RESILIENT HAMPTON HAMPTON VA WAGGONNER & BALL Bosch Slabbers moffatt & nichol

History

Resilient Hampton, 2015 - now

Resilient Hampton is an opportunity for the City of Hampton, its residents, and its partners to advance leadership in the resilience field.

- **Dutch Dialogues Virginia (2015)**
- **Resilient Hampton Phase I (2018)**
- **Hampton-Langley JLUS Addendum (2018)**
- **Resilient Hampton Phase II (2018 - current)**
- **Resilient Hampton Phase III (2021 – current)**

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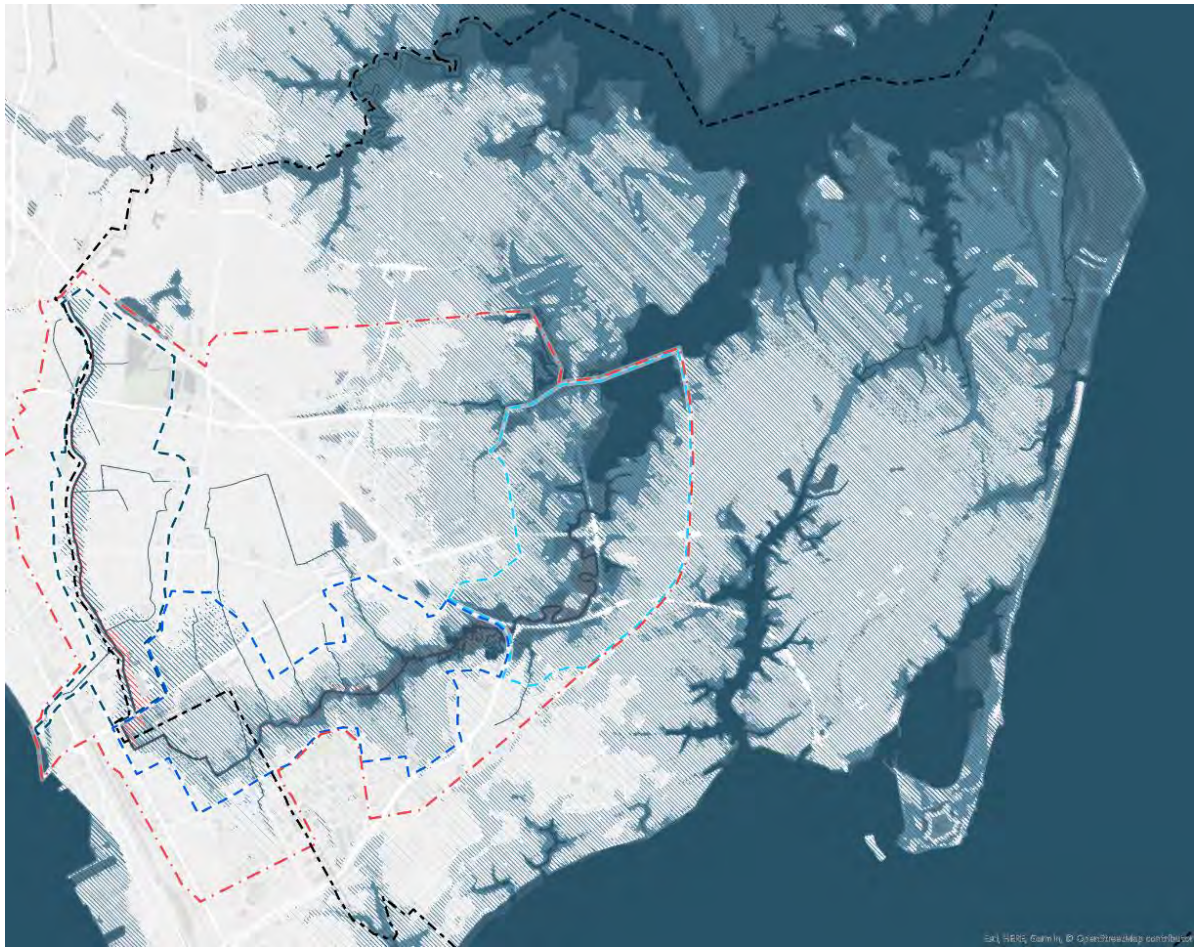
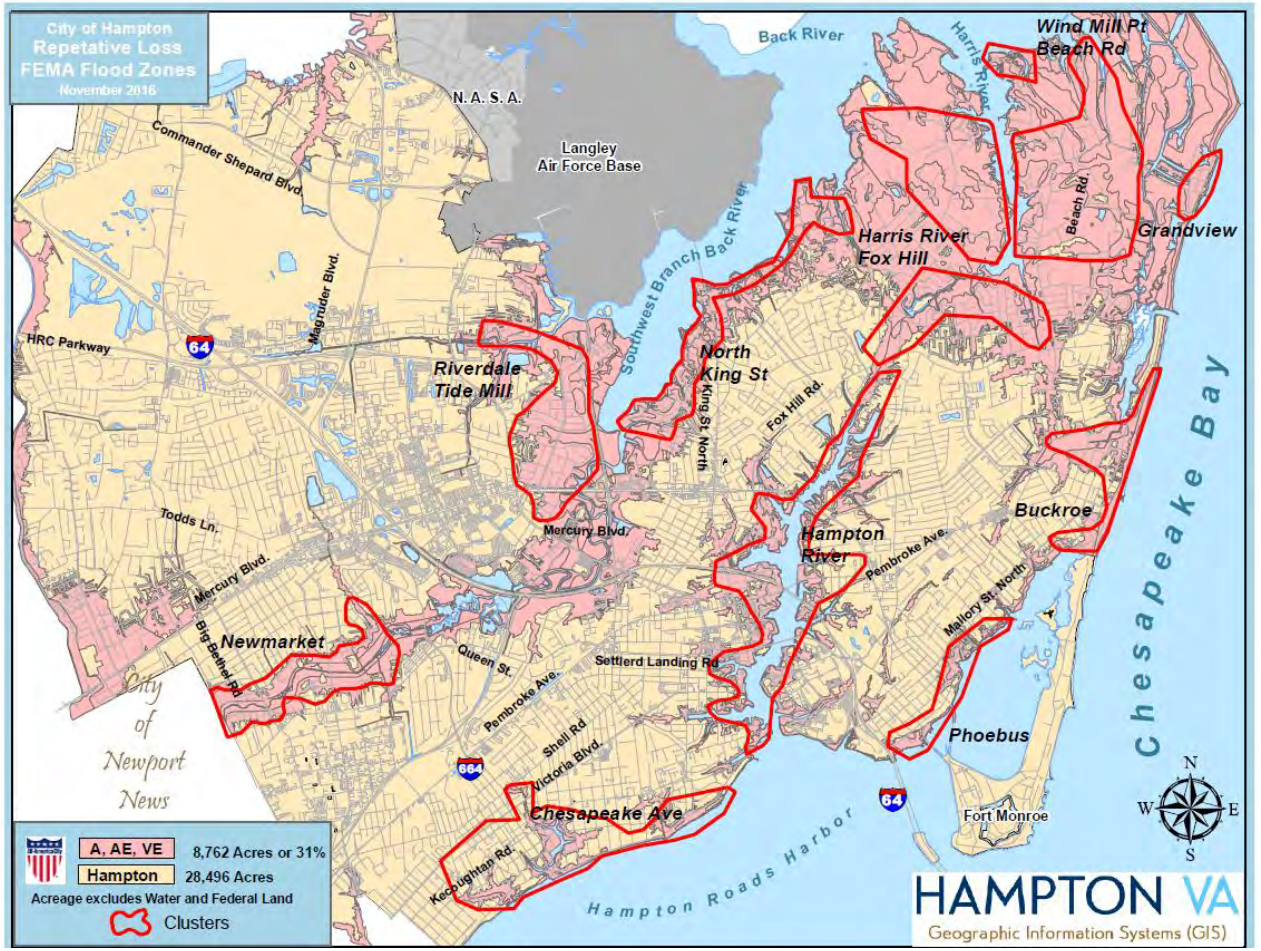
Impacts of Sea Level Rise

Floodplain with 4.5 feet of Sea Level Rise per HRPDC projection for 2100





Today's flooding properties (in red)

