

POWER IN PARTNERSHIPS



Photo: David Imburgia



ELI: Wetlands and Hazard Mitigation
November 1, 2023



Flood Risk Management



Wetlands Migration

We work where land, communities, and water meet to conserve nature in a changing climate

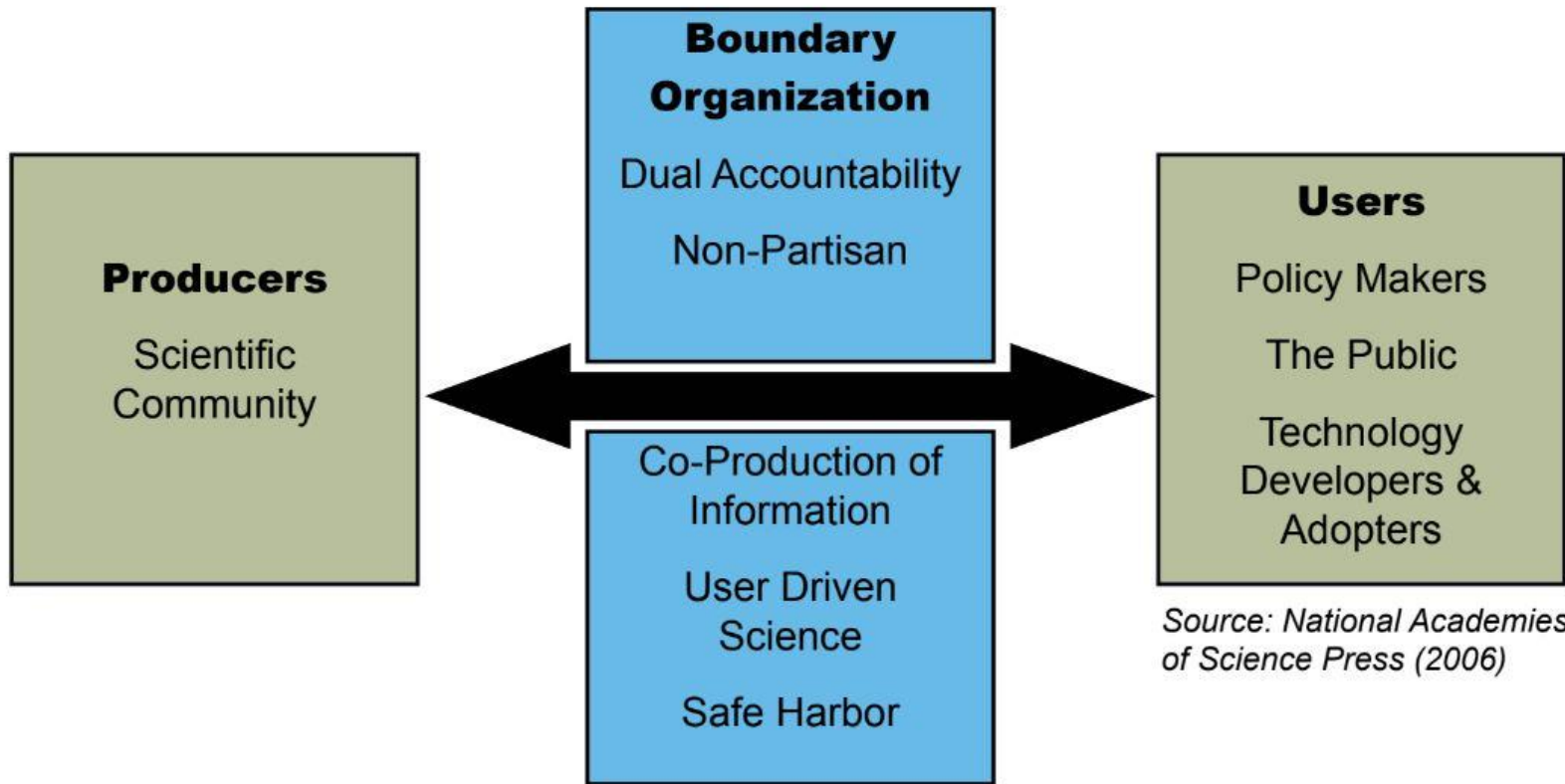


Green Infrastructure



Local Government Advisory

OUR ORGANIZATIONAL APPROACH



*Source: National Academies
of Science Press (2006)*



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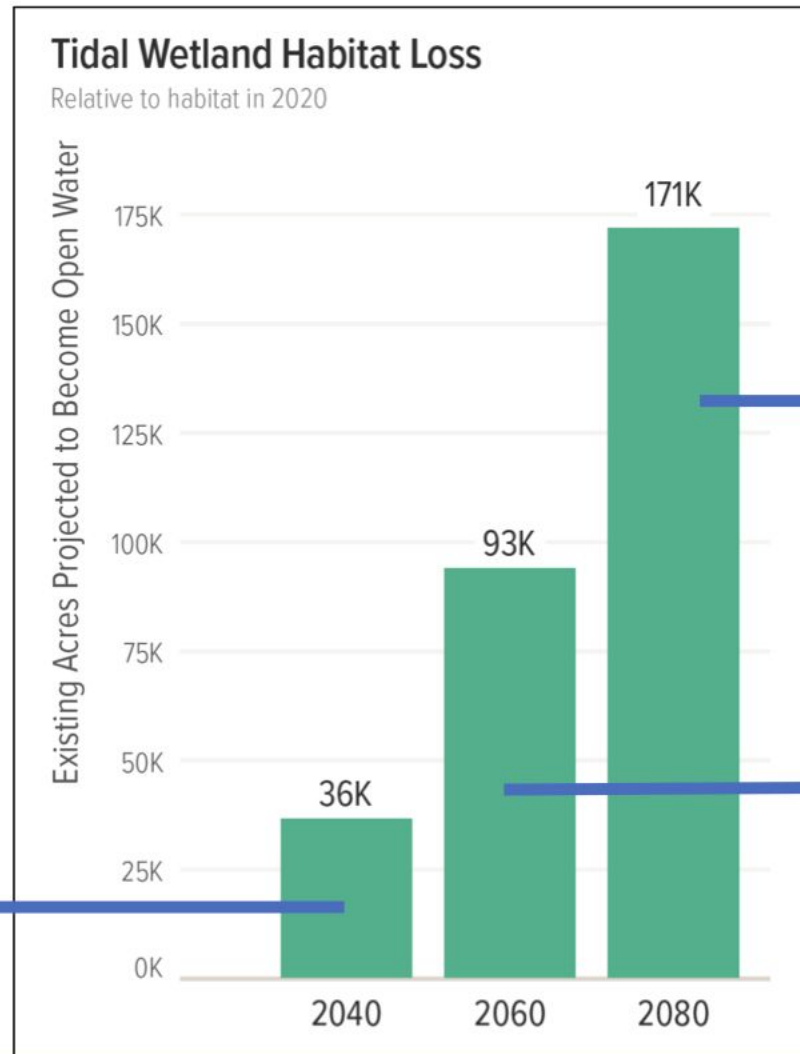


