



Fox Hill, Grandview, & Harris Creek Water Plan

City Council Briefing

April 8, 2026

Agenda

1. Resilient Hampton Initiative
2. The Water Planning Process
3. Fox Hill, Grandview, & Harris Creek Study Area
4. What We've Heard
5. Where We Are Going



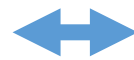
The Resilient Hampton Initiative

Living with Water Strategic Priority



Addressing coastal resiliency, reoccurring flooding, waterways, and environmental sustainability while enhancing our tax base and quality of life.

Address the
challenge of
flooding

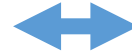


Recognize &
treat water
resources as
assets

Living with Water Strategic Priority

- Shoreline protection
- Structural adaptation
- Stormwater system upgrades & maintenance

Address the challenge of flooding



Recognize & treat water resources as assets

- Coastal placemaking
- Coastal dependent industry investment
- Waterway access

- Structural relocation
- Green infrastructure retrofits
- Low impact development
- Open space preservation
- Tree & habitat conservation
- Shoreline & habitat restoration

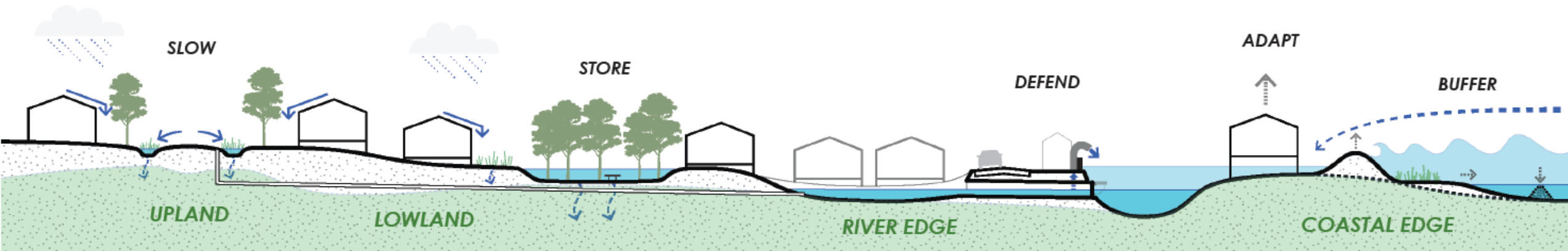
- Transportation corridor functionality
- Pedestrian, bicycle & transit connectivity and accessibility

Resilience is the bolstering of a community's inherent strengths in order to alleviate chronic stresses and enable recovery from extreme events and shocks in ways that make the community even stronger than before.



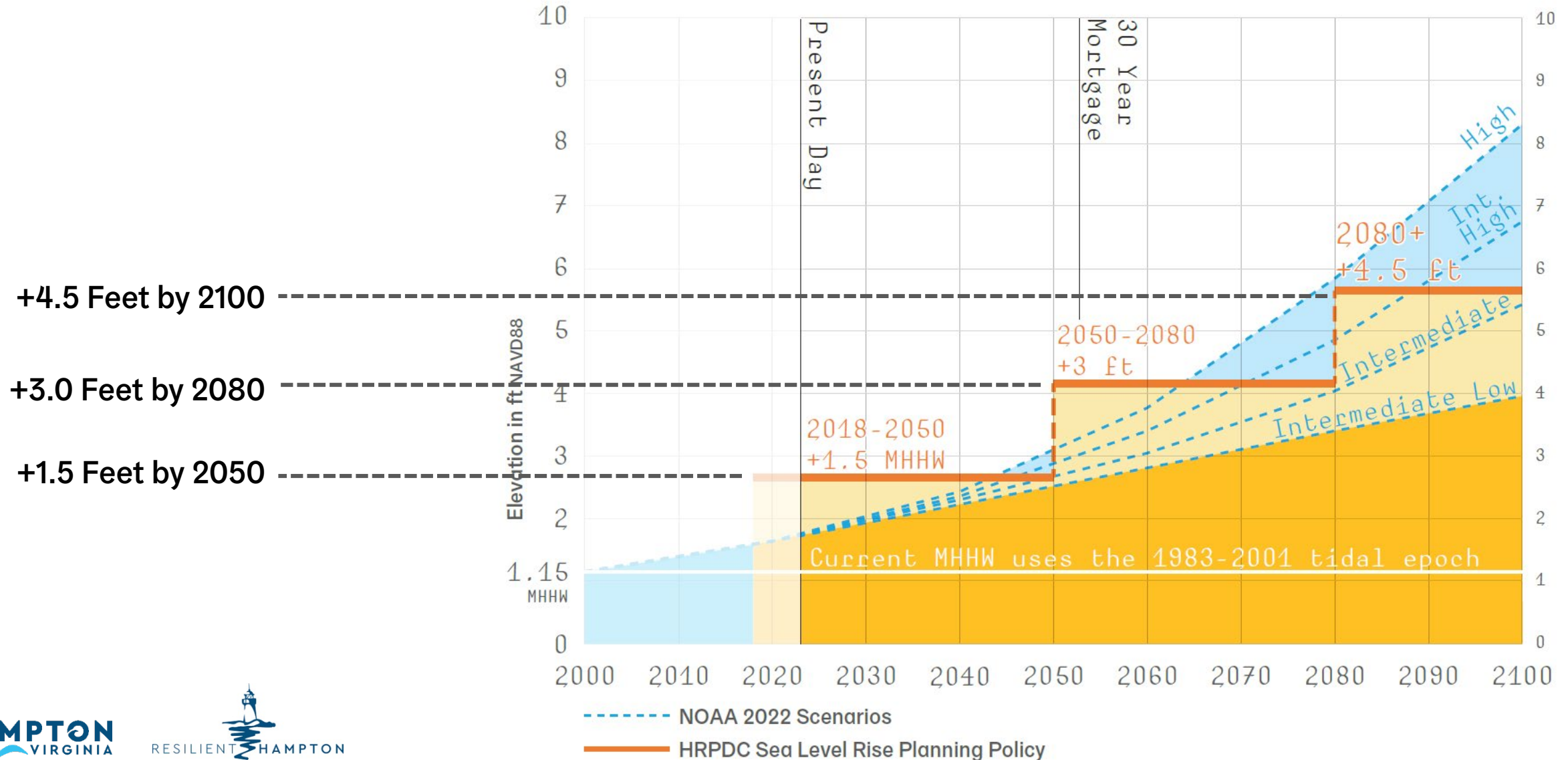
Our Mission: Living with Water

To envision, create, and empower Hampton to live and thrive with water and the impacts of climate change through approaches driven by data and values.



Higher sea levels.

Sea Level Rise Planning Horizons Hampton Roads Planning District Commission Sea Level Rise (SLR) Planning Policy with NOAA SLR 2022 Scenarios.