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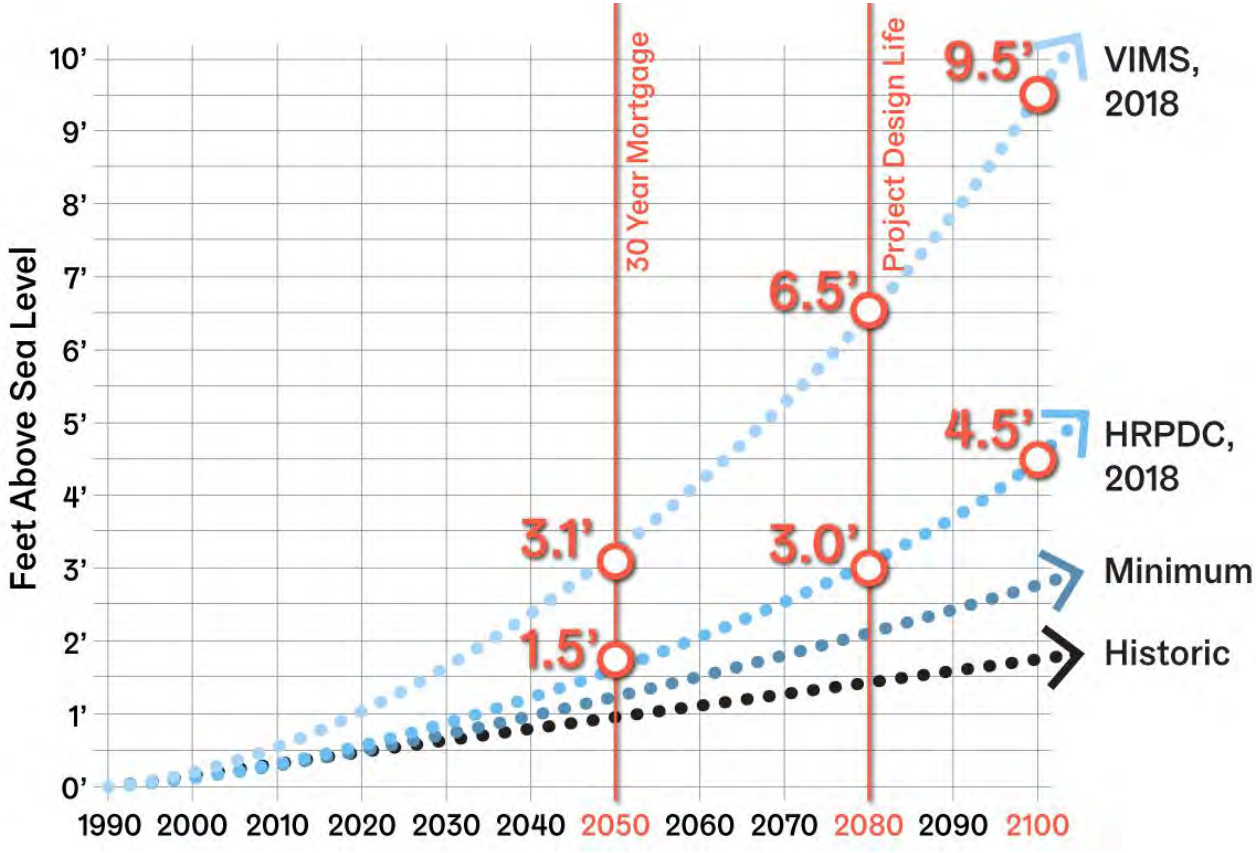
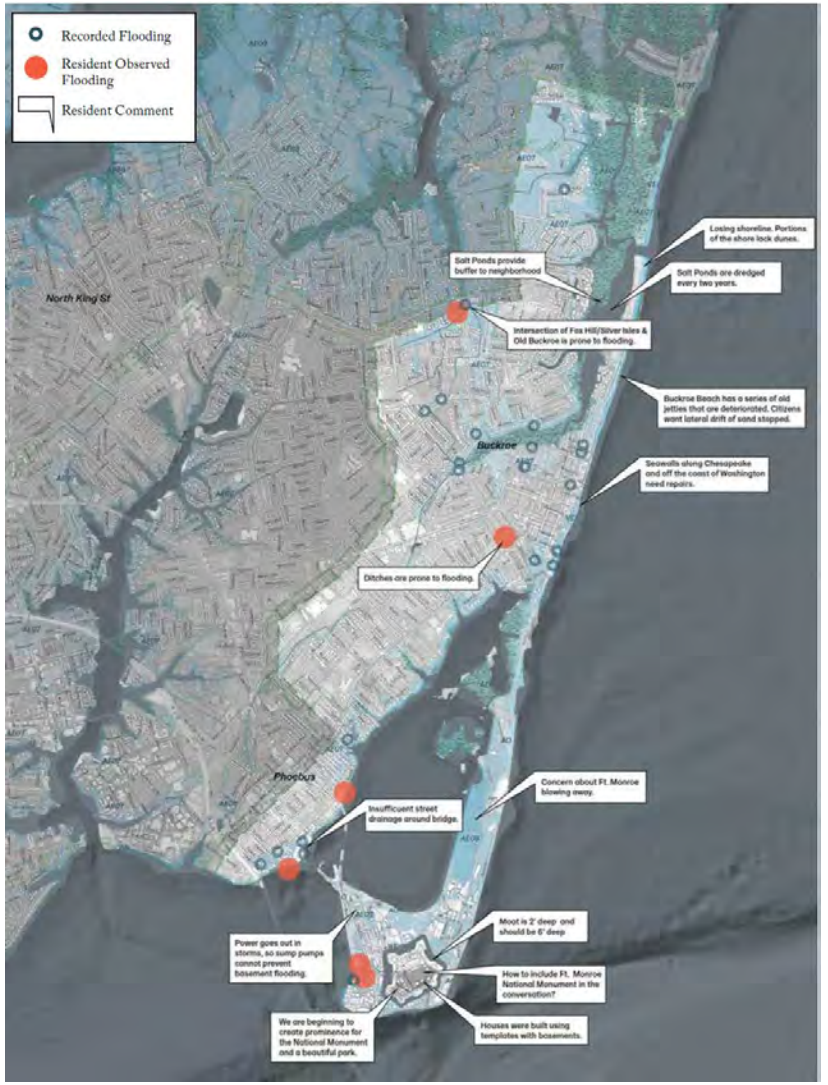
The Science of the Challenge

Forces of Water and Sea Level Rise



Places & People



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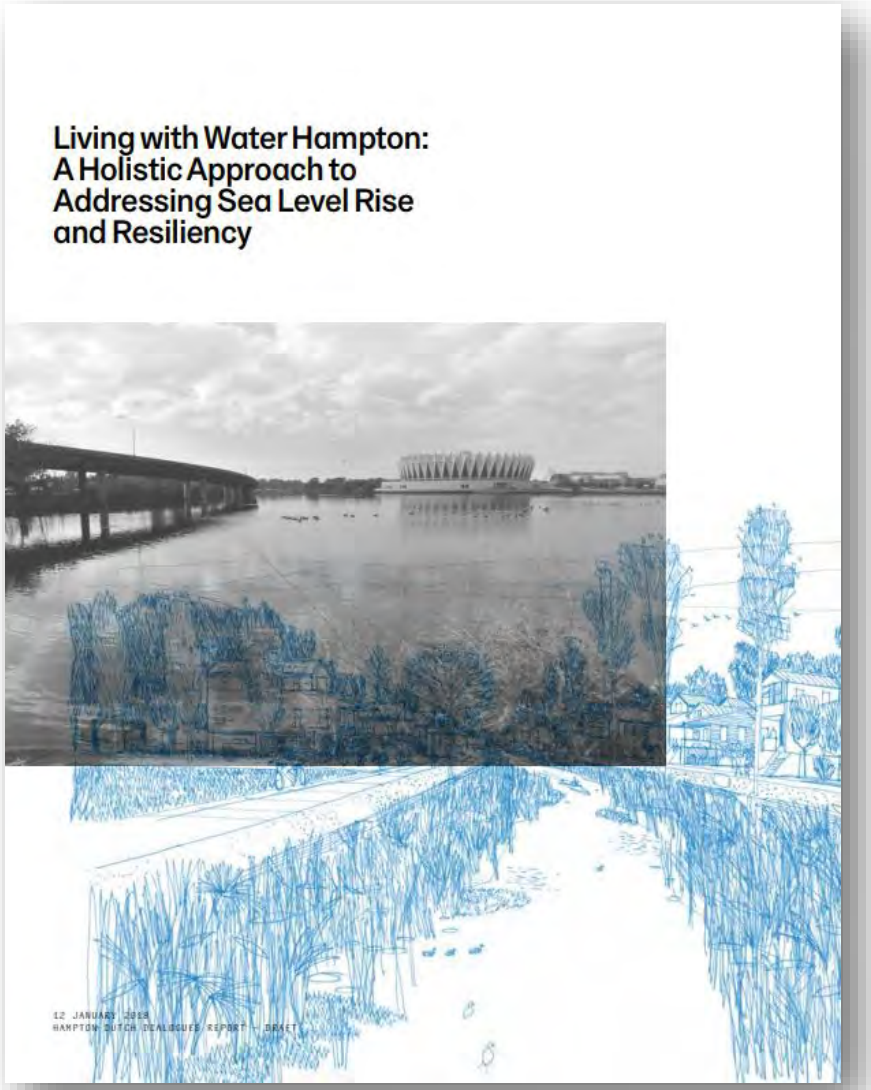
Resilient Hampton