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WETLANDS LOSS IN VIRGINIA



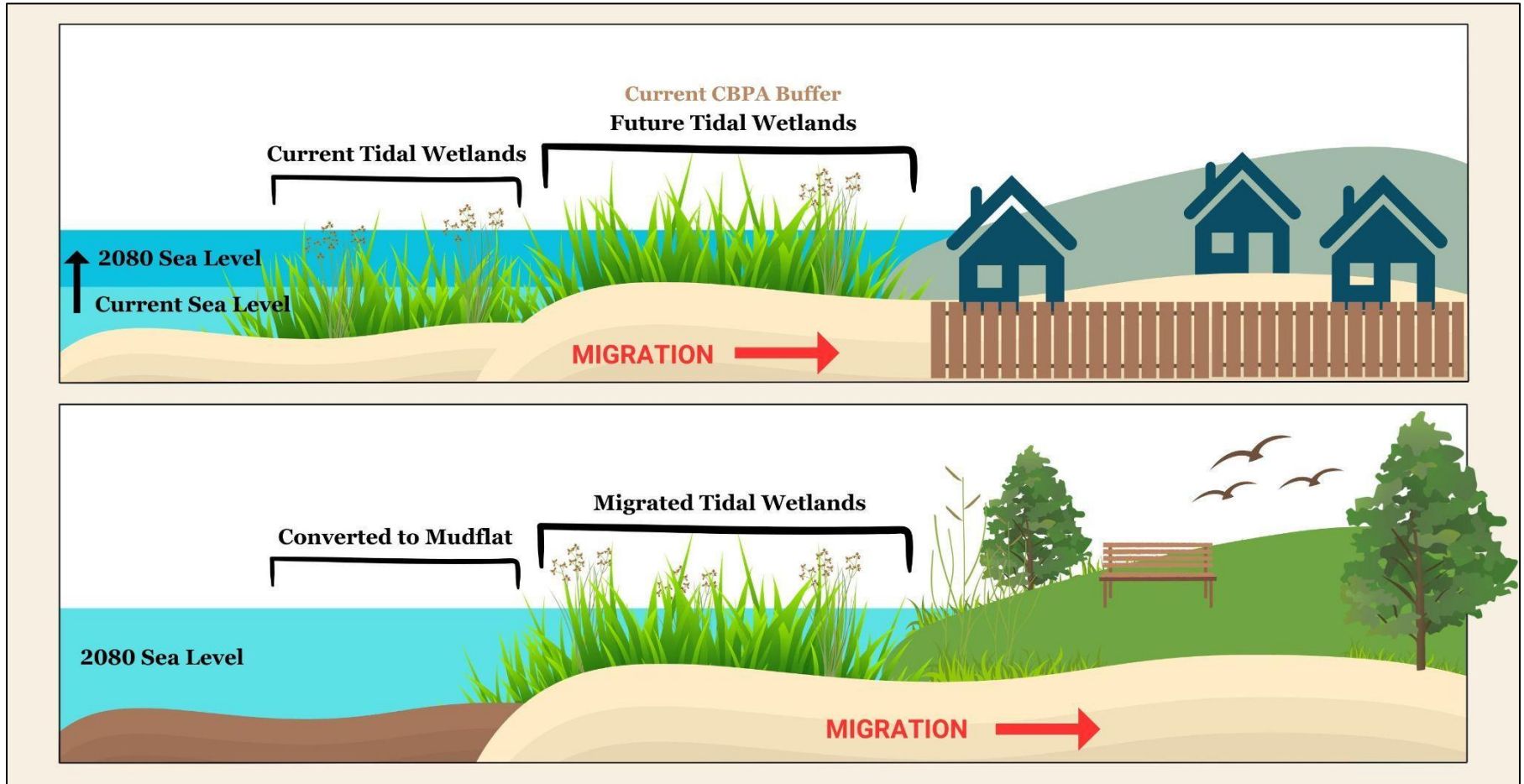
der.virginia.gov/crmp/

19% loss

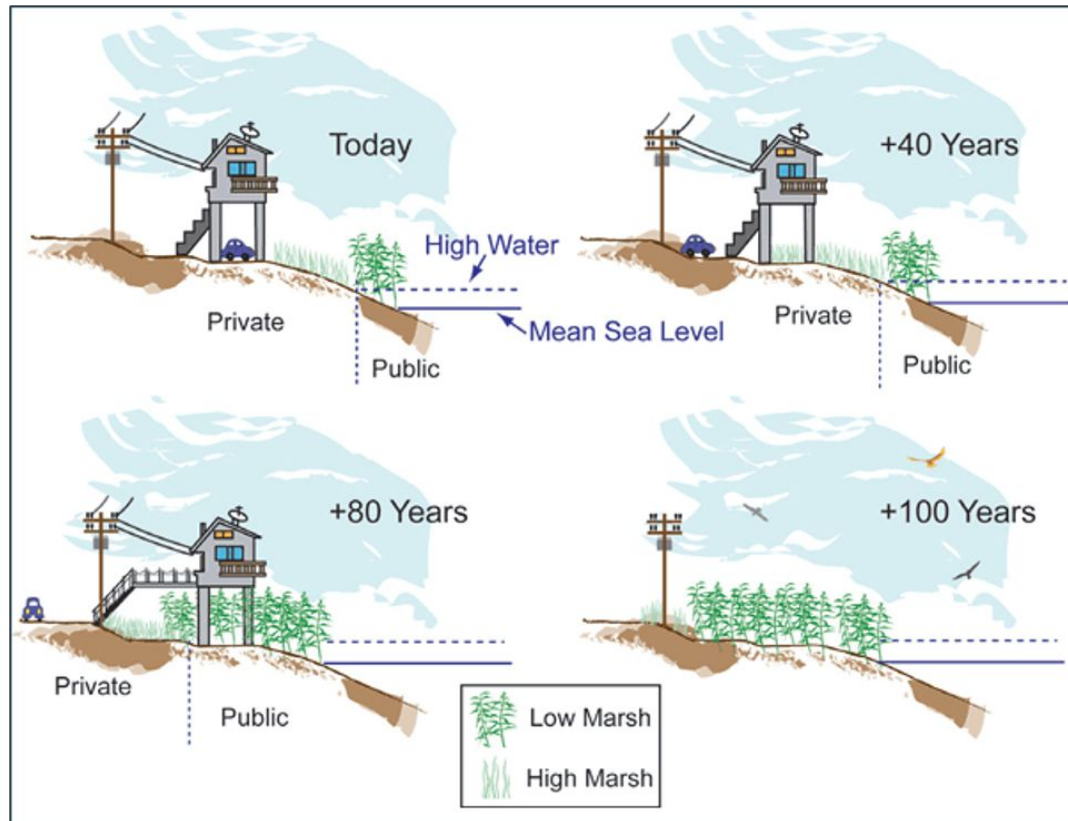
89% loss

49% loss

WETLANDS SURVIVAL DEPENDS ON MIGRATION



WETLANDS MIGRATION TOOL: ROLLING EASEMENT



A rolling easement “rolls” along with shoreline encroachment due to sea level rise, enforcing development restrictions that reflect changing parcel conditions

