

Peeks Creek Landslide, Macon County, NC Photo Source: Wikipedia

Clay Macon Regional Hazard Mitigation Plan Kickoff Meeting

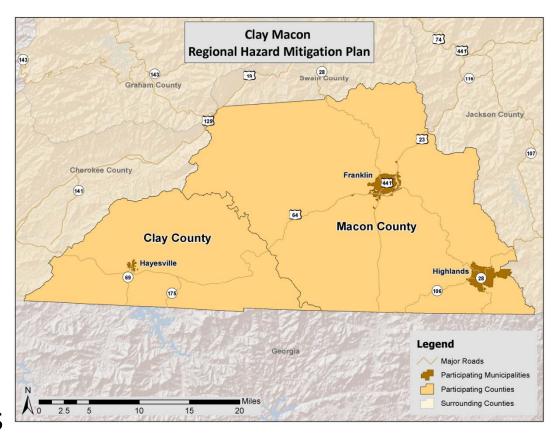
January 6, 2015

Handouts

- Agenda
- Presentation Slides
- Data Collection Tools
 - Public Participation Survey

Agenda

- Introductions
- Overview of Mitigation
 - Ice Breaker Exercise
- Project Overview
 - Key Objectives
 - Project Tasks
 - Project Schedule
 - Project Staffing
- Data Collection
- Roles & Responsibilities
- Next Steps
- Questions, Issues, or Concerns





Introductions

- County Points of Contact
 - Clay: Ricky Lancaster
 - Macon: Warren Cabe
- HMPT Members
- NCEM
- Atkins
 - Nathan Slaughter, AICP, CFM

Project Overview - What is Mitigation?



"mit-i-gate"

1: to cause to become less harsh or hostile.

2: to make less severe or painful.



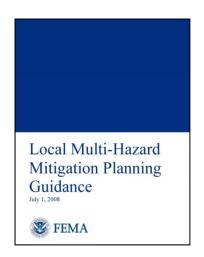
Hazard Mitigation

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

Why Plan? Disaster Mitigation Act of 2000

- Revitalized Federal Planning Requirements
 - State and Local Hazard Mitigation Plans
- Federal Grant Funding Eligibility
 - Hazard Mitigation Grant Program (HMGP)
 - Pre-Disaster Mitigation (PDM)
 - Flood Mitigation Assistance (FMA)





- DMA 2000 is intended to facilitate cooperation between state and local authorities on risk reduction measures and to expedite funding allocation
- FEMA Resources (laws, regulations and guidance)
 http://www.fema.gov/mitigation-planning-laws-regulations-guidance

Why Plan? NC Senate Bill 300

- Passed in June of 2001, amends the North Carolina Emergency Management Act
 - Requires local hazard mitigation plans in order to remain eligible for Public Assistance (PA) for state-declared disasters



Status of Current Plans

- Clay County
 - Expires 8/9/16
- Macon County
 - Expires 8/9/16



Participating Jurisdictions

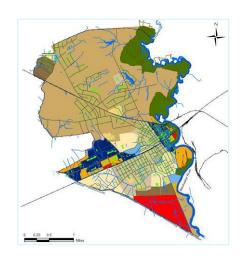
- Clay County
 - Hayesville
- Macon County
 - Franklin
 - Highlands



Hazard Mitigation Techniques

- Prevention
- Property Protection
- Natural Resource Protection
- Structural Projects
- Emergency Services
- Public Education and Awareness

Prevention









- Planning and zoning
- Building codes
- Open space preservation
- Floodplain regulations
- Stormwater management regulations
- Drainage system maintenance
- Capital improvements programming
- Setbacks

Property Protection







- Acquisition
- Relocation
- Building elevation
- Critical facilities protection
- Retrofitting
- Safe rooms, shutters, shatter-resistant glass
- Insurance