ADDRESS THE CHALLENGE

EMBRACE THE INITIATIVE

ADOPT RESILIENCE STANDARDS

SOLUTIONS AT MULTIPLE SCALES

EDUCATE COMMUNITY

FOLLOW GUIDING PRINCIPLES

EVALUATE

LEAD THE WAY

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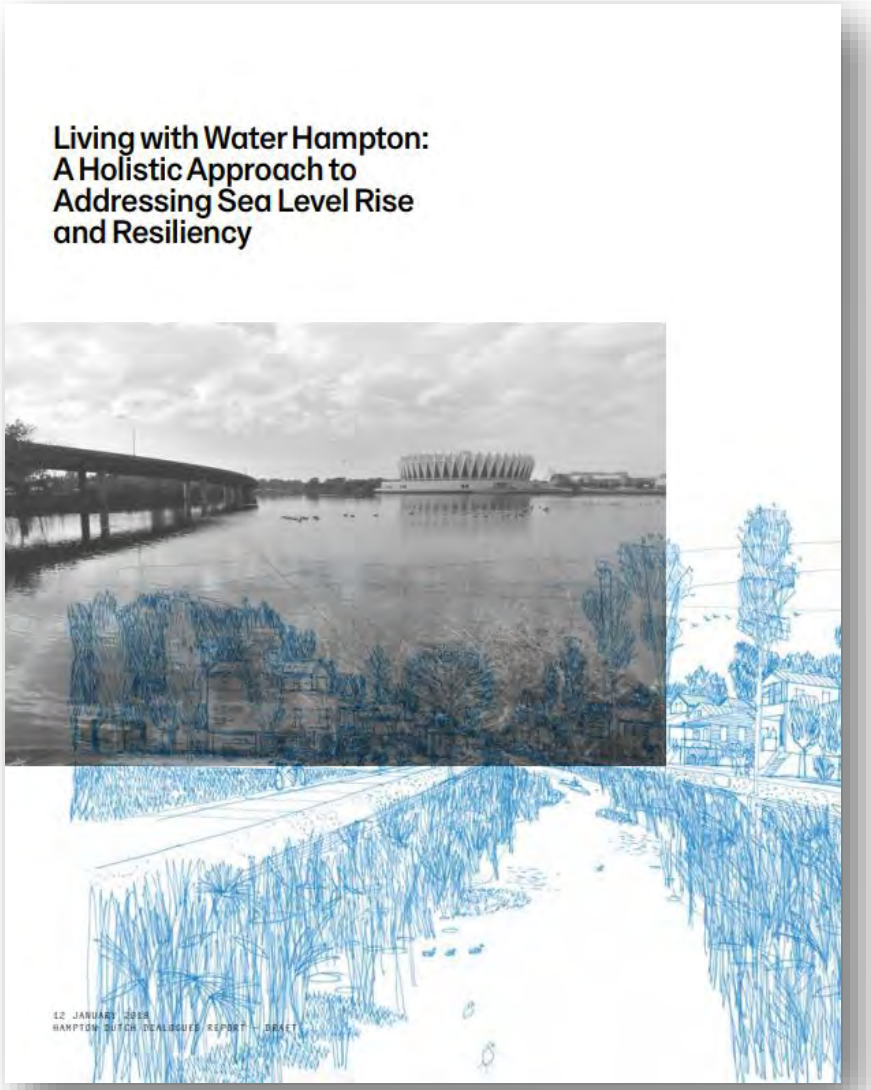
Principles



CREATE VALUE DRIVEN SOLUTIONS

REINFORCE ASSETS

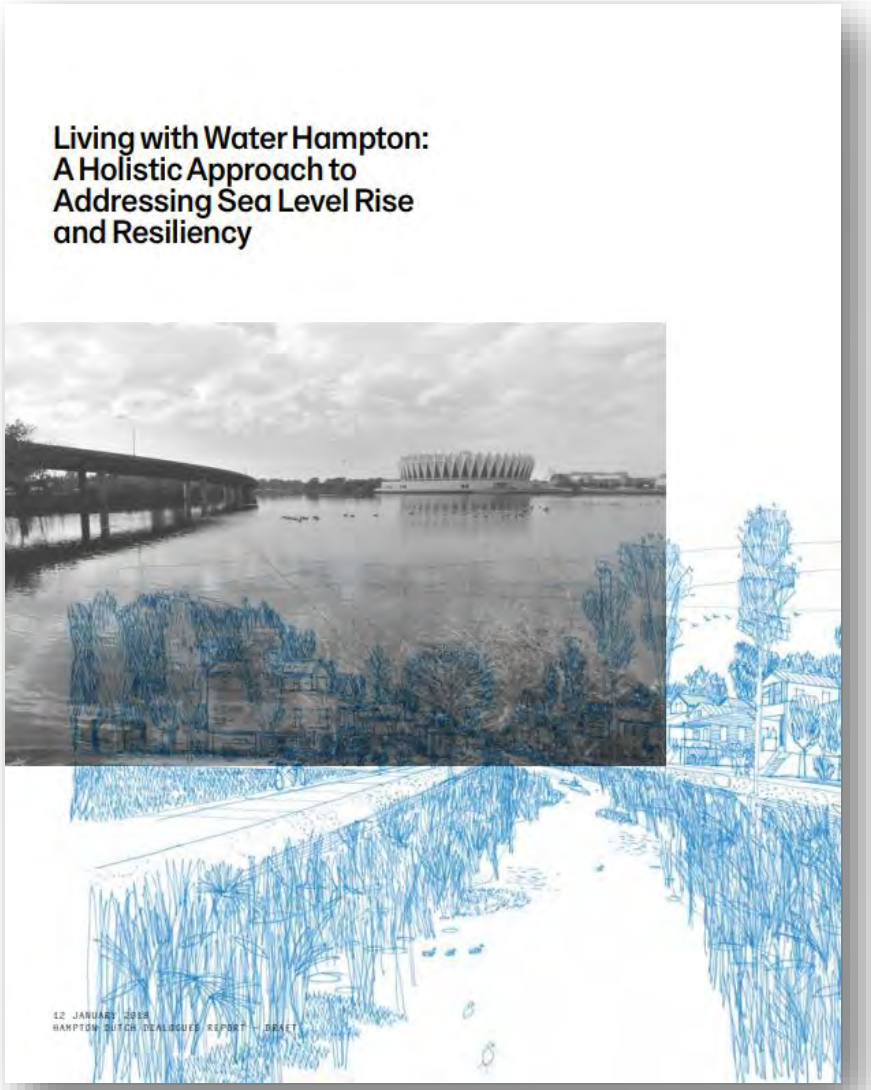
LAYER PUBLIC BENEFITS

STRENGTHEN PARTNERSHIPS

USE BEST DATA

SHARE KNOWLEDGE AND RESOURCES

Values



SAFE

EQUITABLE

NATURAL

HERITAGE

INTEGRATED

SUFFICIENT

NIMBLE

INNOVATIVE

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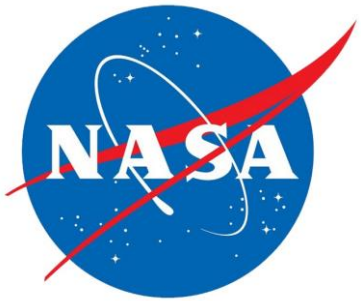
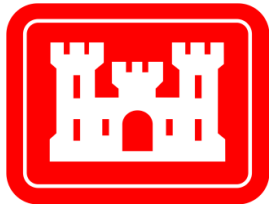
Partnerships





