



**BERKELEY-DORCHESTER
HAZARD MITIGATION PLAN
(BDHMP)**

Update Meeting

BCD Council of Governments (BCDCOG)

July 27, 2009

OVERVIEW

○ BDHMP:

- Developed under a Flood Mitigation Assistance grant (2003)
- Must be monitored and updated to ensure compliance with the [Robert T. Stafford Act](#):
 - Amended by the Disaster Mitigation Act (2000)
 - Requires an approved hazard mitigation plan from FEMA to provide funding through the Hazard Mitigation Grant Program
- Main idea is to identify potential hazards to mitigate the loss of life and property
- Role of [BCDCOG](#):
 - Coordinate and facilitate the creation or update of the HMP



OVERVIEW

- **BDHMP** purpose is:
 1. Provide a method that sustain the mitigation planning
 2. Enhance public awareness
 3. Provide a decision tool for management
 4. Promote compliance with State and Federal programs
 5. Enhance local policies for hazard mitigation capability
 6. Ensure inter-jurisdictional coordination



HAZARDS

- *Are those natural events that threaten lives, property and other assets of an area*

Impacts of Hurricane Hugo in Charleston, SC



Tornado damage in Wadmallaw Island, SC



WORK FLOW



BDHMP UPDATE

○ Requirements:

- Local jurisdictions must review its plan to:
 - Reflect changes in development
 - Document progress in local mitigation efforts
 - Show changes in priorities
 - Demonstrate that progress has been made in the past 5 years
 - Re-submit HMP

○ Pre-Requisite:

- Adoption by the local governing body
- Multi-Jurisdictional plan adoption
- Multi-Jurisdictional planning participation



BDHMP UPDATE

○ Planning Process

- BDHMP shall describe the process used to review and analyze each of the sections
- Document how the community was kept involved during the plan maintenance



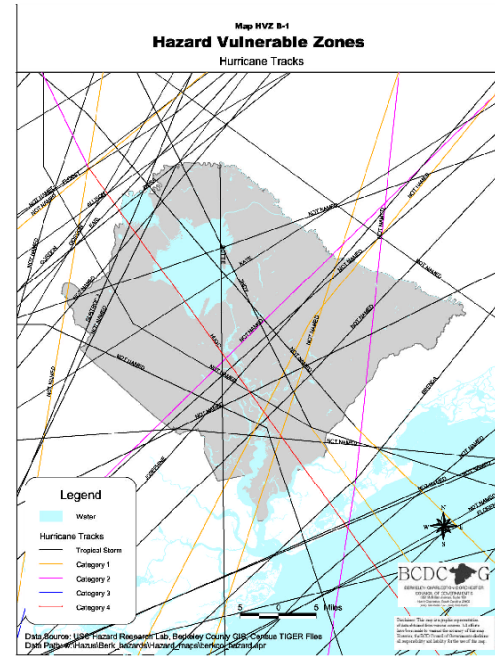
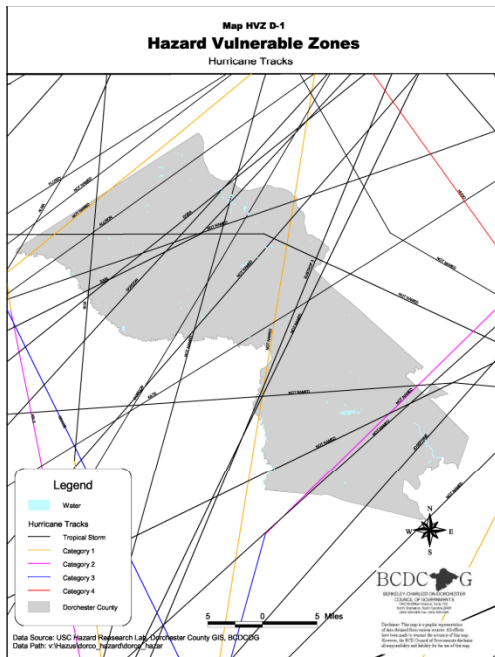
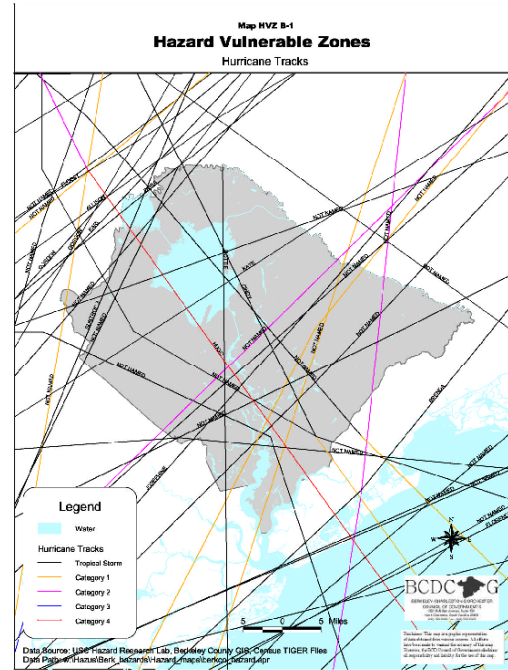
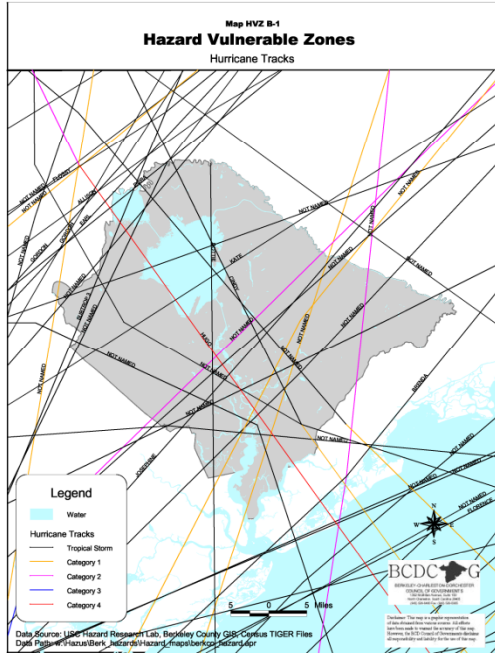
BDHMP UPDATE

