YOUR LOCAL GOVERNMENT AT WORK







Erik Michelsen, Deputy Director, AA Co Bureau of Watershed Protection and Restoration

Jackie Guild, Deputy City Manager, Resilience & Sustainability City of Annapolis

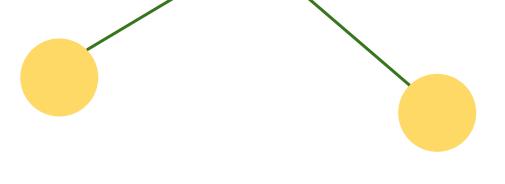
Michael Stringer, AA Co Office of Planning & Zoning



County Region Plans

CLIMATE RESILIENCE

Military
Installation
Resilience
Review



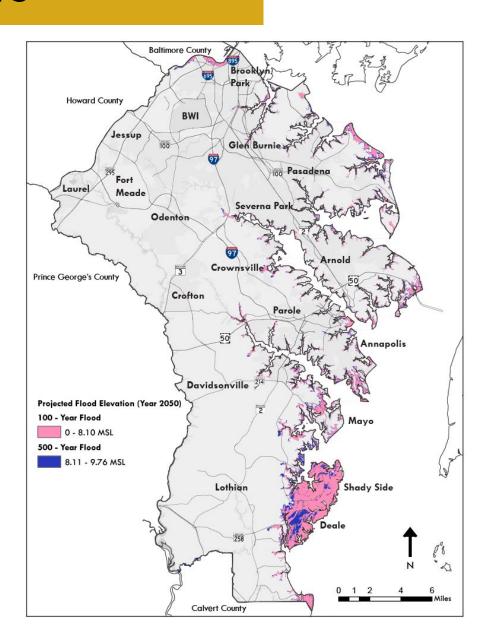
County SLR
Risk &
Resilience
Studies





CLIMATE CHANGE IMPACTS

- Precipitation Change
- Sea Level Rise
- Excessive Heat Days

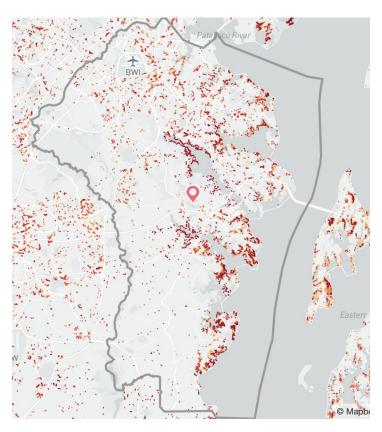




ADVANCING STORMWATER RESILIENCY IN MARYLAND (A-STORM)

- Work with local governments to define "flooding events."
- Consider updating regulations based on contemporary precipitation estimates.
- Develop updated ESD to the MEP standards.
- Work with local governments to identify frequently flooded areas.
- Develop regulations that would lead to watershed assessments of floodprone watersheds.
- Create a stakeholder group to review and consult on regulations.



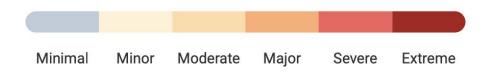


SUMMARY

Flood risk overview for Anne Arundel County

There are **12,349** properties in Anne Arundel County that have **greater than a 26% chance** of being severely affected by flooding over the next 30 years. This represents **6%** of all properties in the county.

