

# Gulf Coast Hazard Mitigation Plan Review

Environmental Law Institute  
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## Introduction

Recently, increased emphasis has been placed on non-structural and nature-based hazard mitigation solutions, including the restoration of wetlands and floodplains, as cost-effective alternatives for flood hazard mitigation that also help achieve conservation goals like maintaining biodiversity. FEMA hazard mitigation grant programs could provide potential funding that could pay for the restoration and protection of critical natural infrastructure and improve outcomes and reduce costs from the next disaster. For example, FEMA's new Building Resilient Infrastructure and Communities (BRIC) program will make \$500 million dollars available to states, U.S territories, Indian tribal governments, and local communities for pre-disaster mitigation activities. The FY2020 program priorities include incentivizing projects that incorporate nature-based solutions.

Funded mitigation activities, including nature-based projects, must be done in accordance with priorities set out in state, tribal, or local hazard mitigation plans. Some state and local governments identify restoration and protection priorities in their plans. Most state plans recognize habitat loss as a hazard, or at least as a consequence of hazards, but fewer discuss habitat conservation and restoration as a hazard mitigation strategy. If they did so, more opportunities would be created for investments in nature-based solutions. And, while many state hazard mitigation plans reference federal funding for restoration projects, fewer plans include state-level funding or state-directed projects for habitat restoration. Local plans are more directly tied to community needs and goals and thus may provide an important opportunity for integrating conservation and restoration goals.

The goal of this project was to equip advocates for nature-based solutions with information to play an active role in the hazard mitigation planning process by:

- identifying best practices in inclusion of nature-based strategies in local hazard mitigation plans in the Gulf Coast region, and
- providing a schedule indicating which entities prepare these plans and a timeline for their next update.

## Methodology

The research phase included an analysis of local hazard mitigation plans from across the Gulf Coast region. We used a keyword search approach to identify to what extent local hazard mitigation plans are incorporating conservation and restoration of wetlands and floodplains and green infrastructure as goals or explicit hazard reduction strategies. The research methodology included the following steps:

1. **Identify and review hazard mitigation plans.** The research team identified 58 local hazard mitigation plans representing 65 counties (and many municipalities within) for review. Selected plans included plans for the 13 counties served by the Houston Galveston Area Council (H-GAC), plans from counties within the Guadalupe Basin in Texas, and all available plans from the remaining coastal counties in the Gulf Coast states (see Table 1). Plans were generally located on local government websites (e.g., county webpage). In some cases, the plan was found on a unique website (e.g., the Mississippi Emergency Management Agency District 9 Region plan that includes that includes George, Hancock, Harrison, Jackson, Pearl River, and Stone Counties is housed on its own webpage). We include links to pdf versions of the plans in Table 1.

A key word search approach was used as an initial screen to identify natural and nature-based goals and objectives and strategies and actions. The key words used included, wetland; natur- (e.g., natural and nature-based); green (e.g., green infrastructure); conserv- (e.g., conserve, conservation); preserv- (e.g., preserve, preservation); restor- (e.g., restore, restoration); stream; and living shore. We searched the entire plan for the key words, including all plan sections (e.g., risk assessment, mitigation strategy, plan process). We documented all identified relevant goals, objectives, and mitigation actions in each plan summary.

The key word search was followed by a more detailed review of the mitigation strategy section of the plan to ensure all relevant mentions and actions were included in the data and to better understand the context of each action and document any additional relevant information. Some of the plans include a description of each action, others just list actions without additional information.

2. **Document relevant goals and actions.** We documented nature-based goals and strategies for mitigating the risks posed by natural hazards. We took a conservative view of relevant goals and actions to include in our analysis. We included only goals and actions that explicitly discussed natural infrastructure or nature-based strategies (e.g., habitat conservation or restoration projects, green infrastructure projects, protection policies, etc.). We did not include the following types of actions:

- references to buyouts or acquisitions that just focused on the purchase of structures,
- detention ponds (or other types of retention) that did not mention habitat restoration,
- construction/clearing of drainage structures or creation of drainage management plans (including ditch/culvert maintenance) that did not mention habitat restoration,
- drought tolerant landscaping plans or ordinances (or vegetation management for drought),

- beach re-nourishment,
- erosion control plans/programs (or projects) that didn't mention habitat,
- tree management, when focused only on pruning, and
- fire vegetation management.

In addition to documented goals and actions, we noted additional information about each plan including:

- Year
- Planning Timeframe
- Date of Next Planned Revision
- Responsible Planning Agency (including the Planning Team and Identified Stakeholders)
- Relevant Goals and Objectives
- Relevant Actions

3. **Create plan summary documents.** We created summary documents for each plan reviewed. Each plan summary notes the responsible planning agency and entity that prepared plan as well as the timing for the next plan revision. The summaries also include all of the information collected from the plan review.
4. **Create a summary of relevant actions.** Finally, we created a summary of relevant actions to identify the range of different types of actions identified, including examples.

## Results

Table 1 shows the local hazard mitigation plans reviewed, the year the plan was finalized, the responsible planning entity, and the expected date of plan update. The planning entity data indicate who advocates may contact if they want to engage in the planning process and the expected date of plan update indicates when these groups can expect the planning effort to begin.

Table 1 also includes a relative rating of how well the plans incorporate nature-resource related goals/objectives (0 = no, 1 = yes, 2 = well developed), nature-resource related actions (0 = no, 1 = yes, 2 = well developed), and specific projects or actions (0 = no, 1 = yes). More information on each plan is included in the plan summary (Appendix C).

We found that a number of counties had well developed natural resource-based goals and actions in their mitigation action plans (Table 1). Counties in Louisiana, Mississippi, and Alabama had particularly well-developed mitigation actions. We cataloged relevant individual actions into three categories, including actions related to preserving land, actions related to restoring habitats, and actions related to developing plans and programs (Appendix A).

We also identified a number of model examples of nature-based actions (Appendix B). These actions may serve as particularly good examples for other communities that are interested in incorporating nature-based actions in their mitigation action plans. We categorized these into a number of categories, including:

- Actions that identify specific projects
- Actions that identify less detailed specific projects
- Actions that are explicitly related to wildlife/biodiversity
- Actions that would support development of future projects
- Actions that encourage participation in or support for State or Federal Programs
- Actions related to partnerships
- Actions to develop wetland protection regulations
- Actions related to other planning or regulatory options

Table 1: Local plans reviewed, and relevant information collected.

State	Category	County/ Parish	Year	Responsible Planning Agency / Entity that Prepared Plan	Expected Future Plan Update Year (approximate)	Approx Time Before Update that Planning Process Starts	Goals/Objectives (0 = no, 1 = yes, 2 = well developed)	Actions (0 = no, 1 = yes, 2 = well developed)	Specific Projects Identified (0 = no, 1 = yes)
Texas	HGAC Counties	Austin	2017	H-GAC, in partnership with Austin County, City of Bellville, City of Brazos Country, City of Iowa Colony, Town of San Felipe, and City of Wallis	2022	12 months	1	0	0
Texas	HGAC Counties	Brazoria	2017	H-GAC, in partnership with Austin County, City of Bellville, City of Brazos Country, City of Iowa Colony, Town of San Felipe, and City of Wallis	2022	12 months	1	2	1
Texas	HGAC Counties	Chambers	2017	H-GAC, in partnership with Austin County, City of Bellville, City of Brazos Country, City of Iowa Colony, Town of San Felipe, and City of Wallis	2022	12 months	0	1	1
Texas	HGAC Counties	Colorado	2016	JSW & Associates, Half Associates, Tetra Tech, Inc.	2020	18 months	1	0	0
Texas	HGAC Counties	Fort Bend	2018	JSW & Associates, Half Associates, Tetra Tech, Inc.	2023	19 months	0	0	0
Texas	HGAC Counties	Galveston	2017	Tetra Tech Inc	2020	18 months	1	1	1
Texas	HGAC Counties	Harris	2020	Tetra Tech Inc	2025	2 years	2	1	0
Texas	HGAC Counties	Liberty	2017	H-GAC, in partnership with Austin County, City of Bellville, City of Brazos Country, City of Iowa Colony, Town of San Felipe, and City of Wallis	2022	12 months	0	0	0
Texas	HGAC Counties	Matagorda	2017	The JSWA Team consists of JSW & Associates, Tetra Tech, Inc., and Half Associates.	2020	2 years	1	1	0

