APPENDIX D:

MITIGATION ACTION PLAN

Appendix D: Mitigation Action Plan

The **Mitigation Action Plan (MAP)** is a Microsoft Excel® spreadsheet which lists all of the Mitigation Actions recommended in this Plan. It has been designed to provide Hyde County with a user-friendly tool for monitoring the implementation of the mitigation actions recommended in the Plan, and for reporting progress to the County Manager.

Mitigation Actions may be sorted using the MAP according to the following:

1. By Action Number;
2. By Category;
3. By Hazard;
4. By Priority;
5. By Responsibility Assigned to; and
6. By Target Completion Date.

The spreadsheet file is saved on the enclosed floppy disk (original copies of Plan only), and will be maintained and updated along with the Hyde County Multi-Hazard Mitigation Plan.

HYDE COUNTY
MITIGATION ACTION PLAN

Action #	Action	Category	Hazard	Objective(s) Addressed	Priority	Funding Sources	Responsibility Assigned to:	Target Completion Date	STATUS
1	Develop and adopt a "no-rise (in base flood elevation)" clause for the county's Flood Damage Prevention Ordinance.	Property Protection	Flood	1.1, 2.1, 2.2	Low	N/A	CRS Coordinator	November 6, 2006	
2	Advertise and promote the availability of flood insurance to county property owners by including information in all building permit applications, displaying information in County Inspections Department and adding information to the County website.	Public Information & Awareness	Flood, Hurricanes, Tropical Storms, Coastal Storms	4.1, 4.2, 4.3	High	Local	CRS Coordinator	Continuous	
3	Continue to support and work towards completion of the construction of the Swan Quarter "mosquito" dike to alleviate future flood hazard conditions.	Structural Projects	Flood, Hurricanes, Tropical Storms, Coastal Storms	3.1, 3.3	High	U.S. Army Corps of Engineers, USDA	Natural Resources Conservation Service and the NC Division of Soil and Water Conservation.	Continuous	
4	Seek funding to complete a stormwater drainage study/plan for both mainland Hyde and the village of Ocracoke that will lead to a stormwater management ordinance.	Prevention	Flood, Hurricanes, Tropical Storms, Coastal Storms	1.2	Moderate	NC Division of Coastal Management; NC Division of Emergency Management	Planner	Continuous	
5	Continue to support and develop the Geographic Information System (GIS) to maintain current cadastral (building/parcel) data for purposes of conducting more detailed hazard risk assessments and for tracking permitting / land use patterns.	Prevention	All	1.2, 1.3, 2.3, 3.1, 3.3	High	NC Division of Emergency Management	Hyde County Department of Emergency Management	June 1, 2009	
6	Continue to collect educational materials on individual and family preparedness/mitigation measures for property owners, and display at both the library and routinely-visited county offices.	Public Information & Awareness	All	1.1, 4.1, 4.2, 4.3	High	N/A	CRS Coordinator	Ongoing	
7	Continue to acquire and preserve parcels of land subject to repetitive flooding from willing and voluntary property owners.	Property Protection	Flood	1.1, 2.2, 3.1, 3.2	High	FEMA; NC Division of Emergency Management	CRS Coordinator	Continuous	
8	Regularly calculate and document the amount of floodprone property that is preserved as open space for additional credit points under the Community Rating System (CRS).	Prevention	Flood	1.1	High	N/A	CRS Coordinator	Continuous	
9	Evaluate the potential mitigation techniques for protecting each facility to the maximum extent possible including all new facilities. .	Prevention	All	1.2, 3.1, 3.3	Moderate	NC Division of Emergency Management	Emergency Manager	Ongoing	
10	Establish a local reserve fund for repairing and/or incorporating hazard mitigation measures for public facilities and infrastructure damaged by natural hazards.	Prevention	All	3.1, 3.3	High	N/A	Finance Office, Emergency Manager, County Manager	June 1, 2009	
11	Conduct inventory/survey for the county's emergency response services to identify any existing needs or shortfalls in terms of personnel, equipment or required resources, including funding for public safety services.	Emergency Services	All	1.3	Moderate	Local	Emergency Manager	June 1, 2009	
12	Formally review Hyde County's Flood Damage Prevention Ordinance and continually revise on a three year cycle.	Prevention	Flood	1.1, 2.1, 2.2	Moderate	N/A	CRS Coordinator	June 1, 2009	
13	Continue to update educational flyers targeting NFIP policyholders on the Increased Costs of Compliance (ICC) coverage, to be disseminated following a flood event that results in substantial damage determinations by the county.	Public Information and Awareness	Flood	1.1, 2.1, 2.2, 4.3	Moderate	Local	CRS Coordinator	Continuous	

Action #	Action	Category	Hazard	Objective(s) Addressed	Priority	Funding Sources	Responsibility Assigned to:	Target Completion Date	STATUS
Action #	Action	Category	Hazard	Objective(s) Addressed	Priority	Funding Sources	Responsibility Assigned to:	Target Completion Date	STATUS
14	Incorporate the inspection and management of hazardous trees into the county's routine drainage system maintenance process.	Property Protection	Hurricanes and Tropical Storms	2.3, 3.3	Moderate	Local	Hyde County Soil and Water Conservation and Hyde County Water System	Continuous	
15	On an annual basis, continue to contact all owners of FEMA-identified repetitive loss properties and inform them of the assistance available through the federal Flood Mitigation Assistance (FMA) program, in addition to other flood protection measures.	Public Information & Awareness	Flood	3.1, 3.2, 4.3	High	Local	CRS Coordinator	Continuous	
16	Continue to augment the enforcement the State Building Code and related county ordinances by encouraging wind-resistant design techniques for new residential construction during the county's permit process.	Property Protection	Hurricanes and Tropical Storms, Tornadoes, Nor'easters	2.3	High	N/A	Building Inspector	Continuous	
17	Amend the county's Manufactured Housing and Travel Trailer Park Ordinance to require tornado shelters for any new major manufactured/mobile home park with more than 30 mobile home spaces.	Property Protection	Tornadoes	2.3	Moderate	N/A	Planner	June 1, 2009	
18	Annually host a public hazards workshop for the residents of Hyde County, in combination with the Engelhard Seafood festival on the Mainland and the Ocrafolk festival on Ocracoke Island or another appropriate community event.	Public Information & Awareness	All	4.1, 4.3	Moderate	Local	Chamber of Commerce	Continuous	
19	Continue to update the local emergency evacuation plan for the Village of Ocracoke in coordination with the North Carolina Department of Transportation, North Carolina Division of Emergency Management and other appropriate agencies.	Emergency Services	Hurricanes and Tropical Storms	1.3	Moderate	NC Division of Emergency Management	Planner	Continuous	

INSTRUCTIONS FOR USING THE PLAN REVIEW CROSSWALK FOR REVIEW OF LOCAL MITIGATION PLANS

Attached is a Plan Review Crosswalk based on the ***Local Multi-Hazard Mitigation Planning Guidance***, published by FEMA in July, 2008. This Plan Review Crosswalk is consistent with the *Robert T. Stafford Disaster Relief and Emergency Assistance Act* (Stafford Act), as amended by Section 322 of the *Disaster Mitigation Act of 2000* (P.L. 106-390), the *National Flood Insurance Act of 1968,* as amended by the *National Flood Insurance Reform Act of 2004* (P.L. 108-264) and *44 Code of Federal Regulations (CFR) Part 201 – Mitigation Planning,* inclusive of all amendments through October 31, 2007.

SCORING SYSTEM
N – Needs Improvement: The plan does not meet the minimum for the requirement. Reviewer's comments must be provided.
S – Satisfactory: The plan meets the minimum for the requirement. Reviewer's comments are encouraged, but not required.

Each requirement includes separate elements. All elements of a requirement must be rated "Satisfactory" in order for the requirement to be fulfilled and receive a summary score of "Satisfactory." A "Needs Improvement" score on elements shaded in gray (recommended but not required) will not preclude the plan from passing.

When reviewing single jurisdiction plans, reviewers may want to put an N/A in the boxes for multi-jurisdictional plan requirements. When reviewing multi-jurisdictional plans, however, all elements apply. States that have additional requirements can add them in the appropriate sections of the *Local Multi-Hazard Mitigation Planning Guidance* or create a new section and modify this Plan Review Crosswalk to record the score for those requirements. Optional matrices for assisting in the review of sections on profiling hazards, assessing vulnerability, and identifying and analyzing mitigation actions are found at the end of the Plan Review Crosswalk.