Natural Resource Protection



- Floodplain protection
- Watershed management
- Riparian buffers
- Forest management
- Erosion and sediment control
- Wetland preservation and restoration
- Habitat preservation

Structural Projects







- Reservoirs
- Dams, levees, dikes
- Floodwalls
- Stormwater diversions
- Detention/retention basins
- Channel modification
- Storm sewers



Emergency Services









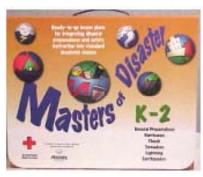
- Warning systems
- Emergency response equipment
- Shelter Operations
- Evacuation planning and management
- Emergency response training and exercises
- Sandbagging for flood protection

Public Education and Awareness









- Outreach projects
- Speaker series/ demonstration events
- Hazard map information
- Real estate disclosure
- Library materials
- School children educational programs
- Hazard expositions

Ice Breaker Exercise

Prevention	Property Protection	Natural Resource Protection	Structural Projects	Emergency Services	Public Education/ Awareness
Planning and zoning Building codes Open space preservation Floodplain regulations Stormwater management regulations Drainage system maintenance Capital improvements programming Setbacks	Acquisition Relocation Building elevation Critical facilities protection Retrofitting Safe rooms, shutters, shatter- resistant glass Insurance	Floodplain protection Watershed management Riparian buffers Forest management Erosion and sediment control Wetland preservation and restoration Habitat preservation	Reservoirs Dams, levees, dikes Floodwalls Stormwater diversions Detention/retention basins Channel modification Storm sewers	Warning systems Emergency response equipment Shelter Operations Evacuation planning and management Emergency response training and exercises Sandbagging for flood protection Temporary shutters	Outreach projects Speaker series/ demonstration events Hazard map information Real estate disclosure Library materials School children educational programs Hazard expositions



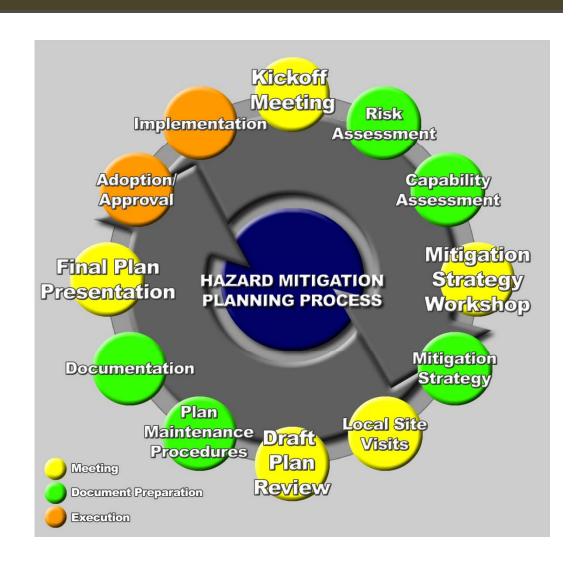
Key Objectives

- Merge two (2) county plans into one regional plan
- Complete update of existing plans to demonstrate progress and reflect current conditions
- Increase public awareness and education
- Maintain grant eligibility for participating jurisdictions
- Update plan in accordance with Community Rating System (CRS) requirements (although no current participants)
- Maintain compliance with State and Federal requirements



Project Tasks

- 1. Planning Process
- 2. Risk Assessment
- 3. Capability Assessment
- 4. Mitigation Strategy
- 5. Plan Maintenance
- 6. Documentation



Planning Process

- Develop a Hazard
 Mitigation Planning
 Team (HMPT)
- Widespread public participation and outreach to key stakeholders
- Data collection and analysis
- Plan preparation and submission