<b>Texas</b>	HGAC Counties	Montgomery	2017	H-GAC, in partnership with Austin County, City of Bellville, City of Brazos Country, City of Iowa Colony, Town of San Felipe, and City of Wallis	2022	12 months	0	1	1
<b>Texas</b>	HGAC Counties	Walker	2017	H-GAC, in partnership with Austin County, City of Bellville, City of Brazos Country, City of Iowa Colony, Town of San Felipe, and City of Wallis	2022	12 months	0	0	0
<b>Texas</b>	HGAC Counties	Waller	2017	H-GAC, in partnership with Austin County, City of Bellville, City of Brazos Country, City of Iowa Colony, Town of San Felipe, and City of Wallis	2022	12 months	0	0	0
<b>Texas</b>	HGAC Counties	Wharton	2016	JSW & Associates, Halff Associates, Tetra Tech, Inc.	2020	2 years	1	1	0
<b>Texas</b>	Guadalupe River Basin	Kendall	2017	H2O Partners	2022	2 years	1	0	0
<b>Texas</b>	Guadalupe River Basin	Comal	2017	H2O Partners	2022	1 year	1	1	0
<b>Texas</b>	Guadalupe River Basin	Hays	2017	Jeffrey S. Ward & Associates, Inc. (JSWA) and Halff Associates.	2022	14 months	1	1	1
<b>Texas</b>	Guadalupe River Basin	Caldwell		River Authority Plan			1	1	0
<b>Texas</b>	Guadalupe River Basin	Guadalupe		River Authority Plan			1	1	0
<b>Texas</b>	Guadalupe River Basin	Gonzales		River Authority Plan			1	1	0
<b>Texas</b>	Guadalupe River Basin	DeWitt		River Authority Plan			1	1	0
<b>Texas</b>	Guadalupe River Basin	Victoria	2018	H2O Partners	2023	2 years	1	1	
<b>Texas</b>	Guadalupe River Basin	Calhoun		River Authority Plan			1	1	0

<b>Texas</b>	Guadalupe River Basin	Refugio		River Authority Plan			1	1	0
<b>Texas</b>	Guadalupe River Basin	Guadalupe River Authority	2018	H2O Partners	2023	2 years	1	1	0
<b>Texas</b>	Counties along the Gulf of Mexico	Cameron	2015	H2O Partners	2020	2 years	1	0 - 1	0
<b>Texas</b>	Counties along the Gulf of Mexico	Willacy (NA)							
<b>Texas</b>	Counties along the Gulf of Mexico	Kenedy (NA)							
<b>Texas</b>	Counties along the Gulf of Mexico	Kleberg (NA)							
<b>Texas</b>	Counties along the Gulf of Mexico	Nueces	2017	Lockwood Andrews and Newnam, Inc	2022	1 year	0	2	1
<b>Texas</b>	Counties along the Gulf of Mexico	San Patricio	2018	H2O Partners	2023	2 years	1	0	0
<b>Texas</b>	Counties along the Gulf of Mexico	Refugio (NA)							
<b>Texas</b>	Counties along the Gulf of Mexico	Aransas	2017	Lockwood Andrews and Newnam, Inc	2022	1 year	0	2	1
<b>Texas</b>	Counties along the Gulf of Mexico	Refugio (NA)							



<b>Texas</b>	Counties along the Gulf of Mexico	Jefferson	2017	H2O Partners, Inc with The South East Texas Regional Planning Commission	2022	2 years	1	1	0
<b>Louisiana</b>	Counties along the Gulf of Mexico	Cameron Parish	2015	Stephenson Disaster Management Institute, Louisiana State University	2020	1 year	1	0	0
<b>Louisiana</b>	Counties along the Gulf of Mexico	Vermilion Parish	2015	Stephenson Disaster Management Institute, Louisiana State University	2020	1 year	1	2	1
<b>Louisiana</b>	Counties along the Gulf of Mexico	Iberia Parish	2015	Stephenson Disaster Management Institute, Louisiana State University	2020	1 year	0	2	1
<b>Louisiana</b>	Counties along the Gulf of Mexico	St Mary Parish	2014	No specific planning agency mentioned	2019	1 year	1	2	1
<b>Louisiana</b>	Counties along the Gulf of Mexico	Terrebonne Parish	2020	Plan was prepared by Jennifer C. Gerbas. No specific planning agency mentioned.	2025		1	2	0
<b>Louisiana</b>	Counties along the Gulf of Mexico	Lafourche Parish	2015	Stephenson Disaster Management Institute, Louisiana State University	2020	1 year	1	0-1	0
<b>Louisiana</b>	Counties along the Gulf of Mexico	Jefferson Parish	2020 DRAFT	No specific agency mentioned	2025	14 months	1	1-2	0
<b>Louisiana</b>	Counties along the Gulf of Mexico	Plaquemines Parish	2015	GCR.INC	2020	1 year	1	1	0
<b>Louisiana</b>	Counties along the Gulf of Mexico	St Bernard Parish	2015	Stephenson Disaster Management Institute, Louisiana State University	2020	1 year	0	0	0
<b>Louisiana</b>	Counties along the Gulf of Mexico	Orleans Parish	2015	No specific agency mentioned. New Orleans NOHSEP Hazard Mitigation Office	2020	8 months	1	2	1

<b>Louisiana</b>	Counties along the Gulf of Mexico	St Tammany Parish	2015	Stephenson Disaster Management Institute, Louisiana State University	2020	1 year	0	2	1
<b>Mississippi</b>	Counties along the Gulf of Mexico	MEMA District 9 Regional HMP	2017	No specific agency mentioned	2022	1 year	1	2	1
<b>Mississippi</b>	Counties along the Gulf of Mexico	Hancock		MEMA District 9 Regional HMP			1	2	1
<b>Mississippi</b>	Counties along the Gulf of Mexico	Harrison		MEMA District 9 Regional HMP			1	2	0
<b>Mississippi</b>	Counties along the Gulf of Mexico	Jackson		MEMA District 9 Regional HMP			1	2	0
<b>Alabama</b>	Counties along the Gulf of Mexico	Mobile	2016	Lehe Planning LLC	2020	1 year	2	2	0
<b>Alabama</b>	Counties along the Gulf of Mexico	Baldwin	2015	Lehe Planning LLC	2020	7 months	2	2	0
<b>Florida</b>	Counties along the Gulf of Mexico	Escambia	2015	No specific planning agency mentioned	2020		-		
<b>Florida</b>	Counties along the Gulf of Mexico	Santa Rosa	2016 (revised 2018)	No specific planning agency mentioned	2020	1 year	2	2	0
<b>Florida</b>	Counties along the Gulf of Mexico	Okaloosa (NA)					-		
<b>Florida</b>	Counties along the Gulf of Mexico	Walton	2015	No specific agency mentioned but states that the plan was prepared by Renee Bradley, Senior Planner,	2020	2 years	1	1	0

				Walton County Planning and Development Services Division					
<b>Florida</b>	Counties along the Gulf of Mexico	Bay (NA)					-		
<b>Florida</b>	Counties along the Gulf of Mexico	Gulf	2015	DSIdeas Group, LLC	2020		1	1	1
<b>Florida</b>	Counties along the Gulf of Mexico	Franklin	2015	No specific agency mentioned	2020		2	0-1	0
<b>Florida</b>	Counties along the Gulf of Mexico	Wakulla	2016	DSIdeas Group, LLC	2020	1 year	1-2	1	1
<b>Florida</b>	Counties along the Gulf of Mexico	Jefferson (NA)							
<b>Florida</b>	Counties along the Gulf of Mexico	Taylor	2015	No specific agency mentioned. Prepared by the Taylor County Department of Emergency Management.	2020	4 years	1	0	0
<b>Florida</b>	Counties along the Gulf of Mexico	Dixie	2010	Disaster Strategies and Ideas Group (DSI), LLC. Prepared by the Dixie County Emergency Services	2015	2 years	1	0	0
<b>Florida</b>	Counties along the Gulf of Mexico	Levy	2016	Technical Assistance for the preparation of this document was provided by The North Central Florida Regional Planning Council	2020		2	0	0
<b>Florida</b>	Counties along the Gulf of Mexico	Citrus	2020 Draft	Developed by the Citrus County Local Mitigation Strategy Working Group in Partnership with the Tampa Bay Regional Planning Council	2025	7 months	1	0	0
<b>Florida</b>	Counties along the Gulf of Mexico	Hernando	2015	Developed by the Hernando County Sheriff's Office Emergency Management (contact info on cover page)	2020	18 months	0	0	0