Climate Change



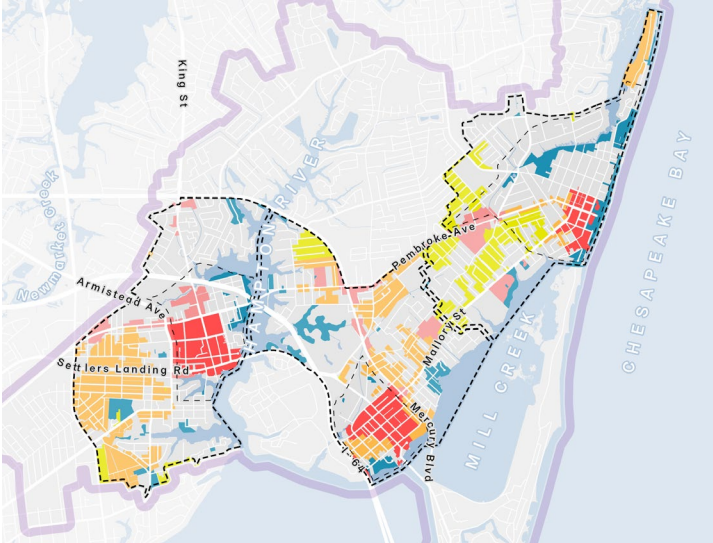
Sea Level Rise
&

Increasingly
Powerful & More
Frequent Storms



Resilient Hampton Team's Work

Planning & Policy



Projects & Programs



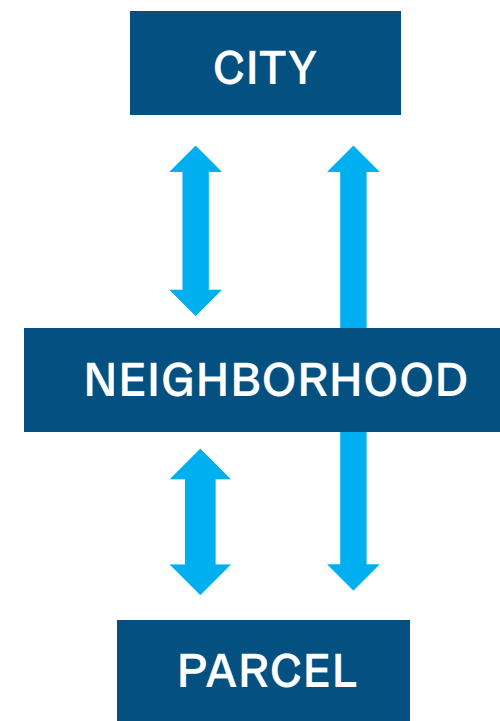
People & Partners



Our Principles

1. Create Value-Driven Solutions
2. Reinforce Assets
3. Layer Public Benefits
4. Strengthen Partnerships
5. Use Best Data
6. Share Knowledge and Resources

With partners at multiple scales



Values-Driven Initiative

Safe

Reducing risk and creating safe, reliable systems

Equitable

Create benefits for all, and support marginalized sectors of community

Natural

Repair & protect natural systems to sustain them for the future

Nimble

Adapt to change, new data, best practices

Heritage

Appreciate and support history and culture of local communities

Integrated

Connect systems strategically to yield multiple benefits

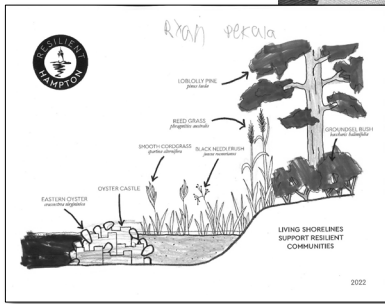
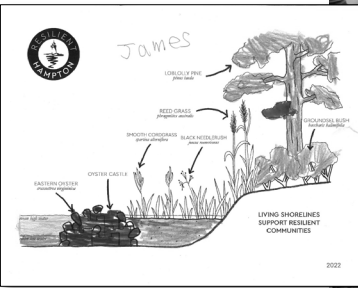
Sufficient

Leverage public/private investment to support local economy

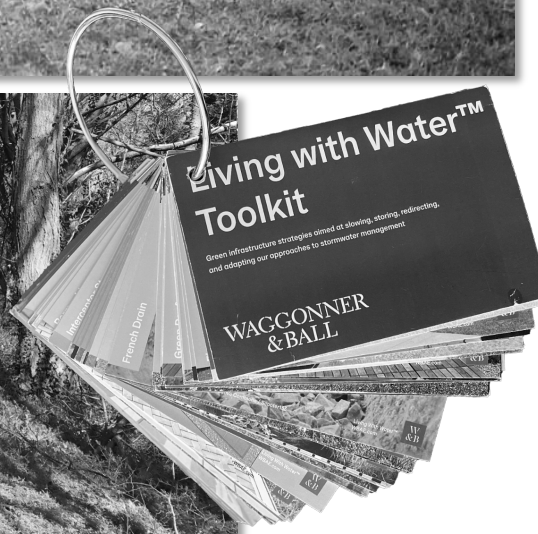
Innovative

Create forward-thinking solutions

stewardship and coastal resiliency



COMMUNITY BUILDING



2017

Living with Water Hampton:
A Holistic Approach to
Addressing Sea Level Rise
and Resiliency



2020

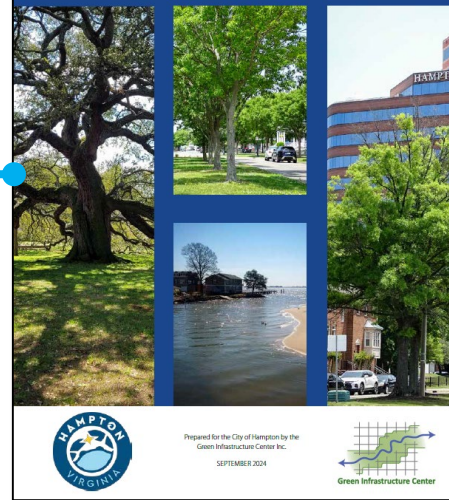
Resilient Hampton
Newmarket Creek Pilot Project Area
Water Plan



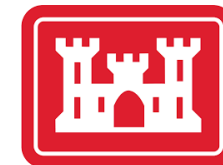
2024

A Natural Infrastructure
Resiliency Plan

for the City of
HAMPTON



2024



Peninsula
Coastal Storm
Risk Management
Study

PHASE I: City Wide

PHASE II: Watershed Level

2015

Dutch Dialogues, VA



2018

Hampton-Langley Air Force Base
Joint Land Use Study Addendum:
Resiliency and Adaptation



