

I. INTRODUCTION

This section of the Regional Hazard Mitigation Plan outlines all of the goals and strategies that will be implemented at the regional, county, and municipal level. It should be noted that all goals and implementing strategies relating to the individual counties were based on elements of each respective jurisdictions' 2010/2011 plan. All strategies relating to regional initiatives were developed through this planning process. The modifications of these plan elements was based on the direction and input of the Regional and County MACs. All actions have been updated and are intended to reflect the current needs and desires of the Regional Mitigation Advisory Committee and their respective jurisdictions. The mitigation strategies developed through the planning process will be implemented at the regional, county, and in some cases, municipal level. Craven County will take the lead in undertaking all strategies outlined within this plan relating to the region overall, with support and assistance from Beaufort, Carteret, Hyde, and Pamlico counties, as well as all participating jurisdictions.

As the MACs worked through the development of this action plan, the group focused on six primary mitigation focus areas for the region, as well as each participating jurisdiction. These focus areas define the various aspects of mitigation, and provide guidance toward the development of a truly comprehensive solution to mitigation planning.

1. **Prevention Mechanisms** include regulatory methods such as planning and zoning, building regulations, open space planning, land development regulations, and stormwater management.
2. **Property Protection** actions diminish the risk of structural damage through acquisition of land, relocation of buildings, modifying high-risk structures, and floodproofing high-risk structures.
3. **Natural Resource Protection** can soften hazard impacts through mechanisms such as erosion and sediment control or wetlands protection.
4. **Emergency Services** measures include warning, response capabilities, Town critical infrastructures protection, and health and safety maintenance.
5. **Structural Mitigation** controls natural hazards through projects such as reservoirs, levees, diversions, channel modifications and storm sewers.
6. **Public Education** includes providing hazard maps and information, outreach programs, real estate disclosure, technical assistance and education.

II. 2010/2011 MITIGATION PROGRESS REPORTS

A. Public Participation

All participating jurisdictions work very closely with citizens to provide programs and support that will improve each County's resiliency to natural disasters. Over the last five years, all five Counties have taken significant steps to improve upon existing emergency service functions and programs. The public was an integral part in carrying out all of these efforts. All issues relating to emergency management policy and programs have been thoroughly discussed with the respective County Board of Commissioners and Town/City Councils. In more specific terms, the public has been involved in discussions relating to regulatory tools, mitigation, and emergency services through County Planning Board and Board of Commissioners meetings. All meetings involving these two bodies are locally advertised and open to the public. Through this Hazard Mitigation Plan update, the Regional MAC intends to expand public outreach efforts, as outlined in the updated strategies.

B. Monitoring and Evaluation

Beaufort, Carteret, Craven, Hyde, and Pamlico Counties, as well as participating municipal jurisdictions, have and will continue to utilize the information within this document for day-to-day planning efforts. Through monitoring the status of each jurisdiction's existing Mitigation Plan, each County has improved upon the data utilized throughout this document. Each County's administration maintains a dialogue with their respective County Board of Commissioners and municipal representatives regarding mitigation/emergency management issues, and provides the public with information when deemed necessary.

C. Incorporation of Mitigation Plan into Other Planning Mechanisms

Over the last five years, Beaufort, Carteret, Craven, Hyde, and Pamlico Counties, as well as all participating jurisdictions, have made several land development policy amendments. The information and strategies outlined within each County's existing HMP were factored into discussions during the development of these documents. This coordination ensures that information outlined in the hazard mitigation plan is carrying over into land use policy. Additionally, each County and pertinent municipal jurisdictions reviewed their Flood Damage Prevention Ordinances to ensure compliance with current standards, including review and adoption of updated Flood Insurance Rate Maps. All entities also considered the HMP during decisions relating to capital expenditures such as infrastructure improvements.

D. Mitigation Strategy Progress

Over the last five years, each jurisdiction participating in this update process have implemented strategies at both the County and municipal levels. Through these implementation efforts, each jurisdiction has strengthened their respective mitigation programs, as well as improved the resiliency of their respective community. A comprehensive status report of each participating jurisdictions existing mitigation actions is provided in Appendix G of the plan.

III. MITIGATION STRATEGIES

The overall hazard mitigation planning effort is focused on providing the region and each participating jurisdiction with an action plan that will strive toward the achievement of the goals outlined below. In order to establish this plan, the Regional MAC decided that the best approach would be to define goals to guide the development of strategies developed through this plan. In taking this approach, the goals as defined in each communities' 2010/2011 plan have been redefined. The overall intent is consistent; however, the language and content of the statements has been slightly modified as outlined in the mitigation action status report (see Appendix G).

The following provides definitions of how goals and implementing strategies relate to one another:

- ▶ **Goals** – A broad based statement of intent that establishes the direction for the Regional Hazard Mitigation Plan. Goals state desired outcomes for the overall implementation process.
- ▶ **Implementing Strategies** – A project specific strategy aimed at mitigation and involving a specific entity, interest, and funding mechanism.

As noted, goals are statements of desirable future conditions that are to be achieved. They are broad in scope and assist in setting community priorities. The following goals will provide the basis for the implementation strategies that will be included in this section, some of which are already being administered and implemented locally. These goals take into account the strategic goals outlined within each participating jurisdictions' existing plan.

1. Reduce the risk of loss of life and personal injury from natural hazards.
2. Reduce the risk and impact of future natural disasters by regulating development in known high hazard areas.
3. Maintain critical facilities in functional order.
4. Protect infrastructure from damage.
5. Ensure that hazard mitigation is considered when redevelopment occurs after a natural disaster.
6. Provide education to citizens that empowers them to protect themselves and their families from natural hazards.
7. Fulfill Federal and State requirements for receipt of future disaster recovery and hazard mitigation assistance.
8. Improve interjurisdictional cooperation and coordination, especially regarding the reduction of natural hazard impacts.

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Tables 65 to 70 outlines all implementing strategies developed through the Pamlico Sound regional planning process. The tables also provide guidance relating to funding sources, priority, and a variety of other information required to effectively implement the plan.

The actions in the following tables have been ranked based on a cost-benefit review conducted by the Regional MAC through the planning process. Each implementing action has been provided a priority of low, medium, or high based on this review. The following provides a breakdown of the factors utilized to conduct this cost benefit review:

1. **High Priority** – Highly cost-effective, administratively feasible and politically feasible strategies that should be implemented in fiscal years 2015/2016 and 2016/2017 and be continued.

2. **Medium Priority** – Strategies that have at least two of the following characteristics (but not all three) and should be implemented in fiscal years 2016/2017 to 2017/2018:
 - Highly cost-effective; or
 - Administratively feasible, given current levels of staffing and resources; or
 - Are politically popular and supportable given the current environment.

3. **Low Priority** – Strategies that have at least one of the following characteristics (but not two or three) and should be implemented in the next five(5) years (by the end of 2018/2020):
 - Highly cost-effective; or
 - Administratively feasible, given current levels of staffing and resources; or
 - Are politically popular and supportable given the current environment.

Strategies will be implemented earlier if resources are available. It should also be noted that projects or initiatives given low priority may be ultimately contingent upon grant funding.

The following tables provide a detailed breakdown of specific mitigation strategies that will aid the region and all participating jurisdictions in furthering the goals discussed within this section of the plan. These implementing strategies are intended to address the next five years. Subsequent to this period, the MAC will revisit these actions as outlined within Section 7, Plan Maintenance. The implementing strategies have been broken down into independent sections including: Regional mitigation strategies, Beaufort County mitigation strategies, Carteret County mitigation strategies, Craven County mitigation strategies, Hyde County mitigation strategies and Pamlico County mitigation strategies.

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It should be noted that in devising the strategies outlined in this section, the Regional MAC took the following factors into consideration:

- ▶ The strategy will solve the problem it is intended to solve, or begin to develop a solution.
- ▶ The strategy meets at least one community mitigation goal.
- ▶ The strategy complies with all laws and regulations.
- ▶ The strategy is cost-beneficial.
- ▶ The community implementing the strategy has (or will have) the capability to do so.
- ▶ The strategy is environmentally sound.
- ▶ The strategy is technically feasible.
- ▶ The strategy will further the County's standing in the NFIP.

The overriding consideration in deciding whether a strategy should be established and/or maintained was whether the project or initiative was cost-beneficial. The MAC reviewed each potential statement based on the overall benefit in relation to the financial and staff resources required for implementation.

Acronyms provided in the funding source column of Tables 66-70 are defined as follows:

- ▶ GF - General Funds
- ▶ HMGP - Hazard Mitigation Grant Program
- ▶ PDM - Pre-Disaster Mitigation
- ▶ UHMA - Unified Hazard Mitigation Assistance
- ▶ PA - Public Assistance
- ▶ USACE - US Army Corps of Engineers
- ▶ NCDENR - NC Department of Environment and Natural Resources
- ▶ NCDOT - NC Department of Transportation
- ▶ NCDPS - NC Department of Public Safety
- ▶ NCDPH - NC Department of Public Health
- ▶ NCCE - NC Cooperative Extension
- ▶ NCFS - NC Forest Service
- ▶ ARC - American Red Cross

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Table 65. Pamlico Sound Regional Mitigation Strategies

Number	Strategy	Responsible Party/Dept.
R1	Participating Counties will work together to educate citizens about the availability of their respective Special Needs Registry. These efforts will involve not only education, but outreach regarding how and where to enroll appropriately to ensure that assistance will be provided in the event of a natural or man-made disaster requiring evacuation and sheltering.	<ul style="list-style-type: none"> ■ Participating County Emergency Management ■ Participating County Administration
R2	Emergency Management Departments for each participating County will work collectively to integrate regional response capabilities into annual exercises organized through North Carolina Emergency Management. These efforts will be focused on the sharing of available resources including: equipment, sheltering, and manpower.	<ul style="list-style-type: none"> ■ Participating County Emergency Management ■ Participating County Administration
R3	Participating Counties will consider all of the local and regional data, information, and strategies outlined within this plan when carrying out duties and responsibilities associated with the respective County's Local Emergency Planning Committee (LEPC).	<ul style="list-style-type: none"> ■ Participating County Emergency Management ■ Participating County Administration
R4	When possible, Participating Counties involved in the Community Rating System (CRS) will aim to leverage efforts regarding compliance with the program. This strategy will attempt to reduce redundancy and staff time investment in establishing and/or maintaining compliance with the updated program.	<ul style="list-style-type: none"> ■ Participating County Administration
R5	Participating Counties will work together to ensure that the sheltering needs of each community are adequately addressed. These efforts will involve coordination between County Emergency Management Departments, NCEM, and the American Red Cross.	<ul style="list-style-type: none"> ■ Participating County Emergency Management ■ NC Emergency Management ■ American Red Cross
R6	Participating Counties will work together as a regional Mitigation Advisory Committee to identify and, when possible, address drainage issues of regional significance/ concern. These efforts will also include the input and involvement of NC State Agencies.	<ul style="list-style-type: none"> ■ Participating County Administrations ■ NC Department of Transportation ■ NC Department of Environment and Natural Resources ■ NC Emergency Management
R7	Participating Counties will work together in an effort to educate citizens about hazard mitigation and public safety issues and efforts underway throughout the Region. These efforts will involve the recruitment and engagement of volunteer groups to address a range of issues relating to mitigation and emergency response.	<ul style="list-style-type: none"> ■ Participating County Emergency Management ■ Participating County Administration
R8	Participating Counties will be open to establishing and maintaining mutual aid agreements focused on providing emergency assistance in the form of manpower, equipment, and sheltering in the event of a natural disaster. Resource allocation will be determined on an as needed basis.	<ul style="list-style-type: none"> ■ Participating County Emergency Management ■ Participating County Administration
R9	Participating Counties will work together on all future regional planning efforts relating to land use, emergency management, and stormwater management.	<ul style="list-style-type: none"> ■ Participating County Administration
R10	Participating Counties will maintain representation on the Pamlico Sound Regional Mitigation Advisory Committee and will participate in the five year update of this plan.	<ul style="list-style-type: none"> ■ Pamlico Sound Regional Mitigation Advisory Committee