The example below illustrates how to fill in the Plan Review Crosswalk.:

Assessing Vulnerability: Overview

Requirement §201.6(c)(2)(ii): *[The risk assessment **shall** include a] description of the jurisdiction's vulnerability to the hazards described in paragraph (c)(2)(i) of this section. This description **shall** include an overall summary of each hazard and its impact on the community.*

Element	Location in the Plan (section or annex and page #)	Reviewer's Comments	SCORE N	SCORE S
A. Does the **new or updated** plan include an **overall summary** description of the jurisdiction's **vulnerability** to each hazard?	Section II, pp. 4-10	The plan describes the types of assets that are located within geographically defined hazard areas as well as those that would be affected by winter storms.		☐
B. Does the **new or updated** plan address the **impact** of each hazard on the jurisdiction?	Section II, pp. 10-20	The plan does not address the impact of two of the five hazards addressed in the plan. **Required Revisions:** • Include a description of the impact of floods and earthquakes on the assets. **Recommended Revisions:** This information can be presented in terms of dollar value or percentages of damage.	☐	
		SUMMARY SCORE	☐	

LOCAL MITIGATION PLAN REVIEW SUMMARY

The plan cannot be approved if the plan has not been formally adopted. Each requirement includes separate elements. All elements of the requirement must be rated "Satisfactory" in order for the requirement to be fulfilled and receive a score of "Satisfactory." Elements of each requirement are listed on the following pages of the Plan Review Crosswalk. A "Needs Improvement" score on elements shaded in gray (recommended but not required) will not preclude the plan from passing. Reviewer's comments must be provided for requirements receiving a **"Needs Improvement"** score.

Prerequisite(s) (Check Applicable Box)	**NOT MET**	**MET**
1. Adoption by the Local Governing Body: §201.6(c)(5) OR	X	
2. Multi-Jurisdictional Plan Adoption: §201.6(c)(5) **AND**	N/A	N/A
3. Multi-Jurisdictional Planning Participation: §201.6(a)(3)	N/A	N/A

Planning Process	**N**	**S**
4. Documentation of the Planning Process: §201.6(b) and §201.6(c)(1)	X	

Risk Assessment	**N**	**S**
5. Identifying Hazards: §201.6(c)(2)(i)		X
6. Profiling Hazards: §201.6(c)(2)(i)	X	
7. Assessing Vulnerability: Overview: §201.6(c)(2)(ii)		X
8. Assessing Vulnerability: Addressing Repetitive Loss Properties. §201.6(c)(2)(ii)		X
9. Assessing Vulnerability: Identifying Structures, Infrastructure, and Critical Facilities: §201.6(c)(2)(ii)(B)		X
10. Assessing Vulnerability: Estimating Potential Losses: §201.6(c)(2)(ii)(B)		X
11. Assessing Vulnerability: Analyzing Development Trends: §201.6(c)(2)(ii)(C)		X
12. Multi-Jurisdictional Risk Assessment: §201.6(c)(2)(iii)	N/A	N/A

*States that have additional requirements can add them in the appropriate sections of the *Local Multi-Hazard Mitigation Planning Guidance* or create a new section and modify this Plan Review Crosswalk to record the score for those requirements.

SCORING SYSTEM

Please check one of the following for each requirement.

N – Needs Improvement: The plan does not meet the minimum for the requirement. Reviewer's comments must be provided.

S – Satisfactory: The plan meets the minimum for the requirement. Reviewer's comments are encouraged, but not required.

Mitigation Strategy	**N**	**S**
13. Local Hazard Mitigation Goals: §201.6(c)(3)(i)		X
14. Identification and Analysis of Mitigation Actions: §201.6(c)(3)(ii)		X
15. Identification and Analysis of Mitigation Actions: NFIP Compliance. §201.6(c)(3)(ii)		X
16. Implementation of Mitigation Actions: §201.6(c)(3)(iii)	X	
17. Multi-Jurisdictional Mitigation Actions: §201.6(c)(3)(iv)	N/A	N/A

Plan Maintenance Process	**N**	**S**
18. Monitoring, Evaluating, and Updating the Plan: §201.6(c)(4)(ii)	X	
19. Incorporation into Existing Planning Mechanisms: §201.6(c)(4)(ii)	X	
20. Continued Public Involvement: §201.6(c)(4)(iii)		X

Additional State Requirements*	**N**	**S**
Insert State Requirement		
Insert State Requirement		
Insert State Requirement		

LOCAL MITIGATION PLAN APPROVAL STATUS

PLAN NOT APPROVED	X
See Reviewer's Comments	
PLAN APPROVED	

Local Mitigation Plan Review and Approval Status

Jurisdiction: Hyde County , North Carolina	**Title of Plan: Hyde County Multi-Hazard Mitigation Plan Update – 2008**	**Date of Plan: August 18, 2008**

Local Point of Contact: Jessica Gibbs	**Address: County of Hyde** **P.O. Box 188** **Government Center** **Swan Quarter, North Carolina 27885**
Title: Finance Officer	
Agency: County of Hyde	
Phone Number: 252-926-4192	**E-Mail: <jessica.gibbs@hydecountync.gov>**

State Reviewer: *Leonard Holden*	**Title:** *Risk Assessment and Planning Branch Manager*	**Date:** *July 22, 2009*

FEMA Reviewer: Ed Hale **Linda L. Byers**	**Title:** Hazard Mitigation Community Planner **Planning Lead Specialist**	**Date:** August 31, 2009 **09/09/09**
Date Received in FEMA Region 4	August 5, 2009	
Plan Not Approved	**September 9, 2008**	
Plan Approved		
Date Approved		

Jurisdiction:	**DFIRM**		**NFIP Status***			
	In Plan	**Not In Plan**	**Y**	**N**	**N/A**	**CRS Class**
1. *Hyde County – Mainland & Ocracoke Island*		X	*Y*			*9*
2.						
3.						
4.						
5. [ATTACH PAGE(S) WITH ADDITIONAL JURISDICTIONS]						

* Notes: Y = Participating N = Not Participating N/A = Not Mapped

PREREQUISITE(S)

1. Adoption by the Local Governing Body

Requirement §201.6(c)(5): *[The local hazard mitigation plan **shall** include] documentation that the plan has been formally adopted by the governing body of the jurisdiction requesting approval of the plan (e.g., City Council, County Commissioner, Tribal Council).*

Element	Location in the Plan (section or annex and page #)		SCORE NOT MET	SCORE MET
A. Has the local governing body adopted **new or updated** plan?	***Section I, Page 5*** Section I	***The updated plan will be adopted when the county has received FEMA's letter stating Approved Pending Adoption*** The local government, County of Hyde, has not adopted the updated Plan. **REQUIRED:** The updated Plan must be adopted within one calendar year of FEMA's "approval pending adoption" of the updated Plan. Refer to "Adoption by the Local Governing Body" in the Local Multi-hazard Mitigation Planning guidance, July 2008, pp. 17-18.	X	
B. Is supporting documentation, such as a resolution, included?	***No*** Section I	***The Resolution of Adoption will be provided to FEMA after the plan update is adopted.*** The local government, County of Hyde, has not adopted the updated Plan. **REQUIRED REVISION:** The updated Plan shall include a copy of the resolution or other documentation of formal adoption of the updated Plan within one calendar year. Refer to "Adoption by the Local Governing Body" in the Local Multi-hazard Mitigation Planning guidance, July 2008, pp. 17-18.	X	
		SUMMARY SCORE	X	

2. Multi-Jurisdictional Plan Adoption

Requirement §201.6(c)(5): *For multi-jurisdictional plans, each jurisdiction requesting approval of the plan **must** document that it has been formally adopted.*

Element	Location in the Plan (section or annex and page #)	Reviewer's Comments	SCORE NOT MET	SCORE MET
A. Does the **new or updated** plan indicate the specific jurisdictions represented in the plan?	*N/A* N/A	*Hyde County is a single jurisdiction Mitigation Plan. There are no municipalities in the county.* This is an updated single jurisdictional Plan.	N/A	N/A
B. For each jurisdiction, has the local governing body adopted the **new or updated** plan?	*N/A* N/A	*This is a single jurisdiction plan* This is an updated single jurisdictional Plan	N/A	N/A
C. Is supporting documentation, such as a resolution, included for each participating jurisdiction?	*N/A* N/A	*This is a single jurisdiction plan* This is an updated single jurisdictional Plan	N/A	N/A
		SUMMARY SCORE	N/A	N/A

3. Multi-Jurisdictional Planning Participation

Requirement §201.6(a)(3): *Multi-jurisdictional plans (e.g., watershed plans) may be accepted, as appropriate, as long as each jurisdiction has participated in the process … Statewide plans will not be accepted as multi-jurisdictional plans.*