<b>Florida</b>	Counties along the Gulf of Mexico	Pasco	2019	No specific agency. Coordinated and Collated by the Pasco County Emergency Management	2024	4 years	2	2	1
<b>Florida</b>	Counties along the Gulf of Mexico	Pinellas	2015	The LMS was coordinated and the plan prepared by Pinellas County Planning Department with support from the Tampa Bay Regional Planning Council. The LMS was developed and approved by the overall Local Mitigation Strategy Working Group (at bottom of document)	2020	1 year	2	1-2	1
<b>Florida</b>	Counties along the Gulf of Mexico	Hillsborough	2015	No specific planning agency mentioned	2020		0	2	1
<b>Florida</b>	Counties along the Gulf of Mexico	Manatee	2014	No specific planning agency mentioned	2019		0	0	0
<b>Florida</b>	Counties along the Gulf of Mexico	Sarasota	2016	No specific planning agency mentioned	2021	2 years	0-1	0	0
<b>Florida</b>	Counties along the Gulf of Mexico	Charlotte	2015	No specific planning agency mentioned. Prepared by Charlotte County Local Mitigation Strategy Work Group	2020	1 year	2	0	0
<b>Florida</b>	Counties along the Gulf of Mexico	Lee	2017	No specific planning agency mentioned	2022	7 months	2	1	0
<b>Florida</b>	Counties along the Gulf of Mexico	Collier	2020	No specific planning agency mentioned	2025		2	0	0
<b>Florida</b>	Counties along the Gulf of Mexico	Monroe	2015	RCQuinn Consulting, Inc	2020	1 year	1	0	0

## Conclusion

By participating effectively in hazard mitigation planning, advocates can help create plans that advance non-structural investments in managing risks. Land trusts and other conservation organizations may also play a significant role in implementing hazard mitigation plans by identifying and carrying out projects that restore wetlands, create living shorelines, protect floodplains and aquifer recharge zones, restore and manage wildfire-resistant native vegetation, and other nature-based actions. These activities may be funded through a variety of funding sources, including FEMA hazard mitigation grants in some cases.

## Appendix A: All Relevant Actions by Category and State

We cataloged relevant individual actions into three categories, including actions related to preserving land, actions related to restoring habitats, and actions related to developing plans and programs.

### Preserve Land

#### Texas

- Brazoria Co., TX - Action P10: Preserve natural lands and green space to reduce the impacts of natural hazards. Up to 35,000 acres of land tracts could be purchased from willing sellers for their natural ecosystem services. Including floodwater storage, groundwater recharge, erosion control, drought mitigation, and wildfire damage reduction. The land will be converted to parks, wildlife management areas, community forests, and/or other public open spaces. (pg 255) In Partnership with The Trust for Public Land and voluntary partnering jurisdictions.
- Brazoria Co., TX - Action B5: Acquisition of seaward property and re-establish stabilizing vegetation. (pg 261) (Surfside Beach)
- Brazoria Co., TX - Action N12: Secure and develop Park land on and surrounding Lake Tenneco (pg 310)
- Brazoria Co., TX - Action N13: Acquire available three tracts of land adjacent to and near Brazos River County Park, develop and improve Park facilities and access (pg 311)
- Brazoria Co., TX - Action N16: Create a feeder beach for Follett's Island to slow the current erosion rate and protect wetlands in southeast Brazoria County. (pg 312)
- Chambers Co., TX - Action B2: Hydroaxing the entire length of Hackberry Gully and Cotton Bayou from South of I-10 to Cotton Lake. Clearing out invasive species as well as other vegetation that are currently restricting the flow of storm water. Phases 1 and 2 have been completed, the requested funds will complete phases 3 through 6, completing the project. The requested funds will also pay for acquisition of permanent easements on both sides of the complete length of the project area. (pg 104)
- Wharton Co., TX - Action 4: Acquire, reuse and preserve open spaces adjacent to flood prone areas. (pg 31) (City of Wharton, City Public Works Department)
- Hays Co., TX - Action 20: Land Conservation for Aquifer Recharge (pg 551) (City of San Marcos)
- Aransas Co., TX - Action: Purchase Gordon Stanley Pond (pg 210) (City of Rockport)

#### Louisiana

- Iberia Parish, LA - Action I14: Protect the lower planning area of the Parish from coastal erosion by creating marsh and shore protection at Weeks Bay. (pg 168)
- Jefferson Parish, LA - P-6: Increase Open Space Areas
- Jefferson Parish, LA - NRP-1: Increase coastal protection

- Vermilion Parish, LA - Action V37: Protect existing healthy marsh from extended periods of high salinity or high water levels; restore degraded marsh to benefit bird species in wetlands (pg 121)

## Mississippi

- Jackson Co., MS - Action NRP-2: Acquisition of natural wetlands for City of Gautier land conservation. 32-acre parcel north of Singing River Mall to be used as Town Green). (pg 160) (City of Gautier)
- Jackson Co., MS - Action NRP-3: Land acquisition for City of Gautier City Park Community Center-Phase 1. Improvements to City Park along Mary Walker Bayou. (pg 160) (City of Gautier)
- Jackson Co., MS - NRP 1: Preserve trees and vegetation on uninhabited properties to improve stormwater management/flood control. (pg 178) (City of Ocean Springs)
- Jackson Co., MS - NRP 2: Preserve natural/wetlands and riparian areas through acquisition or conservation easements. (pg 179) (City of Ocean Springs)
- Jackson Co., MS - Action P-7: Continue implementation of open space preservation. (pg 187) (City of Pascagoula)
- Harrison Co., MS - NRP-3: Encourage acquisition or donation of conservation easements and properties in environmentally sensitive areas
- Harrison Co., MS - P-4: Partner with the Land Trust for the Coastal Mississippi Plain to preserve open space. (City of Gulfport)
- Harrison Co., MS - NRP-2: Preserve and protect trees and vegetation on uninhabited properties to improve natural stormwater management and flood control processes.
- Hancock Co., MS - NRP-3: Support marsh re-nourishment and restoration by participating with coastal states to protect wetlands and marshes as protective barriers from storms. Actions may minimize storm surge.

## Alabama

- Baldwin Co., AL - 4.1.1: Increase open space acquisitions through the FEMA HMA Grant Programs and other flood plain acquisition efforts.
- Mobile Co., AL - 2.2.1: Pursue grant funds to acquire and demolish flood prone or substantially damaged structures and replace with permanent open space.
- Mobile Co., AL - 4.1.1: Increase open space acquisitions through the FEMA HMA Grant Programs and other flood plain acquisition efforts.

## Florida

- Pasco Co., FL - Project 74: Acquire properties adjacent to river and Celtic Dr to establish a canoe/kayak launch site with riverfront park
- Pasco Co., FL - Project 78: Purchase Mickler property located along the Gulf of Mexico to protect wildlife and enhance floodplain (pg 7)
- Pasco Co., FL - Project 79: Purchase Boger Coastal property because it is located in a coastal high hazard area and it will protect wildlife and floodplains. (pg 7)
- Pasco Co., FL - Project 80: Purchase Castriota property located in a Critical Linkage to protect wildlife and floodplains

- Pasco Co., FL - Project 227: Acquire a parcel of 158 acres of wetlands along the Anclote River. This will serve as a buffer north of the Anclote River as increased floodplain
- Santa Rosa Co., FL - Action 24: Maintain and enforce designation of Coastal Barrier Resources Act (CBRA) property.
- Santa Rosa Co., FL - Action 30. Consider acquisition of natural areas for parks or open space.
- Santa Rosa Co., FL - Action 40: Consider expansion of the County's properties that are designated natural and beneficial areas.
- Santa Rosa Co., FL - Action 41: Encourage designation, protection and maintenance of wetlands as identified in the Comprehensive Plan and Land Development Code.
- Wakulla Co., FL - Project 2: Crawfordville Area stormwater study & mitigation (ph. 2) Acquisition of land & project implementation to address Crawfordville Area storm water issues
- Wakulla Co., FL - Project 3: Drainage in Panacea Areas west of 98 in Panacea are prone to freshwater flooding. Cross drains and/or storage areas need to be identified and implemented to mitigate the impacts of flooding. Solution must not make the areas more vulnerable to storm surge. Study, acquisition of land, & implementation of storm water detention projects
- Wakulla Co., FL - Project 5: Wakulla Gardens subdivision storm water mitigation Study, acquisition of land, & implementation of storm water detention projects
- Wakulla Co., FL - Project 9: Magnolia Gardens & Griner's Addition subdivision storm water mitigation Study, acquisition of land, & implementation of storm water detention projects
- Wakulla Co., FL - Project 11: Drainage along Surf Road Areas along Surf Road are prone to flooding. Cross drains and/or storage areas need to be identified and implemented to mitigate flooding. Solution must not make the areas more vulnerable to storm surge. Study, acquisition of land, & implementation of storm water detention projects/ cross drains
- Wakulla Co., FL - Project 18: Sopchoppy stormwater mitigation Study, acquisition of land, & construction of detention ponds for storm water retention
- Wakulla Co., FL - Project 26: Acquisition of severe repetitive loss properties for open space Acquisition of properties & demolition of structures on SRL list for permanent open space
- Walton Co., FL - Action: Promote the natural functions of wetlands and require that an impact on wetlands due to development be appropriately addressed or mitigated in kind
- Hillsborough Co., FL - Project 107.3: Shoreline acquisition [area recently developed] Also, include LaMP in Mango. (pg 13)
- Hillsborough Co., FL - Project 109.4: Acquire/improve 90 acres for wildlife habitat. Contains three disturbed wetlands. Create shallow foraging pond for Ibis, and passive recreational/educational area. (pg 16)

