

# **Bay County, Florida**

## **Local Mitigation Strategy Update, 2009/2010**

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### **Section 1. Executive Summary**

Bay County is threatened by a variety of natural hazards which endanger the health and safety of its citizens, jeopardize its economic vitality, and imperil the quality of its environment. Historical experience has demonstrated that the County and its municipalities can be affected by flooding, winds associated with tropical storms/hurricanes, tornados, and wildfires. Recognizing the potential impacts of these hazards, Bay County has updated the Local Mitigation Strategy (LMS) to guide its local governments in mitigating these impacts and in turn protecting the health and welfare of the County's communities.

Bay County's Local Mitigation Strategy identifies these natural hazards and assesses their potential impacts on each of Bay County's incorporated jurisdictions and unincorporated areas, focusing primarily on existing land uses and critical facilities. Based on these hazard identifications and risk assessments, the LMS proposes appropriate hazard mitigation projects to reduce damage or impairment to the homes, businesses, schools, and government offices.

Hazard mitigation is any sustained action taken to minimize long-term risk to people and property from natural hazards and their effects. This definition distinguishes actions that have a long-term impact from those that are more closely associated with immediate preparedness, response, and recovery activities. Hazard mitigation is the only phase of emergency management specifically intended to breaking the cycle of damage, reconstruction, and repeated damage. As such, the governments and communities of Bay County are encouraged to take advantage of funding made available by Hazard Mitigation Assistance (HMA) programs in both the pre- and post-disaster conditions.

As a multi-jurisdictional hazard mitigation study, the Bay County LMS has been completed through the coordinated cooperative effort of several local governmental entities including unincorporated Bay County and the municipalities of Callaway, Lynn Haven, Mexico Beach, Panama City, Panama City Beach, Parker, and Springfield. In 2004, a task force consisting of representatives from each of these entities conducted detailed studies to identify the hazards threatening the jurisdictions of Bay County and to estimate the relative risks posed to the community where those hazards may occur. In 2009 a new Local Mitigation Strategy Team has been formed to update the information gathered in this process and reassess the vulnerabilities of the facilities and communities of Bay County relative to the potential impacts of future disasters involving those hazards. Once the specific vulnerabilities and hazard areas were identified, the LMS Team worked to justify and prioritize particular projects, proposals, and programs that would address those vulnerabilities.

Chart 3 of this plan (Chart 3: Bay County Mitigation Initiative Prioritization List) provides the current list of all projects that have been identified as priorities in Bay County's efforts to mitigate the impacts of the hazards identified throughout the Local Mitigation Strategy.

For quick reference the current top 5 mitigation projects and funds needed are presented below:

**CHART 1**

<b>Ranking</b>	<b>Project Name</b>	<b>Sponsor</b>	<b>Required Funds</b>
1	Police Department Wind Retrofit	Panama City	\$40,000
2	PD Substation Wind Retrofit – MLK Rd	Panama City	\$15,000
3	Sheriff’s Office Wind Retrofit	Bay County	\$200,000
4	CR 2300 – Flood Retrofit	Bay County	\$500,000
5	Bear Creek Drainage Project	Bay County	\$375,000

The priority for funding is based first upon submission of a completed characterization form, and, where no form has been completed, the age of the facility with the higher priority given to the oldest facility. As the LMS process continues, necessary funds will be identified for the projects from within current budgets or will be sought from state and federal sources.

Through the efforts of the 2004 LMS Team and subsequent members, 58 mitigation projects were identified and over \$32 million in funding was awarded over the planning period between 2004 and 2009. During this next 5-year planning period, the 2010 LMS will guide a new set of mitigation projects to aid in further protecting the health, safety, and welfare of Bay County’s communities.

The development and update of the Bay County LMS was the result of effort and cooperation between the County, the seven municipalities, and local citizens. This collaboration could not have been accomplished without the support of the Bay County Board of County Commissioners and the City Councils/Commissions of Panama City Beach, Panama City, Springfield, Callaway, Parker, Lynn Haven, Mexico Beach, the Department of Emergency Management and the Northwest Florida Regional Planning Council.

## FEMA Plan / Approval and Crosswalk



U.S. Department of Homeland Security  
FEMA Region IV  
3003 Chamblee Tucker Road  
Atlanta, GA 30341

**FEMA**

February 10, 2011

Mr. Miles E. Anderson  
State Hazard Mitigation Officer  
Division of Emergency Management  
2555 Shumard Oak Boulevard  
Tallahassee, Florida 32399-2100

Reference: Bay County Local Hazard Mitigation Plan Update

Dear Mr. Anderson:

This is a follow-up to our previous correspondence of September 8, 2010, in which we approved the Bay County Local Hazard Mitigation Plan Update and all the participating communities that submitted their resolutions at the time of plan approval. We have recently received from your office the following resolution for inclusion within this plan and subsequently have approved the community under the approved Bay County Local Hazard Mitigation Plan Update.

- City of Springfield

The approved participating community is hereby an eligible applicant through the State for the following mitigation grant programs administered by the Federal Emergency Management Agency (FEMA):

- Hazard Mitigation Grant Program (HMGP)
- Pre-Disaster Mitigation (PDM)
- Severe Repetitive Loss (SRL)
- Flood Mitigation Assistance (FMA)

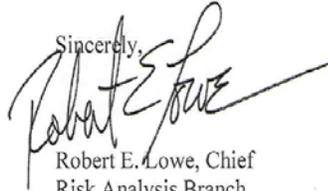
A fifth program, Repetitive Flood Claims (RFC), does not have a requirement for a local Hazard Mitigation Plan.

We commend Bay County for the development of a solid, workable plan that will guide hazard mitigation activities over the coming years. Please note that all requests for funding will be evaluated individually according to the specific eligibility and other requirements of the particular program under which the application is submitted. For example, a specific mitigation activity or project identified in the plan may not meet the eligibility requirements for FEMA funding, and even eligible mitigation activities are not automatically approved for FEMA funding under any of the aforementioned programs. In addition, please be aware that if any of the approved jurisdictions participating in this plan are placed on probation or are suspended from the National Flood Insurance Program, they may be ineligible for certain types of federal funding.

We strongly encourage each community to perform an annual review and assessment of the effectiveness of their hazard mitigation plan; however, a formal plan update is required at least every five (5) years. We also encourage each community to conduct a plan update process within one year of being included within a Presidential Disaster Declaration or of the adoption of major modifications to their local Comprehensive Land Use Plan or other plans that affect hazard mitigation or land use and development. When the Plan is amended or revised, it must be resubmitted through the State as a "plan update" and is subject to a formal review and approval process by our office. If the Plan is not updated prior to the required five (5) year update, please ensure that the Draft update is submitted at least six (6) months prior to expiration of this plan approval.

If you or Bay County have any further questions or need any additional information please do not hesitate to contact Gabriela Vigo, of the Hazard Mitigation Assistance Branch, at (229) 225-4546, or Linda L. Byers of my staff at (770) 220-5498.

Sincerely,

A handwritten signature in black ink, appearing to read "Robert E. Lowe", with a long horizontal flourish extending to the right.

Robert E. Lowe, Chief  
Risk Analysis Branch  
Mitigation Division

**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	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.		S
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. <b>Required Revisions:</b> • Include a description of the impact of floods and earthquakes on the assets. <b>Recommended Revisions:</b> This information can be presented in terms of dollar value or percentages of damage.	N	
<b>SUMMARY SCORE</b>			N	

**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
<b>1. Adoption by the Local Governing Body: §201.6(c)(5) OR</b>	N/A	N/A
<b>2. Multi-Jurisdictional Plan Adoption: §201.6(c)(5) AND</b>		X
<b>3. Multi-Jurisdictional Planning Participation: §201.6(a)(3)</b>		X

**Planning Process**

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

**Risk Assessment**

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

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

**Plan Maintenance Process**

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

**Additional State Requirements\***

	N	S
Insert State Requirement		
Insert State Requirement		
Insert State Requirement		

**LOCAL MITIGATION PLAN APPROVAL STATUS**

PLAN NOT APPROVED

See Reviewer's Comments

PLAN APPROVED

Local Mitigation Plan Review and Approval Status

<b>Jurisdiction:</b> Bay County (Unincorporated)	<b>Title of Plan:</b> Bay County Local Hazard Mitigation Strategy (LMS)	<b>Date of Plan:</b> 2010
<b>Local Point of Contact:</b> Sid Busick Tita Sokoloff	<b>Address:</b> 644 Mulberry Avenue Panama City, Florida 32401	<b>E-Mail:</b> <a href="mailto:sbusick@baycountyfl.gov">sbusick@baycountyfl.gov</a> Tita Sokoloff [ <a href="mailto:tsokoloff@baycountyfl.gov">tsokoloff@baycountyfl.gov</a> ]
<b>Title:</b> Planner - Emergency Services		
<b>Agency:</b> Emergency Management		
<b>Phone Number:</b> Sid Busick 850-784-6167 Tita Sokoloff 850- 248-8252		

<b>State Reviewer:</b> Bill McCusker	<b>Title:</b> Planner IV	<b>Date:</b> 06-25-2010
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<b>FEMA Reviewer:</b> Ed Hale Linda L. Byers (QC)	<b>Title:</b> Hazard Mitigation Community Planner Lead Planning Specialist	<b>Date:</b> May 19, 2010, July 14, 2010 (Revisions) May 28, 2010
<b>Date Received in FEMA Region 4</b>	April 16, 2010, July 2, 2010 (Revisions)	
<b>Plan Not Approved</b>	May 28, 2010	
<b>Plan Approved</b>		
<b>Date Approved</b>	September 8, 2010	

Jurisdiction:	DFIRM		NFIP Status*			CRS Class
	In Plan	Not In Plan	Y	N	N/A	
1. Bay County (Unincorporated)	X		Y			5
2. City of Lynn Haven		X	Y			8
3. City of Parker	X		Y			8
4. City of Panama City Beach		X	Y	N		10

5. City of Panama City	X		Y			7 8
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\* Notes: Y = Participating N = Not Participating N/A = Not Mapped

Jurisdiction:	DFIRM		NFIP Status*			CRS Class
	In Plan	Not In Plan	Y	N	N/A	
6. City of Springfield		X	Y	N		10
7. City of Callaway		X	Y			8
8. City of Mexico Beach		X	Y	N		10

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 #)	Reviewer's Comments	SCORE	
			NOT MET	MET
A. Has the local governing body adopted <b>new or updated</b> plan?	N/A	<a href="#">Adoptions will take place after receiving FEMA's APA approval.</a>  This is a multijurisdictional updated Plan.	N/A	N/A
B. Is supporting documentation, such as a resolution, included?	Yes. <b>A draft</b> copy of the Bay County Resolution is included as <b>Section 7A.5</b>  N/A	<a href="#">Adoptions will take place after receiving FEMA's APA approval.</a>  This is a multijurisdictional updated Plan.	N/A	N/A
<b>SUMMARY SCORE</b>			N/A	N/A