Element	Location in the Plan (section or annex and page #)	Reviewer's Comments	SCORE NOT MET	SCORE MET
A. Does the **new or updated** plan describe **how** each jurisdiction participated in the plan's development?	*N/A* N/A	*This is a single jurisdiction plan* This is an updated single jurisdictional Plan	N/A	N/A
B. Does the updated plan identify all participating jurisdictions, including new, continuing, and the jurisdictions that no longer participate in the plan?	*N/A* N/A	*This is a single jurisdiction plan* This is an updated single jurisdictional Plan	N/A	N/A
		SUMMARY SCORE	N/A	N/A

PLANNING PROCESS: *§201.6(b): An open public involvement process is essential to the development of an effective plan.*

4. Documentation of the Planning Process

Requirement §201.6(b): *In order to develop a more comprehensive approach to reducing the effects of natural disasters, the planning process* ***shall*** *include:*
(1) An opportunity for the public to comment on the plan during the drafting stage and prior to plan approval;
(2) An opportunity for neighboring communities, local and regional agencies involved in hazard mitigation activities, and agencies that have the authority to regulate development, as well as businesses, academia and other private and non-profit interests to be involved in the planning process; and
(3) Review and incorporation, if appropriate, of existing plans, studies, reports, and technical information.

Requirement §201.6(c)(1): *[The plan* ***shall*** *document] the planning process used to develop the plan, including how it was prepared, who was involved in the process, and how the public was involved.*

Element	Location in the Plan (section or annex and page #)	Reviewer's Comments	SCORE N	SCORE S
A. Does the plan provide a narrative description of the process followed to prepare the **new or updated** plan?	***Section I, Pg 8***	***The committee used the FEMA / State and Local Mitigation Planning How-To Guidance and Modules to facilitate the update process. The committee also used the worksheets contained in the NCEM modules to facilitate the planning process. This committee met on a biweekly basis.***		
	Section I, pp. 6-9	The updated Plan provides a description of the process used to prepare the updated Plan. The Hyde County Mitigation Advisory Committee participated in the development, facilitated by the county manager's office. The process recommended by the North Carolina Division of Emergency Management was utilized.		X
B. Does the **new or updated** plan indicate who was involved in the **current** planning process? (For example, who led the development at the staff level and were there any external contributors such as contractors? Who participated on the plan committee, provided information, reviewed drafts, *etc.*?)	***Section I, Introduction, E. Participants in the Planning Process p. 6***	***Kris Noble in the Hyde Manager's Office facilitated the planning process and arranged committee meetings and facilitated meetings. The Hyde Emergency Manager worked closely to coordinate the process.***		
	Section I, pp. 6-9	The members of the Hyde County Mitigation Advisory Committee are identified in the updated Plan. The facilitator from the county manager's office is also identified.		X

4. Documentation of the Planning Process

Requirement §201.6(b): *In order to develop a more comprehensive approach to reducing the effects of natural disasters, the planning process* ***shall*** *include:*
(1) An opportunity for the public to comment on the plan during the drafting stage and prior to plan approval;
(2) An opportunity for neighboring communities, local and regional agencies involved in hazard mitigation activities, and agencies that have the authority to regulate development, as well as businesses, academia and other private and non-profit interests to be involved in the planning process; and
(3) Review and incorporation, if appropriate, of existing plans, studies, reports, and technical information.

Requirement §201.6(c)(1): *[The plan* ***shall*** *document] the planning process used to develop the plan, including how it was prepared, who was involved in the process, and how the public was involved.*

	Location in the		SCORE	
C. Does the **new or updated** plan indicate how the public was involved? (Was the public provided an opportunity to comment on the plan during the drafting stage and prior to the plan approval?)	***Section I, pp. 8-9***	***Two public hearings were held including one on the Hyde Mainland and one on Ocracoke Island.***		
	Section I, pp. 8-9	The updated Plan describes the public's opportunity to review and comment on the draft Plan on two separate occasions. Meeting dates and notification methods are identified. The public has not yet had the opportunity to review and comment on the final plan prior to approval. **REQUIRED REVISION:** The updated Plan must indicate how the public was provided an opportunity to comment of the plan prior to final plan approval. Refer to "Local Multi-hazard Mitigation Planning guidance, July 2008, Requirement 201.6(b) and 201.6(c)(1), pp. 26-27..	X	
	Section 1, page 9 Appendix C page C11	The public meeting to approve the plan is scheduled to be held October 19, 2009 at the Hyde County Board of Commissioners meeting.		
D. **Does the new or updated plan discuss the** opportunity for neighboring communities, agencies, businesses, academia, nonprofits, and other interested parties to be involved in the planning process?	***Section I, Introduction pp. 8-9***	***Public Hearings were advertised to neighboring communities through regional newspapers and the county's website.***		
	Section I, pp. 6-9	The updated Plan states that both public hearings were advertised in both regional newspapers. These newspapers are distributed locally and in neighboring counties. Meeting notices were also advertised on the county website, sent via e-mail to the county Manager's Public Notice distribution list and displayed with all Public Notices at the Hyde Government Center.		X
E. Does the planning process describe the review and	***Section I,***	***Various plans, studies, reports and information were***		

4. Documentation of the Planning Process

Requirement §201.6(b): *In order to develop a more comprehensive approach to reducing the effects of natural disasters, the planning process* ***shall*** *include:*
(1) An opportunity for the public to comment on the plan during the drafting stage and prior to plan approval;
(2) An opportunity for neighboring communities, local and regional agencies involved in hazard mitigation activities, and agencies that have the authority to regulate development, as well as businesses, academia and other private and non-profit interests to be involved in the planning process; and
(3) Review and incorporation, if appropriate, of existing plans, studies, reports, and technical information.

Requirement §201.6(c)(1): *[The plan* ***shall*** *document] the planning process used to develop the plan, including how it was prepared, who was involved in the process, and how the public was involved.*

	Location in the		SCORE	
incorporation, if appropriate, of existing plans, studies, reports, and technical information?	***Introduction pp. 8-9***	***brought to the table by committee members. (i.e., Hyde Emergency Operations Plan, Hyde Land Use Plan, Hyde Subdivision Ordinance and the Economic Development Intelligence System)***		
	Section I, p. 8; Appendix C, p. C-9	The updated Plan identifies existing information sources that were reviewed for incorporation in the updated Plan. These sources include: • Hyde Emergency Operations Plan • Hyde CAMA Land Use Plan • Hyde Subdivision Ordinance • Economic Development Intelligence System		X
F. Does the updated plan document how the planning team reviewed and analyzed each section of the plan and whether each section was revised as part of the update process?	***Section I. Introduction, E. and F, pp 2, 7-10,***	***Each section of the Hyde County Mitigation Plan update was updated and revised through a collaborative effort between the Hyde County Mitigation Advisory Committee, citizens, public agencies, non-profit organizations, the private sector, as well as, members of the emergency management community.***		
	Section V, Evaluation and Enhancement, Revisions and Updates, pp 46-48	***According to the Advisory committee, the evaluation and monitoring activities have however been informal over the past five years. Although the individual actions support the counties overall strategy, a formal review process has not been established or maintained. The overall Hazard Mitigation strategy has not changed although some actions have been modified to better serve the county.***		
	Section I	The updated Plan does not clearly document how the planning team reviewed and analyzed each section of eh original plan (e.g. Introduction, Community goals, Mitigation Strategy, Implementation, Evaluation and enhancement, Appendices) and whether each section was revised as part of the update process. Much of the text in the updated Plan is exactly the	X	

4. Documentation of the Planning Process

Requirement §201.6(b): *In order to develop a more comprehensive approach to reducing the effects of natural disasters, the planning process* ***shall*** *include:*
(1) An opportunity for the public to comment on the plan during the drafting stage and prior to plan approval;
(2) An opportunity for neighboring communities, local and regional agencies involved in hazard mitigation activities, and agencies that have the authority to regulate development, as well as businesses, academia and other private and non-profit interests to be involved in the planning process; and
(3) Review and incorporation, if appropriate, of existing plans, studies, reports, and technical information.