## Restoration

### Texas

- Brazoria Co., TX - Action N3: Implement dune and beach restoration to protect county beach areas between Surfside Beach and San Luis Pass (pg 306)
- Brazoria Co., TX - Action N5: Develop and implement a beach nourishment project on each jurisdiction's shoreline to mitigate the effects of coastal erosion. (pg 257)
- Galveston Co., TX - JB 2006-1: Implement beach and dune restoration program (pg 306) (Jamaica Beach) (City staff and council)



- Matagordo Co., TX - Action 7: Plant dune vegetation seaward and strengthen dunes. The County will work with Commissioner's Court, Beach Dune Committee and Emergency Management for specific sections of the beach. (pg 29) (Emergency Management)
- Montgomery Co, TX - Action E-5: Improvements to two water channels within the city. Anders Branch and Town Creek. Physical improvements to both waterways. (pg 185) (City of Montgomery)
- Wharton Co., TX - Action 9: Design and construct flood-use stream restoration/ channelization projects. Flood protection for existing structures and also encouragement for the development of new structures. (pg 32) (City of Wharton, Planning Department)
- Guadalupe River Authority - Action 36: Acquire, conserve and utilize easements to prevent development of known hazard areas. (pg 277)
- Comal Co., TX - Action 8: Remediate repetitive losses along the Guadalupe River by acquiring flood damaged structures and converting acquired land to open (green) space. (pg 160)
- Hays Co., TX - Action 28: Selection of a municipal park where all or a portion of the site may be restored to a natural grassland or woodland. (pg 397) (City of Kyle)
- Hays Co., TX - Action 29: For improved drainage and public recreation, this project also called a Riparian Corridor Land Assembly will be a project that interconnects greenways into a trail system that connects across Kyle. (pg 397) (City of Kyle)
- Victoria Co., TX - Action 9: Implement a stream restoration/channelization program to ensure adequate drainage/diversion of storm water, throughout various county low water crossings, streambeds, creek sheds, tributaries, and riverine areas. (pg 148)
- Aransas Co., TX - Action: St. Charles Bay Shoreline/Lamar Beach Road (and shell ridge road)(and Newcomb's point) - the creation of new habitat will provide erosion protection improvements (pg 179) (pg 190) (pg 191)
- Aransas Co., TX - Action: Little Bay Hydraulic Restoration - remove sediment from the bay and use it for nourishment and habitat restoration projects. The project will protect habitat from coastal erosion and improve the ecotourism economy (pg 212) (City of Rockport)
- Cameron Co., TX - Action 10: Work with General Land Office to develop a living coastline constructed from natural materials derived from regional materials such as rock and seagrass (pg 139)
- Jefferson Co., TX - Action 6: Restore sand dunes to protect inland resources during storm surge events. (pg 397)
- Nueces Co., TX - Action 26: This action is to create a plan to preserve the unique ecosystems encompassing Hazel Bazemore Park by restoring the park's natural resources through the mitigation and protection of its habitat while concurrently providing public access and ecotourism opportunities for park patrons. The objectives of the proposed project are to implement an environmentally engineered plan by executing erosion control techniques, constructing riverbank stabilization, remediation of native vegetation, providing public access through timber walkways and nature overlooks; and protecting and preserving the habitat through interpretive signage educating the public. (pg 372)
- Nueces Co., TX - Action 23: This project is to restore, enhance and expand an existing wetland in the Corpus Christi Beach area by excavating an upland area and creating a hydrologic connection between the wetlands and Corpus Christi Bay. The connection will create a mix of tidal and fresh water and increase the environment available to aquatic species. Educational and informational signs will inform the public about the environment and the ecological value of

wetlands and create public awareness to further promote the conservation and protection of the area. (pg 374)

- Harris Co., TX - Action NAS28 (City of Nassau Bay) – Develop a Shoreline Management Plan (pg 451)
- Harris Co., TX - Action PAS8 (City of Pasadena) — Flood control and drainage improvements. • Improve drainage easements by expanding the slopes, banks and drainage structures. • Expand and protect current bayou environment associated with riverine flood to mitigate city's threat from flooding. • Construction of floodwalls, detention and retention basins, spillways and other related structures. • Hydrological routing • Right of Way Flood Mitigation • Projects Golden Acres Wastewater Treatment Plant Elimination (pg 475)

## Louisiana

- Iberia Parish, LA - Action I15: This project is designed to re-create brackish marsh habitat in open water areas of the interior marsh primarily caused by hurricane damage. (pg 168)
- Iberia Parish, LA - Action I16: Vermilion Bay Shoreline Restoration (pg 168)
- Iberia Parish, LA - Action I14: Protect the lower planning area of the Parish from coastal erosion by creating marsh and shore protection at Weeks Bay. (pg 169)
- Jefferson Parish, LA - NRP-2: Build back march (pg 292)
- Jefferson Parish, LA - NRP-2: Revitalize wetlands to protect City from surge (pg 303) (City of Gretna)
- Jefferson Parish, LA - NRP-1: Use debris (fallen trees) after a strong hurricane for coastal restoration (like Christmas tree project) (Town of Grand Isle) (pg 341)
- Jefferson Parish, LA - NRP-3: Natural Shoreline/ Dune Restoration (Town of Grand Isle) (pg 342)
- Orleans Parish, LA - Action 4: Citywide Enhancements to Street Drainage. This project will provide \$500K-\$2 million in green infrastructure enhancement such as curb cutouts, green sidewalks, above and below ground storage tanks, and neutral ground enhancements to the FEMA Recovery Roads pavement restoration and waterline replacement projects and bond funded reconstruction projects in the Gentilly District. This product will benefit the entire city. This product includes a component for groundwater monitoring and sewerage pumping data collection. (pg 242)
- Orleans Parish, LA - Action 6: St. Roch Streetscape Improvements by the Sewerage and Water Board. The primary problem this activity will address is repetitive flooding. Approximately 540 properties in the area suffer repetitive damage. It will also improve the water quality of Lake Pontchartrain. The project will upgrade drainage ditches as well as provide green infrastructure enhancements to better manage groundwater. There is also a subsidence monitoring component. This project will reduce pressure on the existing piping system. Benefits of this project will include beautification, improved recreational areas, flood mitigation, and social cohesion. (243)
- Orleans Parish, LA - Action 7: Mirabeau Water Park. The project will daylight 1/3 flow of neighborhood trunk line into the water park to store/cleanse/alleviate pressure on Pump Station #14 during peak flow periods. This project will address repetitive flood and sending untreated polluted water to Lake Pontchartrain. This project will provide benefits to over 3,000 acres, 3717 homes and businesses. It will provide improved water quality, habitat creation,

recreation, and serve as an economic development opportunity. This project will support nearby streetscape enhancements. (pg 244)