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HAMPTON VA

WAGGONNER & BALL

Bosch Slabbers

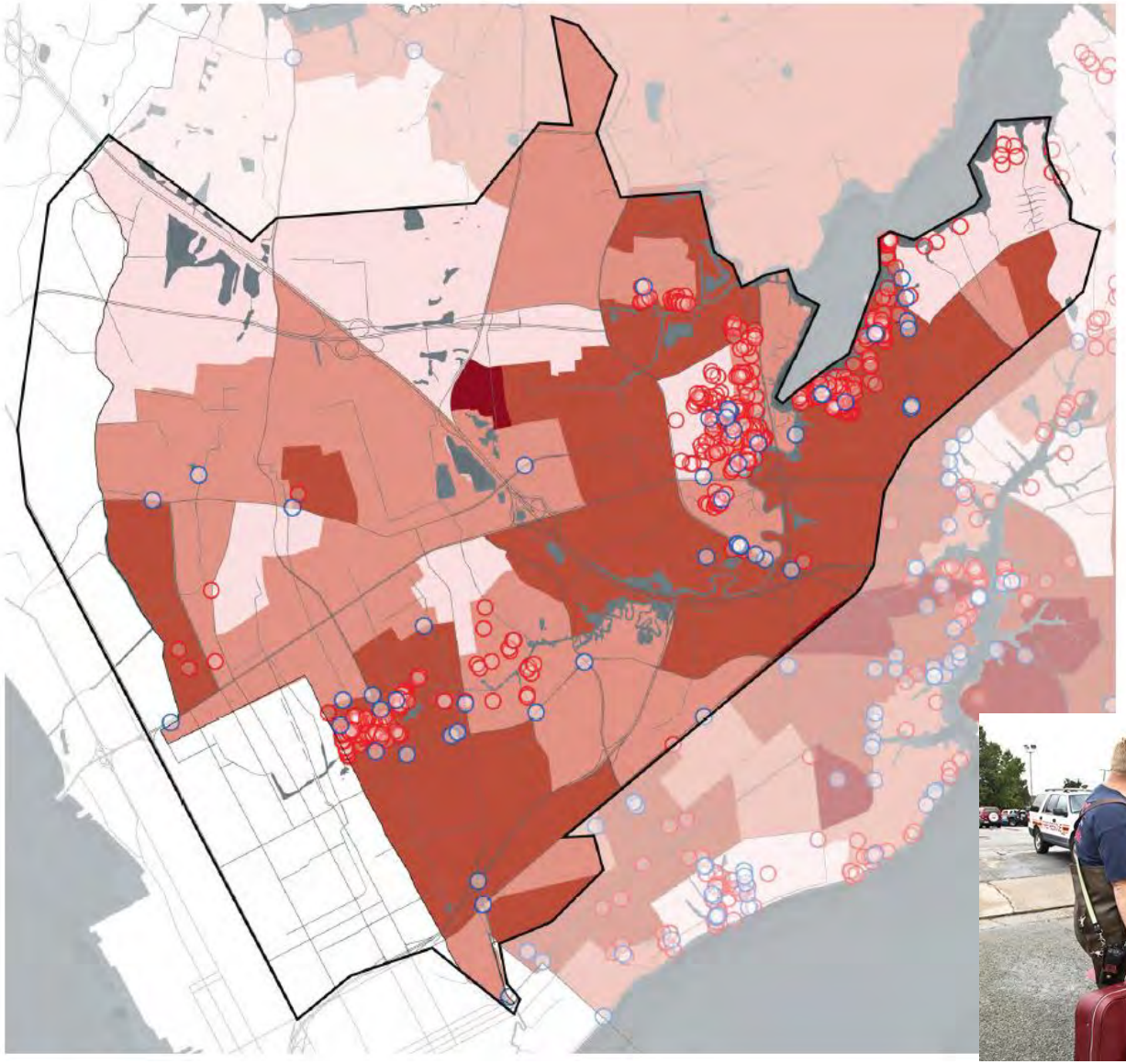
moffatt & nichol

Phase II Community Outreach

Design Workshop, January 2019

Community Meeting, January 2019

Flood Risk and Income



Flooded street
Repetitive Loss property

75-82%* Low-Moderate Income
50-75% Low-Moderate Income
25-50% Low-Moderate Income
0-25% Low-Moderate Income

*maximum value

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Slow, Store, Redirect & Adapt