Requirement §201.6(c)(1): *[The plan* ***shall*** *document] the planning process used to develop the plan, including how it was prepared, who was involved in the process, and how the public was involved.*

	Location in the		SCORE	
		same as that in the original 2003 plan. **REQUIRED REVISION:** The updated Plan must describe the process used to review and analyze each section of the original 2003 plan. If some sections of the original plan required and update and others did not, the updated Plan must document the process used to make that determination. Refer to "Local Multi-hazard Mitigation Planning guidance, July 2008, Requirement 201.6(b) and 201.6(c)(1), pp. 26-27..		
	Section 1 pp. 1, 7-8	The process used to review and analyze each section of the plan included the following: • the planning committee reviewed each Step of the planning process in the plan and identified information that required deletion, deferment, or to remain unchanged; a majority vote of the committee was utilized to determine necessary changes regarding each step • a review of existing mitigation actions to determine if they had been implemented • an evaluation of existing and future land uses as it relates to the special flood hazard area in Hyde County • an analysis of existing ordinances and studies and has been described in section 1.		
		SUMMARY SCORE	X	

RISK ASSESSMENT: *§201.6(c)(2): The plan shall include a risk assessment that provides the factual basis for activities proposed in the strategy to reduce losses from identified hazards. Local risk assessments must provide sufficient information to enable the jurisdiction to identify and prioritize appropriate mitigation actions to reduce losses from identified hazards.*

5. Identifying Hazards

Requirement §201.6(c)(2)(i): *[The risk assessment **shall** include a] description of the type … of all natural hazards that can affect the jurisdiction.*

Element	Location in the Plan (section or annex and page #)	Reviewer's Comments	SCORE N	SCORE S
A. Does the **new or updated** plan include **a description** of the types of **all natural hazards** that affect the jurisdiction?	***Appendix A (entire) pp A-1 to A -33*** Appendix A	***Appendix A details all of the natural hazards affecting Hyde County and gives a complete description including all historical occurrence and other updated information..*** The updated Plan contains a description of the following natural hazards that affect the jurisdiction: • Flooding • Hurricanes and Tropical Storms • Tornadoes • Nor'easters and Coastal Storms • Severe Winter Storms • Severe Thunderstorms • Wildfires • Earthquakes		X
		SUMMARY SCORE		X

6. Profiling Hazards

Requirement §201.6(c)(2)(i): *[The risk assessment **shall** include a] description of the … location and extent of all natural hazards that can affect the jurisdiction. The plan **shall** include information on previous occurrences of hazard events and on the probability of future hazard events.*

Element	Location in the Plan (section or annex and page #)	Reviewer's Comments	SCORE N	SCORE S
A. Does the risk assessment identify the **location** (*i.e.*, geographic area affected) of each natural hazard addressed in the **new or updated** plan?	***Appendix A And Community Vulnerability Maps B-29, B-30, B31.***	***Included in the complete description of each natural hazard is a narrative that draws conclusions concerning where natural hazards have affected previously and where they are expected to affect in the future. Also Community Vulnerability Maps such as B-29-Flood Hazard Areas, B-30 Ocracoke Flood Hazard Areas, and B31-SLOSH model paint of picture of past occurrences.***		

	Appendix A; Appendix B, pp. b_29 – B-31	The updated Plan identifies the location of each natural hazard addressed. Maps in Appendix B identify affected areas for floods, while other hazards affect the entire jurisdiction. The Plan further rates hazards based on the extent of the jurisdiction affected by a given event magnitude.		X
B. Does the risk assessment identify the **extent** (*i.e.*, magnitude or severity) of each hazard addressed in the **new or updated** plan?	***Appendix A, Hazard Identification and Analysis Chart, Pp. 34-36*** Appendix A, pp. A-32 – A-36 Appendix A, page A-32	***The Hazard Profile Chart in the back of Appendix A gathers all necessary information given in Appendix A and identifies the magnitude, frequency, location, impact and hazard risk index rating for each natural hazard.*** The updated Plan describe extent – how bad could it be – for the following hazards: Floods – type of event Hurricanes/Tropical Storms – Saffir Simpson Scale Nor'easter/Coastal Storm – Dolan-Davis Scale Tornadoes – Fujita Scale Earthquake – Modified Marcalli Scale However, for Severe Winter Storms, Severe Thunderstorms, and Wildfire, terms "Significant" and "Severe" are used without any definition of that classification. The Plan must clearly define any classification method used to describe <u>extent</u> – how bad can it be. **<u>REQUIRED REVISION:</u>** The updated Plan must describe the extent of each natural hazard addressed. Express "extent" in terms of scientific scales or quantitative measurements. Extent can also be expressed using a classification method (High/Medium/Low, Light/Moderate/Severe) as long as the updated Plan clearly defines any classification method used to describe the extent of a hazard. Refer to "Local Multi-hazard Mitigation Planning guidance, July 2008, Requirement 201.6©(2)(i), pp. 32-35. Significant and Severe magnitudes have been clearly defined in the magnitude classification.	X	
C. Does the plan provide information on **previous occurrences** of each hazard addressed in the **new or**	***Appendix A and Appendix C***	***All previous occurrences are detailed for each natural hazard. Three hazard events have occurred since the last***		

updated plan?	*pp.C-6* Appendix A	*plan update.* The updated Plan discusses previous occurrences of each of the natural hazards addressed in the Plan. The Plan uses both tables and text to provide information on previous occurrences.		X
D. Does the plan include the **probability of future events** (*i.e.*, chance of occurrence) for each hazard addressed in the **new or updated** plan?	***Appendix A (entire)*** Appendix A, pp. A-32 – A-36	***The probability of future events is addressed for each natural hazard under its corresponding section.*** The updated Plan identifies the probability of future events for each hazard addressed in the Plan. The Plan uses a Frequency scale, based on the probability of an annual occurrence, for each hazard. The Frequency scale is defined on page 32 and used in the hazard table that follows.		X
		SUMMARY SCORE	X	

7. Assessing Vulnerability: Overview

Requirement §201.6(c)(2)(ii): *[The risk assessment **shall** include a] description of the jurisdiction's vulnerability to the hazards described in paragraph (c)(2)(i) of this section. This description **shall** include an overall summary of each hazard and its impact on the community.*

Element	Location in the Plan (section or annex and page #)	Reviewer's Comments	SCORE N	SCORE S
A. Does the **new or updated** plan include an **overall summary** description of the jurisdiction's **vulnerability** to each hazard?	***Appendix B Pp. B-51***	***Appendix B, page B-51 includes a complete vulnerability summary for each hazard and also includes a section addressing conclusions developed on community vulnerability.***		
		Areas throughout the county are vulnerable to all the hazards identified in Appendix A, and for the most part, they face a uniform level of risk for each hazard.		
	Community Vulnerability Maps, Appendix B	***The Community vulnerability maps to be inserted in Appendix B further provide a visual description of Hyde County's vulnerability to each hazard.***		
	Appendix A, Appendix B, pp. B-51 – B-55	The updated Plan includes an overall summary of the jurisdiction's vulnerability to each natural hazard. The entire jurisdiction is vulnerable to each of the hazards. The updated Plan summarizes vulnerability n terms of the types of structures affected by the hazards.		X
B. Does the **new or updated** plan address the **impact** of each hazard on the jurisdiction?	***Appendix A, Hazard Identification and Analysis Worksheet, Pp. 32-33, and A-1 and A-2***	***The Hazard Profile Worksheet and Risk Index at the end off Appendix A gathers all necessary information on hazards; and identifies the magnitude, frequency, location, impact and risk index rating for each natural hazard.***		
	Appendix A, pp. A-32 – A-35; Appendix B, pp. B-51 – B-55	In Appendix A of the updated Plan, impact is described in terms of the area affected by each hazard. The scale used is defined as percent of damage. In Appendix D, the types, numbers and dollar value of the vulnerable structures is provided. The data is, however, almost identical to that in the original 2003 plan.		X
		SUMMARY SCORE		X

8. Assessing Vulnerability: Addressing Repetitive Loss Properties

Requirement §201.6(c)(2)(ii): *[The risk assessment]* ***must*** *also address National Flood Insurance Program (NFIP) insured structures that have been repetitively damaged floods.*

Element	Location in the Plan (section or annex and page #)	Reviewer's Comments	SCORE N	SCORE S
A. Does the new or updated plan describe vulnerability in terms of the types and numbers of *repetitive loss properties* located in the identified hazard areas?	***Mitigation Strategy, page 12 and Mitigation Action # 7 and 8, pp 24-25***	***Note: This requirement becomes effective for all local plans approved after October 1, 2008.*** ***Acquisition of properties have occurred since the development of the existing Hazard Mitigation plan through FEMA's HMGP; in addition, residential structures have been also elevated in areas that were vulnerable and subject to flooding through the HMGP.*** ***The required deed restrictions by FEMA are in place regarding the re-use of these properties. This includes regulations regarding Land Use, Structures, Assistance, Conveyance and Term and Binding Effect.***		
	Appendix B – Repetitive Loss Properties in Hyde County.	***A data base (2 lists) identifying all the repetitive and severe repetitive loss properties is maintained by the county's Emergency Management Department/Coordinator. Both RLP lists are included in this update and a generalized description of their location is provided as well (to be published subject to FEMA approval)***		
	The Community Vulnerability map for Flood Hazard Areas.	***The Community Vulnerability maps identifies flood areas rated A, AE, X and V for both the mainland and Ocracoke Island.***		
	Appendix B, Section 6, pp. B-13 – B-16	The updated Plan identifies 52 repetitive loss properties located within the hazard areas. The Plan includes a list of properties (without addresses), number of losses, and total paid.		X
		SUMMARY SCORE		X