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Table 66. Beaufort County Mitigation Strategies

Number	Strategy	Goal Addressed (see page 6-3)	Hazard Addressed (see page 3-1)	Applicable Jurisdictions	Priority	Responsible Party/Dept.	Funding Sources
B1	Continue to include hazard mitigation policies in all CAMA Land Use Plan updates.	1, 2, 5, 7, 8	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	Beaufort County, Aurora, Bath, Belhaven, Chocowinity, Pantego, Washington, Washington Park	High	<ul style="list-style-type: none"> ▪ Beaufort County Administration ▪ Municipal Administrations 	GF, NCDENR
B2	Continue to coordinate all development/planning decisions with review of appropriate CAMA LUP's including stated redevelopment policies and actions.	1, 2, 5, 7, 8	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	Beaufort County, Aurora, Bath, Belhaven, Chocowinity, Pantego, Washington, Washington Park	High	<ul style="list-style-type: none"> ▪ Beaufort County Administration ▪ Beaufort County Planning Dept. ▪ Washington Planning Dept. ▪ Municipal Administrations 	GF, NCDENR
B3	Maintain reciprocal mutual aid agreements with surrounding communities for fire protection and emergency response.	1, 3, 7, 8	1, 2, 3, 4, 5, 6, 7	Beaufort County, Aurora, Bath, Belhaven, Chocowinity, Pantego, Washington, Washington Park	High	<ul style="list-style-type: none"> ▪ Beaufort County Emergency Services ▪ Beaufort County Fire Marshal 	GF
B4	Evaluate adequacy of existing local early warning and emergency response communications equipment and prepare annual capital improvements plans to improve early warning and communication effectiveness before, during, and following disaster events.	1, 3, 6, 8	1, 2, 3, 4, 5, 6, 7, 8, 11	Beaufort County, Aurora, Bath, Belhaven, Chocowinity, Pantego, Washington, Washington Park	Medium	<ul style="list-style-type: none"> ▪ Beaufort County Emergency Services ▪ Beaufort County Sheriff's Dept. ▪ Municipal Administrations 	GF, NCDPS
B5	Develop standard protocols for training/certification of volunteer staff for shelter management, traffic control, first aid, etc., to improve volunteer response capability during and following disaster events, including coordination with American Red Cross personnel on an annual basis	1, 2, 6, 7	1, 2, 3, 4, 5, 6, 7, 8, 11	Beaufort County, Aurora, Bath, Belhaven, Chocowinity, Pantego, Washington, Washington Park	High	<ul style="list-style-type: none"> ▪ Beaufort County Emergency Services ▪ Beaufort County Social Services ▪ Beaufort County Schools ▪ Municipal Administrations ▪ American Red Cross 	GF, NCDPS, ARC
B6	Complete an annual evaluation of each designated emergency shelter, including structural inspection, resource inventory, staffing plan, and vulnerability assessment, including coordination with American Red Cross personnel.	1, 2, 4, 7	1, 2, 3, 4, 5, 6, 7, 8, 10, 11	Beaufort County, Aurora, Bath, Belhaven, Chocowinity, Pantego, Washington, Washington Park	High	<ul style="list-style-type: none"> ▪ Beaufort County Emergency Services ▪ Municipal Administrations ▪ American Red Cross 	GF, NCDPS, ARC

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Number	Strategy	Goal Addressed (see page 6-3)	Hazard Addressed (see page 3-1)	Applicable Jurisdictions	Priority	Responsible Party/Dept.	Funding Sources
B7	Maintain information on county and local websites concerning location of approved shelter facilities and to ensure citizens that shelter facilities are the safest option in a major disaster event.	1, 6, 7, 8	1, 2, 3, 4, 5, 6, 7, 8, 10, 11	Beaufort County, Aurora, Bath, Belhaven, Chocowinity, Pantego, Washington, Washington Park	High	<ul style="list-style-type: none"> ▪ Beaufort County Emergency Services ▪ Beaufort County Social Services ▪ Beaufort County Schools ▪ Municipal Administrations ▪ American Red Cross 	GF, ARC
B8	Provide citizens and visitors with maps of evacuation routes which will facilitate the evacuation of the county in case of a hazardous event.	1, 4, 6, 7	1, 2, 3, 6, 7, 11	Beaufort County, Aurora, Bath, Belhaven, Chocowinity, Pantego, Washington, Washington Park	Medium	<ul style="list-style-type: none"> ▪ Beaufort County Emergency Services ▪ Municipal Administrations ▪ NC Department of Transportation 	GF, NCDPS
B9	Continue to ensure adequate evacuation warning in case of major hazard event.	1, 4, 6, 7	1, 2, 3, 6, 7, 11	Beaufort County, Aurora, Bath, Belhaven, Chocowinity, Pantego, Washington, Washington Park	High	<ul style="list-style-type: none"> ▪ Beaufort County Emergency Services ▪ Municipal Administrations 	GF, NCDPS, NCDOT
B10	Continue to monitor and establish programs to maintain continuity of government operations through the County's COOP.	1, 2, 3, 4, 5, 6, 7, 8	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	Beaufort County, Aurora, Bath, Belhaven, Chocowinity, Pantego, Washington, Washington Park	Medium	<ul style="list-style-type: none"> ▪ Beaufort County Emergency Services ▪ Municipal Administrations 	GF, NCDPS
B11	Continue to support and participate in the directives of the County Emergency Operations Plan (EOP). The EOP includes evacuation procedures and response to hazards not addressed in this plan such as hazardous materials, petroleum products, hazardous waste, nuclear threat/attack, and civil disorder. The County will review and update the EOP annually to ensure that it coordinates with the most recent NCEM and NCOEMS directives.	1, 2, 3, 4, 5, 6, 7, 8	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	Beaufort County, Aurora, Bath, Belhaven, Chocowinity, Pantego, Washington, Washington Park	High	<ul style="list-style-type: none"> ▪ Beaufort County Emergency Services ▪ Municipal Administrations 	GF, NCDPS

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Number	Strategy	Goal Addressed (see page 6-3)	Hazard Addressed (see page 3-1)	Applicable Jurisdictions	Priority	Responsible Party/Dept.	Funding Sources
B12	Continue to apply for grant funds, allocate local funding, and work with local electric service providers to procure and maintain back-up generators/transfer switches for all critical public facilities, with an emphasis on emergency services facilities, critical water/sewer facilities, and shelter facilities. Evaluate the equipment on a regular basis to assure it continues to meet the needs of the operations occurring at each facility. Back-up generators are still needed at the following facilities: Southside High School, S.W. Snowden Elementary School, and John Cotten Tayloe Elementary School.	1, 4, 5, 7	1, 2, 3, 4, 5, 6, 7	Beaufort County, Aurora, Bath, Belhaven, Chocowinity, Pantego, Washington, Washington Park	Medium	<ul style="list-style-type: none"> ■ Beaufort County Emergency Services ■ Beaufort County Planning Dept. ■ Municipal Administrations 	GF, NCDPS, NCDOT, HMGP
B13	Hold an annual public hazard mitigation meeting, attended by the MAC and participating jurisdictions, to educate the public and elected officials and receive comments about the location of high risk facilities/development, the jurisdictions' overall vulnerability to natural and man-made hazards, and the jurisdictions' hazards mitigation efforts.	1, 2, 3, 4, 5, 6, 7, 8	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	Beaufort County, Aurora, Bath, Belhaven, Chocowinity, Pantego, Washington, Washington Park	Medium	<ul style="list-style-type: none"> ■ Beaufort County Emergency Services ■ Beaufort County MAC ■ Municipal Administrations 	GF
B14	Maintain the Hazard Mitigation Advisory Committee (MAC) and hold annual MAC meetings to continue relationship-building and communicate about mitigation measures taking place throughout the community.	1, 2, 3, 4, 5, 6, 7, 8	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	Beaufort County, Aurora, Bath, Belhaven, Chocowinity, Pantego, Washington, Washington Park	High	<ul style="list-style-type: none"> ■ Beaufort County Emergency Services ■ Beaufort County MAC ■ Municipal Administrations 	GF

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Number	Strategy	Goal Addressed (see page 6-3)	Hazard Addressed (see page 3-1)	Applicable Jurisdictions	Priority	Responsible Party/Dept.	Funding Sources
B15	Work on the five-year implementation of the plan. At the end of this five-year period, the County will undertake efforts to update this plan including the following ten (10) planning steps: (1) Organize to prepare the plan, (2) Involve the public, (3) Coordinate with other agencies, (4) Assess the hazard, (5) Assess the problem, (6) Set goals, (7) Review possible activities, (8) Draft an action plan, (9) Adopt the plan, and (10) Implement, evaluate, and revise.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	Beaufort County, Aurora, Bath, Belhaven, Chocowinity, Pantego, Washington, Washington Park	High	<ul style="list-style-type: none"> ▪ Beaufort County Emergency Services ▪ Beaufort County MAC ▪ Municipal Administrations 	GF, NCDPS, HMGP, PDM
B16	Maintain continual contact/working relationship with electric service providers in the county to address the following: (1) Disaster preparedness techniques (e.g., tree trimming, vegetation planting requirements, pole replacement); (2) Identification of critical electrical facilities needing retrofit or upgrade and map with elevation reference marks; (3) Identification of problem areas and potential solutions; and (4) Communication with county officials during and immediately after a natural hazard event that results in loss of electrical power.	1, 4, 7, 8	1, 2, 4, 5, 6	Beaufort County, Aurora, Bath, Belhaven, Chocowinity, Pantego, Washington, Washington Park	High	<ul style="list-style-type: none"> ▪ Beaufort County Emergency Services ▪ Beaufort County MAC ▪ Municipal Administrations ▪ Local Electric Service Providers 	GF
B17	Monitor trees and vegetation on publicly-owned property to assure that no property or utility damage will occur as a result of diseased or dying trees or other vegetation. This strategy only applies to the municipal jurisdictions.	1, 4, 5, 7	1, 2, 4, 5, 6	Aurora, Bath, Belhaven, Chocowinity, Pantego, Washington, Washington Park	Medium	<ul style="list-style-type: none"> ▪ Municipal Administrations ▪ Local Electric Service Providers 	Electric Service Providers

