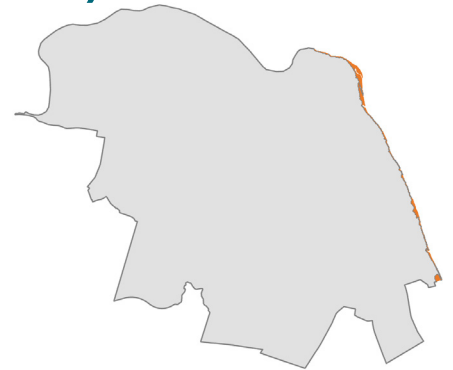# COASTAL RESILIENCE SUMMARY
CITY OF FREDERICKSBURG, VIRGINIA

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

NNBFs in Fredericksburg Coastal Areas

	18 acres	**All Coastal NNBFs**, including:
	16 acres	Wooded
	1 acres	Tidal Marsh
	1 acres	Forested 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

<1% of Fredericksburg area (25 acres)

0 coastal buildings

0 critical facilities

0 coastal buildings without NNBF benefits

0 targets for new NNBFs

Benefits of NNBFs in Fredericksburg

	<1 acres	of NNBFs that decrease flooding risks for buildings
	18 acres	of NNBFs that improve water quality by reducing sediment, nitrogen, and phosphorus
CRS	**38 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 City of Fredericksburg

339 acres of RPA buffer

60 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