9. Assessing Vulnerability: Identifying Structures

Requirement §201.6(c)(2)(ii)(A): *The plan **should** describe vulnerability in terms of the types and numbers of existing and future buildings, infrastructure, and critical facilities located in the identified hazard area ….*

Element	Location in the Plan (section or annex and page #)	Reviewer's Comments	SCORE N	SCORE S
A. Does the **new or updated** plan describe vulnerability in terms of the **types and numbers** of **existing** buildings, infrastructure, and critical facilities located in the identified hazard areas?	***Appendix B: Pp: 53-55. Critical Facilities Inventory, Building Stock and Dollar Exposure Worksheet and Private Development Inventory*** Appendix B, pp. 51 – B-55	***Note: A "Needs Improvement" score on this requirement will not preclude the plan from passing.*** ***A complete analysis of all existing building both public, private and all critical facilities have been identified.*** The updated Plan describes vulnerability in terms of types and numbers of existing buildings and critical facilities using the Vulnerability Assessment Worksheets. The worksheets cover private buildings, critical facilities, and general building stock. The information in the worksheets is almost identical to that contained in the original 2003 plan worksheets.		X
B. Does the **new or updated** plan describe vulnerability in terms of the **types and numbers** of **future** buildings, infrastructure, and critical facilities located in the identified hazard areas?	***Appendix B: Pp: 53-55. Critical Facilities Inventory, Building Stock and Dollar Exposure Worksheet and Private Development Inventory*** Appendix B, pp. 51 – B-55	***Note: A "Needs Improvement" score on this requirement will not preclude the plan from passing.*** ***Future predictions have been made using information from the US Census and HAZUS data.*** The updated Plan describes vulnerability in terms of types and numbers of future buildings and critical facilities through 2020 using the Vulnerability Assessment Worksheets. The worksheets cover private buildings, critical facilities, and general building stock. The information in the worksheets is almost identical to that contained in the original 2003 plan worksheets.		X

SUMMARY SCORE		X

10. Assessing Vulnerability: Estimating Potential Losses

Requirement §201.6(c)(2)(ii)(B): *[The plan **should** describe vulnerability in terms of an] estimate of the potential dollar losses to vulnerable structures identified in paragraph (c)(2)(ii)(A) of this section and a description of the methodology used to prepare the estimate ….*

Element	Location in the Plan (section or annex and page #)	Reviewer's Comments	SCORE N	SCORE S
A. Does the **new or updated** plan estimate **potential dollar losses** to vulnerable structures?		***Note: A "Needs Improvement" score on this requirement will not preclude the plan from passing.***		
	Appendix B: Pp: 53-55. Critical Facilities Inventory, Building Stock and Dollar Exposure Worksheet and Private Development Inventory	***A complete analysis of all existing building both public, private and all critical facilities have been identified.***		
	Appendix B, pp. 51 – B-55	The updated Plan estimates potential dollar losses for both existing and future buildings and critical facilities using the Vulnerability Assessment Worksheets. The worksheets cover private buildings, critical facilities, and general building stock. The information in the worksheets is almost identical to that contained in the original 2003 plan worksheets.		X
B. Does the **new or updated** plan describe the **methodology** used to prepare the estimate?		***Note: A "Needs Improvement" score on this requirement will not preclude the plan from passing.***		
	Appendix B: Section 10. Conclusions on Community Vulnerability, Pp. B-51-52	***Reference the Complete Methodology used to prepare Critical Facilities Inventory, Building Stock and Dollar Exposure Worksheet and Private Development Inventory***		
	Appendix B, pp. 51 – B-55	The updated Plan uses county tax records and HAZUS data to prepare the estimates.		X
		SUMMARY SCORE		X

11. Assessing Vulnerability: Analyzing Development Trends

Requirement §201.6(c)(2)(ii)(C): *[The plan **should** describe vulnerability in terms of] providing a general description of land uses and development trends within the community so that mitigation options can be considered in future land use decisions.*

Element	Location in the Plan (section or annex and page #)	Reviewer's Comments	SCORE N	SCORE S
A. Does the **new or updated** plan describe land uses and development trends?		***Note: A "Needs Improvement" score on this requirement will not preclude the plan from passing.***		
	Appendix B: Section 8. Development Trends and Implications Pp. B19	***Land uses and development trends are specifically addressed in this section. Further information was gathered throughout Appendix B including: Geographic Profile, Demographic Profile, Economic Profile and natural, historic and cultural resources.***		
	Appendix B, pp. B-19 – B-20, B-34 – B-35	The updated Plan describes land uses and development trends within the jurisdiction. Maps color code both current and future land uses. Hyde County expects very little residential development in the next 20 years.. The County is trying to stimulate the development of a more stable industrial and economic base.		X
		SUMMARY SCORE		X

12. Multi-Jurisdictional Risk Assessment

Requirement §201.6(c)(2)(iii): *For multi-jurisdictional plans, the risk assessment **must** assess each jurisdiction's risks where they vary from the risks facing the entire planning area.*

Element	Location in the Plan (section or annex and page #)	Reviewer's Comments	SCORE N	SCORE S
A. Does the **new or updated** plan include a risk assessment for each participating jurisdiction as needed to reflect unique or varied risks?	***N/A***	***This is a single jurisdiction plan update.***		
	N/A	This is an updated single jurisdictional Plan	N/A	N/A
		SUMMARY SCORE	N/A	N/A

MITIGATION STRATEGY: *§201.6(c)(3): The plan shall include a mitigation strategy that provides the jurisdiction's blueprint for reducing the potential losses identified in the risk assessment, based on existing authorities, policies, programs and resources, and its ability to expand on and improve these existing tools.*

13. Local Hazard Mitigation Goals

Requirement §201.6(c)(3)(i): *[The hazard mitigation strategy **shall** include a] description of mitigation goals to reduce or avoid long-term vulnerabilities to the identified hazards.*

Element	Location in the Plan (section or annex and page #)	Reviewer's Comments	SCORE N	SCORE S
A Does the **new or updated** plan include a description of mitigation **goals** to reduce or avoid long-term vulnerabilities to the identified hazards?	***Section II. Community Goals P. 10*** Section II, p. 10	***Four long term Goals were identified in the original plan. After brainstorming activities the committee kept the four original goals and modified them slightly.*** The updated Plan identifies 4 goal statements for the community. Each of the goals is a slightly modified version of those in the original 2003 plan.		X
		SUMMARY SCORE		X

14. Identification and Analysis of Mitigation Actions

Requirement §201.6(c)(3)(ii): *[The mitigation strategy **shall** include a] section that identifies and analyzes a comprehensive range of specific mitigation actions and projects being considered to reduce the effects of each hazard, with particular emphasis on new and existing buildings and infrastructure.*

Element	Location in the Plan (section or annex and page #)	Reviewer's Comments	SCORE N	SCORE S
A. Does the **new or updated** plan identify and analyze a **comprehensive range** of specific mitigation actions and projects for each hazard?	***Section III. B. Mitigation Actions Pp. 18-36*** Section III, pp. 18-36; Appendix D	***18 Specific Mitigation actions have been detailed in Section III. Each action specifies which hazards each action addresses.*** The updated Plan identifies a number of specific mitigation actions and projects for each hazard. Appendix D contains the Mitigation Action Plan (MAP) which is the jurisdiction's tool for monitoring the implementation of the action items. The MAP and Section II identify the same projects and contain much the same information. However, some of the data, such as completion dates and priorities, do not match. The action items listed are the same as those in the original 2003 plan, with small text changes in some. **Recommended Revision:** Since the MAP is expected to be the primary plan monitoring tool, the action item information in Section III		X

		and the MAP should be the same.		
B Do the identified actions and projects address reducing the effects of hazards on **new** buildings and infrastructure?	***Section III. B. Mitigation Actions Pp. 18-36*** Section III, pp. 18-36; Appendix D	***Action 1 addresses mitigation by providing flood insurance information in all building permits. Action 2 addresses protecting Swan Quarter township, including two new government buildings by advocating completion of the dike. Action 8 addresses protecting all critical facilities including all new facilities. Action 16 addresses the requirement of all new manufactured/mobile home parks to have storm shelters.*** Mitigation action identified in the updated Plan address reducing hazard effects on new buildings. Action 2, Action 9, Action 12, Action 16, and Action 17 include new construction. The action items listed are the same as those in the original 2003 plan, with small text changes in some		X
C. Do the identified actions and projects address reducing the effects of hazards on **existing** buildings and infrastructure?	***Section III. B. Mitigation Actions Pp. 18-36*** Section III, pp. 18-36; Appendix D	***Yes, all of the individual actions address reducing the effects of hazards on existing buildings, infrastructure and communities*** Mitigation actions identified in the updated Plan address reducing the effects of hazards on existing buildings. The action items listed are the same as those in the original 2003 plan, with small text changes in some		X
		SUMMARY SCORE		X