SLOW

Tree canopy, rain gardens, rain barrels, less impervious

STORE

Space for water as community assets

REDIRECT

During high tide, temporary

ADAPT

Where water wants to go, avoid future flooding

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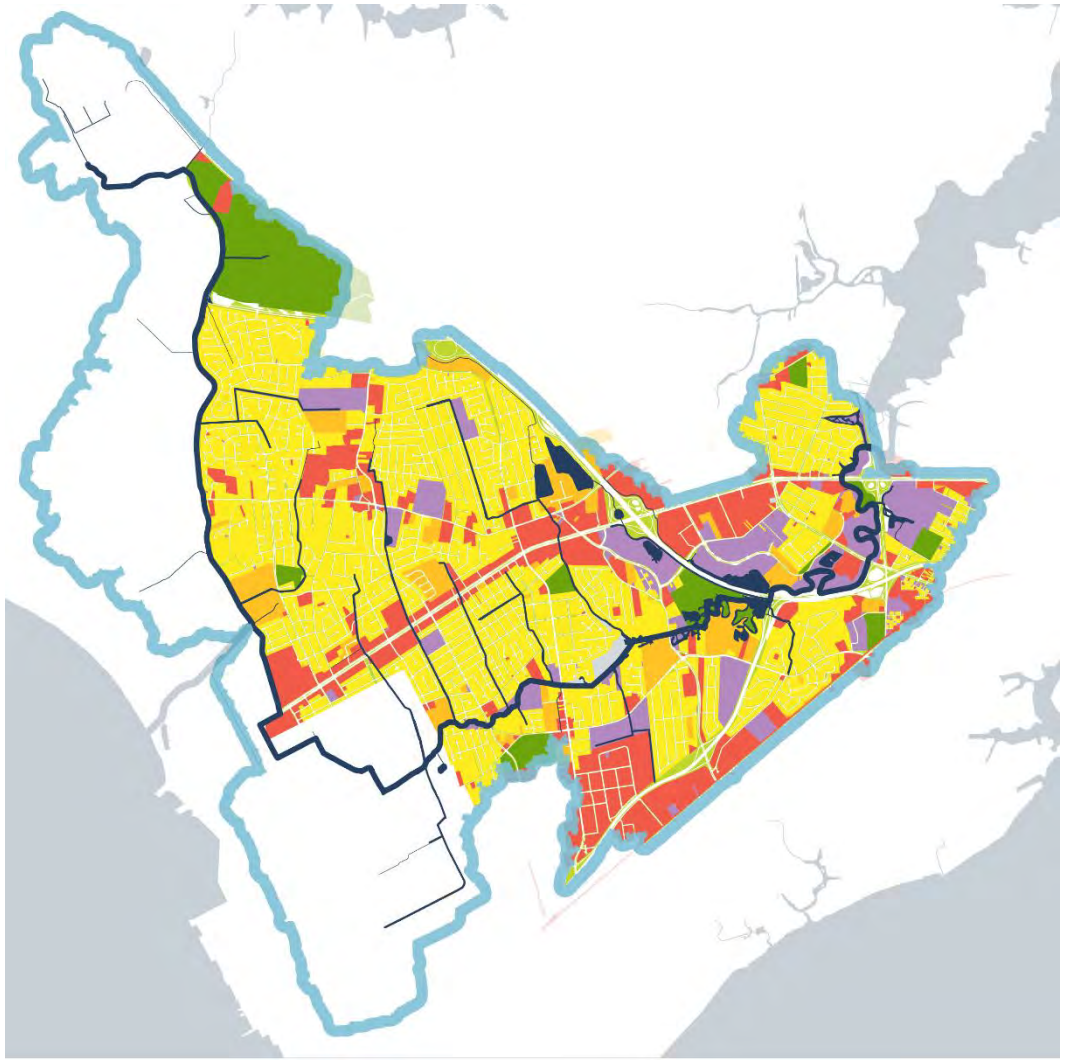
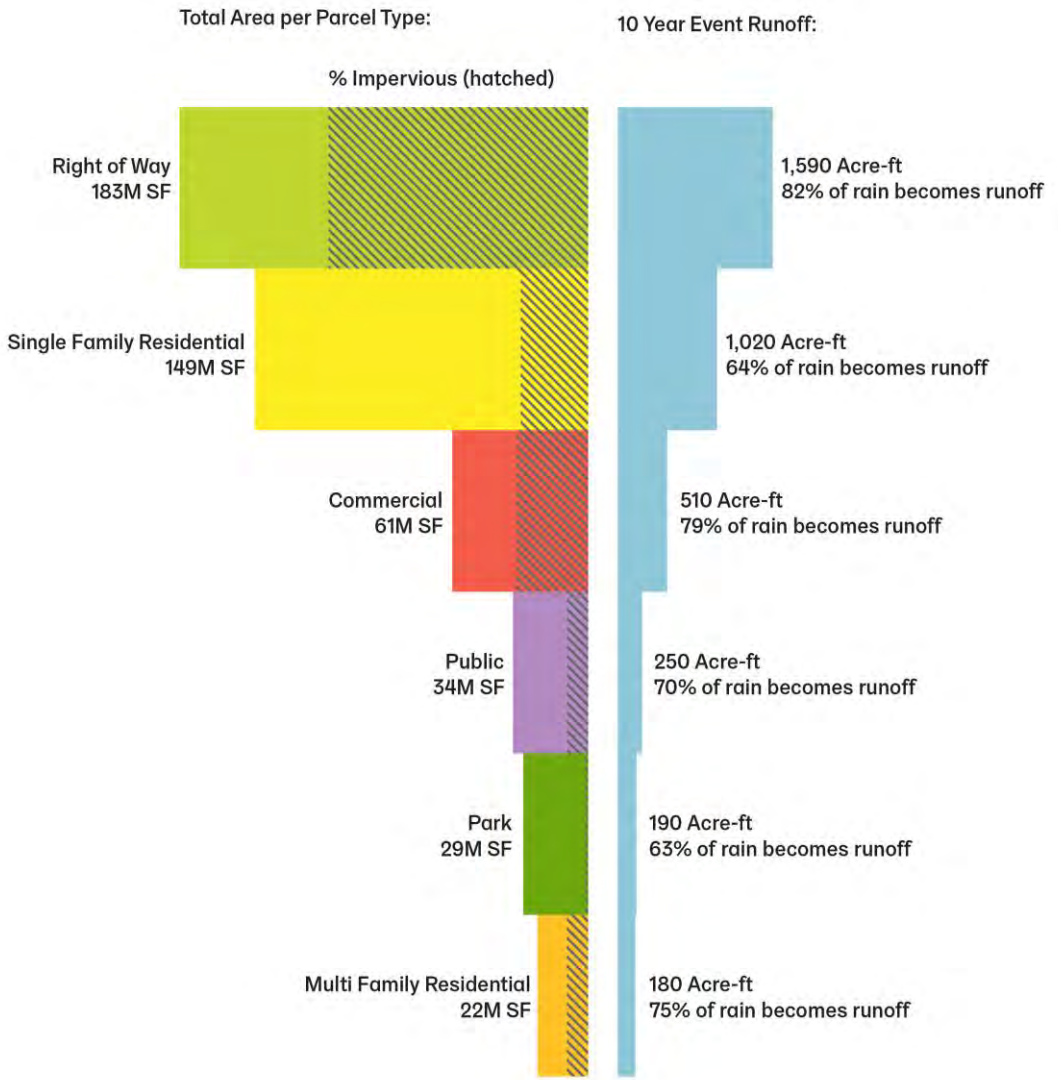
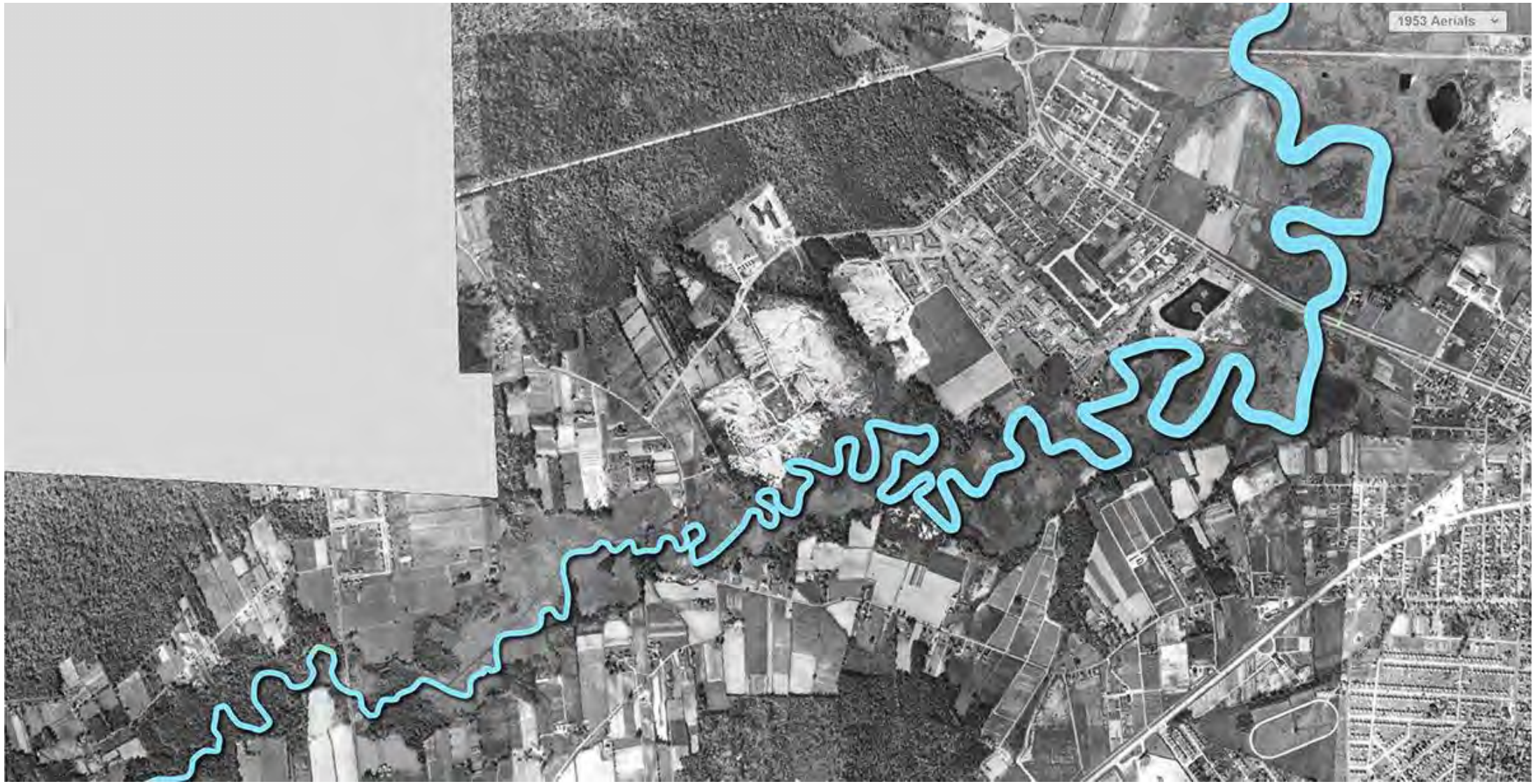
Runoff



