



# 2022 Hampton Roads Hazard Mitigation Plan

Public Meeting #1

April 20, 2021





## Hampton Roads Planning District Commission

*partnering with*



Noelle M. Slater, Project Manager  
Senior Water Resources Engineer  
(757) 879-6279  
noelle.slater@aecom.com



Leigh Chapman, CFM  
President & Senior Planner  
(757) 593-0250  
leigh.morgan2@verizon.net

# Introductions

**Please type your location in the chat so we know which communities are represented.**

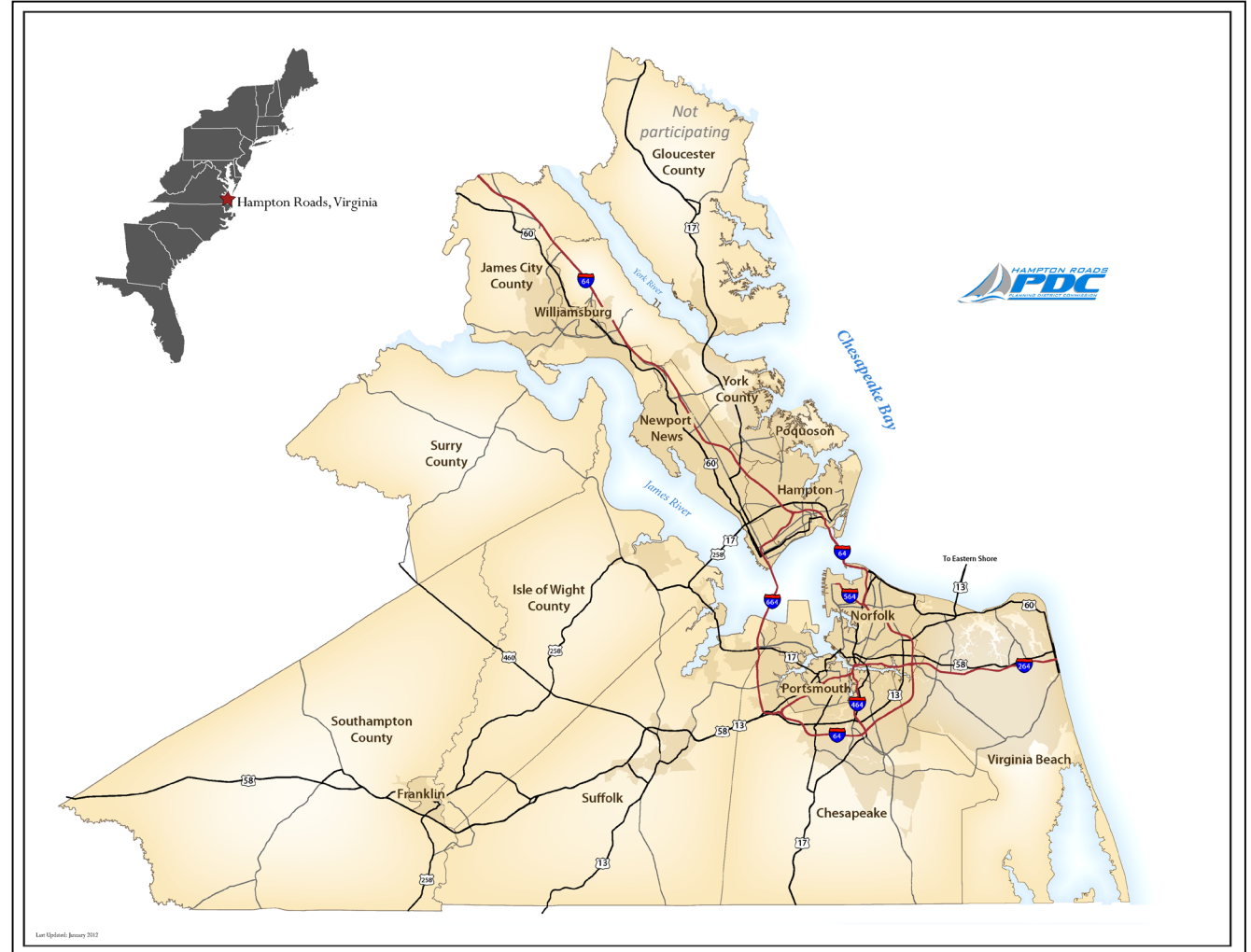


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The Cities of Chesapeake, Franklin, Hampton, Newport News, Norfolk, Portsmouth, Poquoson, Suffolk, Virginia Beach, and Williamsburg.

The Counties of Isle of Wight,  
James City, Southampton,  
Surry and York.