15. Identification and Analysis of Mitigation Actions: National Flood Insurance Program (NFIP) Compliance

Requirement: §201.6(c)(3)(ii): *[The mitigation strategy] must also address the jurisdiction's participation in the National Flood Insurance Program (NFIP), and continued compliance with NFIP requirements, as appropriate.*

Element	Location in the Plan (section or annex and page #)	Reviewer's Comments	SCORE N	SCORE S
A. Does the new or updated plan describe the jurisdiction (s) participation in the NFIP?	*Section III. Mitigation Strategy. Part A. Mitigation Objectives, pp 12-13*	***Note: This requirement becomes effective for all local mitigation plans approved after October 1, 2008.*** ***Objective 1.1. The county will strive to maintain the County's current NFIP/CRS Class Rating and work towards achievement of Class 8 by accomplishing as many feasible portions of the guidelines as possible through enhanced floodplain management activities.*** ***Objective 3.2 The county will continue to work to decrease the number of Repetitive loss properties.***		
	Mitigation Actions, page 18,19	***Mitigation Action #1 and #2***		
	Section III, pp. 12-13; Appendix C, pp. C-7 – C-8	Hyde County is a participant in the NFIP. The County participates in the Community Rating System (CRS) as a Class 9 community.		X
B. Does the mitigation strategy identify, analyze and prioritize actions related to continued compliance with the NFIP?	*Sect III. Mitigation Strategy Part A. Mitigation Objectives, pp 12-13*	***Note: This requirement becomes effective for all local mitigation plans approved after October 1, 2008.*** ***Objective 4.2 The county will continue to raise awareness and increase the number of residents that maintain an active NFIP policy***		
	Mitigation Actions, page 24 and 25	***Mitigation Action # 7. Continue to acquire and preserve parcels of land subject to repetitive flooding. Continue to apply to FEMA's HMGP program to accomplish this***		

		action. Enforce deed restrictions and regulate land uses as a priority to accomplish continued compliance with the NFIP. ***Action # 8 Preserve and manage open space and continue to pursue CRS credits to comply with the NFIP. Enforce Building codes also as a strategy to comply with the NFIP.***		
	Section III, pp. 12-13, pp. 18-36	The updated Plan identifies and prioritizes actions related to continued compliance with the NFIP. The county wishes to maintain its CRS rating and work towards improving it. The county will promote the availability of flood insurance and address repetitive flood loss properties.		X
		SUMMARY SCORE		X

16. Implementation of Mitigation Actions

Requirement: §201.6(c)(3)(iii): *[The mitigation strategy section **shall** include] an action plan describing how the actions identified in section (c)(3)(ii) will be prioritized, implemented, and administered by the local jurisdiction. Prioritization **shall** include a special emphasis on the extent to which benefits are maximized according to a cost benefit review of the proposed projects and their associated costs.*

Element	Location in the Plan (section or annex and page #)	Reviewer's Comments	SCORE N	SCORE S
A. Does the **new or updated** mitigation strategy include how the actions are **prioritized**? (For example, is there a discussion of the process and criteria used?)	***Section III. Mitigation Strategy. B. Mitigation Actions/Techniques Pp. 14-17*** ***Appendix A. Hazard Profile Worksheet and Risk Index, page A-1 and A-2 at the end of Section III***	***The committee first completed a conclusion on Hazard Risk (Appendix A) which prioritized risk from High to Negligible. The actions were then analyzed and mitigation techniques were considered for each action. The detailed description of each action includes a committee decision on the priority placed on each action.***		
	Section III, pp. 14 – 36; Appendix D	The updated Plan prioritizes mitigation actions as "High/Moderate/Low". The priorities were established by the Mitigation Advisory Committee. However, the Plan does not clearly define or describe the criteria used to establish what is "High/Moderate/Low" priority. The Plan must describe the method used to prioritize actions.	X	

	Section III, pp 16-17	**REQUIRED REVISION:** The updated Plan must clearly describe the method used for prioritizing actions. Define or describe the "High/Moderate/Low" criteria used. Refer to "Local Multi-hazard Mitigation Planning guidance, July 2008, Requirement 201.6(c)(3)(iii), pp. 63-64. "High/Moderate/Low" criteria has been clearly defined as it applies to each category of mitigation actions.		
B. Does the **new or updated** mitigation strategy address how the actions will be implemented and administered, including the responsible department , existing and potential resources and the timeframe to complete each action?	***Section III. B. Mitigation Actions Pp. 18-36*** Section III, pp. 18 – 36; Section IV	***Each individual action identifies the responsible department as well suggested funding sources. Implementation and Evaluation is discussed thoroughly in Sections IV and V.*** Each mitigation action in the updated Plan identifies the responsible party, possible funding source(s), and time frame. Section IV discusses implementation, primarily funding sources.		X
C. Does the **new or updated** prioritization process include an emphasis on the use of a **cost-benefit review** to maximize benefits?	***Section III. B. Mitigation Actions Pp. 18-36*** Section III, p. 17	***Each individual action included in the plan has been deemed by the committee as necessity and not optional mitigation actions. Any action deemed not feasible because of cost benefit or other factors have been omitted from the plan.*** The updated Plan states the prioritization process will include an emphasis on the use of a Cost/Benefit Review to maximize benefits of each mitigation action.		X
D. Does the **updated** plan identify the completed, deleted or deferred mitigation actions as a benchmark for progress, and if activities are unchanged (*i.e.*, deferred), does the updated plan describe why no changes occurred?	***Section III. B. Mitigation Actions Pp. 18-36*** Section III, pp. 14 – 36; Appendix D	***Mitigation Actions #1- #19 have been updated indicating changes based on Benchmarks, Priorities, Funding sources, Responsible agencies and Target completion dates. The updated actions further discuss activities and changes that have occurred since the plan was initially developed (i.e., Action # 16 was updated to indicate that in the past 5 years, wind resistant techniques have been applied to all new construction. No retrofitting has been done to this date).*** The updated Plan identifies one completed action from the original 2003 plan. Action 1 was identified as having been		

		incorporated as of 11/6/2006. However, it is still presented in the updated Plan in both Section III and the MAP in Appendix D as a current action. The remaining actions are either exactly the same as the previous ones, or have had small text changes made (e.g. "continue to…" added). If an action remains unchanged, no indication as to why changes are not needed is provided. Actions with target completion dates within the time period of the original 2003 plan offer no explanation as to why they were deferred or not completed. The original 2003 plan had 20 action items. The last action item (#20) from the 2003 plan does not appear on the updated Plan list, but no explanation is offered as to why it has been deleted. **REQUIRED REVISION:** The updated Plan must clearly identify the completed, deleted, or deferred actions from the previously approved 2003 plan. Any mitigation actions that remain unchanged from the previous 2003 plan must clearly indicate why they remain unchanged. Refer to "Local Multi-hazard Mitigation Planning guidance, July 2008, Requirement 201.6(c)(3)(iii), pp. 63-64.	X	
	Section III, pp 18-36	Mitigation actions 1-20 have been clearly defined as completed or deferred. None of the actions have been deleted (completion dates were added). Completed actions were identified as completed. Deferred actions were identified as continuous. Each mitigation action that remained unchanged has been described in the background section of the Action table.		
			SUMMARY SCORE	X	

17. Multi-Jurisdictional Mitigation Actions

Requirement §201.6(c)(3)(iv): *For multi-jurisdictional plans, there **must** be identifiable action items specific to the jurisdiction requesting FEMA approval or credit of the plan.*