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Number	Strategy	Goal Addressed (see page 6-3)	Hazard Addressed (see page 3-1)	Applicable Jurisdictions	Priority	Responsible Party/Dept.	Funding Sources
B18	Continue to maintain all property acquired with public mitigation funds within the Special Flood Hazard Area (SFHA) as undisturbed open space in perpetuity. Continue to pro-actively establish open space within the floodplain and floodway as grant funds become available to carry out this initiative.	1, 2, 5, 6, 7	1, 2, 3, 5, 10, 11, 13	Beaufort County, Aurora, Bath, Belhaven, Chocowinity, Pantego, Washington, Washington Park	High	<ul style="list-style-type: none"> ▪ Beaufort County Administration ▪ Beaufort County Planning Dept. ▪ Municipal Administrations ▪ Municipal Planning Departments 	GF
B19	Integrate new greenway and public park improvements into comprehensive planning and capital improvement efforts (including coordination with all local certified CAMA Land Use Plans).	1, 2, 7	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	Beaufort County, Aurora, Bath, Belhaven, Chocowinity, Pantego, Washington, Washington Park	Low	<ul style="list-style-type: none"> ▪ Beaufort County Administration ▪ Beaufort County Planning Dept. ▪ Municipal Administrations ▪ Municipal Planning Departments 	GF, NCDENR
B20	Annually review local floodplain ordinances to provide improved flood protection standards and require freeboard for retrofitting and new construction as required by NC State Building Code. The County will consider increasing the county freeboard requirement from 12 inches to 24 inches.	1, 2, 5, 7	1, 2, 3, 5, 10, 11, 13	Beaufort County, Aurora, Bath, Belhaven, Chocowinity, Pantego, Washington, Washington Park	High	<ul style="list-style-type: none"> ▪ Beaufort County Building Inspections ▪ Belhaven Building Inspections ▪ Washington Building Inspections 	GF, NCDPS
B21	Maintain and improve the capabilities of local Geographic Information System (GIS) with respect to risk mapping and the availability of flood hazard data and other hazard information to the public.	1, 2, 3, 4, 5, 6, 7, 8	1, 2, 3, 5, 10, 11, 13	Beaufort County, Aurora, Bath, Belhaven, Chocowinity, Pantego, Washington, Washington Park	High	<ul style="list-style-type: none"> ▪ Beaufort County Tax Department ▪ Belhaven Building Inspection ▪ Washington Planning Department 	GF

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Number	Strategy	Goal Addressed (see page 6-3)	Hazard Addressed (see page 3-1)	Applicable Jurisdictions	Priority	Responsible Party/Dept.	Funding Sources
B22	Continue to require a finished floor elevation certificate for all development within the Special Flood Hazard Area (SFHA) within both incorporated and unincorporated portions of the county. All elevation certificates should be submitted on an official FEMA elevation certificate. No certificate of occupancy shall be issued for any development within a defined SFHA without the submittal of the required elevation certificate. All elevation certificates shall be kept on file by the county or municipality.	1, 2, 6, 7	1, 2, 3, 5, 10, 11, 13	Beaufort County, Aurora, Bath, Belhaven, Chocowinity, Pantego, Washington, Washington Park	High	<ul style="list-style-type: none"> ▪ Beaufort County Building Inspections ▪ Belhaven Building Inspections ▪ Washington Building Inspections 	GF, NCDPS
B23	Maintain current listings of Severe Repetitive Loss properties and conduct annual outreach activities to encourage homeowners to participate in FEMA-sponsored residential acquisition and elevation programs; continue to apply for HMGP/HMA funding for residential acquisition and elevation.	1, 2, 7	1, 2, 3, 5, 10, 11, 13	Beaufort County, Aurora, Bath, Belhaven, Chocowinity, Pantego, Washington, Washington Park	High	<ul style="list-style-type: none"> ▪ Beaufort County Administration ▪ Municipal Administrations 	GF, NCDPS, HMGP, PDM, UHMA
B24	Encourage County Commissioners and elected officials of non-CRS communities to participate in the Community Rating System.	1, 2, 3, 4, 5, 6, 7, 8	1, 2, 3, 5, 10, 11, 13	Beaufort County, Aurora, Bath, Chocowinity, Pantego	Medium	<ul style="list-style-type: none"> ▪ Beaufort County Board of Commissioners ▪ Beaufort County Administration ▪ Beaufort County Emergency Services ▪ Beaufort County MAC ▪ Municipal Governing Boards ▪ Municipal Administrations 	GF, NCDPS, HMGP, PDM, UHMA

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B25	Maintain a map information service involving the following: (1) Provide information relating to Flood Insurance Rate Maps (FIRM) to all inquirers, including a provision of information on whether a given property is located within a flood hazard area, (2) Provide information regarding the flood insurance purchase requirement, (3) Maintain historical and current FIRMs, (4) Advertise once annually in the local newspaper the availability of FIRMs, and (5) Provide information to inquirers about local floodplain management requirements.	1, 2, 4, 6	1, 2, 3, 5, 10, 11, 13	Beaufort County, Aurora, Bath, Belhaven, Chocowinity, Pantego, Washington, Washington Park	High	<ul style="list-style-type: none"> ▪ Beaufort County Administration ▪ Municipal Administrations 	GF
B26	Provide information on county/city/town websites informing the public where they can obtain information about their property's location within respect to the special flood hazard area, and where they can obtain information about the incidence of flood events and losses incurred during historic flood events.	1, 2, 4, 6	1, 2, 3, 5, 10, 11, 13	Beaufort County, Belhaven, Washington, Washington Park (CRS Action)	Medium	<ul style="list-style-type: none"> ▪ Beaufort County Planning Department ▪ Belhaven Administration ▪ Washington Planning Department 	GF, NCDPS
B27	Continue to work with local real estate agencies to ensure that agents are informing clients when property for sale is located within an SFHA. The county will provide these agencies with brochures documenting the concerns relating to development located within the floodprone areas and ways that homeowners may make their home more disaster resistant to strong winds, lightning, and heavy rains.	1, 2, 4, 6	1, 2, 3, 5, 10, 11, 13	Beaufort County, Belhaven, Washington, Washington Park	High	<ul style="list-style-type: none"> ▪ Beaufort County Emergency Services ▪ Belhaven Administration ▪ Washington Planning Department 	GF, NCDPS

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B28	Make information regarding hazards and development regulations within floodplains available through the following: (1) Ensure that local libraries maintain information relating to flooding and flood protection, (2) Provide a link on the municipal website to FEMA resources addressing flooding and flood protection, evacuation procedures, disaster preparedness, and post-disaster recovery, and (3) Provide website links to relevant hazard mitigation measures.	1, 2, 4, 6	1, 2, 3, 5, 10, 11, 13	Belhaven, Washington, Washington Park	High	<ul style="list-style-type: none"> ▪ Belhaven Administration ▪ Washington Administration 	GF, NCDPS
B29	Promote national “awareness” weeks (i.e., hurricane preparedness, severe weather preparedness, etc.) through local media. (“Awareness” weeks are listed on the National Weather Service website at http://www.nws.noaa.gov/os/severeweather/severewxcal.shtml)	1, 2, 6, 7	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	Beaufort County, Aurora, Bath, Belhaven, Chocowinity, Pantego, Washington, Washington Park	Medium	<ul style="list-style-type: none"> ▪ Beaufort County Emergency Services 	GF, NCDPS
B30	Educate the general public to the importance of weather alert radios and systems that can operate on alternative power and can provide up-to-the-moment information regarding locations of severe storms and possible tornadoes.	1, 6, 7, 8	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	Beaufort County, Aurora, Bath, Belhaven, Chocowinity, Pantego, Washington, Washington Park	Low	<ul style="list-style-type: none"> ▪ Beaufort County Emergency Services 	GF, NCDPS, ARC
B31	Maintain a Hazardous Material Action Plan that addresses the proper containment of spills, etc. This effort will be coordinated with the county LEPC.	1, 2, 6, 7	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	Beaufort County, Aurora, Bath, Belhaven, Chocowinity, Pantego, Washington, Washington Park	High	<ul style="list-style-type: none"> ▪ Beaufort County Emergency Services ▪ Washington Fire Department 	GF, NCDPS
B32	Continue to support the NC Office of Dam Safety’s efforts to monitor and inspect all dams throughout the state. The county will rely on this agency to ensure that all upstream dam facilities, both public and private, are properly maintained and stable.	1, 2, 7	10	Beaufort County, Aurora, Bath, Belhaven, Chocowinity, Pantego, Washington, Washington Park	Low	<ul style="list-style-type: none"> ▪ Beaufort County Emergency Services 	GF, NCDENR

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Number	Strategy	Goal Addressed (see page 6-3)	Hazard Addressed (see page 3-1)	Applicable Jurisdictions	Priority	Responsible Party/Dept.	Funding Sources
B33	Continue to inventory and map Beaufort County's significant man-made hazards and coordinate reporting requirements, monitoring, and emergency response in accordance with the county's Emergency Operations Plan.	1, 2, 4, 6	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	Beaufort County, Aurora, Bath, Belhaven, Chocowinity, Pantego, Washington, Washington Park	High	<ul style="list-style-type: none"> ■ Beaufort County Emergency Services ■ Beaufort County LEPC 	GF
B34	Provide manufactured home vendors, lenders, and buyers with information on proper construction, installation, and foundation specifications in accordance with appropriate HUD/FHA/FEMA and NC Department of Insurance requirements; provide information to the public related to wind-resistant construction methods.	1, 2, 5, 7	1, 2, 5, 6	Beaufort County, Aurora, Bath, Belhaven, Chocowinity, Pantego, Washington, Washington Park	Medium	<ul style="list-style-type: none"> ■ Beaufort County Building Inspections ■ Belhaven Building Inspections ■ Washington Building Inspections 	GF, NCDPS
B35	Monitor natural and man-made drainage structures to ensure they are clear and functioning properly; prioritize needed drainage projects and review funding alternatives annually.	1, 2, 8	1, 2, 3, 5, 10, 11, 13	Aurora, Bath, Belhaven, Chocowinity, Pantego, Washington, Washington Park	High	<ul style="list-style-type: none"> ■ Municipal Administrations 	GF, NCDENR, NCDOT
B36	Improve monitoring of hazardous material transport at Norfolk Southern Railroad railyard facility near Chocowinity; improve communication with railroad officials and public information efforts related to this activity.	1, 2, 8	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	Beaufort County, Aurora, Bath, Belhaven, Chocowinity, Pantego, Washington, Washington Park	High	<ul style="list-style-type: none"> ■ Beaufort County Emergency Services ■ Beaufort County LEPC 	GF, NCDPS
B37	Improve monitoring of hazardous material manufacturing, storage, and transport at PotashCorp facility and associated Norfolk Southern Railroad operations near Aurora; improve communication with corporate and railroad officials and public information efforts related to this activity.	1, 2, 8	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	Beaufort County, Aurora, Bath, Belhaven, Chocowinity, Pantego, Washington, Washington Park	High	<ul style="list-style-type: none"> ■ Beaufort County Emergency Services ■ PotashCorp ■ Norfolk Southern Railroad 	GF, NCDPS
B38	Work with citizen representatives and PotashCorp personnel to assess and improve emergency response procedures and specific mitigation actions related to the possible release of hazardous materials at the PotashCorp facility near Aurora.	1, 2, 8	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	Beaufort County, Aurora, Bath, Belhaven, Chocowinity, Pantego, Washington, Washington Park	High	<ul style="list-style-type: none"> ■ Beaufort County Emergency Services 	GF, NCDPS