○ Risk Assessment

- Identify new hazards (if any)
- Describe occurrences of hazards included in previous plan and discuss new occurrences
- Document any changes in vulnerability by:
 - Inventorying existing structures in hazard areas
 - Documenting potential impacts of future land development
 - Documenting new buildings structures
- Address repetitive loss structures
- Include inventory of existing and proposed buildings
 - Including critical facilities
- Include a general overview of land uses and type of development occurring in the community



Berkeley and Dorchester Counties Hurricane Vulnerable Zones



BDHMP UPDATE

○ Mitigation Strategy

- Local mitigation goals
 - Should be reaffirmed and updated base on current conditions
 - Identify new objectives
- Identification and Analysis of Mitigation Actions
- Implementation of National Flood Insurance Program (NFIP)
 - Must describe each jurisdiction's participation
 - Identify, analyze and prioritize actions to continue compliance with the NFIP
- Implementation of Mitigation Actions
 - Include any new mitigation action
 - Identify the completed, deleted or deferred actions from the previous plan
- Multi-Jurisdictional Mitigation Actions



Source: FEMA, 2008
Local Multi-Hazard Mitigation Planning Guidance
<http://www.fema.gov/plan/mitplanning/guidance.shtm>

MITIGATION ACTION PLAN

CITY OF GOOSE CREEK

Category	Activity	Goals/Objectives	Possible Funding Sources	Responsible Agency	Timeframe
ES	Interconnect all City facilities via a fiber optic communication and data network	2.1, 5.1	Cooperative project with cable provider, General Fund	Administration Department Public Works Department	Long-Term
PA	Develop a Stormwater Management Plan	6.1	General Fund Stormwater Management Fee	Public Works Department	Long-Term
ES	Initiate Emergency Debris Removal Plan	Goal 5	General Fund	Public Works Department	Short-Term
PP	Maintain and Fire Codes	1.2	General Fund	Building Inspection Department Planning Department	Short-Term
PI	Provide hazard specific checklists to residents and business owners	4.2,4.3	General Fund	Public Information Office Planning Department	Short-Term
ES	Interconnect all City facilities via a fiber optic communication and data network	2.1, 5.1	Cooperative project with cable provider, General Fund	Administration Department Public Works Department	Long-Term
PA	Develop a Stormwater Management Plan	6.1	General Fund Stormwater Management Fee	Public Works Department	Long-Term

ES=Emergency Services; PA= Preventative Activities; PP= Property Protection; PI=Public Information and Awareness

FUNDING SOURCES

Program	Agency	Purpose	Match	Suggested Projects
Pre-Disaster Mitigation Program	FEMA	Funding for cost-effective hazard mitigation activities	75% Federal share, 25% non-Federal share, which can be in-kind or cash	Hazard Mitigation Planning, Hazard retrofits, technical assistance, Community outreach
Flood Mitigation Assistance Program	FEMA	Pre-disaster funding to reduce the long-term risk of flood damage to property	75% Federal share, 25% non-Federal share,	Building relocation or retrofitting
Hazard Mitigation Grant Program	FEMA	Assists local governments to implement long-term mitigation measures following a disaster declaration	Up to 75% Federal share, non-Federal share may be in-kind services, materials or cash	Building relocation and retrofitting,
Public Assistance (Infrastructure) Program	FEMA	Post-disaster funding for infrastructure repairs	None	Road, bridge, culvert repair
SBA Assistance Program	US Small Business Administration	Low-interest loans for small businesses to repair facilities after a disaster declaration	Loan	Repair on any uninsured equipment
Community Development Block Grants	US Department of Housing and Urban Development	Funding for community and economic development projects	None	Acquisition reconstruction or rehabilitation of damaged property in areas damaged in a disaster.

Source: BDHMP- Section Four

BDHMP UPDATE

○ Plan Maintenance

- Include method to be used over the next five years to:
 - Monitor, evaluate and update the plan
- Explain how local governments incorporated the mitigation plan into other planning mechanisms
- Emphasize future community involvement



BDHMP UPDATE

- What needs to be done?
 - Organize resources:
 - Compile new information
 - Organize interested members
 - Identify new goals and objectives (if necessary)
 - Identify new hazards and occurrences
 - Set a work timeframe
 - Set future meetings