- Orleans Parish, LA - Action 9: Pontilly Project. Scattered site green infrastructure interventions including increasing the capacity of and improving flow to the Dwyer canal, vacant lots graded and planted to detain stormwater, bioswales, and curb bumpouts. This project will benefit residents in the Pontchartrain and Gentilly Woods neighborhoods. These projects will decrease flood risk but will also provide recreational space, beautify the neighborhood, rebalance the real estate market by taking surplus properties off the market, improve walkability, and increase community pride. (pg 246)
- Orleans Parish, LA - Action 11: Install rain gardens and storm water runoff filtration and water retention systems along streets to reduce subsidence and flooding. Develop and advocate the necessary site design and landscape standards for streets, neighborhoods, and building sites. (pg 247)
- Orleans Parish, LA - Action 1: The Golden Triangle Marsh Creation Project will build over 600 acres of marsh. The marsh will function as support for the Inner Harbor Navigation Canal – Lake Borgne Surge Barrier increasing flood protection for nearby communities. The Golden Triangle Marsh Creation Project creates marsh within the boundaries of Bayou Savage, the largest urban wildlife refuge in the United States, leading to an increase in the refuge’s wildlife and fish habitat (pg 251)
- Orleans Parish, LA - Action 2: The Biloxi Marsh Living Shoreline Project. The Biloxi Marshes consist of approximately 49,000 hectares of brackish and salt marshes, which provide important storm buffer for New Orleans as well as key habitat and ecosystem services. The marshes have been greatly impacted by shoreline erosion from wind-driven waves. The proposed Biloxi Marsh Living Shoreline project, if implemented in the future, would create approximately 47,000 feet of bioengineered oyster barrier reef fringing the marshes, which would reduce shoreline erosion and recession, prevent further marsh degradation, promote community resilience, and enhance local fisheries and oyster production. (pg 251)
- Orleans Parish, LA - Action 7: Restore protective wetlands near Fort Pike (pg 254)
- Plaquemines Parish, LA - Action 2.3.1: Restore marshland. (pg 74)
- Plaquemines Parish, LA - Action 2.3.2: Create man-made and natural barriers to coastal erosion. (pg 75)
- St. Mary’s Parish, LA - Action 6.4.1: Increase Sediment Transport from Atchafalaya Rive down Wax Lake Outlet for marsh enhancement and restoration (pg 85)
- Tammany Parish, LA - STP30: The West St. Tammany Shoreline Protection project is a 24,773 linear foot project. The goal of this project is the restoration of 15,677 feet of shoreline and the protection of 9106 feet shoreline. (pg 179)
- Tammany Parish, LA - STP31: Guste Island Marsh Creation project is a 685 acre marsh creation project. The goal of this project is the restoration of 651 acres of marsh as well as the nourishment of 34 acres of stressed marsh land. (pg 179)
- Tammany Parish, LA - STP32: The Bayou Cane Marsh Creation project is a 4,117 acre marsh creation project. The goal of this project is the restoration of 850 acres of low salinity marsh as well as the nourishment of 3,293 acres of stressed marsh land (pg 179)

- Tammany Parish, LA - STP33: The Faciane Canal Marsh Creation project is a 2,853 acre marsh creation project. The goal of this project is the restoration of 1,997 acres of low salinity marsh as well as the nourishment of 630 acres of stressed marsh land. (pg 179)
- Tammany Parish, LA - STP34: The Bayou Lacombe Marsh Creation project is a 3,114 acre marsh creation project. The goal of this project is the restoration of 623 acres of low salinity marsh as well as the nourishment of 2,336 acres of stressed marsh land (pg 180)
- Tammany Parish, LA - STP35: The Fritchie North Marsh Creation project is a 4,395 acre marsh creation. The goal of this project is the restoration of 2,417 acres of marsh as well as the nourishment of 1,997 acres of stressed marsh land. (pg 180)
- Terrebonne Parish, LA - Action 1.5.1: Pursue approvals and funding for coastal restoration projects such as sediment diversions to reduce land subsidence in coastal areas (pg 122)
- Terrebonne Parish, LA - Action 4.2.6: Research partners and low tech or low cost alternatives for marsh, coastal or shoreline protection or restoration programs to reduce harm from all hazards. (pg 127)
- Vermilion Parish, LA - Action V11: Marshland project implementation to mitigate against coastal land loss. (pg 116)
- Vermilion Parish, LA - Action V33: Shoreline protection through rock breakwaters of approximately 21,000 feet of Schooner Bayou Canal bankline from Highway 82 to North Prong, to benefit preservation of shoreline integrity and reduction of wetland degradation (pg 120)
- Vermilion Parish, LA - Action V38: Prevent further wetland loss through reduction of bank erosion and subsequent tidal scour of shoreline marshes as well as to enhance the biodiversity of the project area with the creation of Oyster Reefs. Phase II will complete construction of remaining 2,855 linear feet. (pg 121)
- Vermilion Parish, LA - Action V43: Prevent further wetland loss through reduction of bank erosion and subsequent tidal scour of shoreline marshes as well as to enhance the biodiversity of the project area with the creation of Oyster Reefs. Phase I and II will complete the construction of the remaining 4,190 linear feet of oyster reef/shoreline protection designed in Phase I. (pg 122)

## Mississippi

- Jackson Co., MS - NRP 3: Extend sand beach additional 100 feet to the east and stabilize with plantings (pg 179) (City of Ocean Springs)
- Jackson Co., MS - NRP 4: Request that Jackson County continue dune propagation in areas along East Beach and Front Beach. (pg 179) (City of Ocean Springs)
- Harrison Co., MS - NRP-4: Encourage dune propagation in areas where the seawall is below 10 feet (NGVD).
- Harrison Co., MS - NRP-2: Support marsh restoration efforts. (pg 194) (City of Gulfport)
- Harrison Co., MS - NRP-3: Support the restoration of the barrier islands. (pg 194) (City of Gulfport)
- Harrison Co., MS - NRP-3: Work with the Harrison County Sand Beach Authority to continue dune propagation in areas along the beach where the seawall is below 10 foot in elevation.
- Hancock Co., MS - NRP-4: Restore barrier islands.
- Hancock Co., MS - NRP-3: Dredge Jackson Marsh to restore wetlands and help reduce flooding.

## Alabama

- Baldwin Co., AL - 1.9.3: Establish urban forestry program to help mitigate storm water runoff common in areas with large impervious surfaces.
- Baldwin Co., AL - 4.4.1: Restore and protect wetlands to enhance storm water drainage.
- Baldwin Co., AL - 4.4.2: Develop a coastal re-nourishment program.
- Mobile Co., AL - 4.3.3: Develop an urban forestry management plan to ensure a progressive urban forestry program aimed at increasing forestry canopy, increased safety and planting hurricane resistant tree species.
- Mobile Co., AL - 4.4.1: Restore and protect wetlands to enhance storm water drainage.
- Mobile Co., AL - 4.4.2: Develop a coastal renourishment program.

## Florida

- Franklin Co., FL - Project 8: Continue to plant vegetation along the county's coastal region to reduce erosion, enhance the formation of sand dunes and to protect roads from washouts.
- Franklin Co., FL - Project 15: Protect and improve functioning of wetlands and waterways by control or elimination of invasive plants.
- Gulf Co., FL - Action 2: County wide beach nourishment and dune restoration with an emphasis on the Stump Hole and St. Joseph Peninsula areas. (pg 79)
- Gulf Co., FL - Action 6: Protect the shoreline where US Highway 98 washes out in the Highland View Community area and along the Constitution Drive area of Port St. Joe.
- Pasco Co., FL - Project 188: Restore original drainage patterns in the City and Regional Area in the Dade Oaks Community to allow for a new pond system function naturally and eliminate need of stormwater pumps and flooding
- Pinellas Co., FL - Action: Alligator Lake Habitat Restoration (845) Comprehensive ecosystem restoration project for wetland and upland creation and enhancement and stormwater polishing. (PC Parks & Conservation Resources)
- Pinellas Co., FL - Action: Boardwalk and Restoration of Wetlands - Performing Arts Center/England Brothers Park Design work to improve drainage and natural functions of floodplain
- Lee Co., FL - Billy Creek Restoration – Fort Myers (pg 144)
- Lee Co., FL - Caloosahatchee Shoreline – Fort Myers (pg 144)
- Lee Co., FL - Citywide Lake Rehabilitation – Fort Myers
- Lee Co., FL - Dredging and Restoration of the Sanibel Slough System - Sanibel
- Lee Co., FL - Living Shoreline Projects – Sanibel (pg 144)
- Lee Co., FL - Captiva Island Beach Restoration Project – Lee County (pg 146)
- Lee Co., FL - Gasparilla Island Beach Restoration Project – Lee County (pg 146)
- Hillsborough Co., FL - Project 106.4: Regrading and replanting streambank. Support invasive species removal and agricultural BMPs. (pg 12)
- Hillsborough Co., FL - Project 106.6: Replace invasive shoreline vegetation with native plants. (pg 12)
- Hillsborough Co., FL - Project 106.7: Use ditch blocks to restore wetland hydroperiod for group of existing wetlands. (pg 12)