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Table 67. Carteret County Mitigation Strategies

Number	Strategy	Goal Addressed (see page 6-3)	Hazard Addressed (see page 3-1)	Applicable Jurisdictions	Priority	Responsible Party/Dept.	Funding Sources
CA1	Address the sheltering needs of County residents. Continue to work on improving the preparedness of all existing shelter facilities, including the installation of on-site transformers at all shelter locations. Maintain updated information regarding all shelters on the County website. Continue support of the NC Coastal Region Evacuation and Sheltering (CRES) plan aimed at providing inland sheltering resources for coastal counties and preparation and adoption of a county sheltering plan.	1, 2, 4, 7, 8	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13	Carteret County, Atlantic Beach, Beaufort, Bogue, Cape Carteret, Cedar Point, Emerald Isle, Indian Beach, Morehead City, Newport, Peletier, Pine Knoll Shores	High	<ul style="list-style-type: none"> ▪ Carteret County Emergency Services ▪ Carteret County Social Services 	GF, NCDPS, ARC
CA2	Provide information regarding evacuation procedures and routes through County and municipal websites, as well as other means when feasible. These efforts will involve assisting the Towns of Atlantic Beach, Cape Carteret, Indian Beach, Morehead City, and Pine Knoll Shores with efforts relating to bridge closures and re-entry policies and procedures. As part of these efforts, the County will make handouts available for citizens and visitors outlining evacuation routes and procedures.	1, 2, 4, 7, 8	1, 2, 3, 5, 6	Carteret County, Atlantic Beach, Beaufort, Bogue, Cape Carteret, Cedar Point, Emerald Isle, Indian Beach, Morehead City, Newport, Peletier, Pine Knoll Shores	High	<ul style="list-style-type: none"> ▪ Carteret County Emergency Services ▪ NC Highway Patrol ▪ Atlantic Beach Administration ▪ Cape Carteret Administration ▪ Indian Beach Administration ▪ Morehead City Administration ▪ Pine Knoll Shores Administration 	GF, NCDPS
CA3	Continue to maintain the County's Continuity of Operations Plan in an effort to ensure ongoing governmental operations following a natural or man-made disaster event. The County, in conjunction with all participating municipal jurisdictions, will review this plan annually and update as deemed necessary.	1, 2, 3, 4, 5, 6, 7, 8	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	Carteret County, Atlantic Beach, Beaufort, Bogue, Cape Carteret, Cedar Point, Emerald Isle, Indian Beach, Morehead City, Newport, Peletier, Pine Knoll Shores	High	<ul style="list-style-type: none"> ▪ Carteret County Emergency Services ▪ Municipal Administrations 	GF, NCDPS

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Number	Strategy	Goal Addressed (see page 6-3)	Hazard Addressed (see page 3-1)	Applicable Jurisdictions	Priority	Responsible Party/Dept.	Funding Sources
CA4	Annually review and update the County's Emergency Operations Plan (EOP) to ensure compliance with all NCEM and NCOEMS procedures and policies. Through these updates, the County will work closely with all participating municipalities to ensure that all jurisdictions continue to be educated and prepared for activation of the EOP in the event of a disaster event.	1, 2, 3, 4, 5, 6, 7, 8	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	Carteret County, Atlantic Beach, Beaufort, Bogue, Cape Carteret, Cedar Point, Emerald Isle, Indian Beach, Morehead City, Newport, Peletier, Pine Knoll Shores	High	<ul style="list-style-type: none"> ▪ Carteret County Emergency Services 	GF, NCDPS
CA5	Maintain, and where necessary, establish backup generators at all identified critical facilities. Additionally, County Emergency Services will evaluate the equipment on a regular basis to assure it continues to meet operational demands at county facilities.	4, 6	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11	Carteret County, Atlantic Beach, Beaufort, Bogue, Cape Carteret, Cedar Point, Emerald Isle, Indian Beach, Morehead City, Newport, Peletier, Pine Knoll Shores	High	<ul style="list-style-type: none"> ▪ Carteret County Emergency Services ▪ Independent Facility Operators ▪ Town Public Utilities 	GF, NCDPS, NCDOT, HMGP
CA6	Maintain a contract with a qualified post-disaster recovery service provider. This contract will include the provision of essential services and equipment, including generators, and will include documentation required for reimbursement from FEMA/NCEM.	2, 4, 7, 8	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11	Carteret County, Atlantic Beach, Beaufort, Bogue, Cape Carteret, Cedar Point, Emerald Isle, Indian Beach, Morehead City, Newport, Peletier, Pine Knoll Shores	High	<ul style="list-style-type: none"> ▪ Carteret County Governing Board ▪ Municipal Governing Boards 	GF, HMGP
CA7	Hold a public information meeting (once annually) aimed at educating the public and elected officials about the jurisdictions' overall vulnerability to natural and man-made hazards, and the jurisdictions' hazard mitigation efforts.	1, 2, 4, 6	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	Carteret County, Atlantic Beach, Beaufort, Bogue, Cape Carteret, Cedar Point, Emerald Isle, Indian Beach, Morehead City, Newport, Peletier, Pine Knoll Shores	Medium	<ul style="list-style-type: none"> ▪ Carteret County Emergency Services ▪ Carteret County Planning ▪ Municipal Administrations 	GF

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Number	Strategy	Goal Addressed (see page 6-3)	Hazard Addressed (see page 3-1)	Applicable Jurisdictions	Priority	Responsible Party/Dept.	Funding Sources
CA8	Maintain the County's Mitigation Advisory Committee (MAC) in an effort to coordinate implementation and update of the Pamlico Sound Regional Hazard Mitigation Plan.	1, 2, 3, 4, 5, 6, 7, 8	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	Carteret County, Atlantic Beach, Beaufort, Bogue, Cape Carteret, Cedar Point, Emerald Isle, Indian Beach, Morehead City, Newport, Peletier, Pine Knoll Shores	High	<ul style="list-style-type: none"> ▪ Carteret County MAC 	GF, NCDPS
CA9	Continue to work on the five-year implementation of the HMP. At the end of this five-year period, the County will undertake efforts to update the plan including the following ten (10) steps: (1) Organize to prepare the plan, (2) Involve the public, (3) Coordinate with other agencies, (4) Assess the hazard, (5) Assess the problem, (6) Set goals, (7) Review possible activities, (8) Draft an action plan, (9) Adopt the plan, and (10) Implement, evaluate, and revise.	1, 2,3, 4, 5, 6, 7, 8	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	Carteret County, Atlantic Beach, Beaufort, Bogue, Cape Carteret, Cedar Point, Emerald Isle, Indian Beach, Morehead City, Newport, Peletier, Pine Knoll Shores	High	<ul style="list-style-type: none"> ▪ Carteret County Emergency Services ▪ Carteret County MAC ▪ Municipal Administrations 	GF, NCDPS, HMGP, PDM, UHMA
CA10	Continue to maintain the County's Crisis Management System in an effort to efficiently deal with emergency situations. These efforts will involve training for officials and relevant staff regarding use of the program.	2, 4, 6, 7	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	Carteret County, Atlantic Beach, Beaufort, Bogue, Cape Carteret, Cedar Point, Emerald Isle, Indian Beach, Morehead City, Newport, Peletier, Pine Knoll Shores	High	<ul style="list-style-type: none"> ▪ Carteret County Emergency Services ▪ Carteret County Planning 	GF, NCDPS

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Number	Strategy	Goal Addressed (see page 6-3)	Hazard Addressed (see page 3-1)	Applicable Jurisdictions	Priority	Responsible Party/Dept.	Funding Sources
CA11	Meet annually with all electric service providers operating within the County prior to hurricane season, in preparation for the effects of severe weather, and will provide the preliminary planning steps required for effective post-disaster recovery.	1, 4, 5, 6, 7	1, 2, 3, 5, 6	Carteret County, Atlantic Beach, Beaufort, Bogue, Cape Carteret, Cedar Point, Emerald Isle, Indian Beach, Morehead City, Newport, Peletier, Pine Knoll Shores	High	<ul style="list-style-type: none"> ▪ Carteret County Emergency Services ▪ Municipal Administrations 	GF, NCDPS, Electric Service Providers
CA12	Maintain all property acquired within the Special Flood Hazard Area (SFHA) as undisturbed open space in perpetuity. Continue to proactively establish open space within the floodplain and floodway as HMGP grant funds become available to carry out this initiative.	2, 5, 6, 7, 8	1, 2, 3, 5, 10, 11	Carteret County, Atlantic Beach, Beaufort, Bogue, Cape Carteret, Cedar Point, Emerald Isle, Indian Beach, Morehead City, Newport, Peletier, Pine Knoll Shores	High	<ul style="list-style-type: none"> ▪ Carteret County Planning ▪ Municipal Administrations 	GF, NCDPS
CA13	Integrate, when feasible, new greenway and public park improvements into comprehensive planning and capital improvement efforts (including coordination with the County's certified CAMA Land Use Plans).	1, 2, 6, 7	1, 2, 3, 5, 10, 11	Carteret County, Morehead City	Medium	<ul style="list-style-type: none"> ▪ Carteret County Parks and Recreation ▪ Carteret County Planning ▪ Morehead City Parks and Recreation 	GF, NCDENR
CA14	Maintain reciprocal mutual aid agreements with all neighboring communities in an effort to ensure adequate fire protection throughout the County. Additionally, all jurisdictions will provide preventive maintenance efforts to ensure the fire hydrants and equipment are working properly.	1, 2, 4, 7	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	Carteret County, Atlantic Beach, Beaufort, Bogue, Cape Carteret, Cedar Point, Emerald Isle, Indian Beach, Morehead City, Newport, Peletier, Pine Knoll Shores	High	<ul style="list-style-type: none"> ▪ Carteret County Emergency Services ▪ Municipal Administrations ▪ Volunteer Fire Departments 	GF, NCDPS

