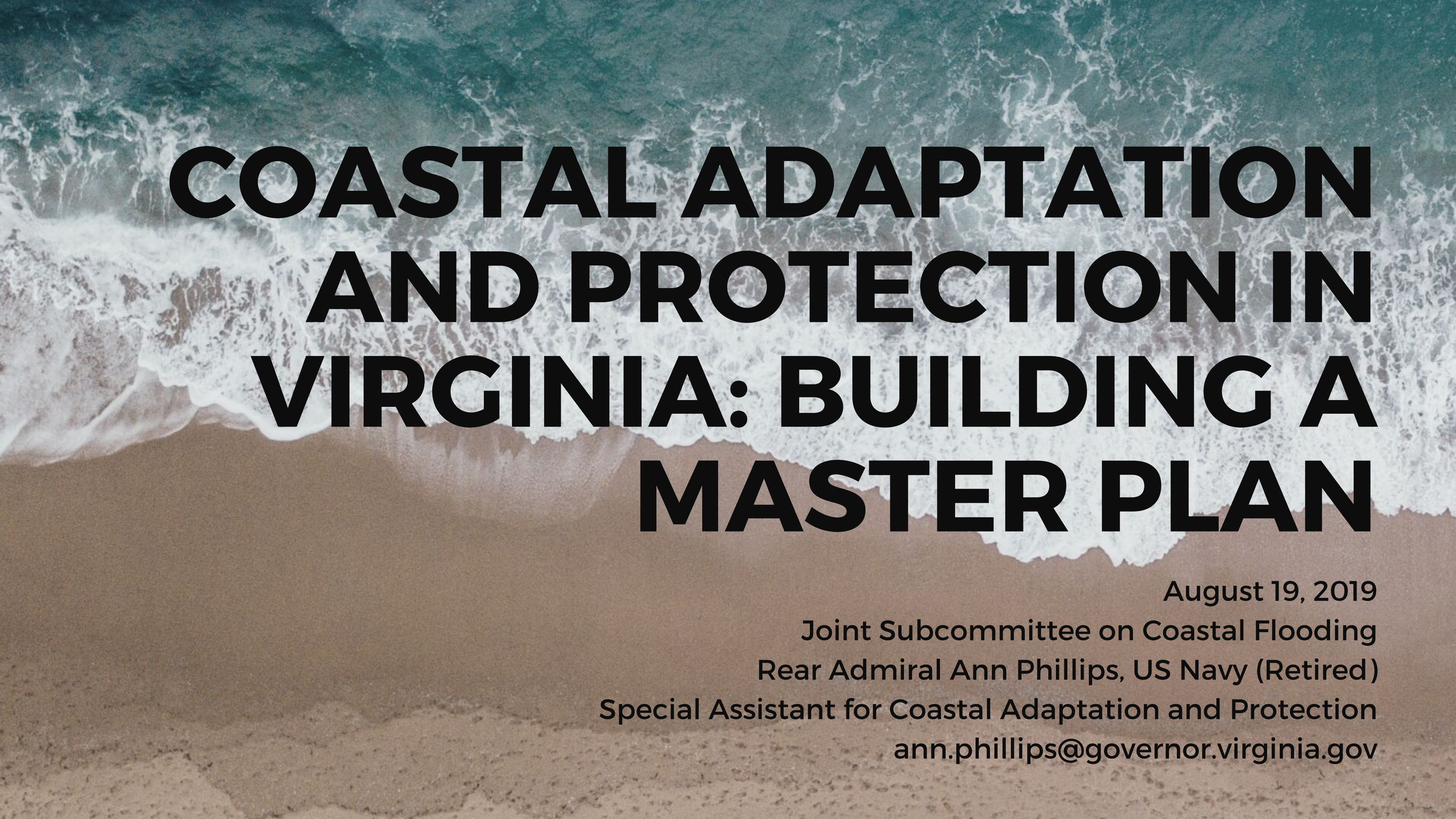


COASTAL ADAPTATION AND PROTECTION IN VIRGINIA: BUILDING A MASTER PLAN

August 19, 2019

Joint Subcommittee on Coastal Flooding

Rear Admiral Ann Phillips, US Navy (Retired)
Special Assistant for Coastal Adaptation and Protection
ann.phillips@governor.virginia.gov

EO-24 INCREASING VIRGINIA'S RESILIENCE TO SEA LEVEL RISE AND NATURAL HAZARDS

- SECTION 1: SET STATEWIDE STANDARDS
- SECTION 2: VIRGINIA COASTAL RESILIENCE MASTER PLAN
- SECTION 3: STATEWIDE COMMUNICATION, COORDINATION, COLLABORATION

"VIRGINIA'S ROADMAP TO MAKE OUR BUILT ENVIRONMENT MORE RESILIENT TO FLOODS, HURRICANES, FIRES, AND OTHER EXTREME WEATHER EVENTS."