The Towns of Boykins,  
Branchville, Capron, Courtland,  
Ivor, Newsoms, Smithfield,  
Windsor, Claremont and  
Dendron





# 10-Step Process within the 4-Phase FEMA Guidance

## **Phase I: Organize Resources**

- ✓ Get organized
- ✓ Plan for public involvement
- ✓ Coordinate with other departments & agencies

## **Phase II: Assess Risk**

- ❑ Identify the hazards
- ❑ Assess the risks



We Are Here

## **Phase III: Develop Mitigation Plan**

- ❑ Review mitigation alternatives
- ❑ Set planning goals
- ❑ Draft an action plan

## **Phase IV: Adopt & Implement**

- ❑ Adopt the plan
  - ❑ Implement the plan
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# Terminology

**Vulnerability:** Susceptibility to harm, damage, or loss



# Terminology

**Exposure:** People, property, systems, or functions that could be lost to a hazard

**Risk:** Probabilistic determination of the likelihood of an event occurring based on past experiences.

- Combines hazard, vulnerability, exposure, and probability





# Terminology

**Mitigation:** Any sustained action taken to reduce or eliminate the long-term risk to human life and property from hazards.



## Why Mitigate?

- Limit the impact of hazard events
- Protect existing development & infrastructure
- Protect future development & infrastructure
- Plan ahead according to a community vision for hazard damage reduction
- Implement & update in accordance with FEMA standards to maintain grant eligibility = \$\$\$ for mitigation projects



# Why update the Mitigation Plan?

## Things change!

- Mitigation actions are completed
- Nature & magnitude of risks may change
- Community goals change
- Resources & capabilities change over time
- Implementation problems

- Required under DMA 2000 every 5 years, or after a disaster
- Opportunity to integrate plan into existing planning mechanisms





# Natural Hazards Summary

## 2017 Plan's List of Hazards

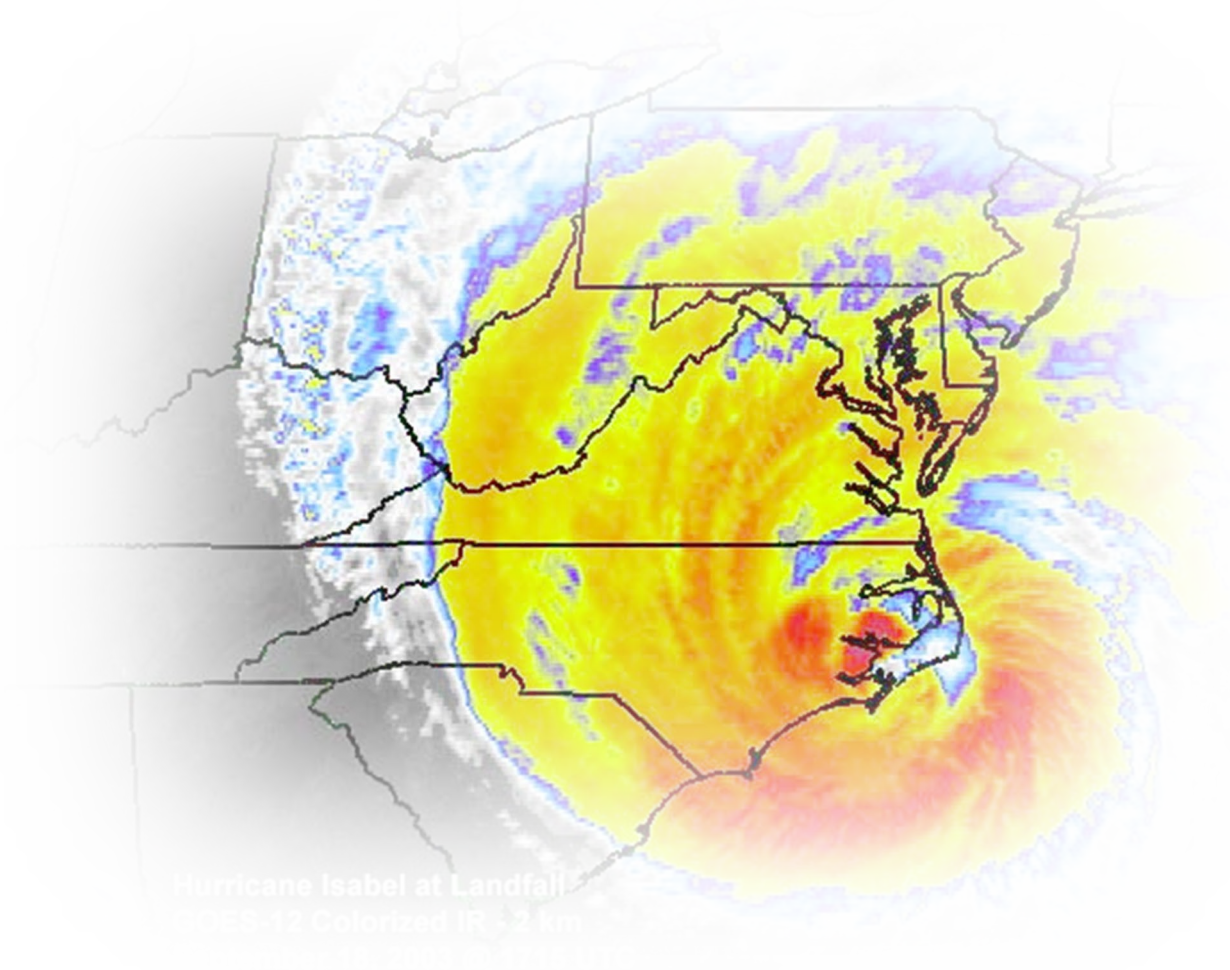
<b>CRITICAL HAZARD - HIGH RISK</b>	FLOODING TROPICAL/COASTAL STORM
<b>CRITICAL HAZARD - MODERATE RISK</b>	SEA LEVEL RISE AND LAND SUBSIDENCE TORNADO WINTER STORM HAZARDOUS MATERIALS INCIDENT
<b>NONCRITICAL HAZARD - LOW RISK</b>	SHORELINE EROSION EARTHQUAKE WILDFIRE
<b>NEGLIGIBLE</b>	DROUGHT EXTREME HEAT