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Number	Strategy	Goal Addressed (see page 6-3)	Hazard Addressed (see page 3-1)	Applicable Jurisdictions	Priority	Responsible Party/Dept.	Funding Sources
CA15	Review and update respective Flood Damage Prevention Ordinances as deemed necessary. Once annually, all jurisdictions will conduct a review to ensure that the current FDPO is compliant with all FEMA and NCEM mandates.	1, 2, 4, 5	1, 2, 3, 5, 10, 11	Carteret County, Atlantic Beach, Beaufort, Bogue, Cape Carteret, Cedar Point, Emerald Isle, Indian Beach, Morehead City, Newport, Peletier, Pine Knoll Shores	High	<ul style="list-style-type: none"> ▪ Carteret County Planning ▪ Municipal NFIP participants 	GF, NCDPS
CA16	Maintain and map GIS-based data related to floodplain management and mitigation. These efforts will involve maintaining the most recent Flood Insurance Rate Maps (FIRMs), as well as GIS locations for each property either acquired or mitigated under current or prior year mitigation grant projects. Repetitive loss areas will also be mapped through this process.	2, 4, 7, 8	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	Carteret County, Atlantic Beach, Beaufort, Bogue, Cape Carteret, Cedar Point, Emerald Isle, Indian Beach, Morehead City, Newport, Peletier, Pine Knoll Shores	High	<ul style="list-style-type: none"> ▪ Carteret County Planning ▪ Carteret County Information Technology Department ▪ Carteret County Tax Department ▪ Municipal Administrations 	GF, NCDPS
CA17	Continue to require a finished floor elevation certificate for all development within the Special Flood Hazard Area (SFHA) in both incorporated and unincorporated portions of the County. All elevation certificates will be submitted on an official FEMA elevation certificate. All elevation certificates shall be kept on file by the County or municipalities.	1, 2, 3, 4, 6	1, 2, 3, 5, 10, 11	Carteret County, Atlantic Beach, Beaufort, Bogue, Cape Carteret, Cedar Point, Emerald Isle, Indian Beach, Morehead City, Newport, Peletier, Pine Knoll Shores	High	<ul style="list-style-type: none"> ▪ Carteret County Inspections ▪ Municipal Building Inspections 	GF
CA18	Establish and/or maintain reconstruction policies that include procedures for issuance of building permits after a natural disaster.	1, 2, 4, 7	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11	Carteret County, Atlantic Beach, Beaufort, Bogue, Cape Carteret, Cedar Point, Emerald Isle, Indian Beach, Morehead City, Newport, Peletier, Pine Knoll Shores	High	<ul style="list-style-type: none"> ▪ Carteret County Planning ▪ Municipal Administrations 	GF

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Number	Strategy	Goal Addressed (see page 6-3)	Hazard Addressed (see page 3-1)	Applicable Jurisdictions	Priority	Responsible Party/Dept.	Funding Sources
CA19	Strive to maintain respective CRS ratings through implementation of a comprehensive floodplain management program.	1, 2, 3, 4, 5, 6, 7, 8	1, 2, 3, 5, 10, 11	Carteret County, Atlantic Beach, Beaufort, Cape Carteret, Cedar Point, Emerald Isle, Morehead City, Newport, Pine Knoll Shores	High	<ul style="list-style-type: none"> ▪ Carteret County Planning ▪ Municipal Administrations 	GF, NCDPS, HMGP, PDM, UHMA
CA20	Maintain a map information service involving the following: (1) Provide information relating to Flood Insurance Rate Maps (FIRMs) to all inquirers, including a provision of information on whether a given property is located with a flood hazard area; (2) Provide information regarding the flood insurance purchase requirement; (3) Maintain historical and current FIRMs; (4) Advertise once annually in the local newspaper the availability of FIRMs; and (5) Provide information to inquirers about local floodplain management requirements.	1, 2, 3, 4, 5, 6, 7, 8	1, 2, 3, 5, 10, 11	Carteret County, Atlantic Beach, Beaufort, Cape Carteret, Cedar Point, Emerald Isle, Morehead City, Newport, Pine Knoll Shores	High	<ul style="list-style-type: none"> ▪ Carteret County Planning ▪ Municipal Administrations 	GF, NCDPS
CA21	Mail a notice annually to all property owners in an effort to educate citizens about dangers associated with flooding in low-lying coastal areas.	1, 2, 5, 7	1, 2, 3, 5, 10, 11	Carteret County, Atlantic Beach, Beaufort, Cape Carteret, Cedar Point, Emerald Isle, Morehead City, Newport, Pine Knoll Shores	High	<ul style="list-style-type: none"> ▪ Carteret County Planning ▪ Municipal Administrations 	GF, NCDPS

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Number	Strategy	Goal Addressed (see page 6-3)	Hazard Addressed (see page 3-1)	Applicable Jurisdictions	Priority	Responsible Party/Dept.	Funding Sources
CA22	Continue to work with local real estate agencies to ensure that agents are informing clients when property for sale is located within a SFHA. The County will provide these agencies with brochures documenting the concerns relating to development located with the floodprone areas and ways that homeowners may make their home more disaster resistant to strong winds, lightning, and heavy rains.	1, 2, 4, 6	1, 2, 3, 5, 10, 11	Carteret County, Atlantic Beach, Beaufort, Bogue, Cape Carteret, Cedar Point, Emerald Isle, Indian Beach, Morehead City, Newport, Peletier, Pine Knoll Shores	High	<ul style="list-style-type: none"> ▪ Carteret County Planning 	GF, NCDPS
CA23	Make information regarding hazards and development regulations within floodplains available through the following: (1) Ensure that the local library maintains information relating to flooding and flood protection; (2) Provide a link on the county website to FEMA resources addressing flooding and flood protection; (3) Provide a link on all participating municipalities' websites to FEMA resources addressing flooding and flood protection, evacuation procedures, disaster preparedness, and post-disaster recovery; and (4) Provide website links to relevant hazard mitigation websites.	1, 2, 4, 6	1, 2, 3, 5, 10, 11	Carteret County, Atlantic Beach, Beaufort, Bogue, Cape Carteret, Cedar Point, Emerald Isle, Indian Beach, Morehead City, Newport, Peletier, Pine Knoll Shores	High	<ul style="list-style-type: none"> ▪ Carteret County Planning ▪ Municipal Administrations 	GF, NCDPS
CA24	Support the efforts of the Carteret County Local Emergency Planning Committee (LEPC) in their effort to address hazards associated with the storage of chemicals, noxious waste material and bulk fuel.	1, 2, 6, 7	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11	Carteret County, Atlantic Beach, Beaufort, Bogue, Cape Carteret, Cedar Point, Emerald Isle, Indian Beach, Morehead City, Newport, Peletier, Pine Knoll Shores	High	<ul style="list-style-type: none"> ▪ Carteret County LEPC 	GF, NCDPS

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CA25	Continue to support the NC Office of Dam Safety in its efforts to monitor and inspect all dams throughout the state. The County will rely on this agency to ensure that all dam facilities, both public and private, are properly maintained and stable.	1, 2, 4, 6	1, 2, 3, 6, 8, 9, 10, 11	Carteret County, Atlantic Beach, Beaufort, Bogue, Cape Carteret, Cedar Point, Emerald Isle, Indian Beach, Morehead City, Newport, Peletier, Pine Knoll Shores	High	<ul style="list-style-type: none"> ▪ Carteret County Planning ▪ Municipal Administrations 	GF, NCDPS, NCDENR
CA26	Continue to monitor water resources in an effort to mitigate the impacts of drought conditions. These efforts will include maintaining a local water shortage ordinance. This ordinance will be activated in coordination with all utility providers as the need arises.	1, 2, 7, 8	12	Carteret County, Atlantic Beach, Beaufort, Bogue, Cape Carteret, Cedar Point, Emerald Isle, Indian Beach, Morehead City, Newport, Peletier, Pine Knoll Shores	High	<ul style="list-style-type: none"> ▪ Carteret County Planning ▪ Municipal Administrations 	GF, NCDENR
CA27	In the event of a substantial flooding event or other natural hazard occurrence, perform damage assessments in coordination with NCEM. These assessments will assist the county in determining the extent of the damage caused by the respective disaster event. This data, in conjunction with the information outlined in this plan, will be utilized as a tool for land use planning and future hazard mitigation plan updates.	1, 2, 4, 7, 8	1, 2, 3, 5, 10, 11, 13	Carteret County, Atlantic Beach, Beaufort, Bogue, Cape Carteret, Cedar Point, Emerald Isle, Indian Beach, Morehead City, Newport, Peletier, Pine Knoll Shores	High	<ul style="list-style-type: none"> ▪ Carteret County Planning ▪ Municipal Administrations 	NF, NCDPS, HMGP
CA28	Review all land use planning and regulatory documents pertinent to hazard mitigation in an effort to: <ol style="list-style-type: none"> (1) Reduce exposure to natural hazards (2) Promote resource protection (3) Encourage the use of best management practices 	1, 2, 3, 4, 5, 6, 7, 8	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	Carteret County, Atlantic Beach, Beaufort, Bogue, Cape Carteret, Cedar Point, Emerald Isle, Indian Beach, Morehead City, Newport, Peletier, Pine Knoll Shores	Medium	<ul style="list-style-type: none"> ▪ Carteret County Planning ▪ Municipal Administrations 	GF

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Number	Strategy	Goal Addressed (see page 6-3)	Hazard Addressed (see page 3-1)	Applicable Jurisdictions	Priority	Responsible Party/Dept.	Funding Sources
CA29	Consider developing a hazardous materials actions plan focused on addressing the potential impacts of hazardous materials spills. Specifically, the plan will identify and address risk associated with known hazardous materials risk areas.	1, 2, 4, 6, 7	Man-made	Carteret County, Atlantic Beach, Beaufort, Bogue, Cape Carteret, Cedar Point, Emerald Isle, Indian Beach, Morehead City, Newport, Peletier, Pine Knoll Shores	Medium	<ul style="list-style-type: none"> ▪ Carteret County Emergency Services 	GF, NCDPS
CA30	Continue to enforce the NC State Building Code. Local government inspections staff will re-certify the NC State Building Code as the adopted local regulation applying to all construction activities on an annual basis. Through enforcement of the NC State Building Code, jurisdictions will work to ensure that all structures, including manufactured homes, are properly anchored to minimize potential impacts stemming from a disaster event.	1, 2, 5, 7	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13	Carteret County, Atlantic Beach, Beaufort, Bogue, Cape Carteret, Cedar Point, Emerald Isle, Indian Beach, Morehead City, Newport, Peletier, Pine Knoll Shores	High	<ul style="list-style-type: none"> ▪ Carteret County Inspections ▪ Municipal Building Inspections 	GF
CA31	Collaborate to provide education and training to local government officials in an effort to broaden understanding of public policy relating to hazard mitigation.	1, 2, 3, 4, 5, 6, 7, 8	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	Carteret County, Atlantic Beach, Beaufort, Bogue, Cape Carteret, Cedar Point, Emerald Isle, Indian Beach, Morehead City, Newport, Peletier, Pine Knoll Shores	Medium	<ul style="list-style-type: none"> ▪ Carteret County Emergency Services ▪ Carteret County Administration ▪ Municipal Administration 	GF