2022

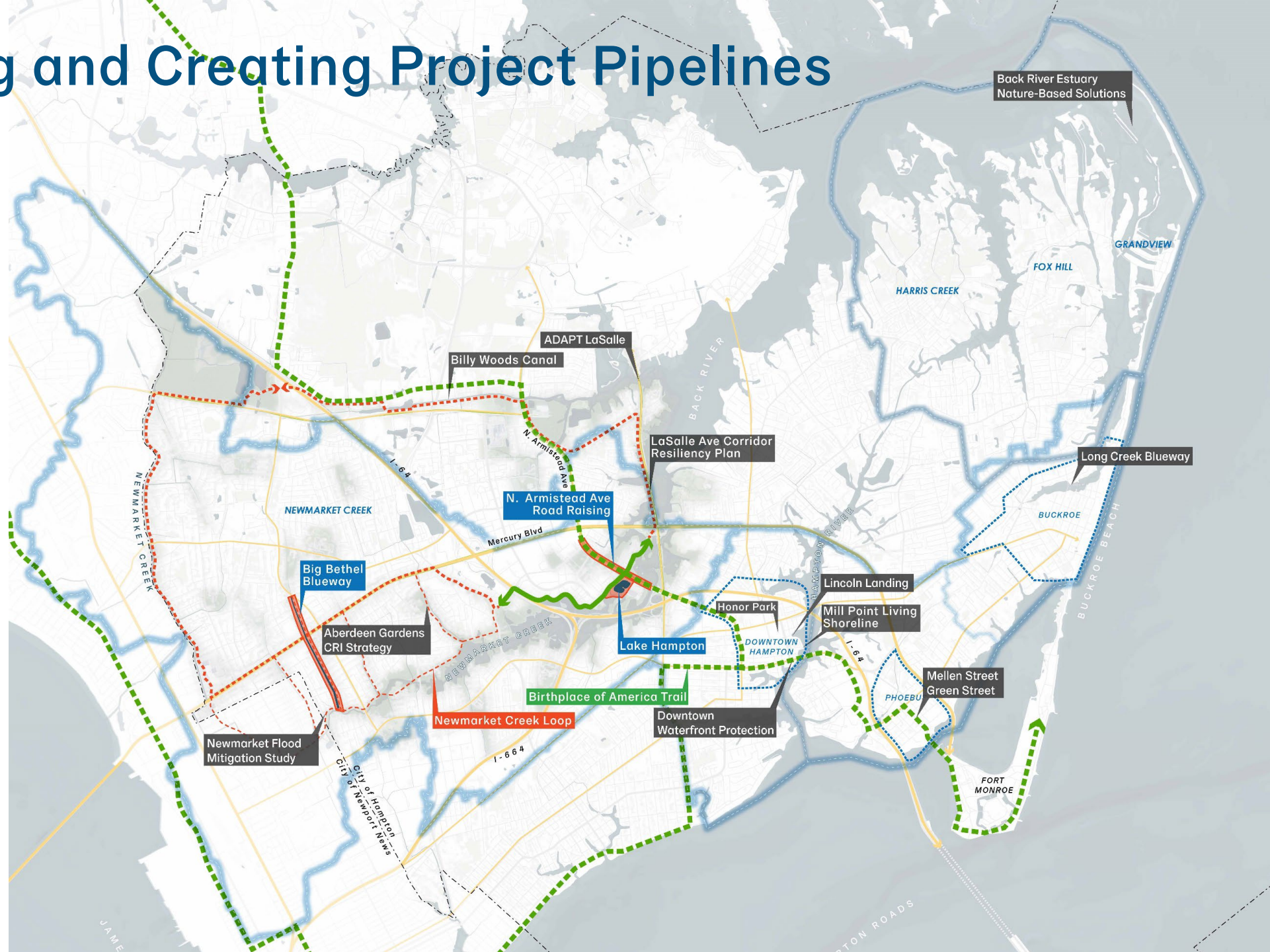
Downtown Hampton, Phoebus, & Buckroe
Water Plan



SUMMER 2025

Fox Hill,
Grandview, &
Harris Creek
Water Plan

Planning and Creating Project Pipelines



The Water Planning Process

Place-Based Analysis

Hampton's unique neighborhood's require specific analysis based on local conditions.