### New for 2022!!

- Infectious Disease
  - High Hazard Dams
  - Climate Change Impacts
  - Social Vulnerability Analysis for hazards
  - Landslide/Coastal Erosion instead of Shoreline Erosion
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# Flood Risk Assessment: Multiple Approaches

- Risk to structures and populations by 100-year flood event – HAZUS update underway
- Critical Facilities analysis
- Structure analysis
  - National Flood Insurance Program Claims & Coverage
  - Repetitive Flood Loss Analysis




# Project Timeline

Planning Process Stage	Estimated Completion Date	HMPC Meetings & Public Outreach
Project Kickoff	February 16, 2021	
★ Update the Hazard Identification & Analysis and include Public Input and Review	May 15, 2021	Public Meeting & April Survey
Activate HMTAC, Review Hazard Identification and Vulnerability Assessment	June 1, 2021	HMPC #1 Public Meeting Late May
Update the Capability Assessment	June 1, 2021	
Solicit Public Input on Mitigation Goals and the Mitigation Strategy	June 15, 2021	HMPC #2 – Full Day HMPC #3 – Full Day
Review and Update Regional and Local Mitigation Goals and the Mitigation Strategy	July 23, 2021	
Complete a Draft Plan	September 1, 2021	HMPC #4 – Short Review
Solicit Public Comment on the Draft Plan and incorporate responses into the Draft Plan	October 1, 2021	Public Meeting Late Sept
Review Draft Plan by Committee/issue to VDEM	September 30, 2021	
VDEM Review of Draft Plan/Revisions	November 12 – December 12, 2021	
FEMA Review of Draft Plan	January 1 - February 1, 2022	
Incorporate FEMA feedback into Final Plan	February 2022 – April 2022	
Plan Adoption and FEMA Approval	April 30, 2022	

# Questions for participants





# DISCUSS – Poll #1

- Has your Virginia neighborhood ever been impacted by a natural disaster (besides COVID-19)?
- How concerned are you about impacts from disasters?
- What three natural hazards do you think pose the highest threats?
  - What local hazards keep you up at night, worrying about the safety of your home and loved ones?