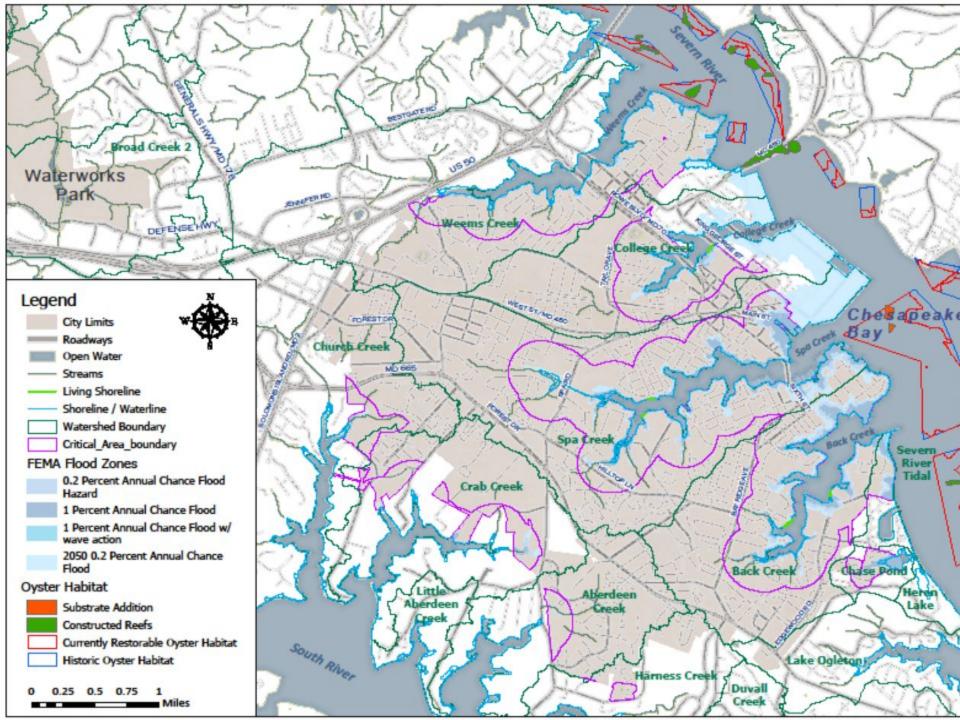
In addition to damage on properties, flooding can also cut off access to utilities, emergency services, transportation, and may impact the overall economic well-being of an area. Overall, **Anne Arundel County has a moderate risk of flooding** over the next 30 years, which means flooding is likely to impact day to day life within the community.





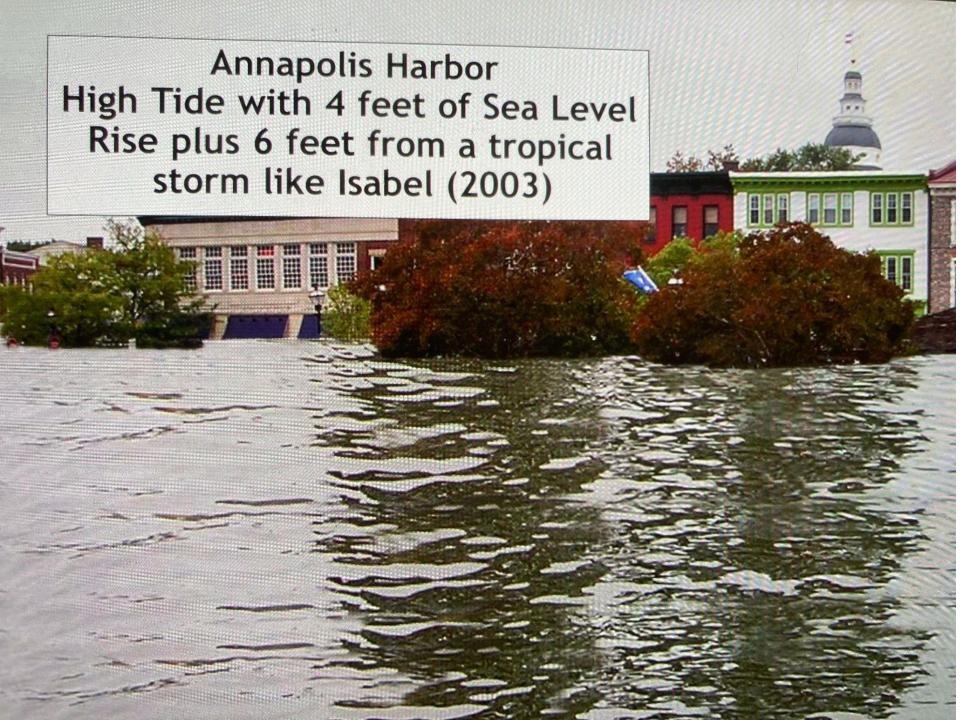
RESILIENCE AUTHORITY OF ANNAPOLIS AND ANNE ARUNDEL COUNTY

- Purpose: to undertake and support resilience infrastructure projects in the City and County - flood barriers, green spaces, building elevation, stormwater controls
- Director, CFO, 12 members (9 County, 3 City)
- Non-voting Advisors City and County staff
- Fund projects bonds, fees for services, grants, P3's, contributions from state, county, city
- First project City Dock reimagined
- Other priorities Shady Side peninsula, roads & bridges











REIMAGINING CITY DOCK



MILITARY INSTALLATION RESILIENCE REVIEW (MIRR)