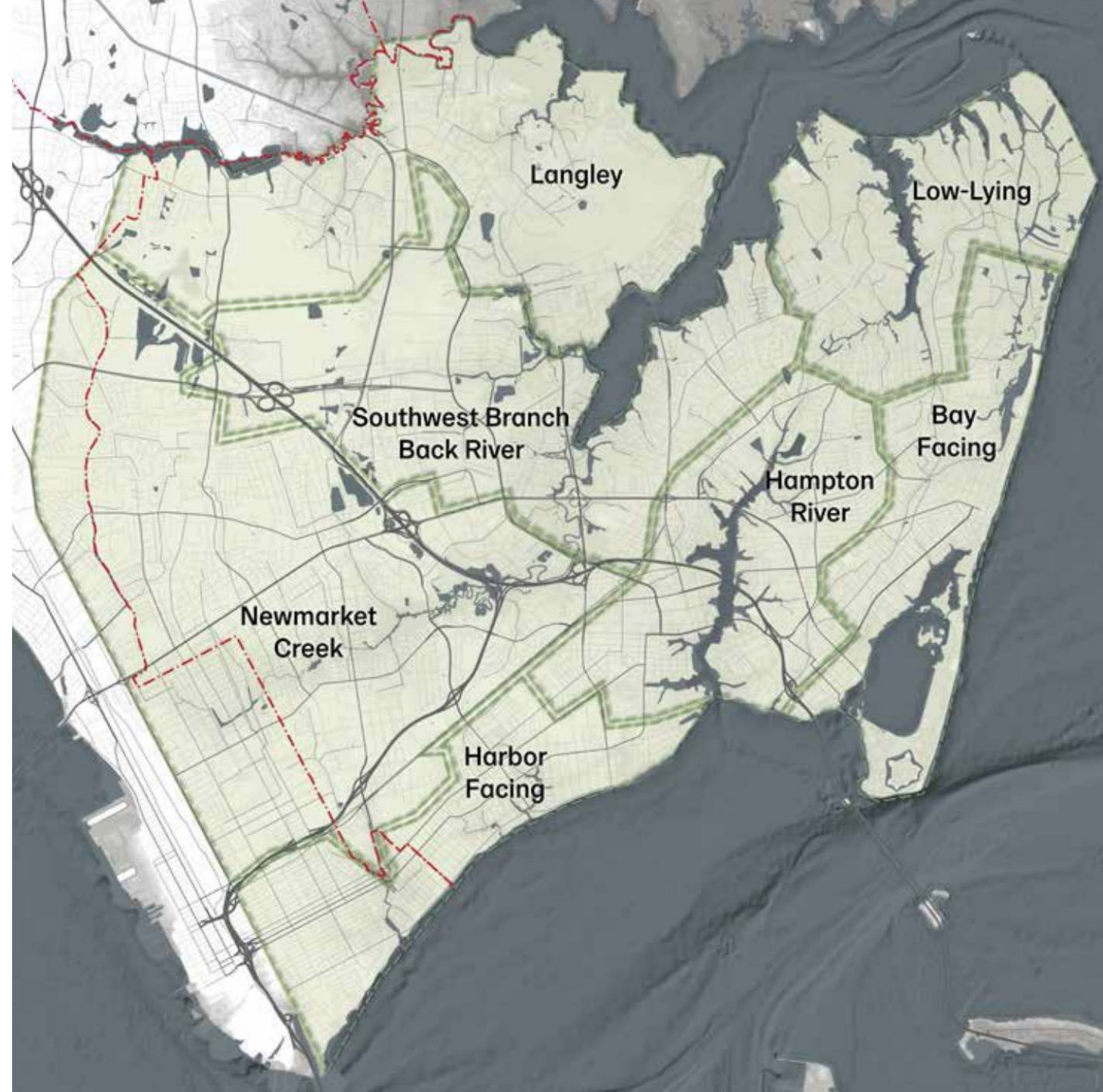
Elevation/Hydrology

Age of Infrastructure

Soil

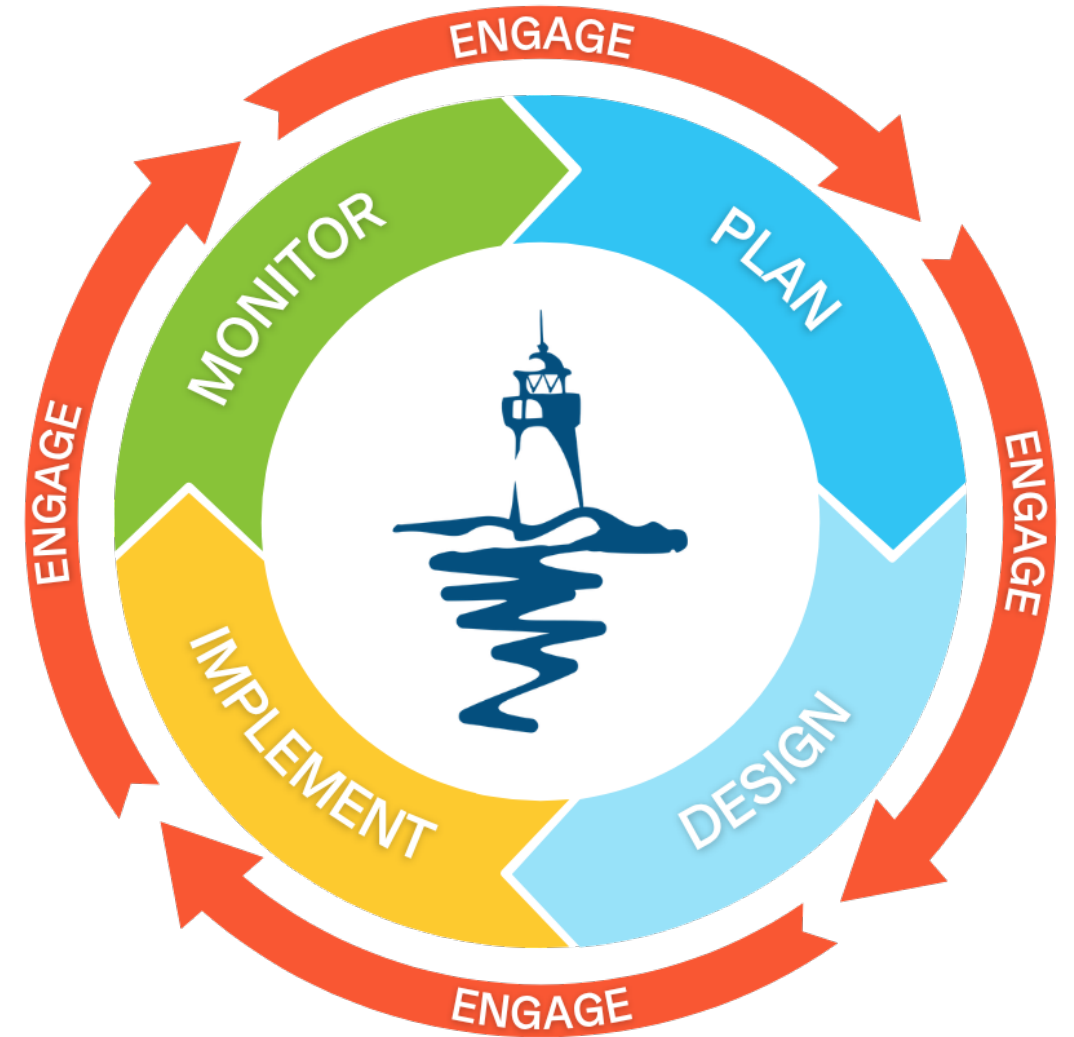
Development

Culture



The Water Plan

A watershed/neighborhood level **coastal resilience plan** to live and thrive with water

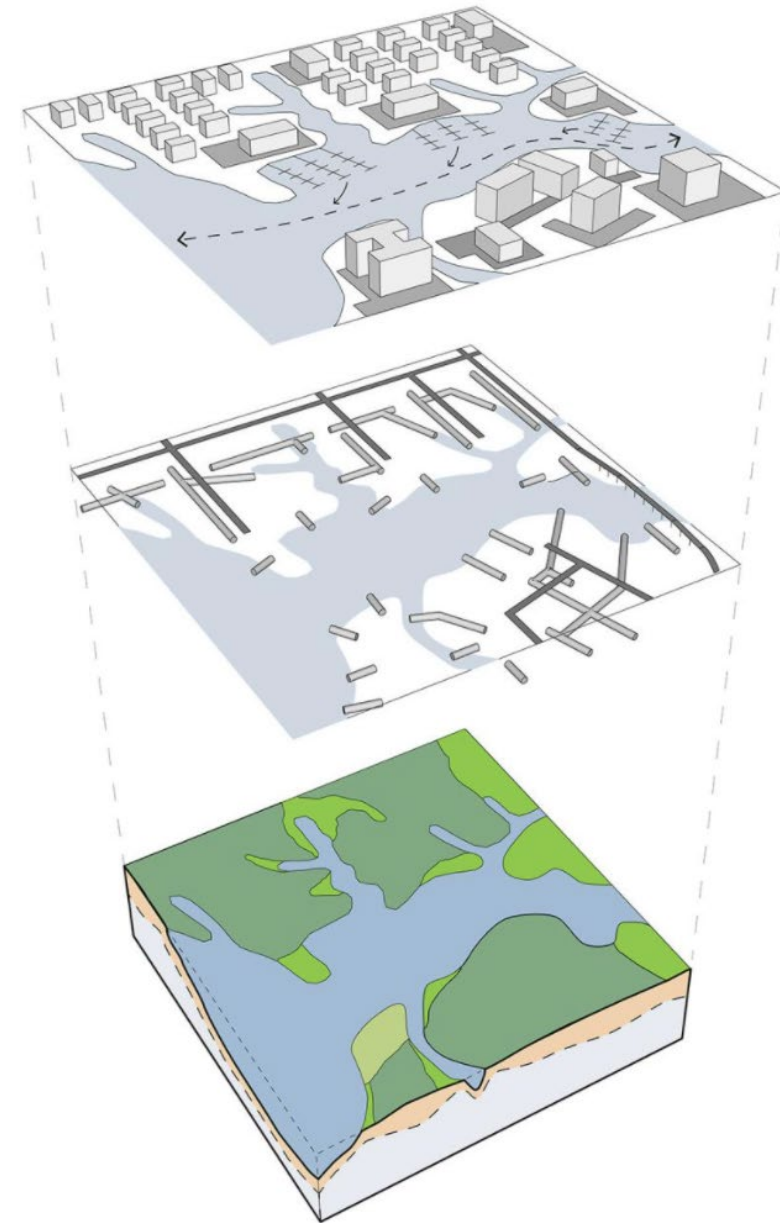


The Water Plan Purpose

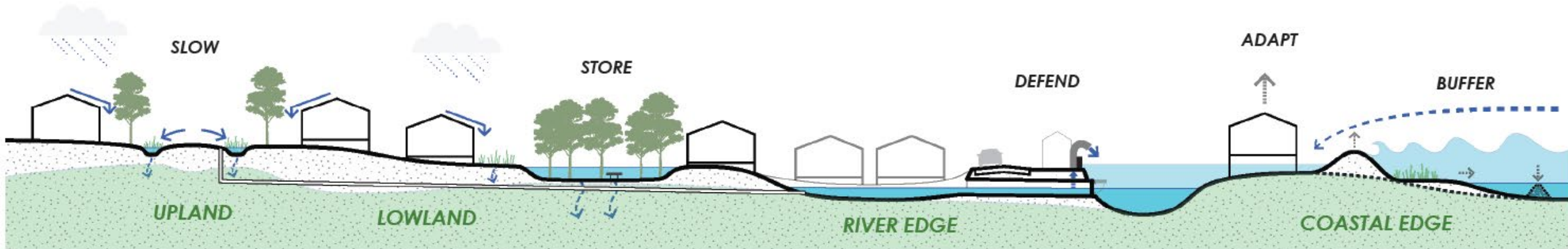
Analyzes the landscape and challenges, both physical & social