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Table 68. Craven County Mitigation Strategies

Number	Strategy	Goal Addressed (see page 6-3)	Hazard Addressed (see page 3-1)	Applicable Jurisdictions	Priority	Responsible Party/Dept.	Funding Sources
CR1	Review respective Comprehensive Land Use Plans annually to ensure that the Future Land Use Map adequately delineates portions of the community deemed unsuitable for development due to existing environmental conditions. This effort will also involve the identification of potential drainage easements and open space areas that will positively affect drainage conditions within areas documented as stormwater/flooding hot spots. Additionally, the County will attempt to identify portions of the County susceptible to wildfire damage.	1, 2, 5, 6, 7	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	Craven County, Bridgeton, Cove City, Dover, Havelock, New Bern, River Bend, Trent Woods, Vanceboro	High	<ul style="list-style-type: none"> ■ Craven County Planning Department ■ Craven County MAC ■ Municipal Administrations 	GF, NCDENR
CR2	Review respective Flood Damage Prevention Ordinances to assess whether any revisions and/or updates have been mandated by FEMA or NCEM. Additionally, jurisdictions will consider whether regulatory options are available to provide for more effective floodplain management.	1, 2, 4, 7	1, 2, 3, 5, 10, 11, 13	Craven County, Bridgeton, Cove City, Dover, Havelock, New Bern, River Bend, Trent Woods, Vanceboro	High	<ul style="list-style-type: none"> ■ Craven County Planning Department ■ Craven County Board of Commissioners ■ Municipal Administrations ■ Municipal Governing Boards 	GF, NCDPS
CR3	Continue to enforce the NC State Building Code. Local Government Inspections Staff will recertify the NC State Building Code as the adopted local regulation applying to all construction activities on an annual basis. Through enforcement of the NC State Building Code, jurisdictions will work to ensure that all structures, including manufactured homes, are properly anchored to minimize potential impacts stemming from a disaster event.	1, 2, 4, 7	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	Craven County, Bridgeton, Cove City, Dover, Havelock, New Bern, River Bend, Trent Woods, Vanceboro	High	<ul style="list-style-type: none"> ■ Craven County Inspections Department ■ Municipal Administrations 	GF
CR4	Maintain and update local Flood Insurance Rate Maps (FIRMs). These maps will be reviewed and formally updated as revisions become available through the North Carolina Floodplain Mapping Program.	1, 2, 5, 7	1, 2, 3, 5, 10, 11, 13	Craven County, Bridgeton, Cove City, Dover, Havelock, New Bern, River Bend, Trent Woods, Vanceboro	High	<ul style="list-style-type: none"> ■ Craven County Planning Department ■ Craven County Board of Commissioners ■ Municipal Administrations ■ Municipal Governing Boards 	GF, NCDPS

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SECTION 6. MITIGATION STRATEGIES

Number	Strategy	Goal Addressed (see page 6-3)	Hazard Addressed (see page 3-1)	Applicable Jurisdictions	Priority	Responsible Party/Dept.	Funding Sources
CR5	Continue to impose a two-foot freeboard requirement for all development located within a defined flood hazard area. Individual municipal jurisdictions are responsible for maintaining and enforcing their respective freeboard requirements (the County provides inspections services for some municipalities).	1, 2, 6, 7	1, 2, 3, 5, 10, 11, 13	Craven County, Havelock, New Bern, River Bend	High	<ul style="list-style-type: none"> ■ Craven County Inspections Department ■ Craven County Board of Commissioners ■ Municipal Administrations ■ Municipal Governing Boards 	GF, NCDPS
CR6	Maintain all FEMA Elevation Certificates and FEMA Floodproofing Certificates for non-residential structures.	1, 2, 4, 7	1, 2, 3, 5, 10, 11, 13	Craven County, Havelock, New Bern, River Bend	High	<ul style="list-style-type: none"> ■ Craven County Inspections Department ■ Craven County Planning Department ■ Municipal Inspections Departments ■ Municipal Planning Departments 	GF
CR7	Continue to support NCDENR in efforts to enforce the Neuse River Basinwide Water Quality Management Rules.	1, 4, 6, 7	1, 2, 3, 5, 10, 11, 13	Craven County, Havelock, New Bern, River Bend, Trent Woods	High	<ul style="list-style-type: none"> ■ Craven County Planning Department ■ Municipal Administrations ■ NCDENR 	GF, NCDENR
CR8	Consider the data and recommendations outlined within this plan when preparing updates to respective Capital Improvements Plans. All recommendations regarding capital expenditures will focus on siting infrastructure and public facilities outside of the Flood Hazard Area.	1, 2, 6, 7	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	Craven County, New Bern, River Bend	High	<ul style="list-style-type: none"> ■ Craven County Administration ■ Craven County Board of Commissioners ■ Municipal Administrations 	GF, NCDENR, NCDOT
CR9	Continue to proactively seek out grant funding through NCEM and FEMA for mitigation of repetitive loss properties (RLP's) from future flooding events. The County will maintain a list of RLP's, and on an annual basis, will apply for funding for all structures that meet cost-benefit thresholds as defined by FEMA. Craven County will assist all municipal jurisdictions in working through the structural mitigation grant funding process.	1, 2, 4, 5, 7	1, 2, 3, 5, 10, 11, 13	Craven County, Bridgeton, Cove City, Dover, Havelock, New Bern, River Bend, Trent Woods, Vanceboro	High	<ul style="list-style-type: none"> ■ Craven County Planning Department ■ Craven County Board of Commissioners ■ Municipal Administrations 	GF, NCDPS, HMGP, PDM, UHMA

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Number	Strategy	Goal Addressed (see page 6-3)	Hazard Addressed (see page 3-1)	Applicable Jurisdictions	Priority	Responsible Party/Dept.	Funding Sources
CR10	Coordinate with NCDENR to enforce all NC State Erosion and Sediment Control Regulations.	2, 5, 6, 8	1, 2, 3, 5, 10, 11, 13	Craven County, Bridgeton, Cove City, Dover, Havelock, New Bern, River Bend, Trent Woods, Vanceboro	High	<ul style="list-style-type: none"> ■ Craven County Planning Department ■ Municipal Administrations ■ NCDENR 	GF, NCDENR
CR11	Continue to expand upon the County’s Emergency Notification System available to all residents. Craven County Emergency Services will coordinate with all municipal jurisdictions regarding registration.	1, 4, 5, 7	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	Craven County, Bridgeton, Cove City, Dover, Havelock, New Bern, River Bend, Trent Woods, Vanceboro	High	<ul style="list-style-type: none"> ■ Craven County Emergency Services 	GF, NCDPS
CR12	Consider all of the data, information, maps and recommendations outlined throughout this plan when siting for the development of all new critical facilities.	1, 2, 4, 6, 8	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	Craven County, Bridgeton, Cove City, Dover, Havelock, New Bern, River Bend, Trent Woods, Vanceboro	Medium	<ul style="list-style-type: none"> ■ Craven County Administration ■ Craven County Planning Department ■ Municipal Administrations 	GF, NCDPS
CR13	Develop a formal system and plan for evaluating and assessing the availability and effectiveness of all critical facilities outlined within this plan. Craven County will coordinate with NCEM, American Red Cross, local animal shelters, local care homes, etc., in making determinations related to need and capacity required in the event of a disaster.	2, 3, 5, 7	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	Craven County, Bridgeton, Cove City, Dover, Havelock, New Bern, River Bend, Trent Woods, Vanceboro	Medium	<ul style="list-style-type: none"> ■ Craven County Emergency Services ■ Craven County Planning Department ■ Craven County Social Services Dept. ■ NC Department of Public Safety ■ American Red Cross 	GF, ARC
CR14	In conjunction with annual EOP updates, determine if access to all critical facilities is readily available in the event of a flooding event. Careful consideration should be given to localized flooding issues that may restrict access along limited access thoroughfares. Where access issues are identified, the County will establish a plan for alternative transportation.	2, 3, 5, 7	1, 2, 3, 5, 10, 11, 13	Craven County, Bridgeton, Cove City, Dover, Havelock, New Bern, River Bend, Trent Woods, Vanceboro	High	<ul style="list-style-type: none"> ■ Craven County Emergency Services ■ NC Department of Public Safety 	GF, NCDPS

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Number	Strategy	Goal Addressed (see page 6-3)	Hazard Addressed (see page 3-1)	Applicable Jurisdictions	Priority	Responsible Party/Dept.	Funding Sources
CR15	Continue to maintain the County's Continuity of Operations (COP). This effort will include an annual update addressing risk management, service retention, alternative staffing procedures and recovery checklist for each County department.	1, 2, 3, 4, 5, 6, 7, 8	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	Craven County, Bridgeton, Cove City, Dover, Havelock, New Bern, River Bend, Trent Woods, Vanceboro	High	<ul style="list-style-type: none"> ■ Craven County Administration ■ Craven County Board of Commissioners 	GF, NCDPS
CR16	Review and update the County Emergency Operations Plan on an annual basis. This update will involve coordination with all municipalities to ensure that all emergency contacts are accurate.	1, 2, 3, 5	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	Craven County, Bridgeton, Cove City, Dover, Havelock, New Bern, River Bend, Trent Woods, Vanceboro	High	<ul style="list-style-type: none"> ■ Craven County Emergency Services ■ Municipal Administrations 	GF, NCDPS
CR17	Work to expand upon the County's Special Medical Needs Registry (SMNR). The SMNR is available to all County residents. Effective participation will require close cooperation between County ES and local government staff members. All jurisdictions will work to advertise the availability of this service within their respective communities. It should be noted that applicants must be approved once application is made. Application alone does not result in guaranteed emergency service.	2, 4, 6	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	Craven County, Bridgeton, Cove City, Dover, Havelock, New Bern, River Bend, Trent Woods, Vanceboro	High	<ul style="list-style-type: none"> ■ Craven County Emergency Services ■ Craven County Social Services Dept. ■ Craven County Board of Commissioners ■ Municipal Administrations ■ Municipal Governing Boards 	GF, NCDPS, ARC
CR18	Continue to maintain the County's Local Emergency Planning Committee (LEPC) focused on monitoring the presence and proliferation of hazard materials throughout the County. The LEPC and County staff will continue to monitor these materials as submitted.	1, 2, 5, 7, 8	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	Craven County	Medium	<ul style="list-style-type: none"> ■ Craven County Emergency Services 	GF, NCDPS
CR19	Maintain information on the County website relating to evacuation and sheltering. Emergency information on the website will include: evacuation routes, sheltering, delays and closures, pet sheltering options, and special needs information.	4, 6, 7, 8	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	Craven County, Bridgeton, Cove City, Dover, Havelock, New Bern, River Bend, Trent Woods, Vanceboro	High	<ul style="list-style-type: none"> ■ Craven County Emergency Services 	GF, NCDPS