- Hillsborough Co., FL - Project 106.8: Enhance existing wetland south of Fletcher Avenue. (pg 12)
- Hillsborough Co., FL - Project 106.9: Enhance existing wetland at USF golf course. (pg 12)
- Hillsborough Co., FL - Project 107: Enhance existing wetland south of Bruce B. Downs Boulevard.
- Hillsborough Co., FL - Project 107.1: Enhance existing wetland east of 56th Street.
- Hillsborough Co., FL - Project 107.6: Divert flow to borrow pit to create 15 acre pond. Also, create 2-5 acre marsh
- Hillsborough Co., FL - Project 108: Install ditch blocks and excavate to increase existing wetland hydroperiod. (pg 14)
- Hillsborough Co., FL - Project 108.6: Create large marsh and divert flow to existing pond.
- Hillsborough Co., FL - Project 108.7: Regrade and replant streambank. Invasive species and agricultural BMP effort. (pg 15)
- Hillsborough Co., FL - Project 108.9: Purchase 5 parcels and create 13.5 acre detention pond and wetlands. (pg 15)
- Hillsborough Co., FL - Project 109.1: Create large marsh in-line or off-line.
- Hillsborough Co., FL - Project 109.3: Regrading and replanting streambank. Support invasive species removal and agricultural BMPs. (pg 16)
- Hillsborough Co., FL - Project 109.6: Remove nuisance vegetation and plant native understory to reduce erosion and improve wildlife habitat. (pg 16)
- Hillsborough Co., FL - Project 110: Expand existing 30 acre wetland to create 60 acre stormwater treatment area and culvert replacement.
- Hillsborough Co., FL - Project 110.3: Replant west shoreline with aquatic plants to aid in shifting the trophic structure of the lake from a phytoplankton dominated system to an emergent/submerged aquatic plant dominated system (pg 17)
- Hillsborough Co., FL - Project 110.4: Regrade existing channel north of Floral Drive to Lakewood/Iris Avenue and restore/create wetland riparian habitat along the channel. (pg 17)
- Hillsborough Co., FL - Project 111.3: Restore 1,100 acres [acquired former pasture] to provide habitat based on soils and historic aerials. Restore to pine flatwoods and hardwood hammocks. (pg 19)
- Hillsborough Co., FL - Project 111.7: Restore approx. 50 acres of wet pasture to herbaceous wetlands. (pg 19)
- Hillsborough Co., FL - Project 111.9: Restore hydroperiod of impacted 40 acre wetland. (pg 20)
- Hillsborough Co., FL - Project 112.1: Develop stormwater wetland system in the portion of property used for agriculture and integrate it with the adjacent natural systems. Design system to provide stormwater treatment for flows equivalent to one inch from the S. (pg 20)
- Hillsborough Co., FL - Project 112.8: Construct culvert for wildlife underpass on two roadways near Balm-Boyette Scrub.
- Hillsborough Co., FL - Project 112.9, 113, 113.1, 113-3 -7: Invasive species removal and native planting.
- Hillsborough Co., FL - Project 113.2: Expand canal to increase size of redfish nursery.

## Plan or Program

## Texas

- Brazoria Co., TX - Action B4: Develop and implement a shoreline protection program. (pg 261) (Surfside Beach)
- Harris Co., TX - Action NAS28 (City of Nassau Bay) – Develop a Shoreline Management Plan (pg 451)
- Comal Co., TX - Action 2: Adopt and implement a “green infrastructure” program for parks, nature preserves and greenbelts throughout the city. (pg 174) (Bulverde)
- Hay Co., TX - Action 18: Enhancement on existing Parks program item that placed riparian zone signs in areas where park land vegetation is left natural. Action would map the points of the sign placement using GIS. (pg 393) (City of Kyle)
- Aransas Co., TX - Create a countywide wetlands preservation plan
- Cameron Co., TX - Action 6: Work with General Land Office to develop and implement a dune restoration plan to protect roads and minimize washouts from flooding and tidal surge (pg 135)

## Louisiana

- Jefferson Parish, LA - FP-2: Update Stormwater Management Regulations (ex. compensatory storage for new construction, drainage study with new development, program for rain garden/green infrastructure incentives, permeable surface requirements, sewer backup/overflow protection program) (pg 289)
- Orleans Parish, LA - Action 3: Work with the EPA to develop and implement the Gulf of Mexico Conservation Enhancement Grant Program (GMCEGP), a funding assistance opportunity to enhance private/public partnerships that support land protection and conservation across the Gulf Coast region. This program would be available to land conservation organizations such as land trusts, non-governmental organizations (NGOs), and state land preservation agencies across the Gulf of Mexico region through a competitive grant selection process. Two categories of activities: Category 1 is the solicitation and approval of designs submitted to a competition that EPA will under the program; Category 2 is proposed for potential future funding and would allow for the implementation of the planning project. (pg 252)
- Orleans Parish, LA - Action 4: Gulf of Mexico Habitat Restoration via Conservation Corps Partnership Program to recruit and train local workers in a variety of habitat restoration techniques and provide paid, hands-on work experience in on-the-ground restoration projects. These jobs vary depending upon the scope of the project, but can include operators, machinists, welders, surveyors, and a variety of laborers, (pg 253)
- Orleans Parish, LA - Action 8: Develop Parish wetlands regulations that provide the intent of the regulation for flood storage. (pg 254)
- Orleans Parish, LA - Action 20: Incorporate climate change impacts into all planning. (pg 264)
- St. Mary’s Parish, LA - Action 4.2.1: Participate in existing programs at the state and federal levels oriented to environmental enhancement and conservation (pg 82)
- Terrebonne Parish, LA - Action 4.2.1: Participate in existing programs at the state and federal levels oriented to environmental enhancement and conservation (pg 126)

## Mississippi

- Jackson Co., MS - Action P-9: Conduct a study of the effects of sea level rise and develop mitigation strategies to minimize those effects. (pg 131)
- Harrison Co., MS - P-9: Develop local, city, and county wetlands regulations that provide the “intent” of the regulations for flood storage (available for CRS credit).
- Hancock Co., MS - NRP-2: Develop and implement a plan in an effort to protect and maintain the natural marshes and other barriers.

## Alabama

- Baldwin Co., AL - Action 1.1.1: Maintain up-to-date comprehensive plans for all jurisdictions. Each plan should address natural hazards exposure and include long-term disaster resistance measures. The vulnerability and environmental suitability of lands for future development should be clearly addressed. Local plans should assess the vulnerability of designated hazard areas and encourage open space planning to create amenities for recreation and conservation of fragile resources. (pg 337)
- Baldwin Co., AL - 1.4.3: Require delineation of flood plain fringe, floodways, and wetlands on all plans submitted with a permit for development within a flood plain. (pg 340)
- Baldwin Co., AL - 1.5.1: Examine regulatory options and feasibility of requiring open space areas for recreation, landscaping, and drainage control.
- Baldwin Co., AL - 4.2.1 Keep builders and developers informed of Federal wetlands permitting requirements of the Corps of Engineers.
- Mobile Co., AL - 1.1.1: Maintain up-to-date comprehensive plans for all jurisdictions. Each plan should address natural hazards exposure and include long-term disaster resistance measures. The vulnerability and environmental suitability of lands for future development should be clearly addressed. Local plans should assess the vulnerability of designated hazard areas and encourage open space planning to create amenities for recreation and conservation of fragile resources.
- Mobile Co., AL - 1.4.3: Require delineation of flood plain fringe, floodways, and wetlands on all plans submitted with a permit for development within a flood plain.
- Mobile Co., AL - 1.5.1: Examine regulatory options and feasibility of requiring open space areas for recreation, landscaping, and drainage control.
- Mobile Co., AL - 4.2.1 Keep builders and developers informed of Federal wetlands permitting requirements of the Corps of Engineers.

## Florida

- Pinellas Co., FL - Action: Carry out environmental lands acquisition program, coastal management programs, and applicable land development regulations; i.e. community sea oat planning activities, and community beach clean-up efforts.
- Pinellas Co., FL - Action: Continue programs that acquire environmentally-sensitive lands and flood-prone properties in conjunction with stormwater management projects.



## Appendix B: Model Examples

We identified a number of model examples of mitigation strategies. We categorized these into a number of categories, including:

- Actions that identify specific projects
- Actions that identify less detailed specific projects
- Actions that are explicitly related to wildlife/biodiversity
- Actions that would support development of future projects
- Actions that encourage participation in or support for State or Federal Programs
- Actions related to partnerships
- Actions to develop wetland protection regulations
- Actions related to other planning or regulatory options

These actions may serve as particularly good examples for other communities that are interested in incorporating nature-based actions in their mitigation action plans.