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## Hazard Category

Flooding

Tropical/Coastal Storm

Sea Level Rise/Land Subsidence

Tornado

Winter Storm

Hazardous Materials Incident

Landslide/Coastal Erosion

Earthquake

Wildfire

Drought

Extreme Heat

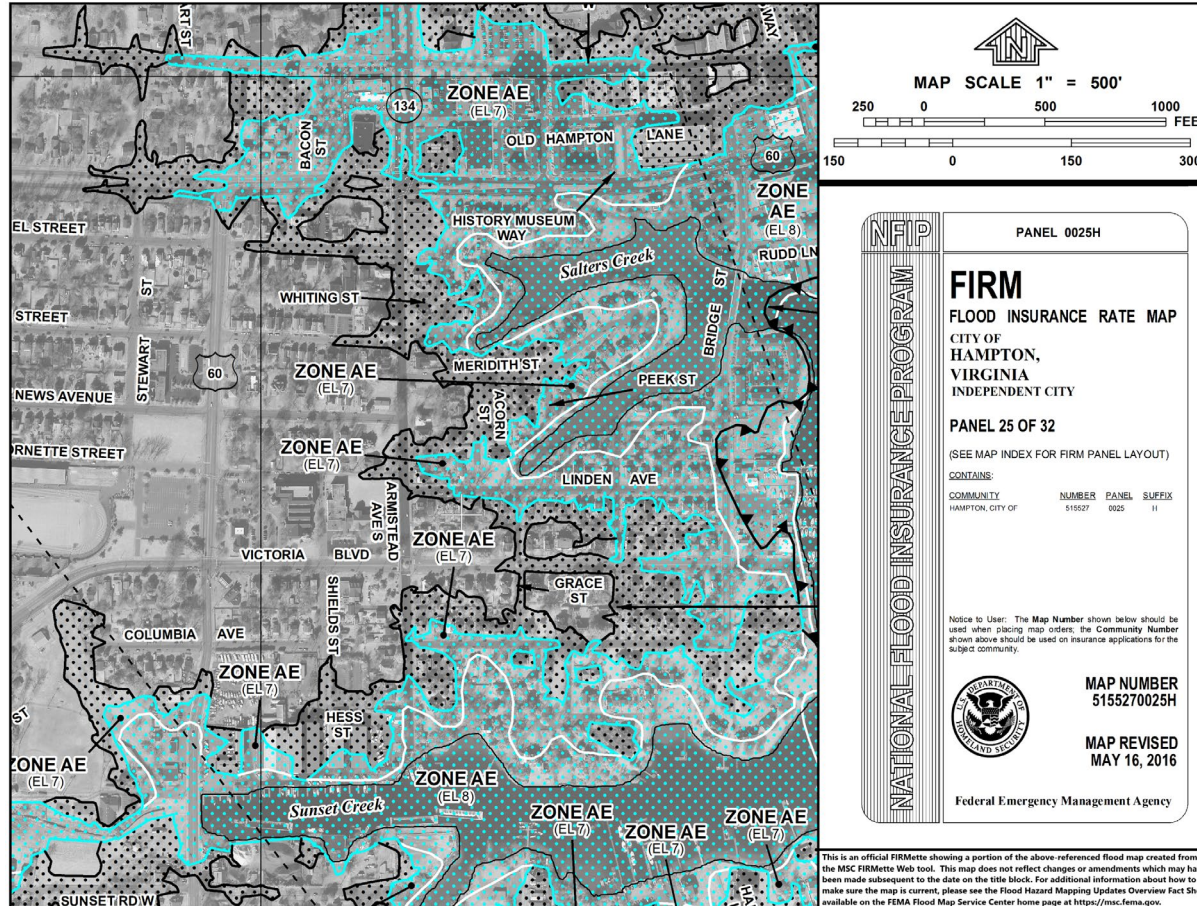
High Hazard Dams

Infectious Disease/Pandemic

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# DISCUSS – Poll #2



- Is your home in a floodplain and do you have flood insurance?

- Have you ever actively investigated the potential impacts of hazards on your home or neighborhood?

- Have you ever taken actions to make your home/neighborhood more resistant to hazards?

- Do you want more information on how to make your home or neighborhood more resistant to hazards?

- What is best way for local government to get you that information?



# Community Mitigation Activity Categories



**Prevention:** Administrative or regulatory actions that influence the way land is developed and buildings are built – *e.g.*, zoning



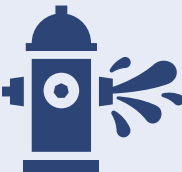
**Property Protection:** Modifications to existing land or buildings to protect from hazard – *e.g.*, storm shutters



**Natural Resource Protection:** Actions to preserve or restore functions of a natural system – *e.g.*, slope stabilization



**Structural Projects:** Lessen impact of hazard by modifying the hazard itself – *e.g.*, dam or levee



**Emergency Services:** protect people and property during/after hazard event – *e.g.*, warning & evacuation planning



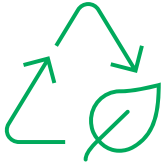
**Education & Awareness:** Inform citizens about hazards and protection techniques – *e.g.*, hazard maps



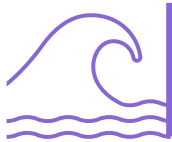
Prevention



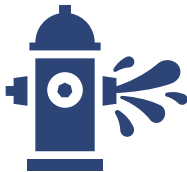
Property Protection



Natural Resource Protection



Structural Projects




Emergency Services



Education & Awareness

## Discuss

**Which do you think are the most important and why?**



Take the public survey by  
scanning code below or  
going to  
<https://www.hrpdcva.gov/>  
for link.





# questions and comments

Leigh Chapman, CFM  
Technical Lead Planner  
Salter's Creek Consulting, Inc.  
Phone (757) 593-0250  
leigh.morgan2@verizon.net

