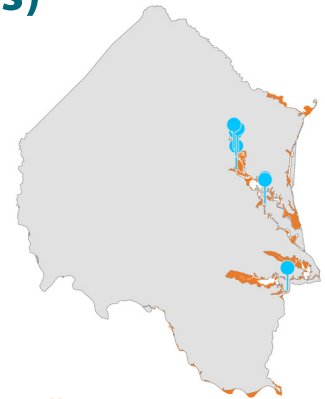# COASTAL RESILIENCE SUMMARY
STAFFORD COUNTY, VIRGINIA

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 **N**atural and **N**ature-**B**ased **F**eatures (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: Stafford coastal areas less than 10-ft elevation, with targets for new NNBFs

NNBFs in Stafford Coastal Areas

3,364 acres   **All Coastal NNBFs**, including:

1,285 acres   Tidal Marsh

1,151 acres   Wooded

675 acres   Forested Wetland

160 acres   Scrub-Shrub Wetland

<1 miles   Hybrid Living Shorelines

*Visit **www.AdaptVA.org** to view all coastal NNBFs*

Coastal Area Facts
for areas less than 10-ft elevation

2% of Stafford area (3,931 acres)

217 coastal buildings

0 critical facilities

9 coastal buildings without NNBF benefits

7 targets for new NNBFs

Benefits of NNBFs in Stafford

753 acres   of NNBFs that decrease flooding risks for buildings

3,355 acres   of NNBFs that improve water quality by reducing sediment, nitrogen, and phosphorus

CRS   **6,224 acres**   of NNBFs potentially eligible for FEMA Community Rating System credits (100-ft RPA buffer and wetlands located within 100-year flood zones)

Chesapeake Bay RPA 100-ft Buffer Overview
across all of Stafford County

15,759 acres of RPA buffer

2,031 acres of RPA buffer currently turfgrass potentially eligible for water quality credits if converted into NNBF

Center for Coastal Resources Management — Virginia Institute of Marine Science

VIMS | WILLIAM & MARY — VIRGINIA INSTITUTE OF MARINE SCIENCE

WILLIAM & MARY LAW SCHOOL — VIRGINIA COASTAL POLICY CENTER

WETLANDS WATCH

Albemarle-Pamlico National Estuary Partnership

NOAA

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