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	MET
A. Does the <b>new or updated</b> plan indicate the specific jurisdictions represented in the plan?	<b>Sect. 1, page 1 ¶ 4, and page 2 ¶ 5. Sect. 3, Chart 2, p.9</b>  Section 1, p. 1	<a href="#">The Plan identifies the following jurisdictions represented:</a> <ul style="list-style-type: none"> <li>- Bay County</li> <li>- Callaway</li> <li>- Lynn Haven</li> <li>- Mexico Beach</li> <li>- Panama City</li> <li>- Panama City Beach</li> <li>- Parker</li> <li>- Springfield</li> </ul> The updated Plan identifies the participating jurisdictions as: Bay County (unincorporated) City of Callaway City of Lynn Haven		



**LOCAL MITIGATION PLAN REVIEW CROSSWALK FINAL BAY CO. FL JUN 2010**

		<p><u>Revised:</u> A draft copy of the seven municipal Resolutions is included in Section 7(B-H).6 of each municipality.</p> <p><u>RECEIVED:</u> Panama City adoption resolution submitted 8/10. Bay Co., Callaway, Mexico Beach, Panama City Beach, Parker, and Lynn Haven resolutions submitted 9/16/10. Springfield submitted documentation.</p>		
<b>SUMMARY SCORE</b>				X

**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	MET
<p>A. Does the <b>new or updated</b> plan describe <b>how</b> each jurisdiction participated in the plan's development?</p>	<p>Yes. <b>Sect 3.4</b>, pp. 10-12</p> <p>Section 3, pp. 9-12, p. 16</p>	<p>An LMS team was formed drawing members from each of the participating jurisdictions. The LMS team agreed to streamline the old plan in this update. An intern was utilized to do most of the research supplied to the LMS team.</p> <p>The Bay County LMS Team was the planning team guided the LMS process. The LMS Team was responsible for the oversight and coordination of all actions and decisions affecting the LMS. Every participating jurisdiction had at least one designated representative on the LMS Team.</p>		X
<p>B. Does the updated plan identify all participating jurisdictions, including new, continuing, and the jurisdictions that no longer participate in the plan?</p>	<p>Yes. <b>Sect. 3.2</b> (p.9), <b>Sect. 3.3</b>, Chart 2, p.9</p>	<p>On page 1 of the Plan identifies the following jurisdictions as participating in the Plan:</p> <ul style="list-style-type: none"> <li>- Bay County</li> <li>- Callaway</li> <li>- Lynn Haven</li> <li>- Mexico Beach</li> <li>- Panama City</li> <li>- Panama City Beach</li> <li>- Parker</li> <li>- Springfield</li> </ul> <p>Since the 2004 update Cedar Grove has become unincorporated and is therefore not participating in the plan. There are no new members participating in the update.</p>		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.

			SCORE	
<p>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.?)</p>	<p>10 - 12.  <b>Sect. 3.9,</b>                      Chart 4  <b>Sect 6.3</b>  <b>Sect. 7F2 (c)</b></p> <p>Section 3, pp. 9-12</p>	<p>Emergency Services Department</p> <ul style="list-style-type: none"> <li>- Bay County Planning and Zoning Division</li> <li>- Bay County GIS</li> <li>- The Participating jurisdictions</li> <li>- Gulf Coast Community College</li> <li>- Peoples first Community Bank</li> </ul> <p>The Team members formed committees to address certain issues and the intern compiled the information given to him by the committees to produce the LMS</p> <p>The LMS Team guided and conducted the LMS process; the LMS Team was made up of representatives from each participating jurisdiction, as well as other interested parties. An intern provided by the Florida Department of Emergency Management did much of the data gathering and assembly for the updated Plan. A Team Assistant was assigned to the intern to aid with information gathering. The intern assembled a final draft and presented it to the LMS Team at their August 2009 meeting. Each jurisdictional representative was responsible for reviewing and providing additional information, as needed, for their own area.</p>		<p>X</p>

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- (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.

			SCORE
<p>C. Does the <b>new or updated</b> 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?)</p>	<p>Sect. 2.3 p.5 ¶ 3 Sect. 3.3 ¶ 1 p.9, Section 3.6 ¶ 2-4, p.14, Sect. 3.7D  Section 2, p. 5; Section 3, p. 14, p. 15  Section 8 Appendice 2</p>	<p>Public participation was encouraged through the advertising of all CRS team meetings, and will continue to be advertised. Through this advertising, members from the public are encouraged to participate in the planning process. Appendix 2 includes newspaper ads where all communities, public, etc. were invited to the planning process.</p> <p>The public was given the opportunity to be involved in the planning and drafting effort. LMS planning meetings were advertised in the local newspaper and solicited at Commission meetings and other county events. All meetings and actions of the LMS Team were documented and made available for public review and comment. However, the Plan does not document that the public has had an opportunity to comment on the Plan prior to approval.</p> <p><b>Required:</b> The updated Plan must indicate how the public was provided an opportunity to comment on 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.</p> <p>Revision: Agenda's, minutes and conference calls are all provided that reference public participation. The minutes for 3 August provide information about review of the LMS prior to state FDEM submission. According to county rules all meetings must be advertised publicly for a hearing with the county commissioners prior to final plan approval. The same occurs in regard to the jurisdictions within the county. Also See statement in section 3.5 subpar, 2 and Sec. 3.7 C. Public hearings.</p> <p><b>Recommended Revision:</b> In a future revision of the Plan, indicate how the Florida sunshine laws impact public involvement the Plan.</p> <p>Revision: The Florida sunshine law is now stated on the cover of the LMS for all to see.</p> <p><b>RECEIVED:</b> Documentation of opportunity to comment prior to final plan approval provided. Plan posted to county web site with directions on how to comment and notification of public meeting to adopt Plan.</p>	<p>X</p>
<p>D. Does the new or updated plan discuss the</p>	<p>Sect. 3.6 ¶ 2-4,</p>	<p>Newspaper advertisements invited organizations to attend</p>	<p>X</p>

**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.*

			SCORE	
opportunity for neighboring communities, agencies, businesses, academia, nonprofits, and other interested parties to be involved in the planning process?	p.14	meetings and participate in the plans development. Gulf Coast Community College and Peoples first Community Bank were involved as LMS team members.		
	Section 3, p. 14	FEMA concurs with the comments of the State reviewer.		
E. Does the planning process describe the review and incorporation, if appropriate, of existing plans, studies, reports, and technical information?	Sect. 2.4, p.7 ¶ 2. Sect 3.4, p.11 ¶ 2.	Geographic Information Systems (GIS) of Bay County hazard areas were utilized (data runs obtained from the Bay County Property Appraiser's Office). The most current land use planning, permitting, and property appraisal data available was incorporated into the GIS for analysis. Page 11 specifically states that the intern reviewed each participating jurisdictions Local Comprehensive Plans, Storm water Master Plans, Land and Development Regulations.		
	Section 3, p.11	Pages 23-33 cite several websites and throughout the LMS references to NOAA, NWS, MEMPHIS, NCDC and other sources are noted. The County and all municipalities' reference Comp Plans and/or Land Development Regulations & Storm water Studies in Section 7.  The updated Plan identifies existing plans, studies, and information that were reviewed for incorporation in the Plan. They include: <ul style="list-style-type: none"> <li>• NOAA</li> <li>• NCDC</li> <li>• NWS</li> <li>• Comprehensive Plans</li> <li>• Stormwater Master Plans</li> <li>• Land Development Regulations</li> <li>• Memphis</li> </ul>		X
F. Does the updated plan document how the planning team reviewed and analyzed each section of the plan	Sect 3.4, p. 11-12,	In the sections referenced details of the team's membership,		

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.

			SCORE	
			N	S
and whether each section was revised as part of the update process?	Sect. 3.7, Sect. 4.1, Sect. 4.2, Sect. 4.3, Sect. 4.4 and Chart 7 p.23  Section 3, pp. 10-12; Section 4, p. 19	organization, duties, responsibilities and participation in the planning process are provided. In section 3.4 it states that each section was reviewed and substantially revised.  The updated Plan states that the LMS Team unanimously agreed that the original plan was difficult to read and not user friendly, and the Team would need to format an entirely new Plan. The original plan was referenced, but was enhanced with more pertinent information, including maps, charts, and graphs. During LMS Team meetings, each section of the original plan was reviewed. Changes were reviewed at the august public meeting. Each section of the original LMS was substantially modified. Section 4 identifies changes made in hazard risk assessment.		X
<b>SUMMARY SCORE</b>				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	S
A. Does the <b>new or updated</b> plan include a description of the types of <b>all natural hazards</b> that affect the jurisdiction?	Reference Table of Contents Section 4.9	Section 4.9 of the Plan identifies and describes the following natural hazards that affect the jurisdictions: - Flooding		

	Section 4, pp. 17-53	<ul style="list-style-type: none"> <li>- Projected High Winds</li> <li>- Tornado</li> <li>- Tsunami</li> <li>- Wildfire</li> <li>- Sinkhole</li> </ul> <p>Hazards such as Infestation, disease, volcanic activity and earthquake were identified as being "low risk" and subsequently not to be incorporated into this document.</p> <p>Hail, lightning, dam failure, thunderstorms, wind storms, drought and heat waves are referenced as a part of other hazards</p> <p>The updated Plan identifies the following hazards to be addressed in the Plan through analysis and mitigation:</p> <ul style="list-style-type: none"> <li>• Flooding including storm surge and rain events)</li> <li>• High Winds (Hurricane/Tropical Storm and Tornado events)</li> <li>• Wildfire</li> </ul> <p>The Plan includes a brief analysis of Tsunami and Sinkholes, but the Plan clearly states they are included only due to some questions from the public and neither will be mitigated. Further, the Plan identifies hazards included in the original plan that are not included in the update because of their lack of occurrences and low probability.</p>		X
<b>SUMMARY SCORE</b>				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	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?	Section 4.9, 7 A-H	Section 4.9 of the Plan provides locations for each natural hazard addressed: <ol style="list-style-type: none"> <li>1. Flooding Section 4.9A.3 Map A and B "Bay County Flood Zones" and "Bay county Surge zones".</li> <li>2. Projected High Winds-Section 4.9.B.3, Maps C-G, "Peak wind expectancy Category 1 storm" thru Category 5 storm" Also see Map H.</li> <li>3. Tornado – Section 4.9.C and Chart 8 Fujita Scale, Chart 9 and Map I.</li> </ol>		