- Effort between Naval Support Annapolis (NSA), Anne Arundel County and City of Annapolis to support mission readiness and the public health and safety of surrounding communities
- Will identify assets, challenges, and priorities; make recommendations to meet threats of climate change
- Transportation focused; also critical infrastructure
- Funded through a DOD grant
- City of Annapolis is project leader
- Stakeholder input, policy and technical committees
- September 2021 January 2023

RISK ASSESSMENT AND RESILIENCE PLANS





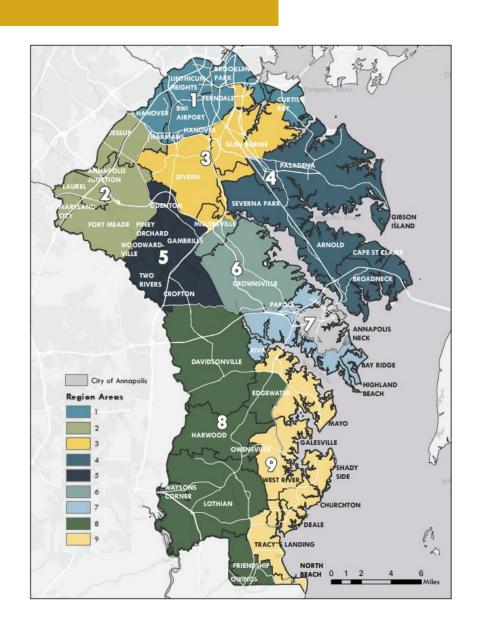




REGION PLANS

- Region Plans will include an evaluation of community assets and needs, as well as a shared vision for the future.
- Regions 2, 4, and 7 started in 2021