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Number	Strategy	Goal Addressed (see page 6-3)	Hazard Addressed (see page 3-1)	Applicable Jurisdictions	Priority	Responsible Party/Dept.	Funding Sources
CR20	Continue to provide detailed information regarding properties located within flood hazard areas as outlined under CRS Manual Section 322.a through 322.g.	1, 2, 4, 6	1, 2, 3, 5, 10, 11, 13	Craven County, Havelock, New Bern, River Bend	High	<ul style="list-style-type: none"> ■ Craven County Inspections Department ■ Craven County Planning Department ■ Municipal Administrations 	GF, NCDPS
CR21	Continue to maintain a library of materials focused on educating citizens, builders, realtors and developers about the dangers associated with floodplain development. This information will also provide material outlining sound techniques for floodplain development and floodproofing of existing structures. The County will also maintain staff educated in these issues to work with prospective builders.	1, 2, 4, 6	1, 2, 3, 5, 10, 11, 13	Craven County, Havelock, New Bern, River Bend	High	<ul style="list-style-type: none"> ■ Craven County Inspections Department ■ Craven County Planning Department ■ Municipal Administrations 	GF, NCDPS
CR22	Continue to work closely with real estate agents to ensure that prospective buyers are educated about development within a flood hazard area. The County will prepare materials for dissemination to local real estate agents to assist in this education process.	1, 2, 4, 6	1, 2, 3, 5, 10, 11	Craven County, Havelock, New Bern, River Bend	High	<ul style="list-style-type: none"> ■ Craven County Planning Department ■ Municipal Administrations 	GF, NCDPS

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SECTION 6. MITIGATION STRATEGIES

Table 69. Hyde County Mitigation Strategies

Number	Strategy	Goal Addressed (see page 6-3)	Hazard Addressed (see page 3-1)	Applicable Jurisdictions	Priority	Responsible Party/Dept.	Funding Sources
H1	Consider revising the County's Flood Damage Prevention Ordinance to establish a one foot freeboard requirement regarding base flood elevation for new structures developed within the Flood Hazard Area.	1, 2, 3, 5, 7	1, 2, 3, 5, 10, 11	Hyde County	High	<ul style="list-style-type: none"> ■ Hyde County Administration ■ Hyde County Board of Commissioners 	GF, NCDPS
H2	Promote the availability of flood insurance available through the National Flood Insurance Program (NFIP) using the following means: <ul style="list-style-type: none"> o Post on County website o Provide information on building permit applications o Make available at the County library 	1, 2, 4, 6	1, 2, 3, 5, 10, 11	Hyde County	High	<ul style="list-style-type: none"> ■ Hyde County Building Inspections ■ Hyde County Administration 	GF, NCDPS, NFIP
H3	Continue to maintain, operate, and carry out all activities outlined within the Swan Quarter Watershed Project Operation and Maintenance Checklist (latest inspection 5/7/13). This effort includes ensuring functionality of the Swan Quarter Dike.	1, 3, 5, 7	1, 2, 3, 5, 10, 11	Hyde County	High	<ul style="list-style-type: none"> ■ Hyde Soil & Water Conservation District ■ Hyde County Administration ■ Hyde County Board of Commissioners 	GF, NCDPS, NCDENR
H4	Continue to monitor drainage conditions throughout both the mainland and barrier island portions of the County. Additionally, the County will continue to enforce and support the following programs relating to stormwater management: <ul style="list-style-type: none"> o NCDENR Coastal Stormwater Rules o NCDENR Sedimentation & Erosion Control Regulations o NCDENR Statewide Stormwater Regulations o NCDENR CAMA Regulations o US Army Corps of Engineers Non Coastal Wetland Regulations 	2, 4, 6, 8	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	Hyde County	High	<ul style="list-style-type: none"> ■ Hyde County Administration ■ Hyde County Board of Commissioners 	GF, NCDPS, NCDENR

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Number	Strategy	Goal Addressed (see page 6-3)	Hazard Addressed (see page 3-1)	Applicable Jurisdictions	Priority	Responsible Party/Dept.	Funding Sources
H5	Continue to maintain and map GIS-based data related to floodplain management and mitigation. These efforts will involve maintaining the most recent Flood Insurance Rate Maps (FIRMS), as well as GIS locations for each property either acquired or mitigated under current or prior year Mitigation Grant Projects.	1, 2, 4, 6	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	Hyde County	High	<ul style="list-style-type: none"> ■ Hyde County Administration ■ Hyde County EMS 	GF, NCDPS, HMGP, PDM, UHMA
H6	Make a variety of materials related to flood insurance, flood protection, floodplain management, increased cost of compliance coverage, information on floodplains, and listings of qualified contractors familiar with floodproofing and elevation techniques, available through various methods including: <ul style="list-style-type: none"> o Placing materials in the County library o Disseminating information to local contractors 	1, 2, 4, 6	1, 2, 3, 5, 10, 11	Hyde County	High	<ul style="list-style-type: none"> ■ Hyde County Building Inspections ■ Hyde County Administration 	GF, NCDPS
H7	Continue to proactively seek out grant funding through NCEM and FEMA for mitigation of repetitive loss properties (RLP) from future flooding events. The County will continue maintaining a list of RLPs, and on an annual basis, will apply for funding for all structures that meet cost-benefit thresholds as defined by FEMA. The priority will be for the elevation of structures.	1, 2, 3, 6, 7, 8	1, 2, 3, 5, 10, 11	Hyde County	High	<ul style="list-style-type: none"> ■ Hyde County Administration ■ Hyde County Board of Commissioners 	GF, NCDPS, HMGP, PDM, UHMA
H8	Review the vulnerability of all critical facilities identified in this plan as a component of annual County Emergency Operations Plan updates. This effort will involve an assessment of whether facilities are readily accessible before, during, or after a natural hazard event has transpired. The County will also consider all information and data outlined in this plan when making determinations on the location of all future critical facilities. The Hyde County Emergency Operations Plan was last updated in September 2013.	2, 3, 4, 7, 8	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	Hyde County	High	<ul style="list-style-type: none"> ■ Hyde County Emergency Services ■ Hyde County Administration 	GF, NCDPS

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Number	Strategy	Goal Addressed (see page 6-3)	Hazard Addressed (see page 3-1)	Applicable Jurisdictions	Priority	Responsible Party/Dept.	Funding Sources
H9	Continue to participate in and support the Disaster Assistance Working Group (DAWG). This effort includes maintaining a mutual aid agreement with DAWG, which makes all available Hyde County resources available to participating counties in the event of a disaster. Coordination of all County resources in concert with DAWG will be handled through the group's E-Plan web based portal. All resources are updated as a component of the NC State Resource Management System.	8	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11	Hyde County	Medium	<ul style="list-style-type: none"> ■ Hyde County Emergency Services ■ Hyde County Board of Commissioners 	GF, NCDPS
H10	Review the County's Flood Damage Prevention Ordinance on an annual basis to assess whether any revisions and/or updates have been mandated by FEMA or NCEM.	1, 2, 4, 6	1, 2, 3, 5, 10, 11	Hyde County	High	<ul style="list-style-type: none"> ■ Hyde County Administration ■ Hyde County Board of Commissioners ■ Hyde County CRS Coordinator 	GF, NCDPS
H11	Continue to support the efforts of Tideland Electric and NCDOT in maintaining the County's right-of-ways and utility easements. This effort involves the trimming and pruning of trees that pose an imminent threat to the County's limited infrastructure system. Maintaining clear access into and out of the County, as well as protection of the County's electrical and communications networks, is critical to effective response during natural hazard events.	2, 3, 4, 8	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11	Hyde County	Medium	<ul style="list-style-type: none"> ■ Hyde County Administration ■ Hyde County Board of Commissioners 	GF, NCDOT, Electric Service Providers
H12	Continue to enforce all regulations outlined under the NC State Building Code. Although not a requirement, the County will encourage the use of wind resistant design techniques for all new residential construction.	1, 3, 8	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	Hyde County	High	<ul style="list-style-type: none"> ■ Hyde County Building Inspections ■ Hyde County Administration 	GF
H13	Maintain an informational booth at both the Engelhard Seafood Festival and the Ocrofolk Festival in an effort to inform and educate citizens about County efforts to increase public safety and mitigate private property losses.	1, 2, 3, 4, 5, 6, 7, 8	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	Hyde County	Medium	<ul style="list-style-type: none"> ■ Hyde County Emergency Services ■ Hyde County Administration 	GF, NCDPS

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Number	Strategy	Goal Addressed (see page 6-3)	Hazard Addressed (see page 3-1)	Applicable Jurisdictions	Priority	Responsible Party/Dept.	Funding Sources
H14	Continue to work closely with NCDPS, NCDOT, the American Red Cross, and DAWG in addressing emergency evacuation and sheltering needs throughout the County. Due to limited resources and high vulnerability, Hyde County must often rely on resources available throughout the region. This effort is bolstered by the regional coordination efforts available through DAWG.	8	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11	Hyde County	Medium	<ul style="list-style-type: none"> ■ Hyde County Emergency Services ■ Hyde County Administration ■ Hyde County Board of Commissioners ■ American Red Cross 	GF, NCDPS, NCDOT, ARC
H15	Continue to provide detailed information regarding properties located within flood hazard areas as outlined under CRS Manual Section 322.a through 322.g.	1, 2, 4, 6	1, 2, 3, 5, 10, 11	Hyde County	High	<ul style="list-style-type: none"> ■ Hyde County Administration ■ Hyde County Board of Commissioners 	GF, NCDPS, HMGP, PDM, UHMA
H16	Continue to participate in the Community Rating System (CRS) made available through the NFIP Program.	1, 2, 4, 6	1, 2, 3, 5, 10, 11	Hyde County	High	<ul style="list-style-type: none"> ■ Hyde County Administration ■ Hyde County Board of Commissioners 	GF, NCDPS, HMGP, PDM, UHMA

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SECTION 6. MITIGATION STRATEGIES