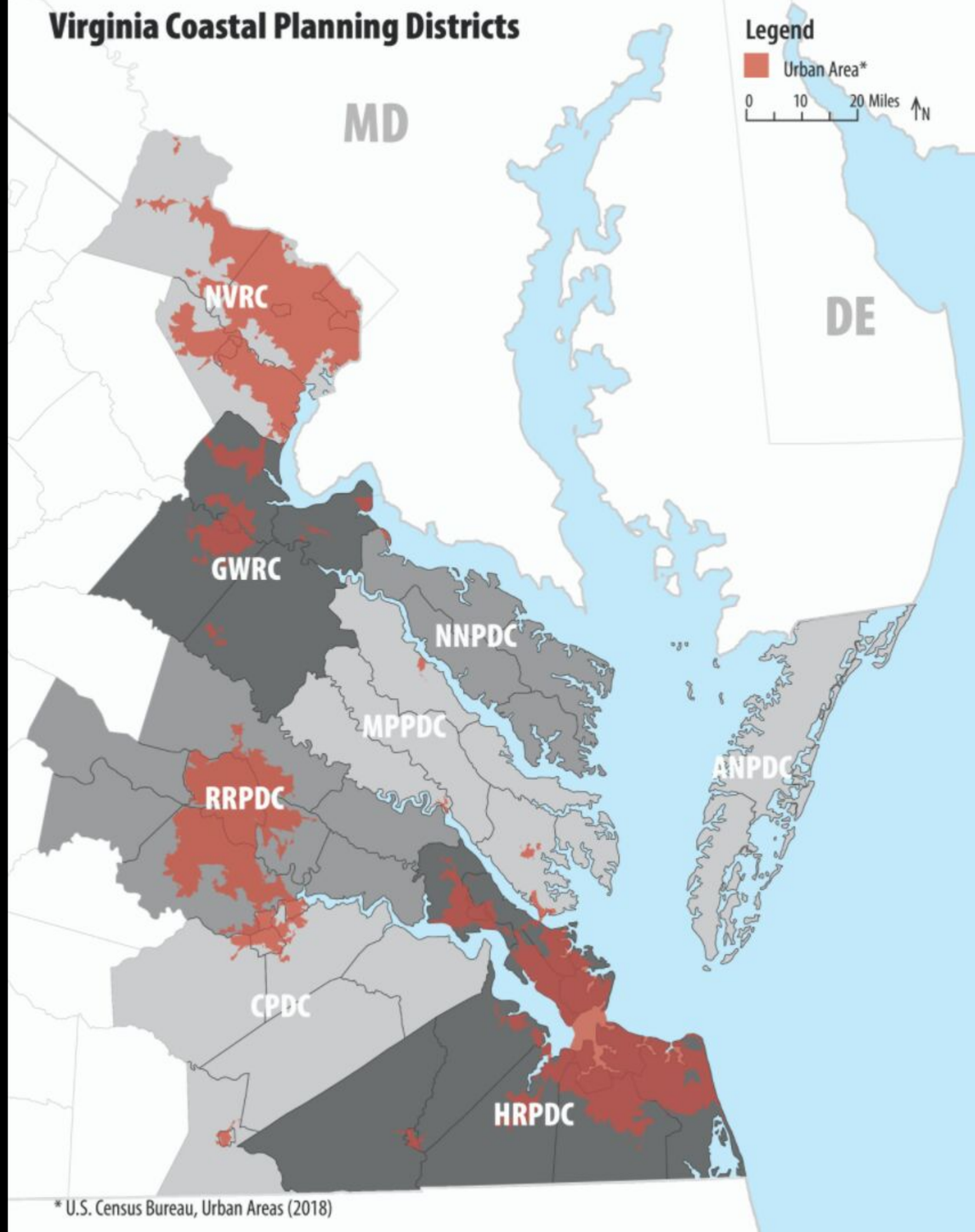
GOVERNOR RALPH NORTHAM
NOVEMBER 2, 2018

EO-24: INCREASING VIRGINIA'S RESILIENCE TO SEA LEVEL RISE AND NATURAL HAZARDS

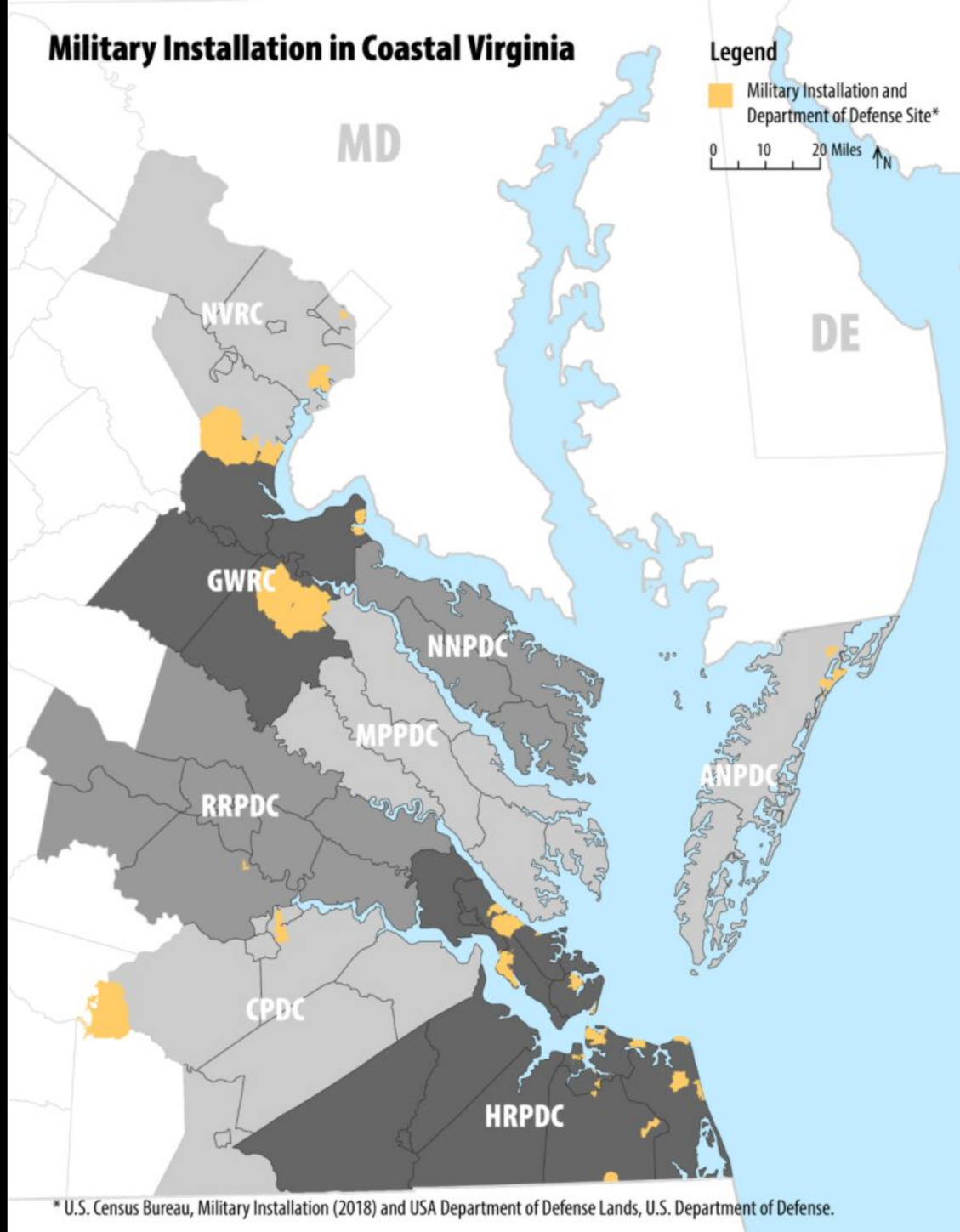
Section 2-A: The Virginia Coastal Resilience Master Plan

- Be based on best available science
- Updated every 5 years
- Provide recommendations to to reduce tidal and storm surge flooding and flood risk
- Employ natural and nature-based solutions to the maximum extent possible
- Include a detailed funding analysis