	<p>Section 4, pp. 23-48; Section 7.</p>	<p>4. Tsunami – Section 4.9.D, Map J. 5. Wildfire- Section 4.9.E and Chart 10, 11 and Map K. 6. Sinkhole- Section 4.9.F.2 with map</p> <p>Specific, jurisdictional maps for all <u>flood hazards</u> are located in Section 7 A-H for each municipality and fire district. These maps indicate geographic locations threatened by the event.</p> <p>The discussion of each natural hazard addressed in the updated Plan contains information as to the location affected. Both text and maps in both sections identify geographic areas affected by the natural hazards.</p>		<p>X</p>
<p>B. Does the risk assessment identify the <b>extent</b> (i.e., magnitude or severity) of each hazard addressed in the <b>new or updated</b> plan?</p>	<p>Section 4.9, Section 7A thru 7H.</p> <p>Section 4, pp. 23-50</p>	<p>Section 4.9 of the Plan provides a measure of the magnitude or severity for each natural hazard addressed:</p> <ol style="list-style-type: none"> <li>1. Flooding Section 4.9A.3 Map A and B "Bay County Flood Zones" and "Bay county Surge zones".</li> <li>2. Projected High Winds-Section 4.9.B.3, Maps C-G, "Peak wind expectancy Category 1 storm" thru Category 5 storm" Also see Map H.</li> <li>3. Tornado – Section 4.9.C and Chart 8 <u>Fujita Scale</u>, Chart 9 and Map I.</li> <li>4. Tsunami – Section 4.9.D, Map J.</li> <li>5. Wildfire- Section 4.9.E and Chart 10, 11 and Map K.</li> <li>6. Sinkhole- Section 4.9.F.2 with map</li> </ol> <p>Section 7 Additional Data &amp; Analysis provides information with detailed maps sorted by Jurisdictions for : Unincorporated County Section 7A, Callaway Sec 7B, Lynn Haven 7C, Mexico Beach 7D, Panama City sec. 7E, Panama City Beach sec. 7F, Parker sec 7G and Springfield sec. 7H.</p> <p>Chart 7 provides a column "Potential cost of Hazard event" (which identifies the magnitude or severity) of Flood, Wind, Wildfire, Sinkhole and Tsunami Hazards.</p> <p>The potential cost for Flood and Wind (Tornado) are considered High or over one million dollars whereas the cost of a Tsunami or sinkhole is considered low or under \$500,000. The potential cost for a wildfire is considered medium in the county and high in the urban areas.</p> <p>"Extent" is answering the question, "How bad can it be?" This can be done using scientific scales or quantitative</p>		

	<p>Section 4, p. 35</p>	<p>measurements. For the High Winds hazard, extent has been identified for both the Hurricane component (Category 3) and Tornado component (F2). For the Wildfire hazard, a maximum of 100 structures is stated. For Flooding, the Storm Surge component extent is identified as 25 feet high. However, no extent is provided for the localized event component.</p> <p><b>Required Revision:</b> Provide <b>Extent</b> for the Flooding hazard, for example, indicate the flood depth in feet.</p> <p>Refer to Local Multi-hazard Mitigation Planning Guidance, July 2008, Requirement 201.6(c)(2)(i), page 32-35.</p> <p>Revised: Section 4.9.A.2(b) has been revised (see below) Also see new information and CD with February 2008 flood event which had 8- 11 inches of rain in the county.</p> <p>The last sentence from 4.9.A.2(b) reads "As evidenced by the flood event occurring on February 22, 2008, or a similar event 11 inches of rain could cause a flash flood of over a depth 24" +/-, depending upon time, site percolation capability, water table, elevation, drainage away from the site, cessation of continued rainfall."</p> <p><b>Revision Received:</b> The updated Plan now includes information as to the extent of the localized flooding hazard. See Section 4.9.A.2(B).</p>		<p>X</p>
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<p>C. Does the plan provide information on <b>previous occurrences</b> of each hazard addressed in the <b>new or updated</b> plan?</p>	<p>Section 4.9, chart 7, 10, 11 section 7A.2(e)2.</p> <p>Section 4; Section 7; Appendix 5</p>	<p>Section 4.9 of the Plan provides previous occurrences for each natural hazard addressed:</p> <ol style="list-style-type: none"> <li>1. Flooding Section 4.9A.3 Map A and B "Bay County Flood Zones" and "Bay county Surge zones".</li> <li>2. Tropical Storm, Hurricane, High Winds-see section 7A.2(e)2.</li> <li>3. Tornado – Chart 9</li> <li>4. Tsunami – Sec. 4.9.D.2, Chart 7 note in Probability column, Map J.</li> <li>5. Wildfire- Section 4.9.E and Chart 10, 11 and Map K.</li> <li>6. Sinkhole- see chart 7, note in Probability column.</li> </ol> <p>The updated Plan provides information about previous occurrences for each of the natural hazards addressed. For the High Winds hazard, historical information for both the hurricane and tornado components is provided. For Wildfire, a table of previous events is included. For Flooding, the flooding event of February 2008 is described in great detail. It is, however, the only historical flooding event included in the Plan.</p> <p><b>Recommended Revision:</b> In a future update of the Plan, include additional previous occurrences of flooding, including the Storm Surge/Coastal component, as well as localized (flash) floods.</p>		<p>X</p>
<p>D. Does the plan include the <b>probability of future events</b> (i.e., chance of occurrence) for each hazard addressed in the <b>new or updated</b> plan?</p>	<p>Section 4.9 Chart 7 Sect. 4.9.A.3 - Flood Damage Sect. 4.9.C. 5 - Wind damage from hurricane winds &amp; tropical storm winds. Sect. 4.9.D.3 - tsunami inundation. Sect. 4.9.E.5 - wildfire damage Sect. 4.9.F.2 - sinkhole damage</p> <p>Section 4, p. 18, pp. 22-48</p>	<p>The probability of future events for the identified hazards are described in chart 7 on page 22. Each hazard is listed as either low, medium or high. Low means that a hazard event will occur once every 100 to 500 years, for medium once every 1-3 years and for high 1 or more occurrences a year. Other references were found in the following sections:</p> <p>The updated Plan defines probability of occurrence in terms of High/Medium/Low on page 18. Each natural hazard addressed in the Plan includes a probability using the defined scale.</p>		<p>X</p>



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	Section 4; Section 7	<p>Tsunami impacts would follow the wave heights from the Surge Zones - see storm surge maps in Sect. A-H for each fire district &amp; Municipality)</p> <ul style="list-style-type: none"> <li>Wildfire impact: Sect. 4.9.E.3 Chart 11</li> <li>Sinkhole impact: Sect. 4.9.F.1</li> </ul> <p>The updated plan discusses the impact of each natural hazard on the jurisdictions. For the Flooding hazard, maps, charts, and text describe the impact, including types and numbers of structures impacted by various levels of Storm Surge. Older structures of any type and mobile homes are most impacted by High winds. Chart 11 identifies types and numbers of structures affected by Wildfire.</p>		X
<b>SUMMARY SCORE</b>				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	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?	Sect. 5.1, chart 12, Section 7 Maps per jurisdiction  Section 5, p. 54; Section 7	<p>The new or updated plan describes vulnerability in terms of the types and numbers of repetitive loss properties located in the identified hazard areas in Chart 12 and section 5.1. There are also repetitive loss maps for each jurisdiction in section 7 such as 7B3 for Callaway.</p> <p>The updated Plan identifies the types and numbers of repetitive loss properties in each of the participating jurisdictions. Jurisdiction maps mark locations of such properties. The majority of the properties are residential.</p>		X
<b>SUMMARY SCORE</b>				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	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	Sections 7A-7H.	Maps on pages 25-26 locate buildings that are at risk to Flooding and Coastal Storm events. The numbers and types of structures that are vulnerable to wildfires		

		Guidance, July 2008, Requirement 201.6(c)(2)(ii)(A), page 42-44.		
<b>SUMMARY SCORE</b>			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	S
A. Does the <b>new or updated</b> plan estimate <b>potential dollar losses</b> to vulnerable structures?	Sections 7A-7H  Section 4; Section 7	The Land Use/Value tables provided for each participating jurisdiction in Sections 7A-7H provide the value of the parcels at risk to flooding in Bay County  <u>Recommended Revision:</u> The plan should provide estimated dollar losses to vulnerable structures for all hazards.  The updated Plan provides estimated potential dollar losses to vulnerable existing structures only for the Flooding hazard. No dollar loss estimates for existing structures are provided for the High Winds or Wildfire hazards. The Plan includes no estimate of potential dollar losses for future structures for any natural hazard addressed in the Plan.  <u>Recommended Revision:</u> In a future update of the Plan, include information about estimated potential dollar losses for both existing and future structures vulnerable to all natural hazards addressed in the Plan.  Refer to Local Multi-hazard Mitigation Planning Guidance, July 2008, Requirement 201.6(c)(2)(ii)(B), page 45-46.	X	
B. Does the <b>new or updated</b> plan describe the <b>methodology</b> used to prepare the estimate?	<b>Sect. 2.4</b>  Section 2, p. 7; Section 4; Section 7	The updated Plan uses Geographic Information systems and data from the Property Appraiser's Office in order to prepare the estimates.  The updated Plan states that information from the Bay County property Appraiser's Office was used to value economic assets. However, only existing structures vulnerable to Flooding offered loss estimates, and no	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	S
A. Does the <b>new or updated</b> plan include a risk assessment for each participating jurisdiction as needed to reflect unique or varied risks?	Chart 7 sections 7A-7H	Chart 7 describes the vulnerability to and the frequency of occurrence of Hazards for the entire county and also the individual participating jurisdictions. Sections 7A-7H include individual Maps and descriptions reflecting the differences in risk to Flooding, and Wildfire Hazards along with display Coastal high hazard zones which describe varied risk to Projected High Winds from Coastal Storms.		
	Section 4; Section 7	Section 4 identifies varying risk when discussing each natural hazard. Section 7 of the updated Plan contains data and information specific to each jurisdiction participating in the Plan. Both section use text and maps to reflect risk.		X
<b>SUMMARY SCORE</b>				X

**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	S
A. Does the new or <b>updated</b> plan include a description of mitigation <b>goals</b> to reduce or avoid long-term vulnerabilities to the identified hazards?	Sect. 2.2 Sect. 7A2(e)  Section 2, pp. 4-8	Section 2 of the updated Plan provides a list of mitigation goals to reduce long term vulnerabilities to identified hazards.  The updated Plan includes 8 broad scope goals and 5 specific goals for the local mitigation planning process. Each of the specific goals has objectives in support of the goal.		X

SUMMARY SCORE

	X
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**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	S
<p>A. Does the <b>new or updated</b> plan identify and analyze a <b>comprehensive range</b> of specific mitigation actions and projects for each hazard?</p>	<p>Sect. 2.4 Sect. 3.5 Sect. 7A2(e) 5</p> <p>Section 3, p. 13</p>	<p>Chart 3 does provide a prioritized list of mitigation projects which address Flooding, Projected High Winds, Tornadoes, and Wildfire hazards in the Plan. There are no mitigation projects for Tsunamis or Sinkholes due to the low risk of occurrence.</p> <p>A <b>comprehensive range</b> of specific mitigation actions consists of multiple mitigation actions for each natural hazard addressed in the Plan. Hazard mitigation is defined as sustained action taken to reduce or eliminate long-term risk from hazards.</p> <p>Chart 3 has a column labeled Project Name. While the entries in this column identify several projects as addressing either the High Winds hazard or the Flooding hazard, not all projects clearly identify the hazard(s) addressed. Four projects at the bottom of the list are not ranked and 2 are labeled as "pending", making it unclear if these projects are actually mitigation actions included in the Plan. No project clearly states it addresses the Wildfire hazard. The Plan does clearly state that Tsunami and Sinkhole hazards will not be addressed fully in the Plan and no mitigation actions identified for either one.</p> <p><b>Required Revision:</b> Clearly identify a comprehensive range of specific mitigation actions for each natural hazard addressed in the Plan. A single mitigation action can address multiple hazards, but the hazards addressed must be clearly identified.</p> <p>Refer to Local Multi-hazard Mitigation Planning Guidance, July 2008, Requirement 201.6(c)(3)(ii), page</p>		