Element	Location in the Plan (section or annex and page #)	Reviewer's Comments	SCORE N	SCORE S
A Does the **new or updated** plan include identifiable **action items** for each jurisdiction requesting FEMA approval of the plan?	***N/A*** N/A	***This plan update is not multi- jurisdictional. It does however address the needs of all townships and the committee members represent all townships.*** This is an updated single jurisdictional Plan	N/A	N/A
B. Does the **updated** plan identify the completed, deleted or deferred mitigation actions as a benchmark for progress, and if activities are unchanged (*i.e.*, deferred), does the updated plan describe why no changes occurred?	***N/A*** N/A	***This plan update is not multi- jurisdictional. It does however address the needs of all townships and the committee members represent all townships.*** This is an updated single jurisdictional Plan	N/A	N/A
		SUMMARY SCORE	N/A	N/A

PLAN MAINTENANCE PROCESS

18. Monitoring, Evaluating, and Updating the Plan

Requirement §201.6(c)(4)(i): *[The plan maintenance process **shall** include a] section describing the method and schedule of monitoring, evaluating, and updating the mitigation plan within a five-year cycle.*

Element	Location in the Plan (section or annex and page #)	Reviewer's Comments	SCORE N	SCORE S
A. Does the **new or updated** plan describe the method and schedule for **monitoring** the plan, including the responsible department?	***Section V. Evaluation & Enhancement. A. Monitoring and Reporting, P. 46*** Section V, p. 46	***While the ultimate responsibility rests on the County Manager, the Emergency Management Coordinator has been designated the responsibility for ensuring effective monitoring of progress.*** The updated Plan will be monitored by the Emergency Management Coordinator. A report, including an updated Mitigation Action Plan (MAP), will be prepared annually for the County Manager and Board of Commissioners. The MAP is a tool used for monitoring the Plan. Mitigation actions are also monitored as part		X

		of CRS re-certification.		
B. Does the **new or updated** plan describe the method and schedule for **evaluating** the plan, including how, when and by whom (*i.e.* the responsible department)?	***Section V. Evaluation & Enhancement. A. Monitoring and Reporting, P. 47*** Section V, pp. 46-47	***While the ultimate responsibility rests on the County Manager, the Emergency Management Coordinator has been designated the responsibility for ensuring effective monitoring of progress.*** The updated Plan will be evaluated annually for effectiveness and appropriateness of the mitigation actions. The report is prepared by the Emergency Management Coordinator for review and action by the County Manager and Board of Commissioners. An additional evaluation of specific parts of the Plan are to take place every 3 years.		X
C. Does the **new or updated** plan describe the method and schedule for **updating** the plan within the five-year cycle?	***Section V. Evaluation & Enhancement. B. Revisions and Updates Pp 47-48*** Section V, pp. 47-48 ***Section V. Evaluation & Enhancement. B.***	***While the ultimate responsibility rests on the County Manager, the Emergency Management Coordinator has been designated the responsibility for ensuring effective monitoring of progress.*** The updated Plan describes a method by which the Plan can be updated within the 5-year cycle. The Plan can be updated as part of recommendations in the annual report, the 3-year review, or following a disaster. However, the updated Plan makes no clear mention regarding the review, revision, and resubmission for approval within 5 years to continue to be eligible for mitigation grant funding. **REQUIRED REVISION:** The updated Plan must describe the method and schedule for updating the Plan within 5 years in order to continue to be eligible for mitigation project grant funding. Refer to "Local Multi-hazard Mitigation Planning guidance, July 2008, Requirement 201.6(c)(4)(i), pp. 68-69... A five year review update procedure has been described in Section V, Evaluation and Enhancement.	X	

	Revisions and Updates pp 48-49			
		SUMMARY SCORE	X	

19. Incorporation into Existing Planning Mechanisms

Requirement §201.6(c)(4)(ii): *[The plan **shall** include a] process by which local governments incorporate the requirements of the mitigation plan into other planning mechanisms such as comprehensive or capital improvement plans, when appropriate.*

Element	Location in the Plan (section or annex and page #)	Reviewer's Comments	SCORE N	SCORE S
A. Does the **new or updated** plan identify other local planning mechanisms available for incorporating the mitigation requirements of the mitigation plan?	***Appendix C. Section 4. Policy and Program Capability Pp. C-6 to C-11 and throughout App. C to C-21*** Appendix C, pp. C-10 – C-11	***The hazard mitigation plan is incorporated throughout the Emergency Operations Plan, CAMA Land Use Plan, Floodplain Management Plan, Stormwater Management Plan, and County Ordinances*** The updated Plan identifies CRS and local ordinances as specific mechanisms for incorporating mitigation requirements. Other planning mechanisms such as Stormwater Management and Emergency Operations could possibly include mitigation requirements.		X
B. Does the **new or updated** plan include a process by which the local government will incorporate the mitigation strategy and other information contained in the plan (*e.g.*, risk assessment) into other planning mechanisms, when appropriate?	***Appendix C. Section 4. Policy and Program Capability Pp. C-6 and C-19 and throughout App C.*** Appendix C, pp. C-10 – C-11	***Elevation and Acquisition of Flood prone structures and properties, including FEMA's HMA programs and HUD's CDBG program have been incorporated into the mitigation strategies and planning mechanisms in Hyde County.*** The updated Plan will be used to fulfill the CRS planning requirement, and will e maintained as such. The updated Plan will also used to local ordinances.		X
C. Does the **updated** plan explain how the local government incorporated the mitigation strategy and other information contained in the plan (*e.g.*, risk assessment) into other planning mechanisms, when appropriate?	***Appendix C. Section 4. Policy and Program Capability Pp. C-6 and C-19 and throughout App C*** Appendix C	***The hazard mitigation plan is incorporated throughout the Emergency Operations Plan, CAMA Land Use Plan, Floodplain Management Plan, Stormwater Management Plan, and County Ordinances*** The updated Plan does not clearly explain or describe how the mitigation strategy and other information from the original 2003 plan was incorporated into other planning documents.	X	

		REQUIRED REVISION: Explain how the original 2003 mitigation plan was incorporated into other planning mechanisms, when appropriate, as a demonstration of progress in mitigation efforts. Refer to "Local Multi-hazard Mitigation Planning guidance, July 2008, Requirement 201.6(c)(4)(ii), pp. 70-72...		
	Appendix C. page C-1	The Hazard Mitigation Planning Committee met annually to review the hazard mitigation plan. The committee recommended four mitigations actions be implemented into applicable planning mechanisms and hazard related programs.		
		SUMMARY SCORE	X	

20. Continued Public Involvement

Requirement §201.6(c)(4)(iii): *[The plan maintenance process **shall** include a] discussion on how the community will continue public participation in the plan maintenance process.*

Element	Location in the Plan (section or annex and page #)	Reviewer's Comments	SCORE N	SCORE S
A. Does the **new or updated** plan explain how **continued public participation** will be obtained? (For example, will there be public notices, an on-going mitigation plan committee, or annual review meetings with stakeholders?)	***Section III. Mitigation Strategy pp. 18-35 Also found in Appendix D: MAP*** Section V, pp. 46-48	***Many of the individual actions involve education and public participation. Examples: Action 1, Action 5, Action 12, Action 14, and Action 17.*** If the annual report recommends an amendment to the Plan, the proposed amendment will be made available to all interested parties, including the public, soliciting comments. The amendment will be submitted to the Board of Commissioners who will hold a public hearing. Board action may include adoption or further hearing(s).		X
		SUMMARY SCORE		X

MATRIX A: PROFILING HAZARDS

This matrix can assist FEMA and the State in scoring each hazard. Local jurisdictions may find the matrix useful to ensure that their plan addresses each natural hazard that can affect the jurisdiction. **Completing the matrix is not required**.

Note: First, check which hazards are identified in requirement §201.6(c)(2)(i). Then, place a checkmark in either the N or S box for each** applicable **hazard. An "N" for any element of any identified hazard will result in a "Needs Improvement" score for this requirement. List the hazard and its related shortcoming in the comments section of the Plan Review Crosswalk.