Establishes a vision for the future of the resilient watershed

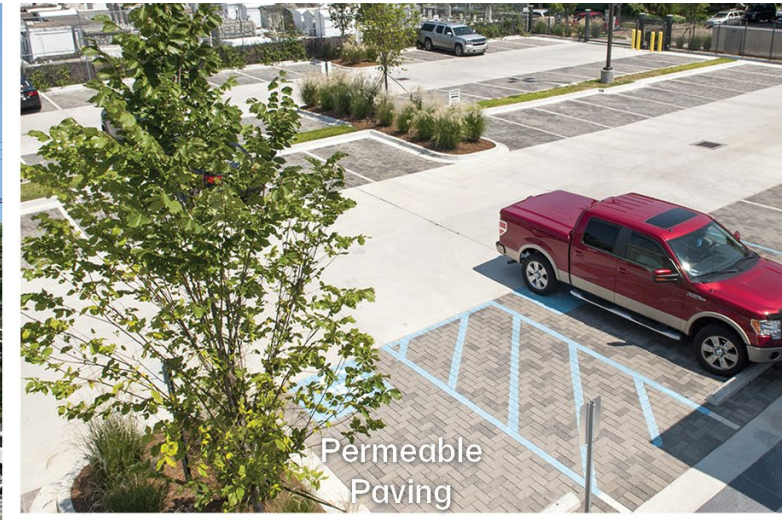
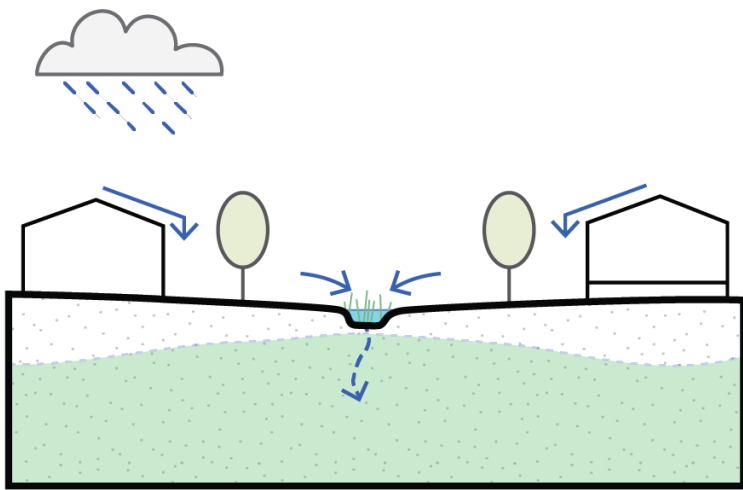
Identifies & presents projects to achieve the vision



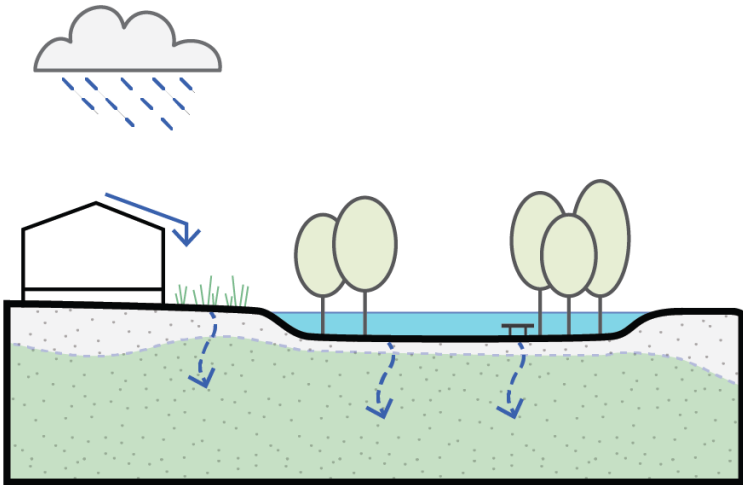
Resilience Design Strategies



SLOW



STORE



Cistern

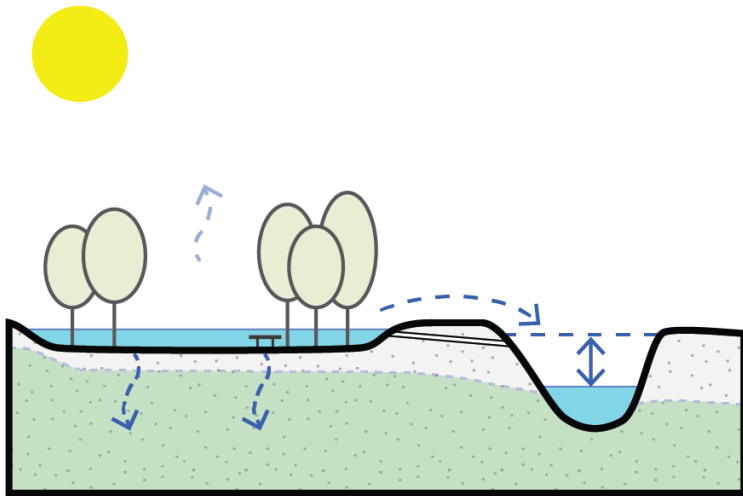


Stormwater Park



Underground Storage

REDIRECT



ADAPT



Click to add text

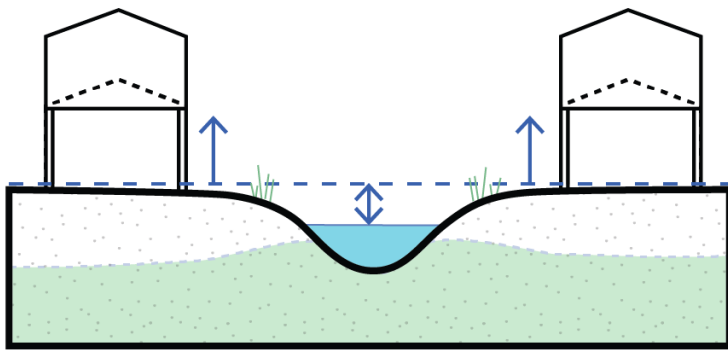
Elevated Building



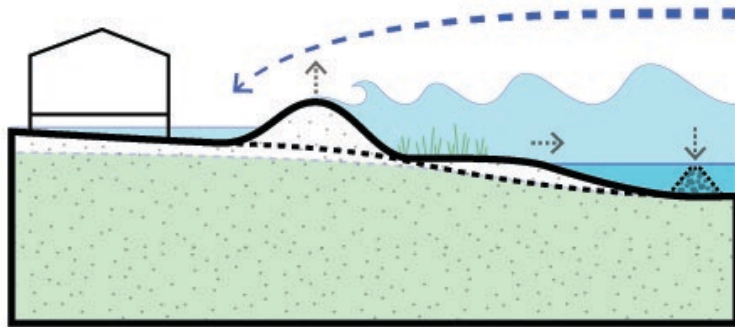
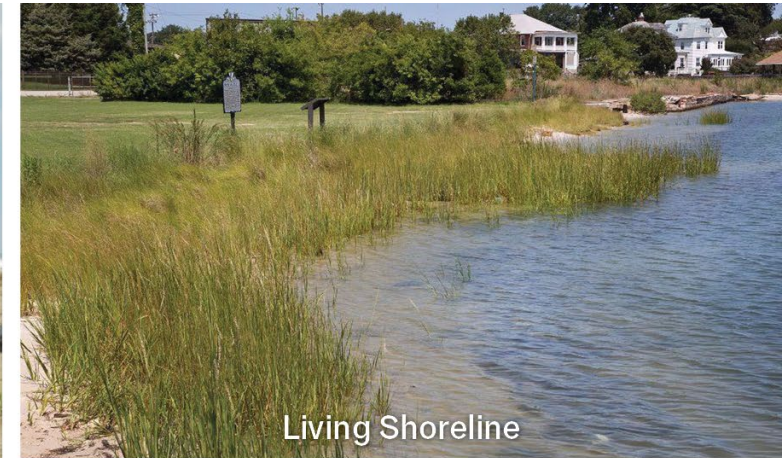
Floating Buildings