	Section 3, Chart 3	<p>56-60.</p> <p><b>Revised: A new project chart was prepared which includes a requirements as above.</b></p> <p><b>Revision Received:</b> The updated Plan includes mitigation actions for each of the natural hazards addressed in the Plan. Some actions address multiple hazards.</p>		X
<p>B Do the identified actions and projects address reducing the effects of hazards on <b>new</b> buildings and infrastructure?</p>	<p><b>Sec. 3.5 and 7</b></p> <p>Section 3, pp. 13-14</p>	<p>According the last paragraph of section 3.5 "methodology for determining project ranking" the drainage related mitigation projects and the wildfire mitigation projects on the mitigation projects list protect both current and future buildings. So therefore there are projects that address reducing the effects of hazards on future buildings and infrastructure.</p> <p>1) Comprehensive Plan and Land Development Regulations that support mitigation objectives are included in</p> <ul style="list-style-type: none"> <li>a. Sect. 7A 2(a), Bay County</li> <li>b. Sect. 7B 2(a)(b), Callaway</li> <li>c. Sect. 7C2(a), Lynn Haven</li> <li>d. Sect. 7D2(a), Mexico Bch</li> <li>e. Sect. 7E2(a)(b), Panama C.</li> <li>f. Sect. 7F2(a), PCB</li> <li>g. Sect. 7G2(a), Parker</li> <li>h. Sect. 7H2(a), Springfield</li> </ul> <p>2) Floodplain Management Ordinance requirements that mitigate potential damage in the floodplain .</p> <ul style="list-style-type: none"> <li>a. Sect. 7A2(f) Bay County</li> <li>b. Sect. 7B2(d) Callaway</li> <li>c. Sect. 7C2(c) Lynn Haven</li> <li>d. Sect. 7D2(c) Mexico Bch</li> <li>e. Sect. 7E2(d) Panama City</li> <li>f. Sect. 7F2(d) PCB</li> <li>g. Sect. 7G2(b) Parker</li> <li>h. Sect. 7H2(C) Springfield</li> </ul> <p>Identified actions address educing the impact of hazards on future structures. The Plan states that all drainage projects are designed to protect new homes and</p>		X



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<b>B. Does the mitigation strategy identify, analyze and prioritize actions related to continued compliance with the NFIP?</b>	Section 5.1	the CRS. Section 5.1 identifies, analyzes and prioritizes mitigation actions related to continued compliance with NFIP.		
	Section 5, pp. 56-57	The updated Plan contains prioritized actions for continued compliance with the NFIP. CRS jurisdictions will seek to improve the CRS rating.		X
<b>SUMMARY SCORE</b>				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	S
A. Does the <b>updated</b> mitigation strategy include how the actions are <b>prioritized</b> ? (For example, is there a discussion of the process and criteria used?)	Section 3.5, pp 12-14.  Section 3, pp. 12-13	The <b>updated</b> mitigation strategy includes details about how the actions were and are <b>prioritized</b> .  Projects are submitted to the LMS Team Chair by the jurisdictions. The submitter provided substantiated reasons for their project rankings. The LMS Team as a whole reviewed each proposal for its relevance to the LMS goals. The LMS Team then voted and projects were ranked based on that vote. Priority for funding is based on submission of a form, and lacking a form, the age of the facility - older getting higher priority. A BCA will be run at the time are available.  <b>Recommended Revision:</b> Include a copy of the form used for project proposals and/or the characterization form in the next update of the Plan.  Revised: See appendix 4 which provides the information recommended.		X
B. Does the <b>updated</b> 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 3.5, p. 13, Chart 3  Section 3, p. 13	The plan addresses how actions will be implemented and Chart 3 shows the timeframe, anticipated funding source, and cost of each project.  The updated Plan lists 26 projects in Chart 3. Chart 3		

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	Section 6, pp. 57-59	The overall responsibility for coordinating the monitoring of the Plan falls to the LMS Team vice-chair. Bay county and LMS jurisdiction staff provide technical, clerical and support activities for monitoring. The Plan includes criteria used for monitoring the Plan.		
B. Does the <b>updated</b> plan describe the method and schedule for <b>evaluating</b> the plan, including how, when and by whom (i.e. the responsible department)?	Sections 6.1, 6.2, 6.3  Section 6, pp. 57-59	The plan states that the overall responsibility for coordinating the monitoring, evaluation and updates falls to the Vice-Chair. Evaluation and monitoring meetings are held at least annually, and advertised for public participation. The plan continues by stating that the criteria used to evaluate and monitor the plan will include, but is not limited to: 1. Assess major changes within the County and how they may affect the mission of the LMS plan and the projects pending on the prioritization list. 2. Review any changes that may have been made to other planning mechanisms (i.e., the Comprehensive Plan), and determine if corresponding changes are needed to the LMS plan. 3. Discuss any recent disaster events and how they may change the mitigation efforts undertaken by the county and municipal jurisdictions. A meeting is to be scheduled at the end of each hurricane season and after each major storm event.  FEMA concurs with the state reviewer comments.		X
C. Does the <b>updated</b> plan describe the method and schedule for <b>updating</b> the plan within the five-year cycle?	Section 6.1  Section 6, pp. 57-59	The plan states that the update process for the 2015 plan will begin in January, 2014, and will be widely advertised to engage public participation and support.  The Plan will be updated annually, with overall responsibility falling to LMS Tam Vice-chair. Mitigation initiatives are to be updated annually. Meetings to be scheduled following hurricane season and after each major storm when damage occurred. The 5-year update process is to begin in January 2014 for the 2015 update.		X
<b>SUMMARY SCORE</b>				X

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	Section 7	<p>Sect. 7B2(c) p. 190 Callaway                  Sect. 7C2(b) p. 230 Lynn Haven                  Sect. 7D2(b) p. 258 Mexico Bch                  Sect. 7E2(c) p. 297 Panama City                  Sect. 7F2(c) p. 338 PCB                  Sect. 7H2(b)p. 424 Springfield  <b>Comprehensive Plan and / or Land Development Regulations</b> that support mitigation objectives are included in:                  Sect. 7A 2(a), pp. 86 - 90 Bay County                  Sect. 7B 2(a)(b), pp. 185-190 Callaway                  Sect. 7C2(a), pp. 223-229 Lynn Haven                  Sect. 7D2(a), pp. 256-258 Mexico Bch                  Sect. 7E2(a)(b), pp. 284-297 Panama C.                  Sect. 7F2(a), pp. 331-337 PCB                  Sect. 7G2(a), pp.</p> <p>FEMA concurs with the comments of the State reviewer.</p>		X
<b>SUMMARY SCORE</b>				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	S
A. Does the <b>new or updated</b> plan explain how <b>continued public participation</b> will be obtained? (For example, will there be public notices, an on-going mitigation plan committee, or annual review meetings with stakeholders?)	Sec 2.3 b  Section 3, p. 5; Section 6, p.57	Appendix B provides evidence of how participation was solicited in past while section 2.3 b discussed efforts to provide continued public participation.  All meetings of the LMS Team will be advertised in the local newspaper. The public is also invited to participate as volunteers in various outreach projects, coordinated through the CRS program. Annual review and update meetings will be advertised for public participation. The public will be invited to participate in the 5-year update effort.		X

SUMMARY SCORE

	X
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STATE OF FLORIDA  
**DIVISION OF EMERGENCY MANAGEMENT**

CHARLIE CRIST  
Governor

DAVID HALSTEAD  
Director

September 15, 2010

Mr. Mark Bowen – EM Director  
Bay County Local Mitigation Strategy Coordinator  
644 Mulberry Avenue  
Panama City, Florida 32401

Dear Mr. Bowen:

Congratulations! The enclosed letter constitutes the Federal Emergency Management Agency's (FEMA) formal approval of the Bay County Local Mitigation Strategy Plan (LMS) for the City of Panama City. The plan has been approved for a period of five years and will expire again on September 8, 2015.

The mitigation planning unit would like to thank you for all of your hard work. It has been a pleasure working with you and we look forward to serving you in the future.

If you have any questions regarding this matter, please contact Bill McCusker 850-487-3211 or Laura Herbert at 850-922-5580.

Respectfully,

A handwritten signature in blue ink, appearing to read "ME Anderson", with a long horizontal flourish extending to the right.

Miles E. Anderson  
Bureau Chief, Mitigation  
State Hazard Mitigation Officer

MEA/wjm

Enclosed: FEMA letter of notification dated September 8, 2010

U.S. Department of Homeland Security  
FEMA Region IV  
3003 Chamblee Tucker Road  
Atlanta, GA 30341



**FEMA**

September 8, 2010

Mr. David Halstead, Director  
Division of Emergency Management  
2555 Shumard Oak Boulevard  
Tallahassee, Florida 32399-2100

Attention: Mr. Miles Anderson

Reference: Bay County Multi-jurisdictional Local Mitigation Strategy

Dear Mr. Halstead:

We are pleased to inform you that the Bay County Multi-jurisdictional Local Mitigation Strategy is in compliance with the federal hazard mitigation planning standards resulting from the Disaster Mitigation Act of 2000, as contained in 44 CFR 201.6. The plan is approved for a period of five (5) years, to September 8, 2015.

This plan approval extends to the following participating jurisdiction that provided a copy of their resolution adopting the plan:

- City of Panama City

The approved participating jurisdiction is hereby an eligible applicant through the State for the following mitigation grant programs administered by the Federal Emergency Management Agency (FEMA):

- Hazard Mitigation Grant Program (HMGP)
- Pre-Disaster Mitigation (PDM)
- Severe Repetitive Loss (SRL)
- Flood Mitigation Assistance (FMA)

We commend the participants in the Bay County plan for the development of a solid, workable plan that will guide hazard mitigation activities over the coming years. Please note that all requests for funding will be evaluated individually according to the specific eligibility and other requirements of the particular program under which the application is submitted.

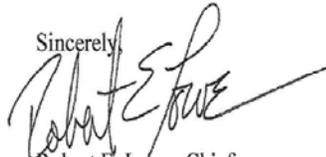
For example, a specific mitigation activity or project identified in the plan may not meet the eligibility requirements for FEMA funding, and even eligible mitigation activities are not automatically approved for FEMA funding under any of the aforementioned programs. In addition, please be aware that if any of the approved jurisdictions participating in this plan are placed on probation or are suspended from the National Flood Insurance Program, they may be ineligible for certain types of federal funding.

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We strongly encourage each Community to perform an annual review and assessment of the effectiveness of their hazard mitigation plan; however, a formal plan update is required at least every five (5) years. We also encourage each Community to conduct a plan update process within one (1) year of being included within a Presidential Disaster Declaration or of the adoption of major modifications to their local Comprehensive Land Use Plan or other plans that affect hazard mitigation or land use and development. When the plan is amended or revised, it must be resubmitted through the State as a "plan update" and is subject to a formal review and approval process by our office. If the plan is not updated prior to the required five (5) year update, please ensure that the draft update is submitted at least six (6) months prior to expiration of this plan.