### Actions that identify specific projects

- Brazoria Co., TX - Action P10: Preserve natural lands and green space to reduce the impacts of natural hazards. Up to 35,000 acres of land tracts could be purchased from willing sellers for their natural ecosystem services. Including floodwater storage, groundwater recharge, erosion control, drought mitigation, and wildfire damage reduction. The land will be converted to parks, wildlife management areas, community forests, and/or other public open spaces. (pg 255) In Partnership with The Trust for Public Land and voluntary partnering jurisdictions.
- Nueces Co., TX identifies a couple of specific projects –
  - Action 26: This action is to create a plan to preserve the unique ecosystems encompassing Hazel Bazemore Park by restoring the park's natural resources through the mitigation and protection of its habitat while concurrently providing public access and ecotourism opportunities for park patrons. The objectives of the proposed project are to implement an environmentally engineered plan by executing erosion control techniques, constructing riverbank stabilization, remediation of native vegetation, providing public access through timber walkways and nature overlooks; and protecting and preserving the habitat through interpretive signage educating the public. (pg 372);
  - Action 23: This project is to restore, enhance and expand an existing wetland in the Corpus Christi Beach area by excavating an upland area and creating a hydrologic connection between the wetlands and Corpus Christi Bay. The connection will create a mix of tidal and fresh water and increase the environment available to aquatic species. Educational and informational signs will inform the public about the environment and the ecological value of wetlands and create public awareness to further promote the conservation and protection of the area. (pg 374)
- Orleans Parish, LA –
  - Action 1: The Golden Triangle Marsh Creation Project will build over 600 acres of marsh. The marsh will function as support for the Inner Harbor Navigation Canal – Lake Borgne Surge Barrier increasing flood protection for nearby communities. The Golden Triangle

Marsh Creation Project creates marsh within the boundaries of Bayou Sauvage, the largest urban wildlife refuge in the United States, leading to an increase in the refuge's wildlife and fish habitat (pg 251)

- Orleans Parish, LA - Action 2: The Biloxi Marsh Living Shoreline Project. The Biloxi Marshes consist of approximately 49,000 hectares of brackish and salt marshes, which provide important storm buffer for New Orleans as well as key habitat and ecosystem services. The marshes have been greatly impacted by shoreline erosion from wind-driven waves. The proposed Biloxi Marsh Living Shoreline project, if implemented in the future, would create approximately 47,000 feet of bioengineered oyster barrier reef fringing the marshes, which would reduce shoreline erosion and recession, prevent further marsh degradation, promote community resilience, and enhance local fisheries and oyster production. (pg 251)

### Actions that identify less detailed specific projects

- Pasco Co. identifies a number of specific projects:
  - Project 74: Acquire properties adjacent to river and Celtic Dr to establish a canoe/kayak launch site with riverfront park;
  - Project 78: Purchase Mickler property located along the Gulf of Mexico to protect wildlife and enhance floodplain (pg 7);
  - Project 79: Purchase Boger Coastal property because it is located in a coastal high hazard area and it will protect wildlife and floodplains. (pg 7);
  - Project 80: Purchase Castriota property located in a Critical Linkage to protect wildlife and floodplains;
  - Project 227: Acquire a parcel of 158 acres of wetlands along the Anclote River. This will serve as a buffer north of the Anclote River as increased floodplain
- Jackson Co., MS - Action NRP-2: Acquisition of natural wetlands for City of Gautier land conservation. 32-acre parcel north of Singing River Mall to be used as Town Green). (pg 160) (City of Gautier)
- Tammany Parish, LA has a number of actions
  - STP30: The West St. Tammany Shoreline Protection project is a 24,773 linear foot project. The goal of this project is the restoration of 15,677 feet of shoreline and the protection of 9106 feet shoreline. (pg 179);
  - STP31: Guste Island Marsh Creation project is a 685 acre marsh creation project. The goal of this project is the restoration of 651 acres of marsh as well as the nourishment of 34 acres of stressed marsh land. (pg 179);
  - STP32: The Bayou Cane Marsh Creation project is a 4,117 acre marsh creation project. The goal of this project is the restoration of 850 acres of low salinity marsh as well as the nourishment of 3,293 acres of stressed marsh land (pg 179);
  - STP33: The Faciane Canal Marsh Creation project is a 2,853 acre marsh creation project. The goal of this project is the restoration of 1,997 acres of low salinity marsh as well as the nourishment of 630 acres of stressed marsh land. (pg 179);
  - STP34: The Bayou Lacombe Marsh Creation project is a 3,114 acre marsh creation project. The goal of this project is the restoration of 623 acres of low salinity marsh as well as the nourishment of 2,336 acres of stressed marsh land (pg 180);

- STP35: The Fritchie North Marsh Creation project is a 4,395 acre marsh creation. The goal of this project is the restoration of 2,417 acres of marsh as well as the nourishment of 1,997 acres of stressed marsh land. (pg 180)
- Hillsborough Co., FL identified a number of specific projects
  - Project 106.8: Enhance existing wetland south of Fletcher Avenue. (pg 12);
  - Project 106.9: Enhance existing wetland at USF golf course. (pg 12);
  - Project 107: Enhance existing wetland south of Bruce B. Downs Boulevard.;
  - Project 107.1: Enhance existing wetland east of 56th Street.

#### Actions that are explicitly related to wildlife/biodiversity

- Hillsborough Co., FL - Project 109.4: Acquire/improve 90 acres for wildlife habitat. Contains three disturbed wetlands. Create shallow foraging pond for Ibis, and passive recreational/educational area. (pg 16);
- Vermilion Parish, LA - Action V43: Prevent further wetland loss through reduction of bank erosion and subsequent tidal scour of shoreline marshes as well as to enhance the biodiversity of the project area with the creation of Oyster Reefs. Phase I and II will complete the construction of the remaining 4,190 linear feet of oyster reef/shoreline protection designed in Phase I. (pg 122);

#### Actions that would support development of future projects

- Terrebonne Parish, LA - Action 1.5.1: Pursue approvals and funding for coastal restoration projects such as sediment diversions to reduce land subsidence in coastal areas (pg 122)
- Terrebonne Parish, LA - Action 4.2.6: Research partners and low tech or low cost alternatives for marsh, coastal or shoreline protection or restoration programs to reduce harm from all hazards. (pg 127)

#### Actions that encourage participation in or support for State or Federal Programs

- Orleans Parish, LA - Action 3: Work with the EPA to develop and implement the Gulf of Mexico Conservation Enhancement Grant Program (GMCEGP), a funding assistance opportunity to enhance private/public partnerships that support land protection and conservation across the Gulf Coast region. This program would be available to land conservation organizations such as land trusts, non-governmental organizations (NGOs), and state land preservation agencies across the Gulf of Mexico region through a competitive grant selection process. Two categories of activities: Category 1 is the solicitation and approval of designs submitted to a competition that EPA will under the program; Category 2 is proposed for potential future funding and would allow for the implementation of the planning project. (pg 252)
- Orleans Parish, LA - Action 4: Gulf of Mexico Habitat Restoration via Conservation Corps Partnership Program to recruit and train local workers in a variety of habitat restoration techniques and provide paid, hands-on work experience in on-the-ground restoration projects. These jobs vary depending upon the scope of the project, but can include operators, machinists, welders, surveyors, and a variety of laborers, (pg 253)
- St. Mary's Parish and Terrebonne Parish, LA - Action 4.2.1: Participate in existing programs at the state and federal levels oriented to environmental enhancement and conservation (pg 82)

- Santa Rosa Co., FL - Action 24: Maintain and enforce designation of Coastal Barrier Resources Act (CBRA) property.

#### Actions related to partnerships

- Harrison Co., MS - P-4: Partner with the Land Trust for the Coastal Mississippi Plain to preserve open space. (City of Gulfport)

#### Actions to develop wetland protection regulations

- Orleans Parish, LA - Action 8: Develop Parish wetlands regulations that provide the intent of the regulation for flood storage. (pg 254)
- Aransas Co., TX - Create a countywide wetlands preservation plan
- Harrison Co., MS - P-9: Develop local, city, and county wetlands regulations that provide the “intent” of the regulations for flood storage (available for CRS credit).
- Baldwin and Mobile Cos., AL - 1.4.3: Require delineation of flood plain fringe, floodways, and wetlands on all plans submitted with a permit for development within a flood plain. (pg 340)
- Baldwin Co., AL - 4.2.1 Keep builders and developers informed of Federal wetlands permitting requirements of the Corps of Engineers.

#### Actions related to planning or regulatory options

- Hancock Co., MS - NRP-2: Develop and implement a plan in an effort to protect and maintain the natural marshes and other barriers.
- Baldwin Co., AL - 1.5.1: Examine regulatory options and feasibility of requiring open space areas for recreation, landscaping, and drainage control.