Elevated Road



BUFFER



PROTECT



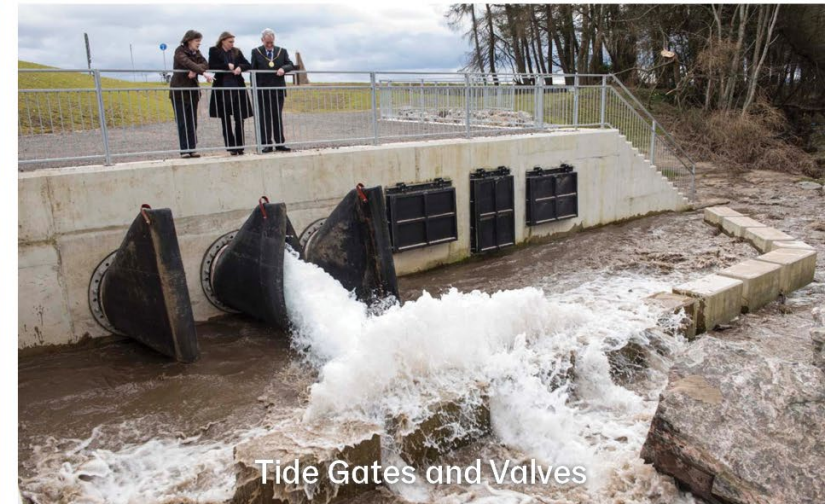
Berms and Levees



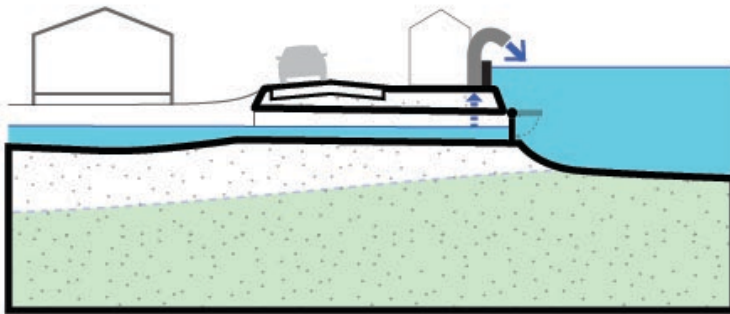
Drainage Pumps



Seawalls and Floodwalls



Tide Gates and Valves



Fox Hill, Grandview, & Harris Creek

Leveraging Funding Sources

*This project received funding from the Virginia Community Flood Preparedness Fund Grant Program through the Virginia Department of Conservation and Recreation (DCR), via **CFPF-24-04-29**.*

Portions of this project are funding through the National Fish and Wildlife Federation's (NFWF) National Coastal Resilience Fund and the Department of War. The views and conclusions expressed in this report should not be interpreted as representing the opinions or policies of the U.S. Government or NFWF.



Study Area

LEGEND

-  Project Areas
-  School Board Owned Property
-  City Owned Property
-  National Wetlands Inventory
-  City Parks
-  Grandview Nature Preserve

1
MILES



Grandview Island



Credit: VA Sea Grant



Fox Hill



Credit: VA Sea Grant



Credit: VA Sea Grant

Harris Creek



Flooding Events

- Hurricanes & tropical storms



Flooding Events

- Nuisance & sunny day flooding
- Nor'easters



Present Day Flood Risk

Legend

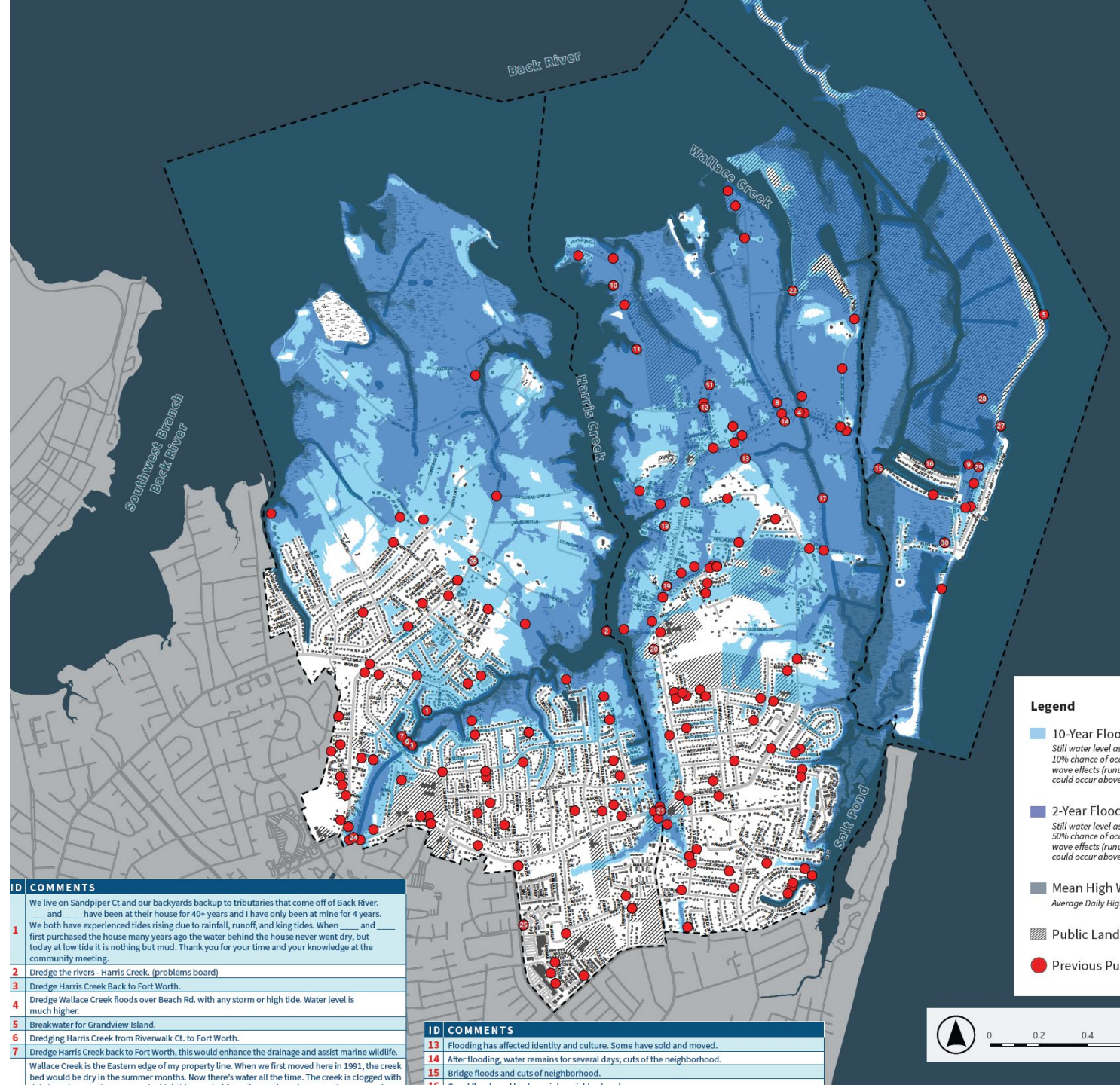
- 10-Year Flood Event**
Still water level associated with a 10% chance of occurrence each year; wave effects (runup and overtopping) could occur above this elevation.