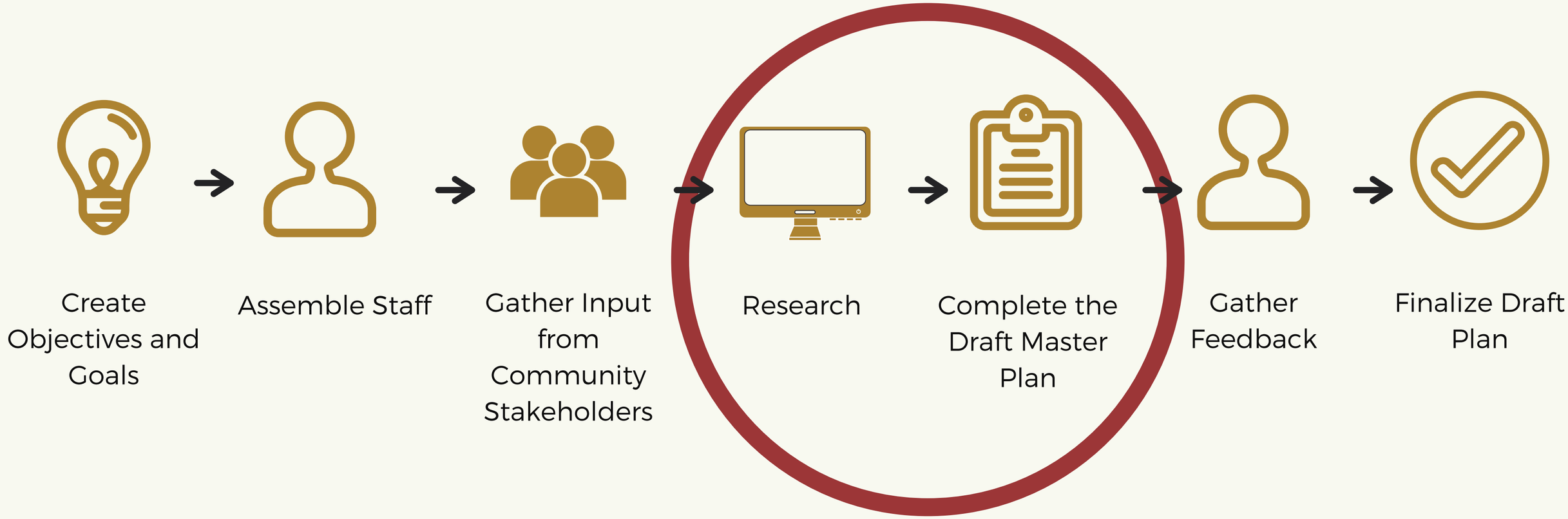
FOCUS AREA


Virginia Coastal Planning Districts
Legend
Urban Area*
0 10 20 Miles
N
MD
DE
NVRC
GWRC
NNPDC
MPPDC
RRPDC
ANPDC
CPDC
HRPDC
* U.S. Census Bureau, Urban Areas (2018)

MILITARY INSTALLATIONS



Completing the Coastal Master Plan



Plan Priorities

FIRST- "DO NO HARM"

NATURAL AND NATURE-BASED SOLUTIONS

As a first line of defense

EXAMPLE: Collaborate accross state wetland programs

COLLABORATIVE PROGRAMS

Incentivize multi-jurisdictional projects

ENVIRONMENTAL JUSTICE

Ensure equitable access to funding and technical support for underserved communities

INTEGRATE RESILIENCE THROUGHOUT STATE AGENCIES/PROCESSES

State-Wide Needs

- Predictive Rainfall Projections
- Predictive Floodplain Mapping
- Riverine and Coastal Gauge System
- Consistent/Dedicated Funding

"THE COMMONWEALTH OF VIRGINIA HAS A RESPONSIBILITY TO ASSIST LOCAL GOVERNMENTS IN REDUCING FLOOD RISK THROUGH PLANNING AND IMPLEMENTING LARGE SCALE FLOOD PROTECTION AND ADAPTATION INITIATIVES."

EO-24 INCREASING VIRGINIA'S RESILIENCE TO SEA LEVEL RISE AND NATURAL HAZARDS

TIME AND TIDE WAIT FOR NO MAN . . .

BILL TIERNAN | THE VIRGINIAN-PILOT: HIGH TIDE CAUSED WATERS FROM THE LAFAYETTE RIVER TO FLOOD THE 200 BLOCK OF LAVALETTE AVE. IN NORFOLK, SEPTEMBER 19, 2017