ROLLING CONSERVATION EASEMENT PILOT: NORFOLK, VA

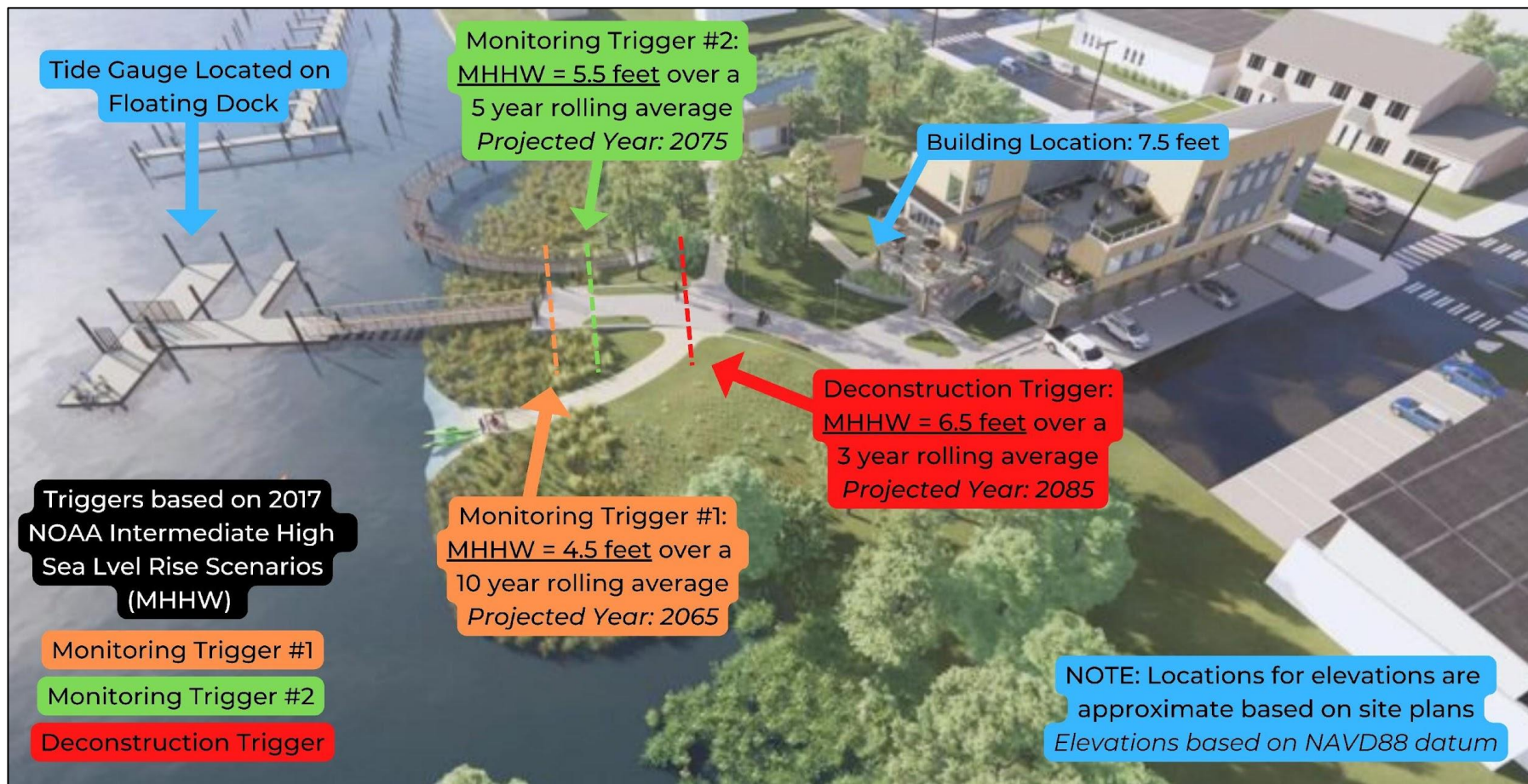


COASTAL VIRGINIA
CONSERVANCY
Conserving land and water for life



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ROLLING CONSERVATION EASEMENT ENFORCEMENT TRIGGERS