- 2-Year Flood Event**
Still water level associated with a 50% chance of occurrence each year; wave effects (runup and overtopping) could occur above this elevation.

- Mean High Water (MHW)**
Average Daily High Tide

- Public Land**

- Previous Public Comments**



Legend

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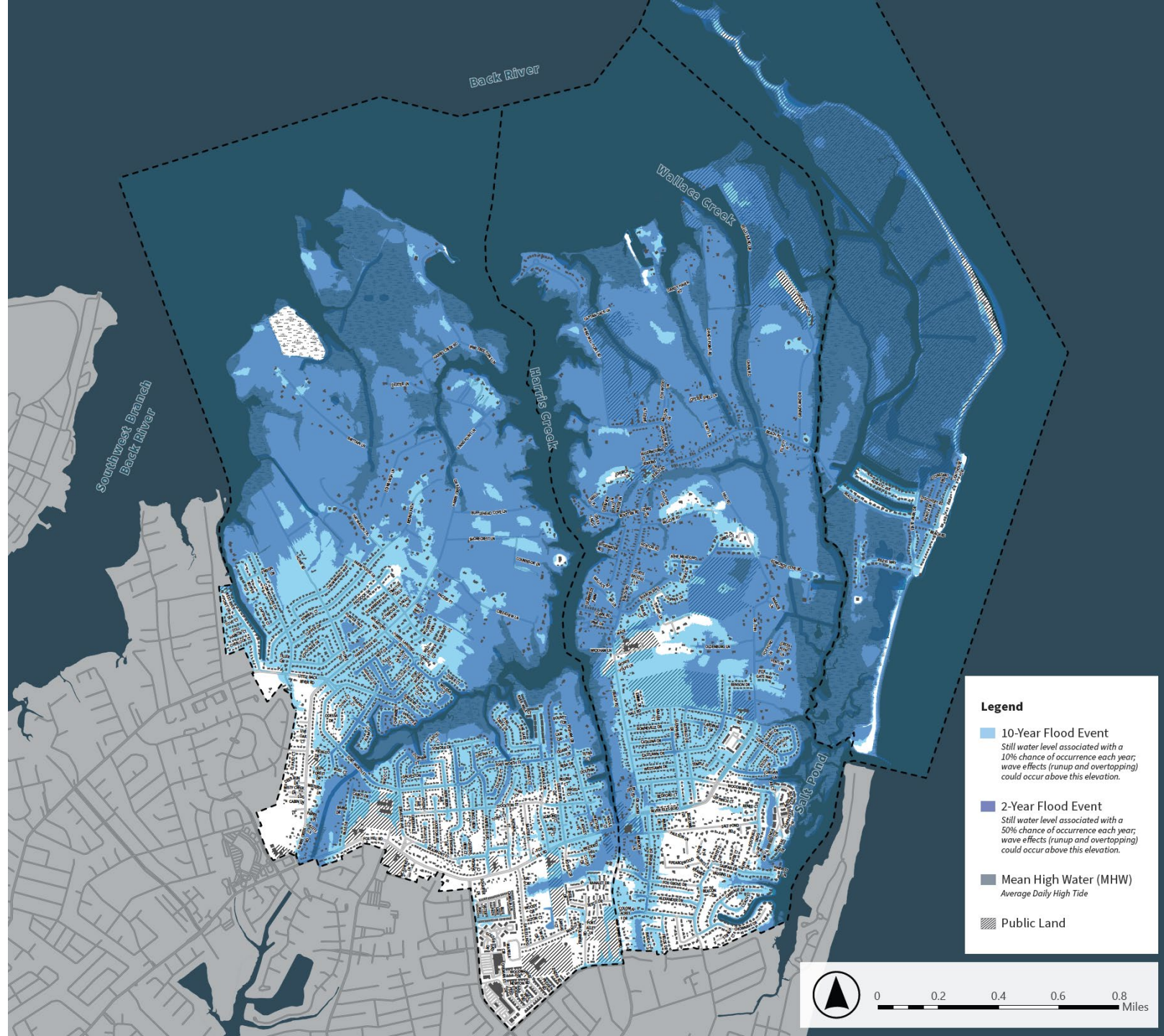
ID	COMMENTS
1	We live on Sandpiper Ct and our backyards backup to tributaries that come off of Back River. ___ and ___ have been at their house for 40+ years and I have only been at mine for 4 years. We both have experienced tides rising due to rainfall, runoff, and king tides. When ___ and ___ first purchased the house many years ago the water behind the house never went dry, but today at low tide it is nothing but mud. Thank you for your time and your knowledge at the community meeting.
2	Dredge the rivers - Harris Creek. (problems board)
3	Dredge Harris Creek Back to Fort Worth.
4	Dredge Wallace Creek floods over Beach Rd. with any storm or high tide. Water level is much higher.
5	Breakwater for Grandview Island.
6	Dredging Harris Creek from Riverwalk Ct. to Fort Worth.
7	Dredge Harris Creek back to Fort Worth, this would enhance the drainage and assist marine wildlife.

ID	COMMENTS
13	Flooding has affected identity and culture. Some have sold and moved.
14	After flooding, water remains for several days; cuts of the neighborhood.
15	Bridge floods and cuts of neighborhood.

Future Flood Risk - 2040





Legend

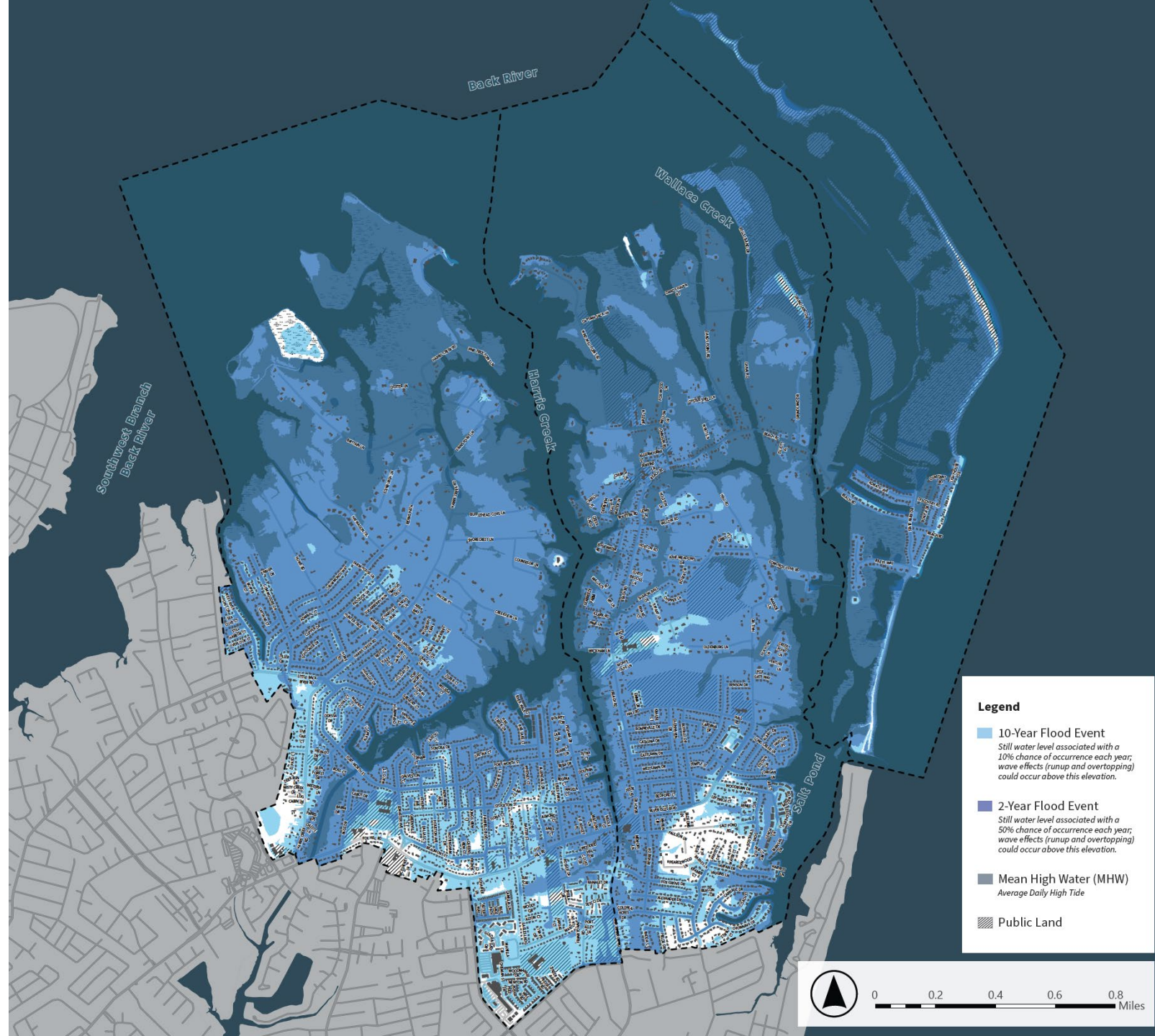
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-  Mean High Water (MHW)
Average Daily High Tide
-  Public Land