The State and the participants in the Bay County plan should be commended for their close coordination and communications with our office in the review and subsequent approval of the plan. If you or Bay County have any questions or need any additional information please do not hesitate to contact Gabriela Vigo, of the Hazard Mitigation Assistance Branch, at (229) 225-4546, or Linda L. Byers of my staff at (770)-220-5498.

Sincerely,

A handwritten signature in black ink, appearing to read "Robert E. Lowe", with a long horizontal flourish extending to the right.

Robert E. Lowe, Chief  
Risk Analysis Branch  
Mitigation Division



STATE OF FLORIDA  
**DIVISION OF EMERGENCY MANAGEMENT**

CHARLIE CRIST  
Governor

DAVID HALSTEAD  
Director

July 21, 2010

Mr. Mark Bowen  
Bay County Local Mitigation Strategy Working Group Chair  
644 Mulberry Avenue  
Panama City, Florida 32401

Dear Mr. Bowen:

Congratulations! The enclosed letter constitutes the Federal Emergency Management Agency's (FEMA) "approval pending adoption" of the Bay County Local Mitigation Strategy Plan. As indicated in the letter from FEMA, the plan is in compliance with the Federal hazard mitigation planning standards resulting from the Disaster Mitigation Act of 2000, as contained in 44 CFR 201.6. A second letter giving formal approval of the plan will be issued as soon as FEMA receives proof of adoption by at least one participating jurisdiction. The plan would then be approved for a period of five years.

The mitigation planning unit would like to thank you for all of your hard work in accomplishing such a feat. Together we can make Florida a safer place to live for all.

If you have any questions regarding this matter, please contact Bill McCusker via email at [William.McCusker@em.myflorida.com](mailto:William.McCusker@em.myflorida.com) or 850-487-3211.

Respectfully,

A handwritten signature in blue ink, appearing to read "Miles E. Anderson".

Miles E. Anderson  
Bureau Chief, Mitigation  
State Hazard Mitigation Officer

MEA/wjm

Enclosed: FEMA letter of notification dated July 15, 2010

U.S. Department of Homeland Security  
FEMA Region IV  
3003 Chamblee Tucker Road  
Atlanta, GA 30341



**FEMA**

July 15, 2010

Mr. David Halstead, Director  
Division of Emergency Management  
2555 Shumard Oak Boulevard  
Tallahassee, Florida 32399-2100

JUL 19 2010

Attention: Mr. Miles Anderson

Reference: Bay County Local Hazard Mitigation Plan Update

Dear Mr. Halstead:

This is to confirm that we have completed a Federal/State review of the Bay County Hazard Mitigation Plan Update for compliance with the federal hazard mitigation planning standards contained in 44 CFR 201/6(b)-(d). Based on our review and comments, Bay County developed and submitted all the necessary revisions. Our staff has reviewed and approved these revisions. We have determined that the Bay County Hazard Mitigation Plan is compliant with federal standards, subject to formal community adoption.

In order for our office to issue formal approval of the plan, Bay County must submit adoption documentation and document that the final public meeting occurred. Upon submittal of these items to our office, we will issue formal approval of the Bay County Hazard Mitigation Plan.

If you have any questions or need any further information, please do not hesitate to contact Gabriela Vigo, of the Hazard Mitigation Assistance (HMA) Branch at (229) 225-4546 or Linda L. Byers, Planning Lead Specialist, at (770) 220-5498.

Sincerely,

A handwritten signature in black ink, appearing to read "Robert E. Lowe", with a long horizontal line extending to the right.

Robert E. Lowe, Chief  
Risk Analysis Branch  
Mitigation Division



U.S. Department of Homeland Security  
FEMA Region IV  
3003 Chamblee Tucker Road  
Atlanta, GA 30341

**FEMA**

June 1, 2010

Mr. David Halstead, Director  
Florida Division of Emergency Management  
2555 Shumard Oak Boulevard  
Tallahassee, Florida 32399-2100

Attention: Mr. Miles Anderson

Reference: Review of Bay County, FL Multi-jurisdictional Hazard Mitigation Plan Update

Dear Mr. Halstead:

This is to confirm that FEMA has completed a review of the Bay County Multi-jurisdictional Hazard Mitigation Plan Update for compliance with the Federal hazard mitigation planning standards as contained in 44 CFR 201.6(d)(3). The mitigation planning regulation effective October 1, 2008 states the following:

*"A local jurisdiction must review and revise its plan to reflect changes in development, progress in local mitigation efforts, and changes in priorities, and resubmit it for approval within five (5) years in order to continue to be eligible for mitigation project grant funding"* for the following FEMA programs.

- Hazard Mitigation Grant Program (HMGP)
- Pre-Disaster Mitigation (PDM)
- Severe Repetitive Loss (SRL)
- Flood Mitigation Assistance (FMA)

The *Local Multi-Hazard Mitigation Planning Guidance* (July 1, 2008) describes elements of the five-year plan updates as required in the regulations. The Local Mitigation Plan Review Crosswalk also reflects both new and updated plan submittals. The mitigation planning regulations require that local jurisdictions submit mitigation plans to the State Hazard Mitigation Officer (SHMO) for initial review and coordination, with the State then forwarding the plans to FEMA for formal review and approval. A plan update is NOT an annex to the previously approved plan; it stands on its own as a complete and current plan

To reduce paper volume, a Crosswalk review was provided to your staff via email on June 1, 2010. In order for the plan to be brought into compliance with the Federal Standards, Bay County must address the deficiencies as indicated within the review. As a reminder, when the plan is resubmitted, the transmittal letter should indicate what corrections were made and identify where these corrections are located in the plan document.

If you or Bay County staff have any questions or need any additional information please do not hesitate to contact Gabriela Vigo of the Hazard Mitigation Assistance Branch at (229) 225-4546, or Linda L. Byers, of my staff, at (770) 220-5498.

Sincerely,

A handwritten signature in black ink, appearing to read "Robert E. Lowe", with a long horizontal flourish extending to the right.

Robert E. Lowe, Chief  
Risk Analysis Branch  
Mitigation Division

**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.:**

<b>Assessing Vulnerability: Overview</b>				
<i>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.</i>				
Element	Location in the Plan (section or annex and page #)	Reviewer’s Comments	SCORE	
			N	S
A. Does the <b>new or updated</b> plan include an <b>overall summary</b> description of the jurisdiction’s <b>vulnerability</b> 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.		<input type="checkbox"/>
B. Does the <b>new or updated</b> plan address the <b>impact</b> 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. <b>Required Revisions:</b> • Include a description of the impact of floods and earthquakes on the assets. <b>Recommended Revisions:</b> This information can be presented in terms of dollar value or percentages of damage.	<input type="checkbox"/>	
<b>SUMMARY SCORE</b>			<input type="checkbox"/>	

**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
<b>1. Adoption by the Local Governing Body: §201.6(c)(5) OR</b>	N/A	N/A
<b>2. Multi-Jurisdictional Plan Adoption: §201.6(c)(5) AND</b>	X	
<b>3. Multi-Jurisdictional Planning Participation: §201.6(a)(3)</b>		X
<b>Planning Process</b>	N	S
<b>4. Documentation of the Planning Process: §201.6(b) and §201.6(c)(1)</b>	X	
<b>Risk Assessment</b>	N	S
<b>5. Identifying Hazards: §201.6(c)(2)(i)</b>		X
<b>6. Profiling Hazards: §201.6(c)(2)(i)</b>	X	
<b>7. Assessing Vulnerability: Overview: §201.6(c)(2)(ii)</b>		X
<b>8. Assessing Vulnerability: Addressing Repetitive Loss Properties. §201.6(c)(2)(ii)</b>		X
<b>9. Assessing Vulnerability: Identifying Structures, Infrastructure, and Critical Facilities: §201.6(c)(2)(ii)(B)</b>	X	
<b>10. Assessing Vulnerability: Estimating Potential Losses: §201.6(c)(2)(ii)(B)</b>	X	
<b>11. Assessing Vulnerability: Analyzing Development Trends: §201.6(c)(2)(ii)(C)</b>	X	
<b>12. Multi-Jurisdictional Risk Assessment: §201.6(c)(2)(iii)</b>		X

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

**Plan Maintenance Process**

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

**Additional State Requirements\***

	N	S
Insert State Requirement		
Insert State Requirement		
Insert State Requirement		

**LOCAL MITIGATION PLAN APPROVAL STATUS**

PLAN NOT APPROVED

See Reviewer's Comments

PLAN APPROVED

**Local Mitigation Plan Review and Approval Status**

<b>Jurisdiction:</b> Bay County (Unincorporated)	<b>Title of Plan:</b> Bay County Local Hazard Mitigation Strategy (LMS)	<b>Date of Plan:</b> 2010
<b>Local Point of Contact:</b> Sid Busick or Tita Sokoloff	<b>Address:</b> 644 Mulberry Avenue Panama City, Florida 32401	
<b>Title:</b> Planner - Emergency Services		
<b>Agency:</b> Emergency Management		
<b>Phone Number:</b> 850-784-6167	<b>E-Mail:</b> sbusick@baycountyfl.gov	

<b>State Reviewer:</b> Bill McCusker	<b>Title:</b> Planner IV	<b>Date:</b> 03-10-2010
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<b>FEMA Reviewer:</b> Ed Hale Linda L. Byers (QC)	<b>Title:</b> Hazard Mitigation Community Planner Lead Planning Specialist	<b>Date:</b> May 19, 2010 May 28, 2010
<b>Date Received in FEMA Region 4</b>	<b>April 16, 2010</b>	
<b>Plan Not Approved</b>	May 28, 2010	
<b>Plan Approved</b>		
<b>Date Approved</b>		

<b>Jurisdiction:</b>	<b>DFIRM</b>		<b>NFIP Status*</b>			<b>CRS Class</b>
	<b>In Plan</b>	<b>Not In Plan</b>	<b>Y</b>	<b>N</b>	<b>N/A</b>	
1. Bay County (Unincorporated)	X		Y			5
2. City of Lynn Haven		X	Y			8
3. City of Parker	X		Y			8
4. City of Panama City Beach		X	Y	N		10
5. City of Panama City	X		Y			6

**LOCAL MITIGATION PLAN REVIEW CROSSWALK      INTERIM      BAY CO. FL      MARCH 2010**

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

Jurisdiction:	DFIRM		NFIP Status*			CRS Class
	In Plan	Not In Plan	Y	N	N/A	
6. City of Springfield		X	Y	N		10
7. City of Callaway		X	Y			8
8. City of Mexico Beach		X	Y	N		10