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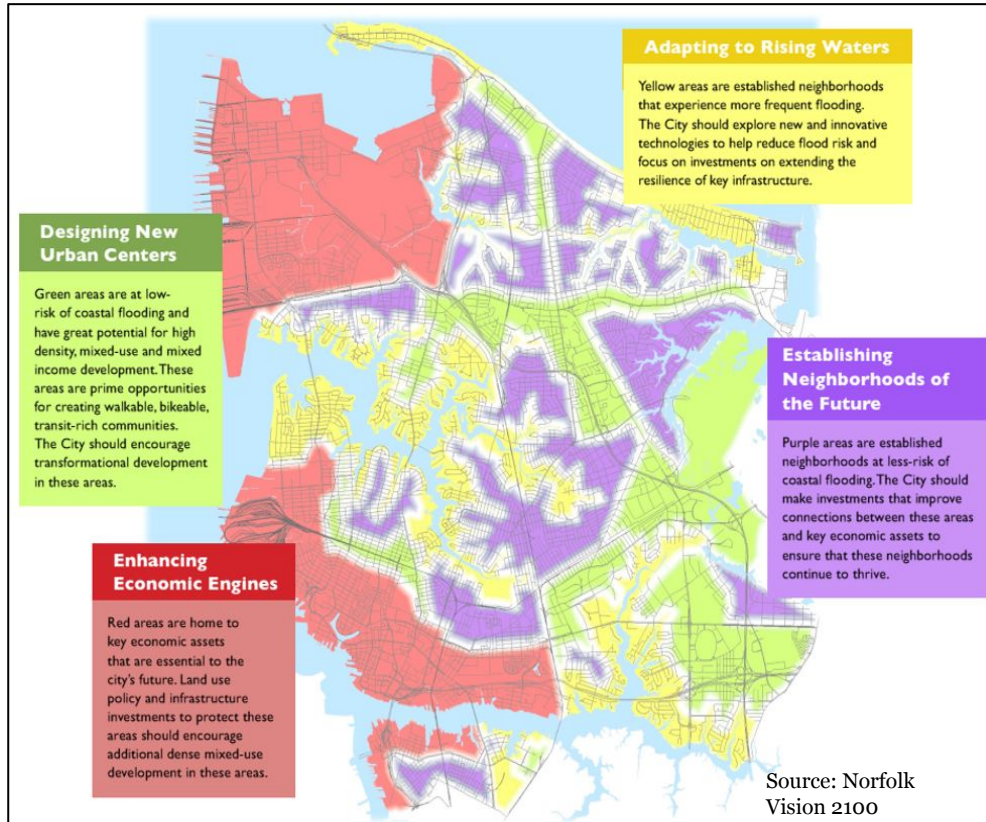


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LAND USE PLANNING FOR CLIMATE ADAPTATION



WETLANDS PROTECTIONS & MIGRATION IN PLANNING



Low elevation marsh absorbing wave energy. Credit, NOAA.