Hazard Type	Hazards Identified Per Requirement §201.6(c)(2)(i)	A. Location		B. Extent		C. Previous Occurrences		D. Probability of Future Events	
	Yes	N	S	N	S	N	S	N	S
Avalanche	☐	☐	☐	☐	☐	☐	☐	☐	☐
Coastal Erosion	☐	☐	☐	☐	☐	☐	☐	☐	☐
Coastal Storm	☐	☐	☐	☐	☐	☐	☐	☐	☐
Dam Failure	☐	☐	☐	☐	☐	☐	☐	☐	☐
Drought	☐	☐	☐	☐	☐	☐	☐	☐	☐
Earthquake	☐	☐	☐	☐	☐	☐	☐	☐	☐
Expansive Soils	☐	☐	☐	☐	☐	☐	☐	☐	☐
Levee Failure	☐	☐	☐	☐	☐	☐	☐	☐	☐
Flood	☐	☐	☐	☐	☐	☐	☐	☐	☐
Hailstorm	☐	☐	☐	☐	☐	☐	☐	☐	☐
Hurricane	☐	☐	☐	☐	☐	☐	☐	☐	☐
Land Subsidence	☐	☐	☐	☐	☐	☐	☐	☐	☐
Landslide	☐	☐	☐	☐	☐	☐	☐	☐	☐
Severe Winter Storm	☐	☐	☐	☐	☐	☐	☐	☐	☐
Tornado	☐	☐	☐	☐	☐	☐	☐	☐	☐
Tsunami	☐	☐	☐	☐	☐	☐	☐	☐	☐
Volcano	☐	☐	☐	☐	☐	☐	☐	☐	☐
Wildfire	☐	☐	☐	☐	☐	☐	☐	☐	☐
Windstorm	☐	☐	☐	☐	☐	☐	☐	☐	☐
Other _____	☐	☐	☐	☐	☐	☐	☐	☐	☐
Other _____	☐	☐	☐	☐	☐	☐	☐	☐	☐
Other _____	☐	☐	☐	☐	☐	☐	☐	☐	☐

To check boxes, double click on the box and change the default value to "checked."

Legend:

§201.6(c)(2)(i) Profiling Hazards
A. Does the risk assessment identify the location (*i.e.*, geographic area affected) of each hazard addressed in the **new or updated** plan?
B. Does the risk assessment identify the extent (*i.e.*, magnitude or severity) of each hazard addressed in the **new or updated** plan?
C. Does the plan provide information on previous occurrences of each natural hazard addressed in the **new or updated** plan?
D. Does the plan include the probability of future events (*i.e.*, chance of occurrence) for each hazard addressed in the plan?

MATRIX B: ASSESSING VULNERABILITY

This matrix can assist FEMA and the State in scoring each hazard. Local jurisdictions may find the matrix useful to ensure that the new or updated plan addresses each requirement. **Completing the matrix is not required**.

Note: First, check which hazards are identified in requirement §201.6(c)(2)(i). Then, place a checkmark in either the N or S box for each ***applicable*** *hazard. An "N" for any element of any identified hazard will result in a "Needs Improvement" score for this requirement. List the hazard and its related shortcoming in the comments section of the Plan Review Crosswalk. Note: Receiving an N in the shaded columns will not preclude the plan from passing.*

To check boxes, double click on the box and change the default value to "checked."

Hazard Type	Hazards Identified Per Requirement §201.6(c)(2)(i)	§201.6(c)(2)(ii) Assessing Vulnerability: Overview					§201.6(c)(2)(ii) Assessing Vulnerability: Identifying Structures				§201.6(c)(2)(ii) Assessing Vulnerability: Estimating Potential Losses			
		A. Overall Summary Description of Vulnerability		B. Hazard Impact			A. Types and Number of Existing Structures in Hazard Area (Estimate)		B. Types and Number of Future Structures in Hazard Area (Estimate)		A. Loss Estimate		B. Methodology	
	Yes	N	S	N	S		N	S	N	S	N	S	N	S
Avalanche	☐	☐	☐	☐	☐		☐	☐	☐	☐	☐	☐	☐	☐
Coastal Erosion	☐	☐	☐	☐	☐		☐	☐	☐	☐	☐	☐	☐	☐
Coastal Storm	☐	☐	☐	☐	☐		☐	☐	☐	☐	☐	☐	☐	☐
Dam Failure	☐	☐	☐	☐	☐		☐	☐	☐	☐	☐	☐	☐	☐
Drought	☐	☐	☐	☐	☐		☐	☐	☐	☐	☐	☐	☐	☐
Earthquake	☐	☐	☐	☐	☐		☐	☐	☐	☐	☐	☐	☐	☐
Expansive Soils	☐	☐	☐	☐	☐		☐	☐	☐	☐	☐	☐	☐	☐
Levee Failure	☐	☐	☐	☐	☐		☐	☐	☐	☐	☐	☐	☐	☐
Flood	☐	☐	☐	☐	☐		☐	☐	☐	☐	☐	☐	☐	☐
Hailstorm	☐	☐	☐	☐	☐		☐	☐	☐	☐	☐	☐	☐	☐
Hurricane	☐	☐	☐	☐	☐		☐	☐	☐	☐	☐	☐	☐	☐
Land Subsidence	☐	☐	☐	☐	☐		☐	☐	☐	☐	☐	☐	☐	☐
Landslide	☐	☐	☐	☐	☐		☐	☐	☐	☐	☐	☐	☐	☐
Severe Winter Storm	☐	☐	☐	☐	☐		☐	☐	☐	☐	☐	☐	☐	☐
Tornado	☐	☐	☐	☐	☐		☐	☐	☐	☐	☐	☐	☐	☐
Tsunami	☐	☐	☐	☐	☐		☐	☐	☐	☐	☐	☐	☐	☐
Volcano	☐	☐	☐	☐	☐		☐	☐	☐	☐	☐	☐	☐	☐
Wildfire	☐	☐	☐	☐	☐		☐	☐	☐	☐	☐	☐	☐	☐
Windstorm	☐	☐	☐	☐	☐		☐	☐	☐	☐	☐	☐	☐	☐
Other _____	☐	☐	☐	☐	☐		☐	☐	☐	☐	☐	☐	☐	☐
Other _____	☐	☐	☐	☐	☐		☐	☐	☐	☐	☐	☐	☐	☐
Other _____	☐	☐	☐	☐	☐		☐	☐	☐	☐	☐	☐	☐	☐

Legend:

§201.6(c)(2)(ii) Assessing Vulnerability: Overview

A. Does the **new or updated** plan include an overall summary description of the jurisdiction's vulnerability to each hazard?

B. Does the **new or updated** plan address the impact of each hazard on the jurisdiction?

§201.6(c)(2)(ii)(A) Assessing Vulnerability: Identifying Structures

A. Does the **new or updated** plan describe vulnerability in terms of the types and numbers of existing buildings, infrastructure, and critical facilities located in the identified hazard areas?

B. Does the **new or updated** plan describe vulnerability in terms of the types and numbers of future buildings, infrastructure, and critical facilities located in the identified hazard areas?

§201.6(c)(2)(ii)(B) Assessing Vulnerability: Estimating Potential Losses

A. Does the **new or updated** plan estimate potential dollar losses to vulnerable structures?

B. Does the **new or updated** plan describe the methodology used to prepare the estimate?

MATRIX C: IDENTIFICATION AND ANALYSIS OF MITIGATION ACTIONS

This matrix can assist FEMA and the State in scoring each hazard. Local jurisdictions may find the matrix useful to ensure consideration of a range of actions for each hazard. **Completing the matrix is not required.**

Note: First, check which hazards are identified in requirement §201.6(c)(2)(i). Then, place a checkmark in either the N or S box for each ***applicable*** *hazard. An "N" for any identified hazard will result in a "Needs Improvement" score for this requirement. List the hazard and its related shortcoming in the comments section of the Plan Review Crosswalk.*

Hazard Type	Hazards Identified Per Requirement §201.6(c)(2)(i)	A. Comprehensive Range of Actions and Projects	
	Yes	N	S
Avalanche	☐	☐	☐
Coastal Erosion	☐	☐	☐
Coastal Storm	☐	☐	☐
Dam Failure	☐	☐	☐
Drought	☐	☐	☐
Earthquake	☐	☐	☐
Expansive Soils	☐	☐	☐
Levee Failure	☐	☐	☐
Flood	☐	☐	☐
Hailstorm	☐	☐	☐
Hurricane	☐	☐	☐
Land Subsidence	☐	☐	☐
Landslide	☐	☐	☐
Severe Winter Storm	☐	☐	☐
Tornado	☐	☐	☐
Tsunami	☐	☐	☐
Volcano	☐	☐	☐
Wildfire	☐	☐	☐
Windstorm	☐	☐	☐
Other _____	☐	☐	☐
Other _____	☐	☐	☐
Other _____	☐	☐	☐

To check boxes, double click on the box and change the default value to "checked."

Legend:
§201.6(c)(3)(ii) Identification and Analysis of Mitigation Actions
A. Does the **new or updated** plan identify and analyze a comprehensive range of specific mitigation actions and projects for each hazard?