Risk Assessment

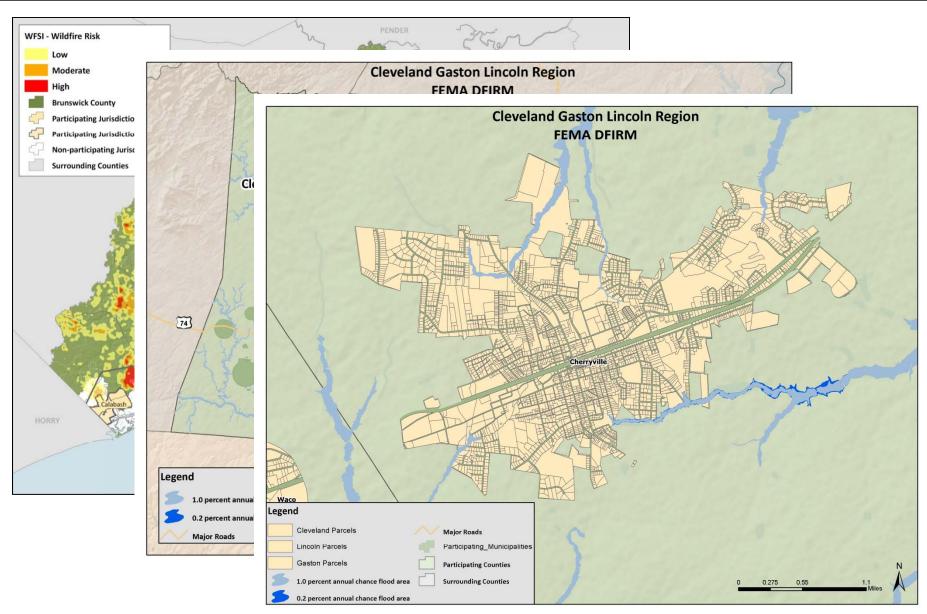
- Hazard Identification and Analysis
 - Detailed profiles for all natural hazards
 - Hazard description
 - Historical occurrences
 - Known hazard boundaries
 - Priority Risk Index (PRI)
- Vulnerability Assessment
 - Asset inventory (exposure)
 - Loss estimates
- Development Trends and Implications

Hazard Identification

 We have identified the following as hazards that we will plan on analyzing in the Clay Macon plan:

ATMOSPHERIC HAZARDS	GEOLOGIC HAZARDS					
□ Avalanche						
✓ Drought	☐ Expansive Soils					
☑ Hailstorm	✓ Landslide					
☑ Heat Wave / Extreme Heat	☐ Land Subsidence					
✓ Hurricane and Tropical Storm	☐ Tsunami					
✓ Lightning	□ Volcano					
☐ Nor'easter	HYDROLOGIC HAZARDS					
✓ Severe Thunderstorm	✓ Dam and Levee Failure					
☑ Tornado	☑ Erosion					
☑ Winter Storm and Freeze	✓ Flood					
	☐ Storm Surge					
	OTHER HAZARDS					
	☑ Hazardous Materials Incident					
	☐ Terror Threat					
	☑ Wildfire					
☑ = Hazard considered significant enough for further evaluation in the Clay Macon hazard risk assessment.						

Vulnerability Assessment



Capability Assessment

- Measures capability to implement hazard mitigation activities
- Identifies and targets gaps, conflicts and opportunities with existing local plans, programs, policies, etc.
- Identifies mitigation measures already in place or underway