**LOCAL MITIGATION PLAN REVIEW CROSSWALK INTERIM BAY CO. FL MARCH 2010**

		City of Mexico Beach City of Panama City City of Panama City Beach City of Parker City of Springfield		X
B. For each jurisdiction, has the local governing body adopted the <b>new or updated</b> plan?	No. A resolution will be submitted to the local governing body upon FEMA approval of this draft.  <b>Section 7</b>	Upon receipt of "Approval Pending Adoption" status from FEMA, the local jurisdictions will formally adopt the plan.  This is the initial submission of the Bay County updated Plan. None of the participating jurisdictions has adopted the updated Plan. At least one participating jurisdiction must formally adopt the Plan within one calendar year of receipt of the FEMA "Approval Pending Adoption" notification.  <b>REQUIRED REVISION:</b> The Updated Plan must be adopted within one calendar year of FEMA's "approval pending adoption" of the Updated Plan.  For more information, please see "Multi-Jurisdictional Plan Adoption" in the Local Multi-Hazard Mitigation Planning Guidance, Pages 19 – 20.	X	
C. Is supporting documentation, such as a resolution, included for each participating jurisdiction?	Yes. A draft copy of the seven municipal Resolutions is included in Section 7(B-H).6 of each municipality.  <b>Section 7</b>	In Section 7, a draft copy of the Resolutions is included for each jurisdiction. Resolutions will be submitted as soon as FEMA-approved (APA) plan has been adopted by each jurisdiction.  <b>REQUIRED REVISION:</b> The Updated Plan shall include a copy of the resolution or other documentation of formal adoption of the Updated Plan within one calendar year.  For more information, please see "Multi-Jurisdictional Plan Adoption" in the Local Multi-Hazard Mitigation Planning Guidance, Pages 19 – 20.	X	
<b>SUMMARY SCORE</b>			X	

**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	MET

LOCAL MITIGATION PLAN REVIEW CROSSWALK		INTERIM	BAY CO. FL	MARCH 2010
<p>A. Does the <b>new or updated</b> plan describe <b>how</b> each jurisdiction participated in the plan's development?</p>	<p>Yes. <b>Sect 3.4</b> , pp. 10-12</p> <p>Section 3, pp. 9-12, p. 16</p>	<p>An LMS team was formed drawing members from each of the participating jurisdictions. The LMS team agreed to streamline the old plan in this update. An intern was utilized to do most of the research supplied to the LMS team.</p> <p>The Bay County LMS Team was the planning team guided the LMS process. The LMS Team was responsible for the oversight and coordination of all actions and decisions affecting the LMS. Every participating jurisdiction had at least one designated representative on the LMS Team.</p>		X
<p>B. Does the updated plan identify all participating jurisdictions, including new, continuing, and the jurisdictions that no longer participate in the plan?</p>	<p>Yes. <b>Sect. 3.2</b> (p.9), <b>Sect. 3.3</b>, Chart 2, p.9</p> <p>Section 1, p. 1; Section 3, p. 9</p>	<p>On page 1 of the Plan identifies the following jurisdictions as participating in the Plan:</p> <ul style="list-style-type: none"> <li>- Bay County</li> <li>- Callaway</li> <li>- Lynn Haven</li> <li>- Mexico Beach</li> <li>- Panama City</li> <li>- Panama City Beach</li> <li>- Parker</li> <li>- Springfield</li> </ul> <p>Since the 2004 update Cedar Grove has become unincorporated and is therefore not participating in the plan. There are no new members participating in the update.</p> <p>The updated Plan identifies all participating jurisdictions. All jurisdictions that participated in the original plan continued their participation in the updated Plan with one exception. The Town of Cedar Grove became an unincorporated area of Bay County. The portion of the county formerly recognized as Cedar Grove was analyzed as part of unincorporated Bay County in the updated Plan.</p>		X
<b>SUMMARY SCORE</b>				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.*

			SCORE	
		LMS Team was made up of representatives from each participating jurisdiction, as well as other interested parties. An intern provided by the Florida Department of Emergency Management did much of the data gathering and assembly for the updated Plan. A Team Assistant was assigned to the intern to aid with information gathering. The intern assembled a final draft and presented it to the LMS Team at their August 2009 meeting. Each jurisdictional representative was responsible for reviewing and providing additional information, as needed, for their own area.		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.*

			SCORE	
<p>C. Does the <b>new or updated</b> 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?)</p>	<p>Sect. 2.3 p.5 ¶ 3 Sect. 3.3 ¶ 1 p.9, Section 3.6 ¶ 2-4, p.14, Sect. 3.7D</p> <p>Section 2, p. 5; Section 3, p. 14, p. 15</p>	<p>Public participation was encouraged through the advertising of all CRS team meetings, and will continue to be advertised. Through this advertising, members from the public are encouraged to participate in the planning process. <a href="#">Appendix 2</a> includes newspaper ads where all communities, public, etc. were invited to the planning process.</p> <p>The public was given the opportunity to be involved in the planning and drafting effort. LMS planning meetings were advertised in the local newspaper and solicited at Commission meetings and other county events. All meetings and actions of the LMS Team were documented and made available for public review and comment. However, the Plan does not document that the public has had an opportunity to comment on the Plan prior to approval.</p> <p><b>Required Revision:</b></p> <p>The updated Plan must indicate how the public was provided an opportunity to comment on the plan <u>prior to final plan</u> approval.</p> <p>Refer to "Local Multi-Hazard Mitigation Planning guidance, July 2008, Requirement 201.6(b) and 201.6(c)(1), pp. 26-27.</p> <p><b>Recommended Revision:</b></p> <p>In a future revision of the Plan, indicate how the Florida sunshine laws impact public involvement the Plan.</p>	<p>X</p>	
<p>D. Does the <b>new or updated</b> plan discuss the opportunity for neighboring communities, agencies, businesses, academia, nonprofits, and other interested parties to be involved in the planning process?</p>	<p>Sect. 3.6 ¶ 2-4, p.14</p>	<p>Newspaper advertisements invited organizations to attend meetings and participate in the plans development. Gulf Coast Community College and Peoples first Community Bank were involved as LMS team members.</p>		<p>X</p>





**LOCAL MITIGATION PLAN REVIEW CROSSWALK**

**INTERIM**

**BAY CO. FL**

**MARCH 2010**

		<p>Surge component extent is identified as 25 feet high. However, no extent is provided for the localized event component.</p> <p><b>Required Revision:</b> Provide <b>Extent</b> for the Flooding hazard, for example, indicate the flood depth in feet.</p> <p>Refer to Local Multi-hazard Mitigation Planning Guidance, July 2008, Requirement 201.6(c)(2)(i), page 32-35.</p>	X	
<p>C. Does the plan provide information on <b>previous occurrences</b> of each hazard addressed in the <b>new or updated</b> plan?</p>	<p>Section 4.9, chart 7, 10, 11 section 7A.2(e)2.</p> <p>Section 4; Section 7; Appendix 5</p>	<p>Section 4.9 of the Plan provides previous occurrences for each natural hazard addressed:</p> <ol style="list-style-type: none"> <li>1. Flooding Section 4.9A.3 Map A and B "Bay County Flood Zones" and "Bay county Surge zones".</li> <li>2. Tropical Storm, Hurricane, High Winds-see section 7A.2(e)2.</li> <li>3. Tornado – Chart 9</li> <li>4. Tsunami – Sec. 4.9.D.2, Chart 7 note in Probability column, Map J.</li> <li>5. Wildfire- Section 4.9.E and Chart 10, 11 and Map K.</li> <li>6. Sinkhole- see chart 7, note in Probability column.</li> </ol> <p>The updated Plan provides information about previous occurrences for each of the natural hazards addressed. For the High Winds hazard, historical information for both the hurricane and tornado components is provided. For Wildfire, a table of previous events is included. For Flooding, the flooding event of February 2008 is described in great detail. It is, however, the only historical flooding event included in the Plan.</p> <p><b>Recommended Revision:</b> In a future update of the Plan, include additional previous occurrences of flooding, including the Storm Surge/Coastal component, as well as localized (flash) floods.</p>		X
<p>D. Does the plan include the <b>probability of future events</b> (<i>i.e.</i>, chance of occurrence) for each hazard addressed in the <b>new or updated</b> plan?</p>	<p>Section 4.9 Chart 7 Sect. <b>4.9.A.3</b> - Flood Damage <b>Sect. 4.9.C. 5</b> - Wind damage from hurricane winds &amp; tropical storm winds.</p>	<p>The probability of future events for the identified hazards are described in chart 7 on page 22. Each hazard is listed as either low, medium or high. Low means that a hazard event will occur once every 100 to 500 years, for medium once every 1-3 years and for high 1 or more occurrences a year. Other references were found in the following sections:</p>		

LOCAL MITIGATION PLAN REVIEW CROSSWALK		INTERIM	BAY CO. FL	MARCH 2010	
	<b>Sect. 4.9.D.3</b> - tsunami inundation. <b>Sect. 4.9.E.5</b> - wildfire damage <b>Sect. 4.9.F.2</b> - sinkhole damage  Section 4, p. 18, pp. 22-48	The updated Plan defines probability of occurrence in terms of High/Medium/Low on page 18. Each natural hazard addressed in the Plan includes a probability using the defined scale.			X
<b>SUMMARY SCORE</b>				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	S

LOCAL MITIGATION PLAN REVIEW CROSSWALK	INTERIM	BAY CO. FL	MARCH 2010
<p>A. Does the <b>new or updated</b> plan include an <b>overall summary</b> description of the jurisdiction's <b>vulnerability</b> to each hazard?</p>	<p>Section 4.9 Section 7A-H Chart 7</p> <p>Section 4; Section 7</p>	<p>The Plan contains a general review of the jurisdictions vulnerability to each natural hazard.</p> <p>Other references can be found in the following sections:</p> <ul style="list-style-type: none"> <li>• Flood vulnerability: Sect. 4.9.A. pp.23-27</li> <li>• Wind vulnerability: from hurricane winds &amp; tropical storm winds. - Sect. 4.9.B.1</li> <li>• Sect. 4.9.B.3(a)</li> <li>• Maps C-G pp. 34-38, Map H</li> <li>• Tornado vulnerability Sect 4.9.C.5 &amp; Chart 8 p. 43</li> <li>• Tsunami vulnerability: Sect. 4.9.D.</li> <li>• Wildfire vulnerability: Sect. 4.9.E.</li> <li>• Sinkhole vulnerability: Sect. 4.9.F.</li> </ul> <p>Also see Jurisdiction Profiles <b>Section 7A-H</b>, (and accompanying maps/tables).</p> <p>The updated Plan includes an overall discussion of the jurisdictions' vulnerabilities to the natural hazards addressed in the Plan. A general description of the types of structures most vulnerable to the hazards is included. The Plan states that each jurisdiction has identified vulnerable critical facilities. Older structures and mobile homes are more vulnerable to High winds, as are buildings over 10 stories. Single family residences are most vulnerable to Storm Surge Flooding.</p>	<p>X</p>
<p>B. Does the <b>new or updated</b> plan address the <b>impact</b> of each hazard on the jurisdiction?</p>	<p>Section 4.9, &amp; 7A- 7H and chart 7 and 11.</p> <p>Section 4; Section 7</p>	<p>The updated plan addresses the impact of each hazard on the county and also each of the participating jurisdictions. The very detailed Maps in section 7 broken out by jurisdiction provide detailed dollar cost estimates for each type of structure. The following references were found to address this requirement.</p> <ul style="list-style-type: none"> <li>• Flood Impact: Sect. 4.9.A.3 , &amp; Chart 7 column 4 "Potential of Hazard Event (Damage Impact)"</li> <li>• Wind impact: Sect. 4.9.B.3(a)</li> <li>• Tornado Impacts: Sect 4.9.C.5 p. &amp; Chart 8</li> <li>• Tsunami impact: Sect. 4.9.D.3 (this section indicates Tsunami impacts would follow the wave heights from the Surge Zones - see storm surge maps in Sect. A-H for each fire district &amp; Municipality)</li> <li>• Wildfire impact: Sect. 4.9.E.3 Chart 11</li> <li>• Sinkhole impact: Sect. 4.9.F.1</li> </ul> <p>The updated plan discusses the impact of each natural hazard on the jurisdictions. For the Flooding hazard, maps, charts, and text</p>	<p>X</p>