Coastal Wetlands Plan for the York River, Piankatank River, and Mobjack Bay

YORK RIVER &
SMALL COASTAL BASIN
ROUNDTABLE

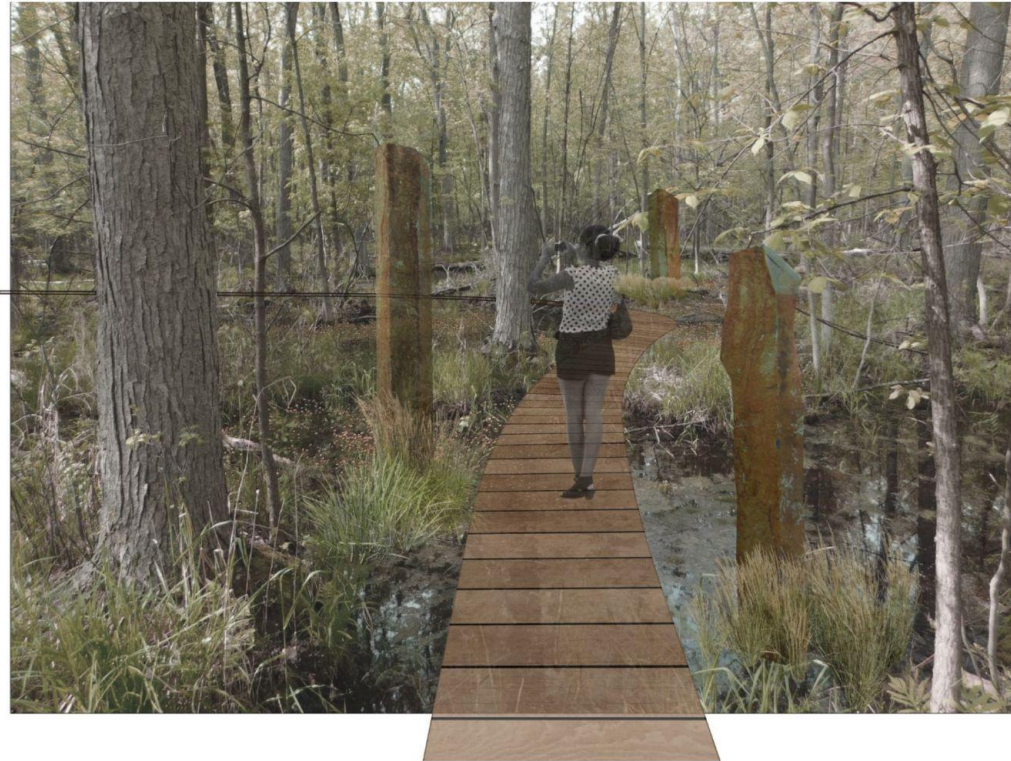
RESILIENCE RESEARCH & DESIGN COLLABORATORY



ACADEMIC TEAMS, LOCALITIES, & COMMUNITY MEMBERS FOCUS = CO-PRODUCTION

Langston Memorial Walk

- Sculptural pillars within the landscape with the names of the original community members and the 158 original homes.
- Space that is designated for flooding so if there is a big storm event it will go into this space instead of causing damage to community and homes





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COLLABORATION AND TRAINING FOR PROFESSIONALS AND STUDENTS

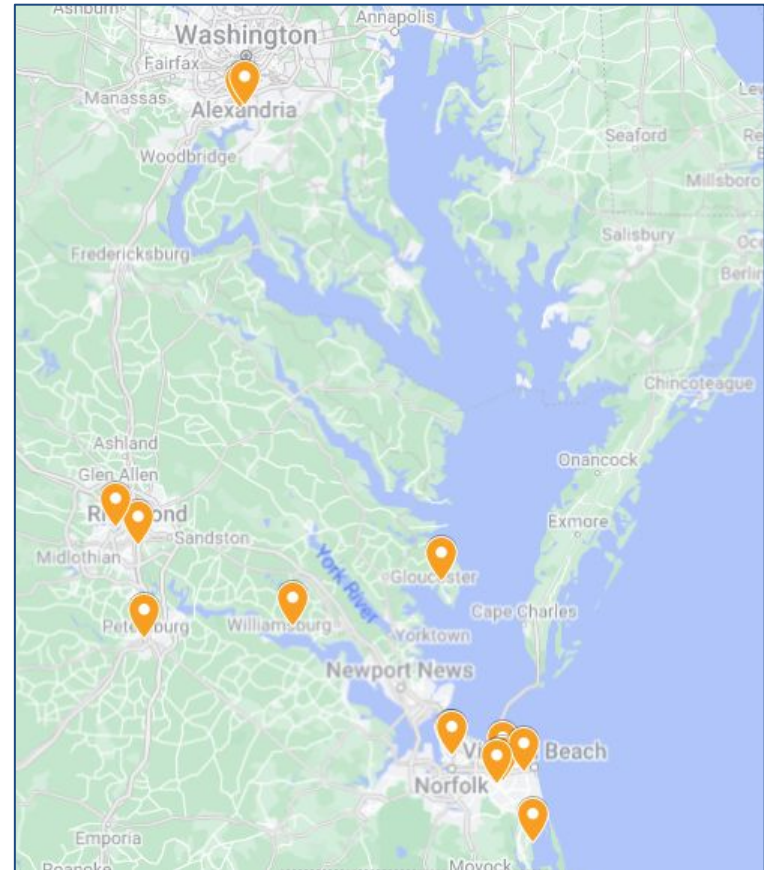


CBLP and LSC promote climate resilience, habitat restoration, and clean water using sustainable landscape practices and green infrastructure in the Chesapeake Bay region



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CAPACITY BUILDING & GAP FILLING GRANT PROGRAM





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NATIONAL FLOOD INSURANCE PROGRAM SETS THE PACE & TONE

- Regulating development for reduced flood risk - flood risk zones are climate change zones (tidal & rainfall)
- High risk flood areas along shoreline = natural features
- Keeping shorelines free of development is our goal
- You can save money doing this →
Community Rating System Program