Future Flood Risk - 2060

Legend

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-  Mean High Water (MHW)
Average Daily High Tide
-  Public Land

What We've Heard

The Water Plan Schedule



Summer-Fall 2025 Community Engagement

- **Community Interviews (July-August)**
 - Conducted 23 interviews with Fox Hill, Grandview Island, and Harris Creek community members
- **Open House Meetings (October-November)**
 - Held three open-house meetings at the Fox Hill Neighborhood Center with over 160 attendees

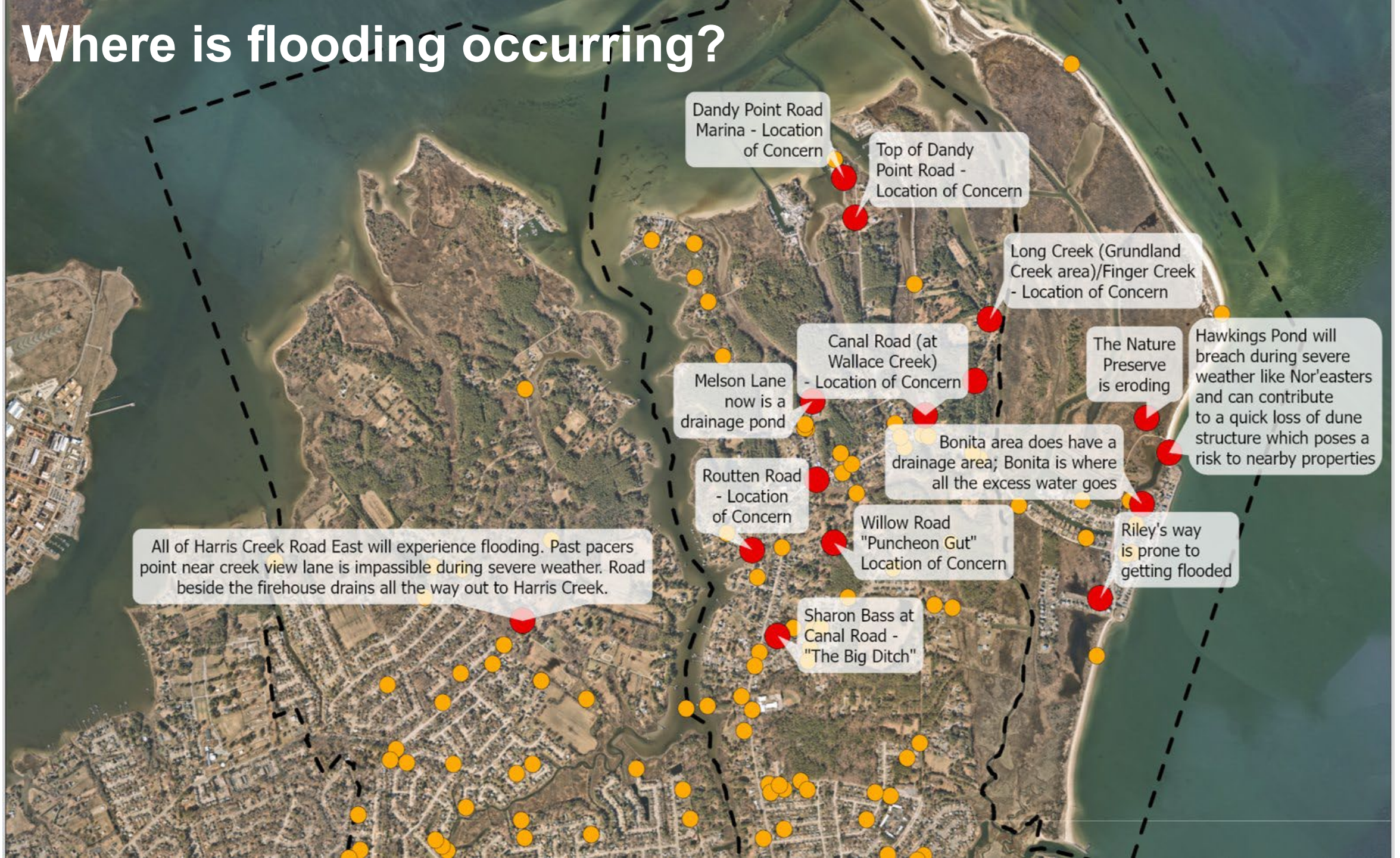


What We Asked

- Where is it flooding?
- Why do you think it is flooding?
- What areas should be conserved?
- What is an asset in your community?
- How has flooding impacted your daily life?
- What types of resilience strategies are you interested in?



Where is flooding occurring?



Community Feedback Themes

- **Flooded Roads:** Roadways are flooding, making travel difficult and sometimes dangerous
- **Restricted Access:** When roads flood, neighborhoods routinely become isolated and inaccessible by emergency services.
- **Infrastructure Maintenance:** There is a perception that lack of maintenance on ditches and pipes is contributing to flooding.
- **Shoreline Erosion:** Erosion from coastal storms and higher tides are impacting community assets, including beaches and wetlands.
- **Property Damage:** Floodwaters can enter homes, garages, and crawlspaces, causing damage to property and vehicles.

Where We're Going

Design Workshops & Gallery Walks (April 28th- 30th) @ Fox Hill Neighborhood Center

- **Objective:** Develop a suite of conceptual resilience strategies that incorporates community feedback, vulnerability analysis, and meets the goals of the Water Plan.
- **Day 1 – Coastal Nature Based Strategies**
- **Day 2 – Hybrid Infrastructure Strategies**
- **Day 3 – Policy: From Design to Implementation**

There will be a Public Gallery Walk every evening (5:30-7:30 PM) to share the work that is completed each day

The Water Plan Schedule



Thank You!

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SCAN TO SIGN UP FOR OUR
NEWSLETTER