

COASTAL RESILIENCE SUMMARY

SURRY 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: Surry coastal areas less than 10-ft elevation, with targets for new NNBFs

NNBFs in Surry Coastal Areas

4,394 acres All Coastal NNBFs, including:



1,593 acres Tidal Marsh



1,203 acres Forested Wetland



841 acres Wooded



434 acres Emergent Wetland



<1 miles Hybrid Living Shorelines

Visit www.AdaptVA.org to view all coastal NNBFs

Benefits of NNBFs in Surry



561 acres of NNBFs that decrease flooding risks for buildings



4,279 acres of NNBFs that improve water quality by reducing sediment, nitrogen, and phosphorus



4,289 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

3% of Surry area (5,268 acres)

114 coastal buildings

0 critical facilities

2 coastal buildings without NNBF benefits

1 targets for new NNBFs

Chesapeake Bay RPA 100-ft Buffer Overview

across all of Surry County

6,346 acres of RPA buffer

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



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