http://aacounty.org/regionplans



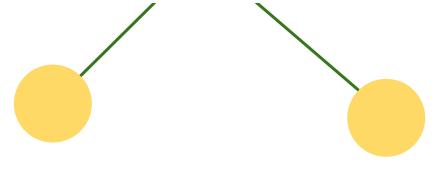






LAND CONSERVATION

Annapolis
Comprehensive
Plan
Greenways

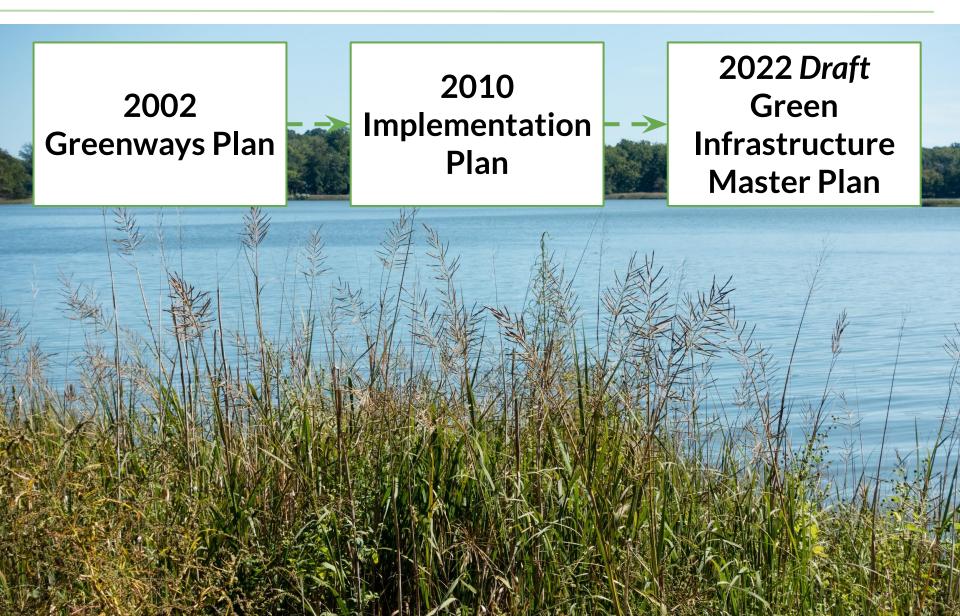


Land
Preservation
Parks &
Restoration
Plan



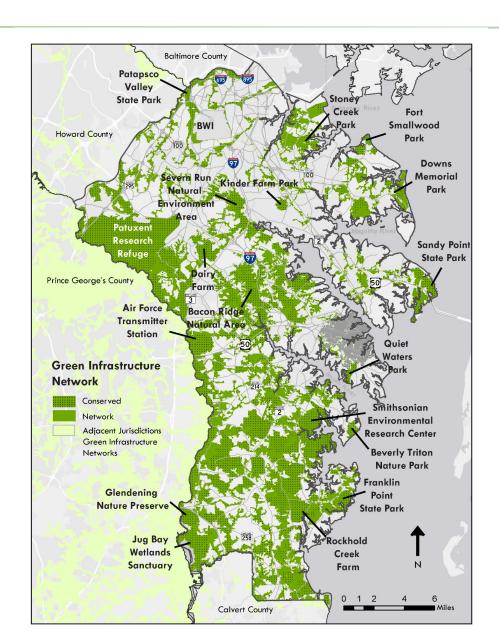


GREENWAYS TO GREEN INFRASTRUCTURE



County Buy: 3,500 Acres Ag Easements: 3,900 Acres Land Trusts: 1, 900 Acres

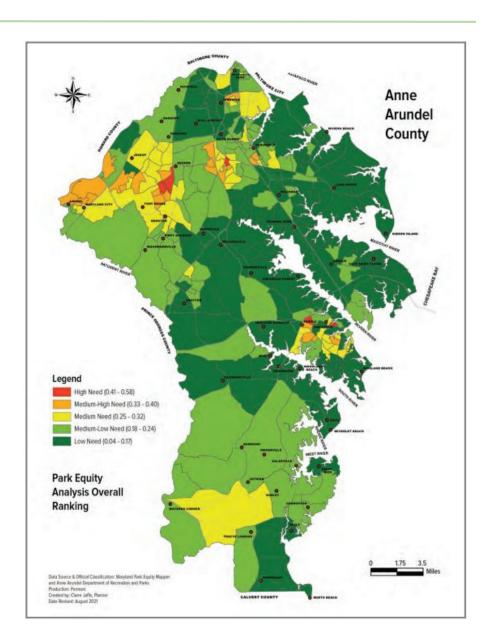
GREEN INFRASTRUCTURE NETWORK



County Land Preservation Parks & Recreation Plan

- Long Range Master Plan
- 5-Year Update
- Needs Assessment
- Future Projects List
- Public Review

https://www.aacounty.org/departme
nts/recreation-parks/about-us/lpprp/



Conservation in 2040 Annapolis Ahead

20 Year City Comprehensive Plan https://www.annapolis.gov/1446/2040-Comprehensive-Plan

- Environmental and Sustainability Goals tree canopy, decreasing carbon footprint, reduce waste to landfill, watershed stewardship, decreasing stormwater runoff, drinking water and wastewater infrastructure, equity, increasing multi-modal transportation.
- Goal: Merge parks and recreation system with conservation areas and trails to create a Greenway System - map in development.
- Equitable waterfront access by investing in new and improved public spaces and connections to them - Robert Eades Park, Hawkins Cove
- Check out Sections: Sensitive Areas, Transportation, Water Resources, Community Facilities, Land Use
- Future land use map Environmental Enhancement bright green

Floodprone Property Acquisition Program



(Photo courtesy Capital Gazette)







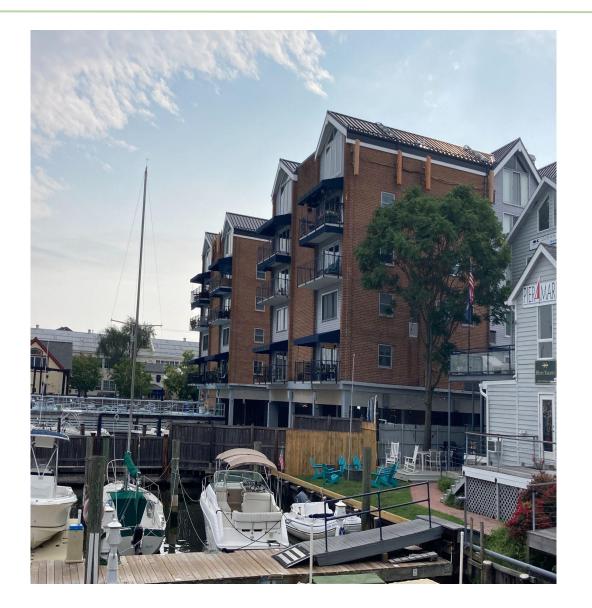


Cedar Ridge Townhomes Stormwater Project

No existing SW controls
Native, rain gardens
Pervious materials
Second alley in design!