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		describe the impact, including types and numbers of structures impacted by various levels of Storm Surge. Older structures of any type and mobile homes are most impacted by High winds. Chart 11 identifies types and numbers of structures affected by Wildfire.		
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**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	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?	Sect. 5.1, chart 12, Section 7 Maps per jurisdiction  Section 5, p. 54; Section 7	The new or updated plan describes vulnerability in terms of the types and numbers of repetitive loss properties located in the identified hazard areas in Chart 12 and section 5.1. There are also repetitive loss maps for each jurisdiction in section 7 such as 7B3 for Callaway.  The updated Plan identifies the types and numbers of repetitive loss properties in each of the participating jurisdictions. Jurisdiction maps mark locations of such properties. The majority of the properties are residential.		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	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?	Sections 7A-7H.  Section 4; Section 7	Maps on pages 25-26 locate buildings that are at risk to Flooding and Coastal Storm events. The numbers and types of structures that are vulnerable to wildfires are listed on page 50 Chart 11. The Maps provided in sections 7A-7H do provide the types and numbers parcels within each participating jurisdiction.  The updated Plan describes vulnerability in terms of types and numbers of existing structures for Wildfire and Flooding hazards. The updated Plan discusses the types of existing structures ( e.g. older structures		

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			<p>and dwelling units, mobile homes, high rise buildings) affected by High winds, but does not offer numbers for any type.</p> <p><b>Recommended Revision:</b> In a future update of the Plan, include information about both the types and numbers of existing structures vulnerable to all natural hazards addressed in the Plan.</p> <p>Refer to Local Multi-hazard Mitigation Planning Guidance, July 2008, Requirement 201.6(c)(2)(ii)(A), page 42-44.</p>	x
B. Does the <b>new or updated</b> plan describe vulnerability in terms of the <b>types and numbers</b> of <b>future</b> buildings, infrastructure, and critical facilities located in the identified hazard areas?	<p>Future Land Use Maps in Sections 7A- 7H</p> <p>Section 4; Section 7</p>	<p>The <b>Future Land Use Maps</b>, coastal high Hazard area maps, and the flood zone maps provided in Sections 7A-7H show the value of the parcels at risk. They do not show the numbers of future buildings, infrastructure, and critical facilities located in the identified hazard areas.</p> <p><b>Recommended Revision:</b> Based on projections of construction and land development, the plan should indicate if any structures or development are proposed for areas of high risk, especially critical facilities.</p> <p>The updated Plan does not discuss or describe vulnerability in terms of any future structures located in the hazards areas for any jurisdiction.</p> <p><b>Recommended Revision:</b> In a future update of the Plan, include information about both the types and numbers of future structures vulnerable to all natural hazards addressed in the Plan.</p> <p>Refer to Local Multi-hazard Mitigation Planning Guidance, July 2008, Requirement 201.6(c)(2)(ii)(A), page 42-44.</p>	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	S
A. Does the <b>new or updated</b> plan estimate <b>potential dollar losses</b> to vulnerable structures?	Sections 7A-7H  Section 4; Section 7	<p>The Land Use/Value tables provided for each participating jurisdiction in Sections 7A-7H provide the value of the parcels at risk to flooding in Bay County</p> <p><b>Recommended Revision:</b> The plan should provide estimated dollar losses to vulnerable structures for all hazards.</p> <p>The updated Plan provides estimated potential dollar losses to vulnerable existing structures only for the Flooding hazard. No dollar loss estimates for existing structures are provided for the High Winds or Wildfire hazards. The Plan includes no estimate of potential dollar losses for future structures for any natural hazard addressed in the Plan.</p> <p><b>Recommended Revision:</b> In a future update of the Plan, include information about estimated potential dollar losses for both existing and future structures vulnerable to all natural hazards addressed in the Plan.</p> <p>Refer to Local Multi-hazard Mitigation Planning Guidance, July 2008, Requirement 201.6(c)(2)(ii)(B), page 45-46.</p>	X	
B. Does the <b>new or updated</b> plan describe the <b>methodology</b> used to prepare the estimate?	Sect. 2.4  Section 2, p. 7; Section 4; Section 7	<p>The updated Plan uses Geographic Information systems and data from the Property Appraiser's Office in order to prepare the estimates.</p> <p>The updated Plan states that information from the Bay County property Appraiser's Office was used to value economic assets. However, only existing structures vulnerable to Flooding offered loss estimates, and no estimates of future losses were provided for any hazard.</p> <p><b>Recommended Revision:</b> In a future update of the Plan, include information about estimated potential dollar losses for both existing</p>	X	

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		and future structures vulnerable to all natural hazards addressed in the Plan and describe the methodology used to prepare such estimates.  Refer to Local Multi-hazard Mitigation Planning Guidance, July 2008, Requirement 201.6(c)(2)(ii)(B), page 45-46.		
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**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	S
A. Does the <b>new or updated</b> plan describe land uses and development trends?	Sect. 4.5  Section 4, pp. 19-20; Section 4; Section 7	In Sect. 4.5 the updated Plan discusses current land uses, evacuation requirements of the population and population forecasts.  <b>Recommended Revision:</b> Discuss future development trends more thoroughly.  In Section 7, the updated Plan uses maps to describe current land usage in each of the participating jurisdictions. The Plan offers no description of development trends for any of the participating jurisdictions.  <b>Recommended Revision:</b> In a future update of the Plan, include a description of development trends or each jurisdiction participating in the Plan.  Refer to Local Multi-hazard Mitigation Planning Guidance, July 2008, Requirement 201.6(c)(2)(ii)(C), page 47-49.	X	
<b>SUMMARY SCORE</b>			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	S
A. Does the <b>new or updated</b> plan include a risk assessment for each participating jurisdiction as needed to reflect unique or varied risks?	Chart 7 sections 7A-7H  Section 4; Section 7	Chart 7 describes the vulnerability to and the frequency of occurrence of Hazards for the entire county and also the individual participating jurisdictions. Sections 7A-7H include individual Maps and descriptions reflecting the differences in risk to Flooding, and Wildfire Hazards along with display Coastal high hazard zones which describe varied risk to Projected High Winds from Coastal Storms.  Section 4 identifies varying risk when discussing each natural hazard. Section 7 of the updated Plan contains data and information specific to each jurisdiction participating in the Plan. Both section use text and maps to reflect risk.		X
<b>SUMMARY SCORE</b>				X

**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	S
A. Does the new or <b>updated</b> plan include a description of mitigation <b>goals</b> to reduce or avoid long-term vulnerabilities to the identified hazards?	Sect. 2.2 Sect. 7A2(e)  Section 2, pp. 4-8	Section 2 of the updated Plan provides a list of mitigation goals to reduce long term vulnerabilities to identified hazards.  The updated Plan includes 8 broad scope goals and 5 specific goals for the local mitigation planning process. Each of the specific goals has objectives in support of the goal.		X
<b>SUMMARY SCORE</b>				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.*

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Element	Location in the Plan (section or annex and page #)	Reviewer's Comments	SCORE	
			N	S
A. Does the <b>new or updated</b> plan identify and analyze a <b>comprehensive range</b> of specific mitigation actions and projects for each hazard?	<p>Sect. 2.4 Sect. 3.5 Sect. 7A2(e) 5</p> <p>Section 3, p. 13</p>	<p>Chart 3 does provide a prioritized list of mitigation projects which address Flooding, Projected High Winds, Tornadoes, and Wildfire hazards in the Plan. There are no mitigation projects for Tsunamis or Sinkholes due to the low risk of occurrence.</p> <p>A <b>comprehensive range</b> of specific mitigation actions consists of multiple mitigation actions for each natural hazard addressed in the Plan. Hazard mitigation is defined as sustained action taken to reduce or eliminate long-term risk from hazards.</p> <p>Chart 3 has a column labeled Project Name. While the entries in this column identify several projects as addressing either the High Winds hazard or the Flooding hazard, not all projects clearly identify the hazard(s) addressed. Four projects at the bottom of the list are not ranked and 2 are labeled as "pending", making it unclear if these projects are actually mitigation actions included in the Plan. No project clearly states it addresses the Wildfire hazard. The Plan does clearly state that Tsunami and Sinkhole hazards will not be addressed fully in the Plan and no mitigation actions identified for either one.</p> <p><b>Required Revision:</b> Clearly identify a comprehensive range of specific mitigation actions for each natural hazard addressed in the Plan. A single mitigation action can address multiple hazards, but the hazards addressed must be clearly identified.</p> <p>Refer to Local Multi-hazard Mitigation Planning Guidance, July 2008, Requirement 201.6(c)(3)(ii), page 56-60.</p>	X	
B Do the identified actions and projects address reducing the effects of hazards on <b>new</b> buildings and infrastructure?	<p>Sec. 3.5 and 7</p>	<p>According the last paragraph of section 3.5 ""methodology for determining project ranking" the drainage related mitigation projects and the wildfire mitigation projects on the mitigation projects list protect</p>		

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	Section 3, pp. 13-14	<p>both current and future buildings. So therefore there are projects that address reducing the effects of hazards on future buildings and infrastructure.</p> <ol style="list-style-type: none"> <li>1) Comprehensive Plan and Land Development Regulations that support mitigation objectives are included in               <ol style="list-style-type: none"> <li>a. Sect. 7A 2(a), Bay County</li> <li>b. Sect. 7B 2(a)(b), Callaway</li> <li>c. Sect. 7C2(a), Lynn Haven</li> <li>d. Sect. 7D2(a), Mexico Bch</li> <li>e. Sect. 7E2(a)(b), Panama C.</li> <li>f. Sect. 7F2(a), PCB</li> <li>g. Sect. 7G2(a), Parker</li> <li>h. Sect. 7H2(a), Springfield</li> </ol> </li> <li>2) Floodplain Management Ordinance requirements that mitigate potential damage in the floodplain :               <ol style="list-style-type: none"> <li>a. Sect. 7A2(f) Bay County</li> <li>b. Sect. 7B2(d) Callaway</li> <li>c. Sect. 7C2(c) Lynn Haven</li> <li>d. Sect. 7D2(c) Mexico Bch</li> <li>e. Sect. 7E2(d) Panama City</li> <li>f. Sect. 7F2(d) PCB</li> <li>g. Sect. 7G2(b) Parker</li> <li>h. Sect. 7H2(C) Springfield</li> </ol> </li> </ol> <p><b>Identified actions address educing the impact of hazards on future structures. The Plan states that all drainage projects are designed to protect new homes and businesses.</b></p>	X
C. Do the identified actions and projects address reducing the effects of hazards on <b>existing</b> buildings and infrastructure?	Sec 3.5 and sec 7	<p>According the last paragraph of section 3.5, the drainage related mitigation projects and the wildfire mitigation projects on the mitigation projects list protect both current and future buildings. So therefore there are projects that address reducing the effects of hazards on existing buildings and infrastructure.</p> <ol style="list-style-type: none"> <li>1) Same as 1 &amp; 2 above - Floodplain management ordinance also supports substantial damage/improvement language for existing buildings.</li> <li>2)Capital Improvement Element supports improvements to existing buildings and infrastructure: <b>Sect. 7A2(c) Bay County</b></li> </ol>	