Capability Assessment

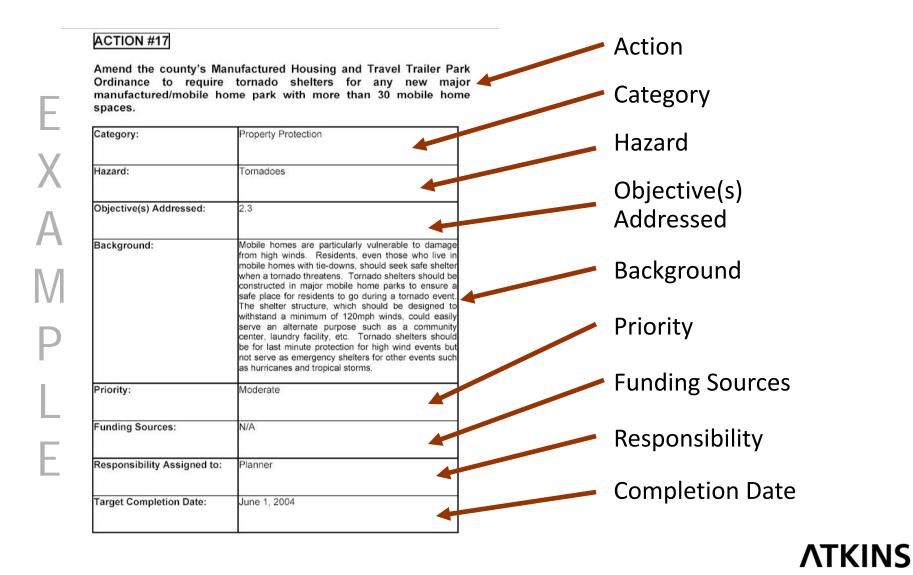
- Capability Assessment Survey
 - Measures existing capabilities
 - Planning and regulatory
 - Administrative and technical
 - Fiscal
 - Political



Mitigation Strategy

- Mitigation Goals
 - Based upon findings of the risk and capability assessments
- Identification and analysis of mitigation measures
 - Prevention, property protection, natural resource protection, structural projects, emergency services, and public education and awareness

Mitigation Action Plan



Plan Maintenance

- Monitoring and reporting
- Evaluating and updating
- Implementation mechanisms
- Continued public involvement

Documentation

- Full description of planning process
 - Use of best available data
- Plan adoption
 - Local resolution required for final FEMA approval
- Local Mitigation Plan Review Tool

Project Schedule

Dunitant Trades	Month										
Project Tasks	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	ост	NOV-JAN
Planning Process											
Risk Assessment											
Mitigation Strategy											
Plan Maintenance and Adoption											
Meetings											
Kickoff Meeting with Local Project Coordinator	٧										
Regional Planning Committee Meetings	٧				٧				٧		
Open Public Meetings					٧				٧		
Milestones											
Submission of Draft Risk Assessment to Regional Planning Committee										٧	
Submission of Draft Risk Assessment to NCEM										٧	
Completion of Final Plan/Conditional FEMA Approval											٧
Local Adoption of Final Plan											٧
Submission of Final Plan to NCEM/FEMA											٧

Project Staffing



Data Collection

- GIS Data Inventory
- Capability Assessment Survey
- Public Participation Survey
- Existing Mitigation Actions

Public Participation Survey

- Provides an opportunity for the public to share opinions and participate in the planning process.
- Link to survey typically posted on County websites

http://www.surveygizmo.com/s3/1947288/Public-Participation-Survey-for-Hazard-Mitigation-Planning-Clay-Macon



- Atkins
- County Leads
- Participating Jurisdictions



<u>Atkins</u>

- Technical Assistance
 - Planning guidance
 - State and federal compliance
- Data Collection & Analysis
 - Risk assessment
 - Capability assessment
 - Summarize results / report findings
- Facilitate HMPT meetings, workshops, and open public meetings
- Plan Preparation

County Leads

- Active participation in planning process
 - Data collection and exchange
 - Public awareness and stakeholder involvement
 - Arrange and host HMPT meetings
 - Mitigation strategy development
 - Plan review & feedback
- Project management
 - Central point of contact Warren Cabe, Macon County
 - Communication and coordination with participating jurisdictions,
 NCEM and FEMA
- Plan Adoption

Participating Jurisdictions

- Active participation in planning process
 - Data collection and exchange
 - Public awareness and stakeholder involvement
 - Attend HMPT meetings
 - Mitigation strategy development
 - Plan review & feedback
- Plan Adoption



Next Steps

- Initiate data collection efforts
- Begin public outreach
- Discuss Hazard Mitigation Planning Team meeting





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