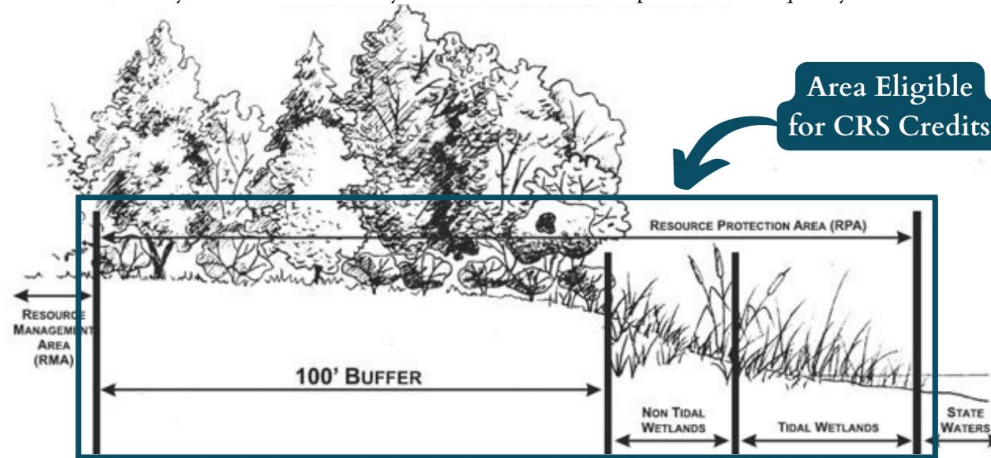


UNDEVELOPED SHORELINES IN VA ELIGIBLE FOR CRS CREDITS

CRS Credits for Chesapeake Bay Act Buffers & Wetlands in Virginia Fact Sheet

Background

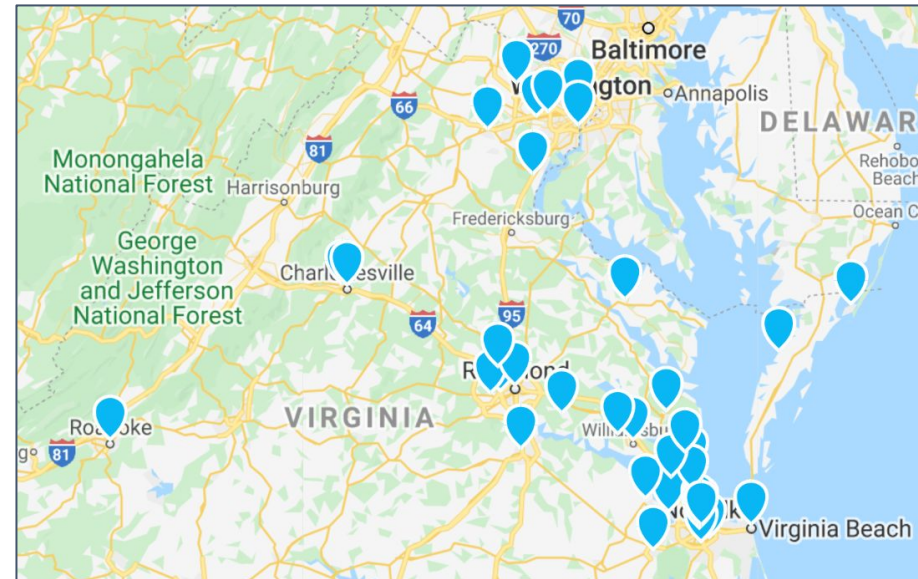
Localities participating in the Community Rating System (CRS) Program can earn CRS credits for preserving open space areas in high risk flood zones, also called Special Flood Hazard Areas (SFHAs). In Virginia, localities can earn credits for undeveloped land located within Chesapeake Bay Preservation Act's Resource Protection Areas (RPAs). These areas include the 100-foot buffer, non-tidal wetlands, tidal wetlands, & any other areas a locality identifies as critical to protect water quality.



CRS PROGRAM: GROWING EXPERTISE & LEADERSHIP

VA CRS Workgroup

- Community of practice
- Meeting in-person & virtually every other month
- Sharing best practices for increasing CRS Classes
- Ability to test ideas, get feedback, vet work



THANK YOU!



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