Table 70. Pamlico County Mitigation Strategies

Number	Strategy	Goal Addressed (see page 6-3)	Hazard Addressed (see page 3-1)	Applicable Jurisdictions	Priority	Responsible Party/Dept.	Funding Sources
P1	In the event of a substantial flooding event, or other natural hazard occurrence, perform damage assessments in coordination with NCEM. These assessments will assist the County in determining the extent of the damage caused by the respective disaster event. This data will be utilized as a tool for land use planning and future hazard mitigation plan updates and to gauge the effectiveness of the County's two-foot freeboard requirement.	1, 2, 4, 6, 7, 8	1, 2, 3, 5, 10, 11	Pamlico County, Alliance, Arapahoe, Bayboro, Grantsboro, Mesic, Minnesott Beach, Oriental, Stonewall, Vandemere	High	<ul style="list-style-type: none"> ▪ Pamlico County Emergency Services ▪ Pamlico County Administration ▪ Municipal Administrations 	GF, NCDPS
P2	Continue to monitor drainage conditions throughout the County, in particular, issues associated with drainage ditches and agricultural runoff canals situated throughout the County.	1, 2, 4, 6, 7, 8	1, 2, 3, 5, 10, 11	Pamlico County, Alliance, Arapahoe, Bayboro, Grantsboro, Mesic, Minnesott Beach, Oriental, Stonewall, Vandemere	High	<ul style="list-style-type: none"> ▪ Pamlico County Administration ▪ Pamlico County Emergency Services ▪ Municipal Administrations 	GF, NCDENR, NCDOT
P3	Continue to proactively seek grant funding through NCEM and FEMA for mitigation of repetitive loss properties (RLP's) from future flooding events. The County will maintain a list of RLP's, and on an annual basis, will apply for funding for all structures that meet cost-benefit thresholds as defined by FEMA. Pamlico County will assist all municipal jurisdictions in working through the structural mitigation grant funding process.	1, 3, 4, 7	1, 2, 3, 5, 10, 11	Pamlico County, Alliance, Arapahoe, Bayboro, Grantsboro, Mesic, Minnesott Beach, Oriental, Stonewall, Vandemere	High	<ul style="list-style-type: none"> ▪ Pamlico County Administration ▪ Pamlico County Emergency Services ▪ Municipal Administrations 	GF, NCDPS, HMGP, PDM, UHMA
P4	Continue to utilize the NC Department of Corrections Community Service program to assist and leverage efforts to snag and clear ditches and canals located throughout the County.	2, 7	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	Pamlico County	High	<ul style="list-style-type: none"> ▪ Pamlico Public Services 	GF, NCDPS

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Number	Strategy	Goal Addressed (see page 6-3)	Hazard Addressed (see page 3-1)	Applicable Jurisdictions	Priority	Responsible Party/Dept.	Funding Sources
P5	Continue to educate County residents about the linkage between flooding (standing water) and the proliferation of mosquitos. These efforts will focus on teaching property owners how to mitigate mosquito issues throughout the County.	1, 2, 4, 6, 7	1, 2, 3, 5, 10, 11	Pamlico County, Alliance, Arapahoe, Bayboro, Grantsboro, Mesic, Minnesott Beach, Oriental, Stonewall, Vandemere	Medium	<ul style="list-style-type: none"> ■ Pamlico County Administration ■ Pamlico County Emergency Services ■ Municipal Administrations 	GF, NCDENR, NCDPS
P6	Work to identify and, when possible, address drainage issues impacting broad areas throughout the County. These efforts will also include the input and involvement of NC State Agencies.	1, 2, 4, 6, 8	1, 2, 3, 5, 10, 11	Pamlico County, Alliance, Arapahoe, Bayboro, Grantsboro, Mesic, Minnesott Beach, Oriental, Stonewall, Vandemere	High	<ul style="list-style-type: none"> ■ Pamlico County Administration ■ Municipal Administrations 	GF, NCDENR, NCDOT, HMGP, PDM, UHMA
P7	Make a range of materials related to flood insurance, flood protection, floodplain management, information on floodplains, and listings of qualified contractors familiar with floodproofing and elevation techniques, available through various avenues including: <ul style="list-style-type: none"> o Placing materials in the local library o Maintaining documents at the County Planning and Economic Development office o Disseminating information to local contractors o Distributing information to churches and other community-based organizations o Establishing a means to distribute information to schoolchildren 	1, 2, 4, 6	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	Pamlico County, Alliance, Arapahoe, Bayboro, Grantsboro, Mesic, Minnesott Beach, Oriental, Stonewall, Vandemere	High	<ul style="list-style-type: none"> ■ Pamlico County Administration ■ Municipal Administrations 	GF, NCDPS
P8	Review and update the County Emergency Operations Plan on an annual basis. This update will involve coordination with all municipalities to ensure that all emergency contacts are accurate and that all jurisdictions are adequately prepared.	1, 2, 3, 4, 5, 6, 7, 8	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	Pamlico County, Alliance, Arapahoe, Bayboro, Grantsboro, Mesic, Minnesott Beach, Oriental, Stonewall, Vandemere	High	<ul style="list-style-type: none"> ■ Pamlico County Administration ■ Municipal Administrations 	GF, NCDPS

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Number	Strategy	Goal Addressed (see page 6-3)	Hazard Addressed (see page 3-1)	Applicable Jurisdictions	Priority	Responsible Party/Dept.	Funding Sources
P9	Continue to work with the North Carolina Department of Environment and Natural Resources to enforce standards outlined within the statewide stormwater management program. Currently, this program generally addresses stormwater management for projects disturbing an area equal to or greater than one acre. Additionally, the County will monitor localized flooding issues and, where feasible, address these issues through the installation of stormwater best management practices (BMP's).	1, 2, 4, 7, 8	1, 2, 3, 5, 10, 11	Pamlico County, Alliance, Arapahoe, Bayboro, Grantsboro, Mesic, Minnesott Beach, Oriental, Stonewall, Vandemere	High	<ul style="list-style-type: none"> ▪ Pamlico County Administration 	GF, NCDPS, NCDENR
P10	Develop a formal system and plan for evaluating and assessing the availability and effectiveness of all critical facilities outlined within this plan. Pamlico County will coordinate with NCEM, Red Cross, local animal shelters, local care homes etc., in making determinations relating to need and capacity.	1, 2, 4, 5, 6	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	Pamlico County, Alliance, Arapahoe, Bayboro, Grantsboro, Mesic, Minnesott Beach, Oriental, Stonewall, Vandemere	High	<ul style="list-style-type: none"> ▪ Pamlico County Administration ▪ Pamlico County Emergency Services ▪ Municipal Administration 	GF, NCDPS, ARC
P11	Maintain and update local Flood Insurance Rate Maps (FIRMs). These maps will be reviewed and formally updated as revisions become available through North Carolina Floodplain Mapping Program. The FIRMs will be maintained in the County offices, as well as on the County website.	2, 6, 7	1, 2, 3, 5, 10, 11	Pamlico County, Alliance, Arapahoe, Bayboro, Grantsboro, Mesic, Minnesott Beach, Oriental, Stonewall, Vandemere	High	<ul style="list-style-type: none"> ▪ Pamlico County Emergency Services 	GF, NCDPS
P12	Ensure that there is adequate capacity for snow and ice removal in the event of a major snowstorm. The County will work with the North Carolina Department of Transportation (NCDOT) and North Carolina Emergency Management (NCEM) to ensure that all resources necessary are available to carry out this effort. Additionally, the County will work closely with the County school system, as well as other entities, to make determinations regarding closures and delays.	1, 2, 4, 8	4	Pamlico County, Alliance, Arapahoe, Bayboro, Grantsboro, Mesic, Minnesott Beach, Oriental, Stonewall, Vandemere	Low	<ul style="list-style-type: none"> ▪ Pamlico County Emergency Services ▪ Municipal Administrations 	GF, NCDPS, NCDOT

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Number	Strategy	Goal Addressed (see page 6-3)	Hazard Addressed (see page 3-1)	Applicable Jurisdictions	Priority	Responsible Party/Dept.	Funding Sources
P13	Continue to maintain all development regulations, emergency and land use related plans, and applications for permits on the County's website. This information will be maintained and updated as deemed necessary.	1, 2, 5, 7	1, 2, 3, 5, 10, 11	Pamlico County	High	<ul style="list-style-type: none"> ▪ Pamlico County Administration 	GF

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SECTION 6. MITIGATION STRATEGIES

IV. COMMUNITY RATING SYSTEM STRATEGY

The Community Rating System (CRS) is a voluntary program developed by FEMA to encourage communities to improve stormwater and floodplain management. Participation in the program results in a discount on flood insurance for all NFIP policy holders within the corporate limits of a participating jurisdiction as outlined in the following table:

Table 71. CRS Related Benefits

Rate Class	Property Owner Insurance Discount		Credit Points Required
	SFHA*	Non-SFHA**	
1	45%	10%	4,500 +
2	40%	10%	4,000 - 4,499
3	35%	10%	3,500 - 3,999
4	30%	10%	3,000 - 3,499
5	25%	10%	2,500 - 2,999
6	20%	10%	2,000 - 2,499
7	15%	5%	1,500 - 1,999
8	10%	5%	1,000 - 1,499
9	5%	5%	500 - 999
10	0%	0%	0 - 499

*Special Flood Hazard Area.

**Preferred risk policies are available only in B, C, and X zones for properties that are shown to have a minimal risk of flood damage. The preferred risk policy does not receive premium rate credits under the CRS because it already has a lower premium than other policies. Although they are in SFHAs, Zones AR and A99 are limited to a 5% discount. Premium reductions are subject to change. Source: Federal Emergency Management Agency.

Throughout the Pamlico Sound region, there are jurisdictions that currently participate in the Community Rating System (CRS). The following outlines all participating communities and their respective CRS rating:

Community Name	CRS Entry Date	Current Class
Alliance	10/1/1992	9
Atlantic Beach	10/1/1992	8
Bayboro	10/1/1992	9
Beaufort	10/1/1994	8
Belhaven	10/1/1993	7
Cape Carteret	10/1/1993	8
Carteret County	10/1/1991	8
Cedar Point	10/1/1992	8
Craven County	10/1/1991	8
Emerald Isle	10/1/1993	7

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<u>Community Name</u>	<u>CRS Entry Date</u>	<u>Current Class</u>
Havelock	10/1/1995	8
Hyde County	10/1/1992	9
Minnesott Beach	10/1/1992	9
Morehead City	10/1/1992	8
New Bern	10/1/1992	10
Newport	10/1/1992	8
Oriental	10/1/1992	8
Pamlico County	10/1/1992	8
Pine Knoll Shores	10/1/1992	6
River Bend	05/1/2010	8
Stonewall	10/1/1992	9
Vandemere	10/1/1992	8
Washington	10/1/1992	7
Washington Park	10/1/1992	8

The mitigation strategies in the table above allude to the fact that other participating jurisdictions will consider participating in this program through the implementation of this plan. The Regional MAC may work together on several of these activities to reduce cost and duplication of effort, if several of the communities decide to enter into the program.

Revised CRS guidance was issued in Fiscal Year 2013. This new guidance impacts not only annual CRS activities, but also the definition of what constitutes a Flood Management Plan. Appendix H provides insight into how the revised guidance will impact communities throughout the Region participating in the CRS program.