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	Section 3, pp. 13-14		Sect. 7B2(c) Callaway Sect. 7C2(b) Lynn Haven Sect. 7D2(b) Mexico Bch Sect. 7E2(c) p. 297 Panama City Sect. 7F2(c) p. 338 PCB Sect. 7H2(b)p. 424 Springfield		X
<b>SUMMARY SCORE</b>				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	S	
<b>A. Does the updated plan describe the jurisdiction (s) participation in the NFIP?</b>	Section 5.1.  Section 5, p. 56	Section 5.1 describes the jurisdictions participation in the NFIP.  All jurisdictions participating in the updated Plan participate in the NFIP. Bay County, Lynn Haven, Parker, Panama City, and Callaway also participate in the CRS.		X	
<b>B. Does the mitigation strategy identify, analyze and prioritize actions related to continued compliance with the NFIP?</b>	Section 5.1  Section 5, pp. 56-57	Section 5.1 identifies, analyzes and prioritizes mitigation actions related to continued compliance with NFIP.  The updated Plan contains prioritized actions for continued compliance with the NFIP. CRS jurisdictions will seek to improve the CRS rating.		X	
<b>SUMMARY SCORE</b>					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	S
A. Does the <b>updated</b> mitigation strategy include how the actions are <b>prioritized</b> ? (For example, is there a discussion of the process and criteria used?)	Section 3.5, pp 12-14.  Section 3, pp. 12-13	<p>The <b>updated</b> mitigation strategy includes details about how the actions were and are <b>prioritized</b>.</p> <p>Projects are submitted to the LMS Team Chair by the jurisdictions. The submitter provided substantiated reasons for their project rankings. The LMS Team as a whole reviewed each proposal for its relevance to the LMS goals. The LMS Team then voted and projects were ranked based on that vote. Priority for funding is based on submission of a form, and lacking a form, the age of the facility - older getting higher priority. A BCA will be run at the time are available.</p> <p><b>Recommended Revision:</b> Include a copy of the form used for project proposals and/or the characterization form in the next update of the Plan.</p>		X
B. Does the <b>updated</b> 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 3.5, p. 13, Chart 3  Section 3, p. 13	<p>The plan addresses how actions will be implemented and Chart 3 shows the timeframe, anticipated funding source, and cost of each project.</p> <p>The updated Plan lists 26 projects in Chart 3. Chart 3 has a column labeled Timeframe and a column labeled Cost &amp; Source, which contains a funding source. The chart also has a column labeled Sponsor/Agency, but it is not clear as to whether this means the jurisdiction benefitting from the project (e.g. Bay County, Panama City) or the department responsible for implementing the project (e.g. Bay County Health Dept, Panama City PD, Gulf Coast CC). See Element 17A.</p> <p><b>Required Revision:</b> Clearly identify the department/agency responsible for carrying out each action.</p> <p>Refer to Local Multi-hazard Mitigation Planning Guidance, July 2008, Requirement 201.6(c)(3)(iii), page 63-64.</p>	X	

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C. Does the <b>new or updated</b> prioritization process include an emphasis on the use of a <b>cost-benefit review</b> to maximize benefits?	Section 3.5, p. 13, ¶ 2 Section 6.2,p. 58  Section 3, p. 13	The plan indicates that projects were analyzed to ensure they are cost-effective.  The updated Plan states that projects are analyzed to ensure they are cost-effective. An actual Benefit Cost Analysis (BCA) is not run until a funding opportunity is available.		X
D. Does the <b>updated</b> 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?	Chart 16 Chart 17,  Section 6, pp. 59-60	The plan identifies completed, deleted or deferred mitigation actions.  The updated Plan identifies completed projects from 2004 – 2009 in Chart 17. Chart 16 lists projects not completed, along with reason for not completing.		X
<b>SUMMARY SCORE</b>			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	S
A Does the <b>new or updated</b> plan include identifiable <b>action items</b> for each jurisdiction requesting FEMA approval of the plan?	Section 3.5, Chart 3  Section 3, p. 13	The list of mitigation projects does contain action items for each participating jurisdiction for Flooding, Projected High Winds, Tornadoes, and Wildfires. There are no projects for Tsunamis or sinkholes due to their low risk of occurrence.  Each jurisdiction participating in the Plan must be able to point to a comprehensive range of mitigation actions for each hazard affecting that jurisdiction. A comprehensive range of specific mitigation actions consists of multiple mitigation actions for each profiled hazard for each jurisdiction. (See Element 14A.)  The updated Plan lists 26 projects in Chart 3. Chart 3 has a column labeled Sponsor/Agency, but it is not clear as to whether this means the jurisdiction covered by the project (e.g. Bay County, Panama City) or the department responsible for implementing the project (e.g. Bay County Health Dept, Panama City PD, Gulf Coast CC). See Element 16B	X	

		<p>In addition, Chart 3 has a column labeled Project Name. While the entries in this column identify several projects as addressing either the High Winds hazard or the Flooding hazard, not all projects clearly identify the hazard(s) addressed. Four projects at the bottom of the list are not ranked and 2 are labeled as "pending", making it unclear if these projects are actually mitigation actions included in the Plan.</p> <p>No project clearly states it addresses the Wildfire hazard for any jurisdiction. Callaway, Lynn Haven, Panama City, and Parker have only one action for Flooding, while Panama City Beach has none and one each for Mexico Beach and Springfield are marked as "pending". Callaway, Lynn Haven, Parker, and Springfield have only one mitigation action for the wind hazard.</p> <p><b>Required Revision:</b> Include a comprehensive range of action items for each hazard for each participating jurisdiction affected by that hazard. A mitigation action can address multiple hazards and cover multiple jurisdictions.</p> <p>Refer to Local Multi-hazard Mitigation Planning Guidance, July 2008, Requirement 201.6(c)(3)(iv), page 65-66.</p>		
<p>B. Does the <b>updated</b> plan identify the completed, deleted or deferred mitigation actions as a benchmark for progress, and if activities are unchanged (<i>i.e.</i>, deferred), does the updated plan describe why no changes occurred?</p>	<p>Chart 16 &amp; 17</p> <p>Section 6, pp. 59-60</p>	<p>Chart 16 contains a list of mitigation initiatives not completed or funded. Chart 17 contains a list of completed mitigation initiatives.</p> <p>The updated Plan identifies completed projects from 2004 – 2009 in chart 17. Chart 16 lists projects not completed, along with reason for not completing.</p>		<p>X</p>
<b>SUMMARY SCORE</b>			<p>X</p>	

**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.*

Location in the Plan	SCORE
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Element	(section or annex and page #)	Reviewer's Comments	N	S
<p>A. Does the <b>updated</b> plan describe the method and schedule for <b>monitoring</b> the plan, including the responsible department?</p>	<p>Sections 6.1, 6.2, 6.3,  Section 6, pp. 57-59</p>	<p>The plan states that the overall responsibility for coordinating the monitoring, evaluation and updates falls to the Vice-Chair. Bay County personnel and staff of each LMS Team member's jurisdiction will be responsible for monitoring. Evaluation and monitoring meetings will continue to be held at least annually, and advertised for public participation.</p> <p>The overall responsibility for coordinating the monitoring of the Plan falls to the LMS Team vice-chair. Bay county and LMS jurisdiction staff provide technical, clerical and support activities for monitoring. The Plan includes criteria used for monitoring the Plan.</p>		<p>X</p>
<p>B. Does the <b>updated</b> plan describe the method and schedule for <b>evaluating</b> the plan, including how, when and by whom (<i>i.e.</i> the responsible department)?</p>	<p>Sections 6.1, 6.2, 6.3  Section 6, pp. 57-59</p>	<p>The plan states that the overall responsibility for coordinating the monitoring, evaluation and updates falls to the Vice-Chair. Evaluation and monitoring meetings are held at least annually, and advertised for public participation. The plan continues by stating that the criteria used to evaluate and monitor the plan will include, but is not limited to:</p> <ol style="list-style-type: none"> <li>1. Assess major changes within the County and how they may affect the mission of the LMS plan and the projects pending on the prioritization list.</li> <li>2. Review any changes that may have been made to other planning mechanisms (<i>i.e.</i>, the Comprehensive Plan), and determine if corresponding changes are needed to the LMS plan.</li> <li>3. Discuss any recent disaster events and how they may change the mitigation efforts undertaken by the county and municipal jurisdictions. A meeting is to be scheduled at the end of each hurricane season and after each major storm event.</li> </ol> <p>FEMA concurs with the state reviewer comments.</p>		<p>X</p>
<p>C. Does the <b>updated</b> plan describe the method and schedule for <b>updating</b> the plan within the five-year cycle?</p>	<p>Section 6.1  Section 6, pp. 57-59</p>	<p>The plan states that the update process for the 2015 plan will begin in January, 2014, and will be widely advertised to engage public participation and support.</p> <p>The Plan will be updated annually, with overall responsibility falling to LMS Tam Vice-chair. Mitigation</p>		<p>X</p>

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			initiatives are to be updated annually. Meetings to be scheduled following hurricane season and after each major storm when damage occurred. The 5-year update process is to begin in January 2014 for the 2015 update.		
<b>SUMMARY SCORE</b>					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	S
A. Does the <b>updated</b> plan identify other local planning mechanisms available for incorporating the mitigation requirements of the mitigation plan?	Sect. 6.4  Section 6, p. 59	The LMS Plan is available for inclusion into the Bay County and Municipal Comprehensive Plan and Land Development Regulations, and has already been incorporated into the CEMP. During the next LMS planning cycle the LMS Plan will be reviewed by the appropriate Planning Departments, and a determination will be made as to which sections are relevant for inclusion into these planning documents.  The updated Plan identifies planning documents into which mitigation requirements of the Plan can be incorporated. They include: <ul style="list-style-type: none"> <li>• Capital improvement plans (CIP)</li> <li>• Comprehensive plans</li> <li>• Land development codes</li> <li>• Ordinances</li> </ul>		X
B. Does the <b>updated</b> 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?	Sect. 6.4,	The plan states that during the next LMS planning cycle the LMS Plan will be reviewed by the appropriate Planning Departments and a determination will be made as to which sections are relevant for inclusion into these planning documents.  The updated Plan states that the LMS Vice-chair reviews plans and projects on an ongoing basis for general hazards, and the CRS coordinator for flood hazards, for inclusion in other planning mechanisms.		X



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committee, or annual review meetings with stakeholders?)	Section 3, p. 5; Section 6, p.57	All meetings of the LMS Team will be advertised in the local newspaper. The public is also invited to participate as volunteers in various outreach projects, coordinated through the CRS program. Annual review and update meetings will be advertised for public participation. The public will be invited to participate in the 5-year update effort.		
<b>SUMMARY SCORE</b>				<b>X</b>