub Wetland



**>1 miles** Hybrid Living Shorelines

Visit [www.AdaptVA.org](http://www.AdaptVA.org) to view all coastal NNBFs

#### Benefits of NNBFs in James City



**2,351 acres** of NNBFs that decrease flooding risks for buildings



**11,324 acres** of NNBFs that improve water quality by reducing sediment, nitrogen, and phosphorus



**8,590 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

**14%** of James City area (12,857 acres)

**1,018** coastal buildings

**0** critical facilities

**7** coastal buildings without NNBF benefits

**5** targets for new NNBFs

#### Chesapeake Bay RPA 100-ft Buffer Overview

across all of James City County

**16,352 acres** of RPA buffer

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



To learn more: [www.vims.edu/ccrm/nbnf](http://www.vims.edu/ccrm/nbnf)