Land Use in Newmarket Creek Watershed

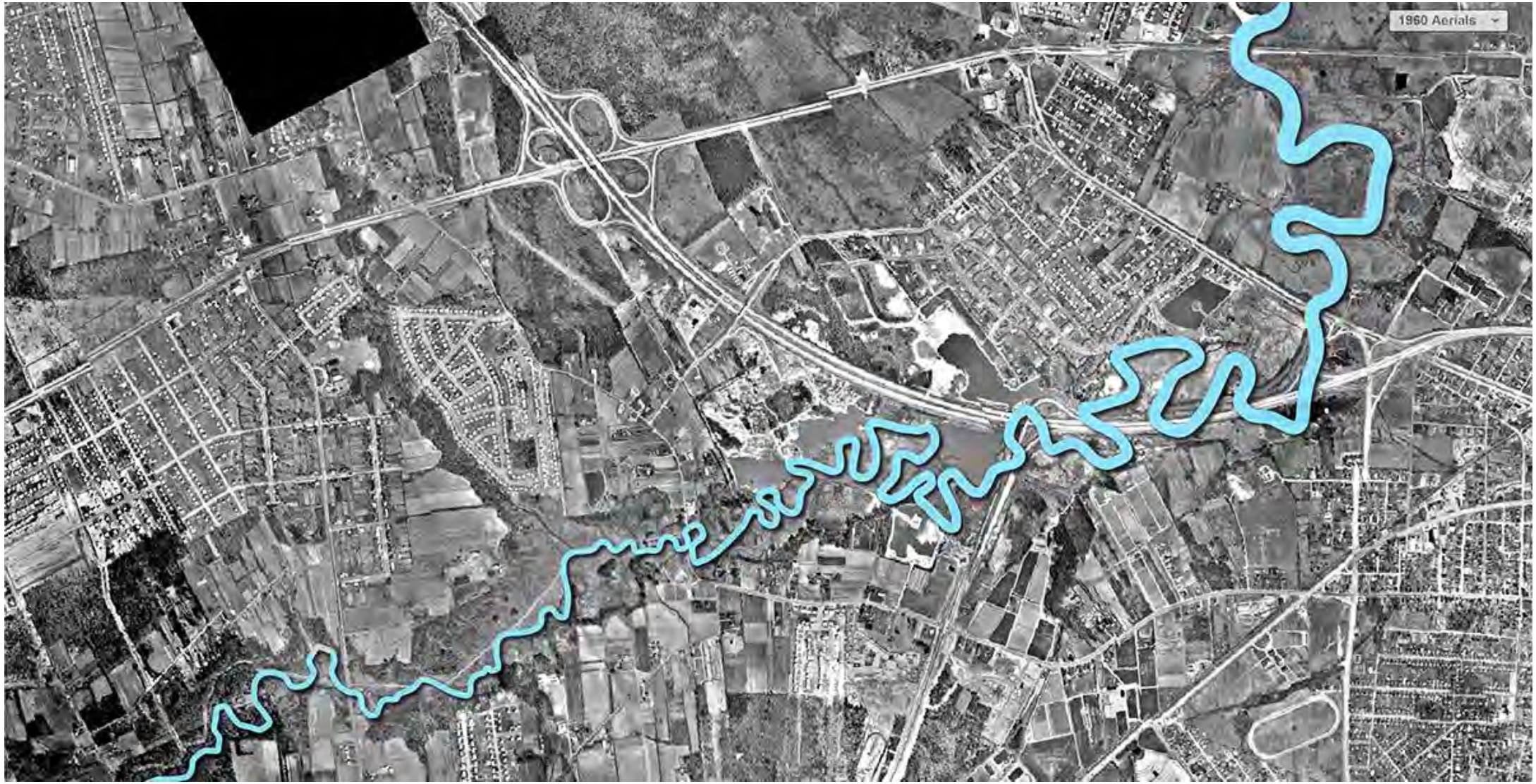


History of Development



1953

History of Development



1960

History of Development

2013

Pilot Project: Big Bethel Blueway

- Slow & store water
- Water quality
- Green infrastructure
- Shared use path
- Replicable within existing easements

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Pilot Project: Armistead Avenue

- Elevate major street
- Treat water with Lake Hampton
- Slow & store water
- Green infrastructure
- Birthplace of America Trail
- Replicable for other streets

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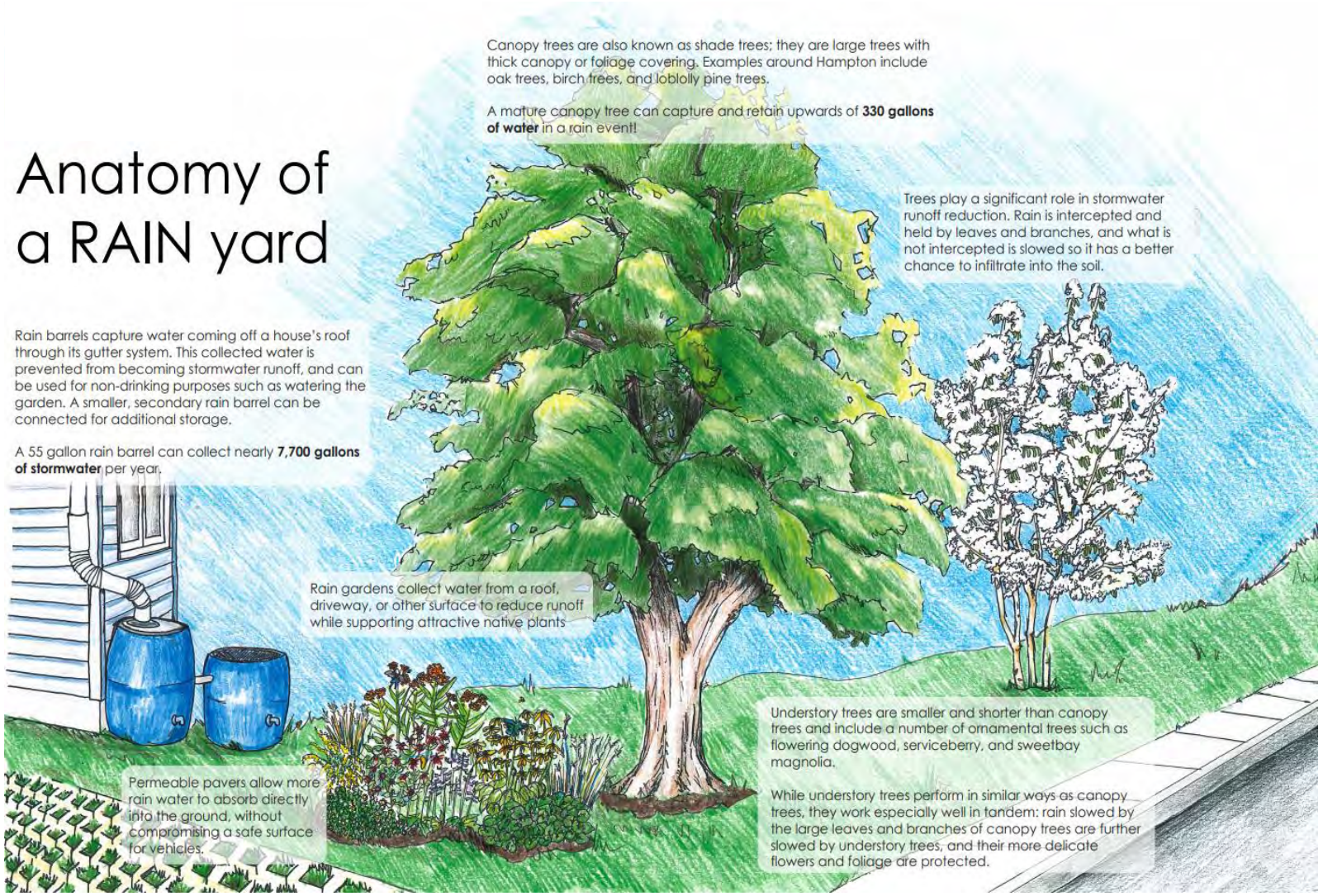
Pilot Project: Public spaces

- Public spaces to slow & store water
- Water quality
- Green infrastructure
- Waterwalk loop & park

Pilot Project: Resilient And Innovative Neighbors



Together, let's:

- reduce flooding
- improve waterways of the Chesapeake Bay
- help our downstream neighbors
- enhance your property

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RESILIENT AND INNOVATIVE NEIGHBOR

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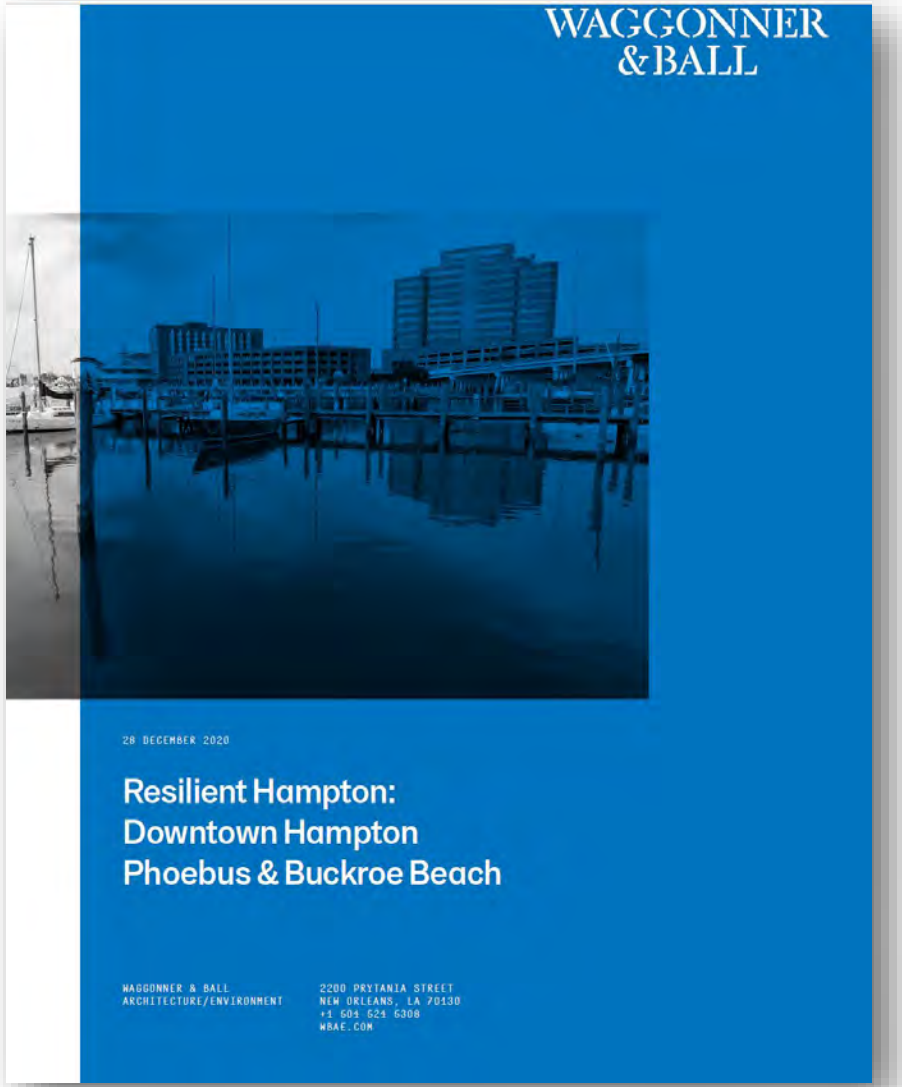
Environmental Impact Bonds

