

HOW CAN YOU CONTRIBUTE?



- Welcome to the Neuse River Basin Flood Risk Management Feasibility Study Public Involvement Meeting
- https://www.facebook.com/usace.wilmington
- Submit questions via the chat function in FACEBOOK Livestream
- Questions can also be submitted:
 - By Email: <u>CESAW-Neuse River Basin FRM@usace.army.mil</u> using the subject line "Neuse River Basin Study – Scoping Comment"
 - By mail:

U.S. Army Corps of Engineers, Wilmington District c/o: Neuse River Basin FRM Project, ATTN: CESAW-PM-DJ 69 Darlington Ave Wilmington, N.C. 28403

NEUSE RIVER BASIN FLOOD RISK MANAGEMENT FEASIBILITY STUDY

PUBLIC INVOLVEMENT MEETING

Central Basin Region: Lenoir, Wayne and Wilson Counties Kinston, Seven Springs, Goldsboro, Wilson

March 31, 2021







AGENDA

- ❑ Why are we here today?
- What and where are we studying?
- What are the problems?
- How are we conducting the study?
- How can we address the problems?
- What is the study schedule?
- How can you contribute?







WHY ARE WE HERE?













WHERE AND WHAT ARE WE STUDYING?



Neuse River Basin Population >1.4 million Durham • 18 counties Raleigh Wilson >8 population Cary Greenville centers Smithfield Goldsboro **Flood Risks** Kinston **Riverine and** New Bern tributary flooding



WHAT ARE THE PROBLEMS?

- 1. Economic damages
 - Residential and commercial structures
 - Impacts to industry and commerce
 - Public infrastructure
 - Traffic delays and detours
 - Environmental remediation
- 2. Life safety risks
 - Inundation of structures
 - Loss of evacuation routes
 - Access to critical facilities/recovery aid
 - Inundation of occupied vehicles
 - Impacts to critical infrastructure











- Charrette
- Information gathering meetings (2020)
- Public meetings (March-April 2021)





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- Hydrologic & hydraulic models
- Economic models
- Environmental conditions
- Current & future conditions









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- Information gathering meetings (2020)
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- Hydrologic & hydraulic models
- Economic models
- Environmental conditions
- Current & future conditions

- Identify & screen
 management
 measures
- Combine into basin-wide alternatives







- gathering meetings (2020)
- Public meetings (March-April 2021)
- Economic models
- **Environmental** conditions
- Current & future conditions

- measures
- Combine into basin-wide alternatives

- Environmental quality
- Select plan





Kinston/Lenoir County

County Flood Areas (Matthew Info)





https://www.rebuild.nc.gov/resiliency/hurricane-matthew-resilient-redevelopment-plans



Seven Springs/ Wayne County

County Flood Areas (Matthew Info)







Goldsboro/Seven Springs/ Wayne County



County Flood Areas (Matthew Info)



https://www.rebuild.nc.gov/resiliency/hurricane-matthew-resilient-redevelopment-plans





Wilson/Wilson County

County Flood Areas (Matthew)





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Basin-scale potential management measures

- 1. Upstream detention/reservoir
 - Reservoir: permanent pool
 - Detention basin: stores water during peak flows



- 2. Dispersed water management
 - Storage of water on public/private property
 - Property owners are compensated
 - "Water farming"



3. Floating debris management







Nonstructural potential management measures

1. Acquisition/ relocation



2. Structure elevation



- 3. Floodproofing
 - Wet floodproofing
 - Dry floodproofing



- Flood warning
- 4. Planning & preparedness •
- Emergency evacuation planning Floodplain management
- Flood awareness/education

Transportation

Local modifications to infrastructure that:

- Improve evacuation
- Improve access to critical facilities
- Reduce significant life safety concerns







Kinston (Lenoir County) – Potential Management Measures





Note: Measures shown are not based on final analyses. Thus, applicability and locations of measures are subject to change.

Nonstructural









Seven Springs (Wayne County) – Potential Management Measures

Building modification



Acquisition or relocation



Levee/ floodwall





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Goldsboro (Wayne County) – Potential Management Measures

1. Bridge and culvert modifications







Nonstructural





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Wilson (Wilson County) – Potential Management Measures





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TENTATIVE SCHEDULE AND PLANNING PROCESS







HOW CAN YOU CONTRIBUTE?

We'd like for you to tell us:

- What impacts have you experienced because of the floods?
- What concerns do you have with this study?
- Which of the proposed measures would you prefer and why?
- What critical local resources do we need to be aware of to protect or avoid?
- What else we should know about?





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