Tecumseh Condos Stormwater Project

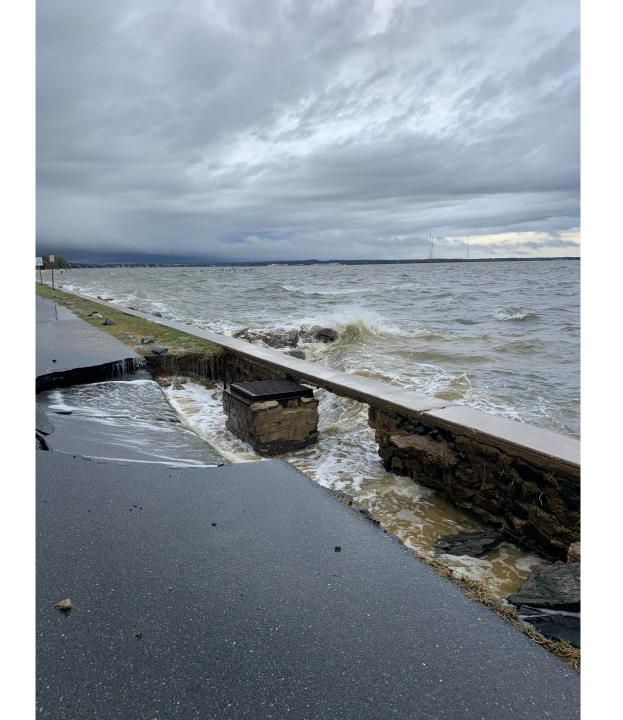


Built in 1968 - over the water!

No stormwater controls

HOA study of parking lot for stormwater retention

Funded thru CBT/City











DAIRY FARM ROAD OUTFALL - BEFORE



SUSAN'S BRANCH - BEFORE











HOLLY BEACH FARM LIVING SHORELINE

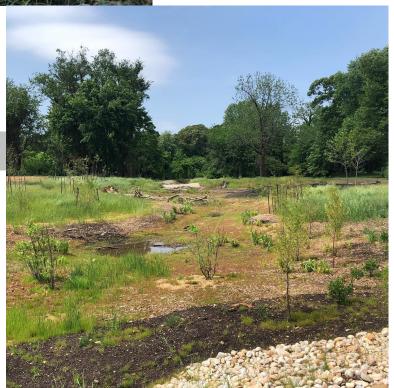


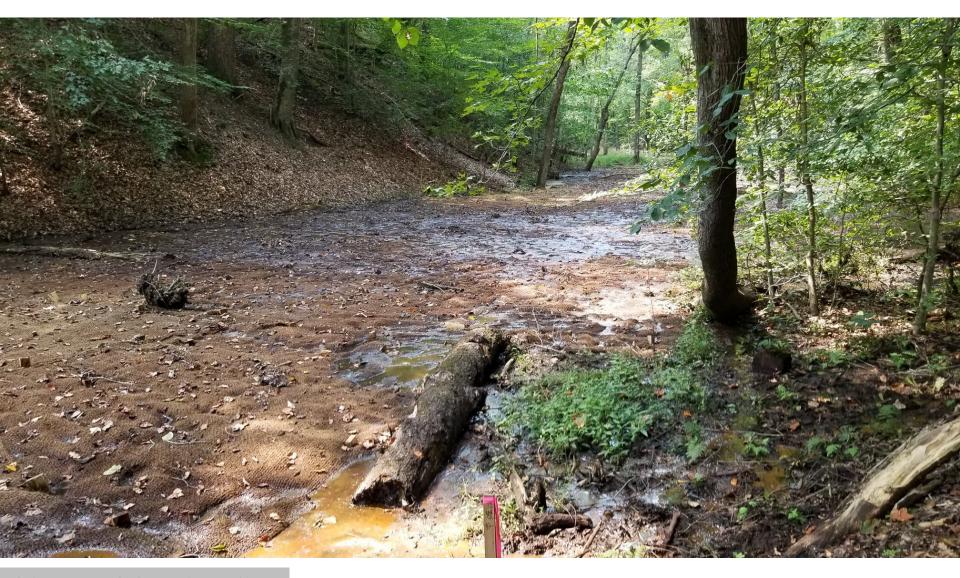
HERITAGE HARBOR STREAM



ULMSTEAD BIORETENTION

ST. DIXON FARM RSC





CAMP WOODLANDS

THANK YOU!!!

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