Investing in Green Infrastructure to Save the Bay and Improve the Quality of Life in a Waterfront Community

RESILIENT HAMPTON HAMPTON VA WAGGONNER & BALL Bosch Slabbers moffatt & nichol Quantified Ventures CHESAPEAKE BAY FOUNDATION Saving a National Treasure

Resilient Hampton Phase III



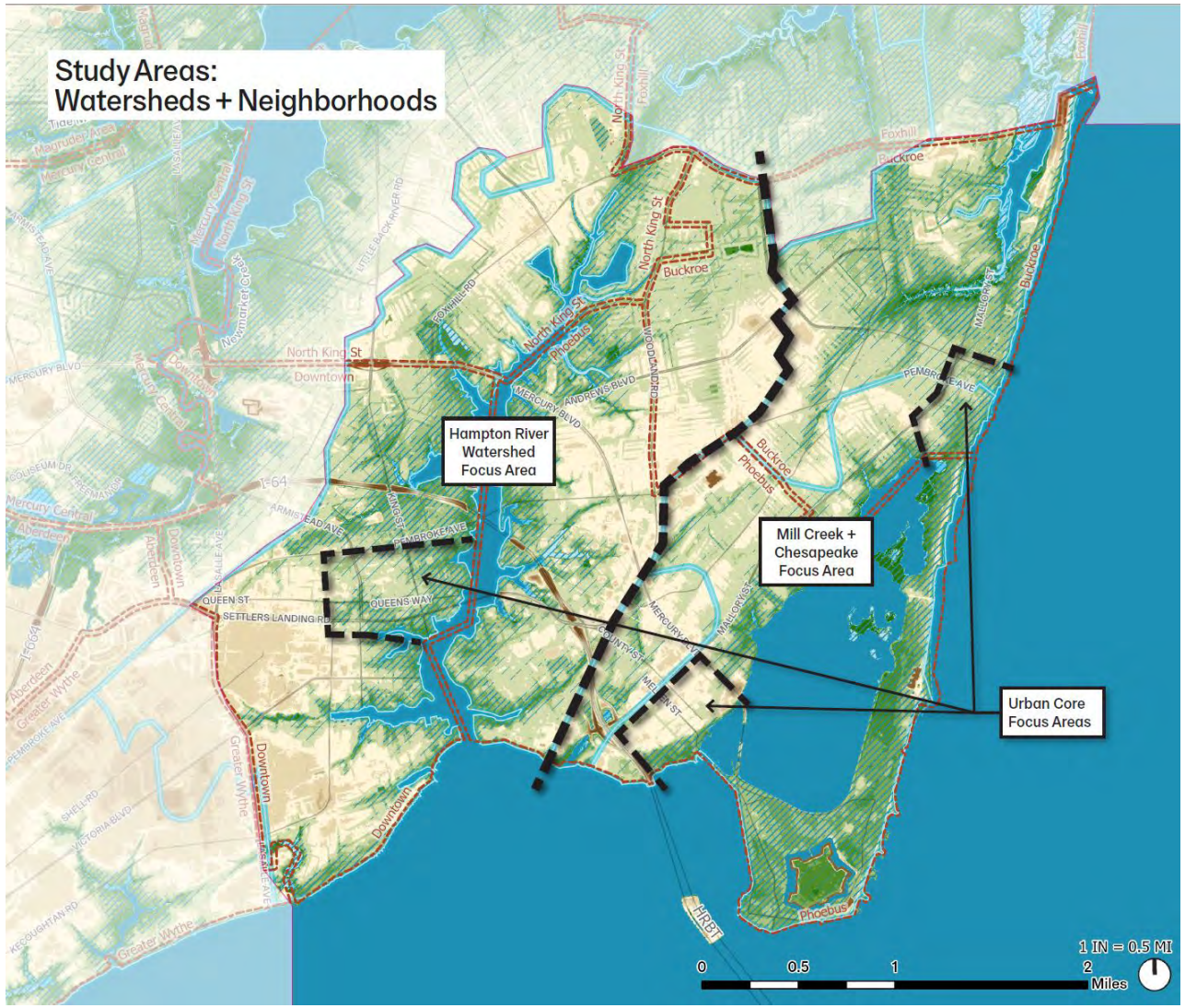


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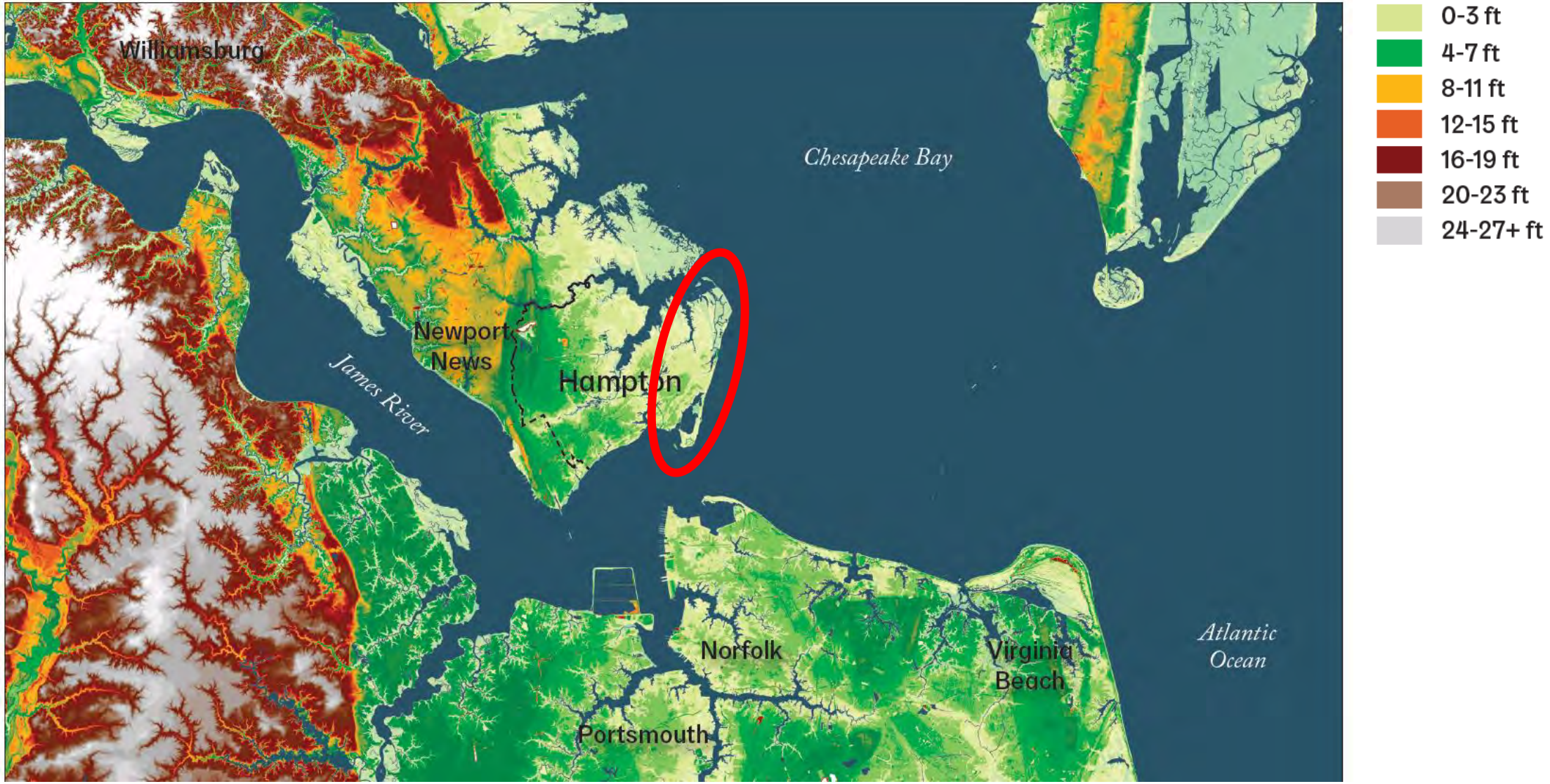
Photo Tour



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Phoebus & Fort Monroe

Phoebus & Fort Monroe

Phoebus & Fort Monroe

Phoebus & Fort Monroe

Places & People

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Buckroe Beach & Salt Ponds

Buckroe Beach & Salt Ponds

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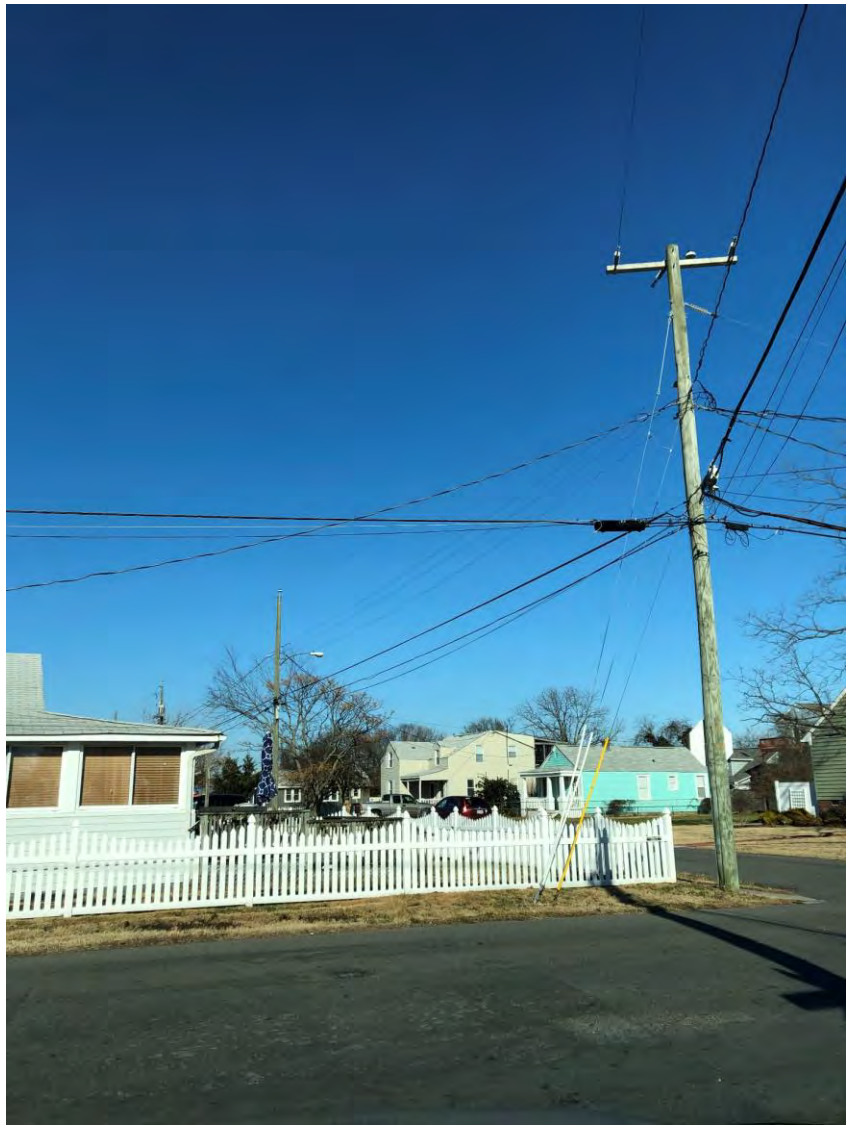
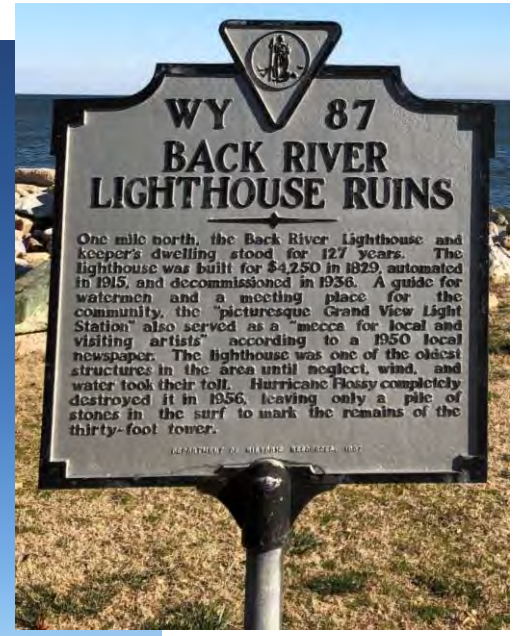


Fox Hill & Grandview Island



Fox Hill & Grandview Island

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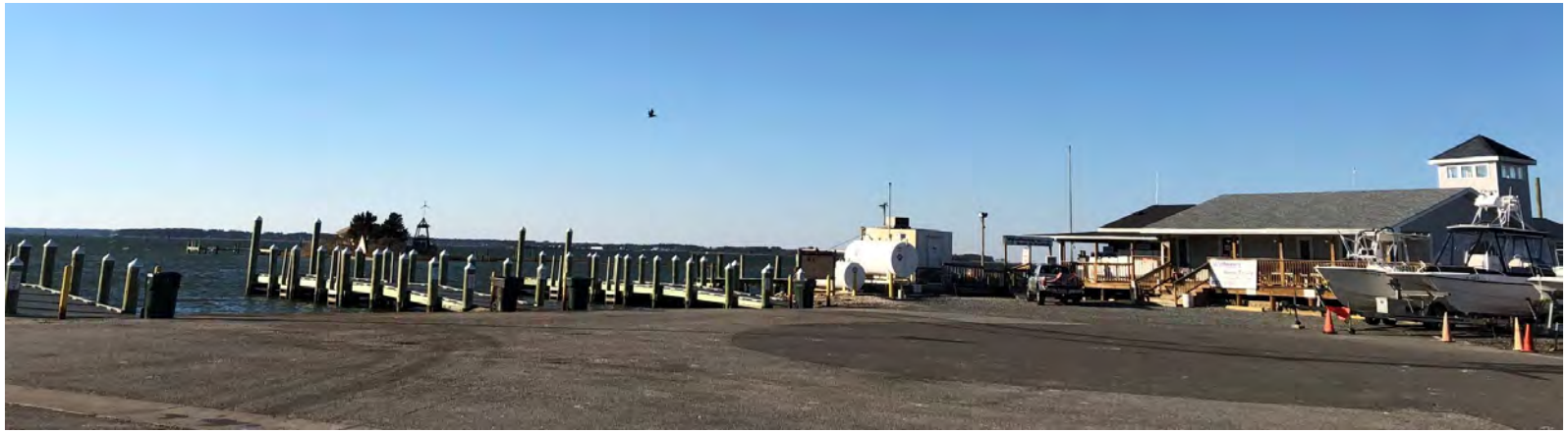
Fox Hill & Grandview Island



Resilient Hampton	www.hampton.gov/resilienthampton
Living with Water report	Resilient Hampton: Living with Water (Phase I report)
RAIN grant	www.hampton.gov/RAINgrant
Hampton GIS Portal	http://webgis.hampton.gov/sites/ParcelViewer/Account/Logon
Environmental Impact Bond	https://www.cbf.org/news-media/newsroom/2020/virginia/city-of-hampton-fights-flooding-with-issuance-of-vas-first-eib.html
New green area ordinance	https://hampton.gov/CivicAlerts.aspx?AID=4753
Community & Master Plans	https://hampton.gov/2007/Hampton-Community-Master-Plans
Chesapeake Bay Preservation Overlay District	https://library.municode.com/va/hampton/codes/zoning?nodeId=CH9OVDI_ARTIIPDIHEBAPROV
Flood Zone Overlay District	https://library.municode.com/va/hampton/codes/zoning?nodeId=CH9OVDI_ARTIVDILOZOOV

Community Meetings

- April 4 – Fox Hill, Harris Creek, and Grandview neighborhoods
  - Consultant presentation
  - Community comments
- April 6 – Buckroe, Fort Monroe, and Bayside neighborhoods
  - Consultant presentation
  - Community comments

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