Appendix C: All Plan Summaries

<b>HGAC COUNTIES</b>	<b>33</b>
<b>Austin County</b>	<b>33</b>
<b>Brazoria County</b>	<b>35</b>
<b>Chambers County</b>	<b>37</b>
<b>Colorado County</b>	<b>39</b>
<b>Fort Bend County</b>	<b>41</b>
<b>Galveston County</b>	<b>51</b>
<b>Harris County</b>	<b>52</b>
<b>Liberty County</b>	<b>57</b>
<b>Matagorda County</b>	<b>59</b>
<b>Montgomery County</b>	<b>61</b>
<b>Walker County</b>	<b>63</b>
<b>Waller County</b>	<b>64</b>
<b>Wharton County</b>	<b>66</b>
<b>GUADALUPE RIVER BASIN</b>	<b>68</b>
<b>Guadalupe River Authority</b>	<b>68</b>
<b>Comal County</b>	<b>70</b>
<b>Hays County</b>	<b>74</b>
<b>Kendall County</b>	<b>81</b>
<b>Victoria County</b>	<b>83</b>
<b>TEXAS</b>	<b>86</b>
<b>Aransas County</b>	<b>86</b>
<b>Cameron County</b>	<b>88</b>
<b>Jefferson County (Texas)</b>	<b>90</b>
<b>Nueces County</b>	<b>94</b>

<b>San Patricio County</b>	<b>97</b>
<b>LOUISIANA</b>	<b>100</b>
<b>Cameron Parish</b>	<b>100</b>
<b>Iberia Parish</b>	<b>102</b>
<b>Jefferson Parish</b>	<b>104</b>
<b>Lafourche Parish</b>	<b>108</b>
<b>Orleans Parish</b>	<b>111</b>
<b>Plaquemines Parish</b>	<b>116</b>
<b>St. Mary Parish</b>	<b>118</b>
<b>St. Bernard Parish</b>	<b>119</b>
<b>Tammany Parish</b>	<b>121</b>
<b>Terrebonne Parish</b>	<b>123</b>
<b>Vermilion Parish</b>	<b>124</b>
<b>MISSISSIPPI</b>	<b>127</b>
<b>MEMA District 9 (Includes Hancock, Harrison, and Jackson County)</b>	<b>127</b>
<b>ALABAMA</b>	<b>132</b>
<b>Baldwin County</b>	<b>132</b>
<b>Mobile County</b>	<b>136</b>
<b>FLORIDA</b>	<b>139</b>
<b>Charlotte County</b>	<b>139</b>
<b>Citrus County</b>	<b>143</b>
<b>Collier County</b>	<b>149</b>
<b>Dixie County</b>	<b>152</b>
<b>Franklin County</b>	<b>153</b>

<b>Gulf County</b>	<b>155</b>
<b>Hernando County</b>	<b>157</b>
<b>Hillsborough County</b>	<b>160</b>
<b>Lee County</b>	<b>169</b>
<b>Levy County</b>	<b>171</b>
<b>Manatee County</b>	<b>175</b>
<b>Monroe County</b>	<b>178</b>
<b>Pasco County</b>	<b>180</b>
<b>Pinellas County</b>	<b>185</b>
<b>Santa Rosa County</b>	<b>190</b>
<b>Sarasota County</b>	<b>192</b>
<b>Taylor County</b>	<b>194</b>
<b>Wakulla County</b>	<b>196</b>
<b>Walton County</b>	<b>198</b>



## HGAC Counties

### Austin County

**Year:** 2017 (Adopted 2018)

**Timeframe:**

- October 18, 2017: Hazard Mitigation Kickoff Meeting
- December 18, 2017: Hazard Mitigation Strategy Meeting
- April 12, 2017: Community Health and Resource Management (CHARM) Workshops
- November 2018: Adopted

**Date of Next Planned Revision:**

- The PMT will develop a timeline and strategy to update the plan 12 months before it expires

**Responsible Planning Agency (who prepared plan):** H-GAC, in partnership with Austin County, City of Bellville, City of Brazos Country, City of Iowa Colony, Town of San Felipe, and City of Wallis (*No specific private planning agency mentioned*)

**Planning Team:**

<b>Representative Name &amp; Position/Title</b>	<b>Jurisdiction</b>
Ray Chislet, Emergency Management Coordinator	Austin County
Tim Lapham, County Judge	Austin County
Larry Matthews, Chief of Police	City of Bellville
Shawn Jackson, City Manager	City of Bellville
Joe Ed Lynn, Mayor	City of Bellville
Charles A. Kalkomey, Mayor	City of Brazos Country
Sue Foley, Town Secretary	Town of San Felipe
Warren Escovy, Director of Planning	City of Sealy
Gretchen Hajdik, GIS Tech	City of Sealy
Lawrence Siska	City of Sealy
Sharon Flagg, Treasurer	City of Wallis
Wanda Andel, City Administrator	City of Wallis
Joey Kaspar, Senior Regional Planner	H-GAC
Amy Combs, Regional Planner	H-GAC

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Stakeholders:

<b>Regional &amp; Regulatory Stakeholders</b>	<b>Representative Position/Title</b>	<b>Contact Method</b>
Houston-Galveston Area Council	Community and Environmental Planning Department	In-person, Email
Office of Emergency Management	Austin County Emergency Management Coordinator	Phone Call, Email
Regional Homeland Security Council	Public Services Planner	In-person, Email
<b>Neighboring Jurisdictions</b>		
Austin County	Emergency Management Coordinator	Phone Call, Email
Waller County	Emergency Management Coordinator	Phone Call, Email
<b>Local Stakeholders</b>		
Austin County	Emergency Management Coordinator, County Engineer	Phone Call, Email
City of Bellville	City Manager, City Secretary	Email
City of Brazos Country	Mayor	Email
Town of San Felipe	Town Secretary	Email
City of Sealy	Planning Director, City Secretary	Email
City of Wallis	City Administrator, City Secretary	Email

**Relevant Goals and Objectives:**

- Goal: Reduce repetitive damage to private and public structures and loss of life due to flooding and erosion throughout the county (pg 97)
  - Objective: Reestablish Brazos River watershed to an original natural drain pattern.

**Relevant Actions:** *(Applies to the entire county unless otherwise stated)*

*None*

## Brazoria County

**Year:** 2017 (Adopted 2018)

**Timeframe:**

- October 25, 2017: Hazard Mitigation Kickoff Meeting (public)
- December 18, 2017: Hazard Mitigation Strategy Meeting
- April 5 and 6, 2017: Community Health and Resource Management (CHARM) Workshops
- September 2018: Adopted

**Date of Next Planned Revision:**

- The PMT will develop a timeline and strategy to update the plan 12 months before it expires.

**Responsible Planning Agency (who prepared plan):** H-GAC, in partnership with Brazoria County, City of Angleton, City of Brazoria, City of Clute, City of Iowa Colony, City of Lake Jackson, City of Liverpool, City of Quintana, City of Surfside Beach, City of Sweeny, and City of West Columbia *(No specific private planning agency mentioned)*

**Planning Team:**

Jurisdiction	Title	Contact Method
Velasco Drainage District	Superintendent	Email
Freeport	Fire Chief / EMC	Email
Port Freeport	Director of Protective Services	Email
Sweeny	City Manager	Email
Bailey's Prairie	Mayor	Email
Angleton	Emergency Management Coordinator	Email
Alvin	Emergency Management Coordinator	Email
Lake Jackson	City Manager	Email
Iowa Colony	Mayor	Email
Brazoria	City Manager	Email
Holiday Lakes	Mayor	Email
Surfside Beach	City Secretary	Email
Liverpool	Mayor	Email
Alvin ISD	Superintendent	Email
West Columbia	City Manager	Email
Brazoria County	Deputy Emergency Management Coordinator	Email
Clute	Fire Marshal/EMC	Email
Richwood	Chief of Police	Email
Hillcrest Village	Mayor	Email
Danbury	Mayor	Email
Bonney	Mayor	Email
Brookside Village	Mayor	Email
Oyster Creek	Mayor	Email
Quintana	Mayor	Email
Jones Creek	Mayor	Email
Manvel	Mayor	Email
Brazosport ISD	Superintendent	Email

**Stakeholders:**

National, Regional, and Local Agencies		
Stakeholder	Title	Contact Method
Texas A&M AgriLife	Extension Program Specialist	Email/ Hosted CHARM Meeting
The Trust for Public Land	Senior Vice President and Director of Conservation Strategies	Email/ Phone
U.S Army Corps of Engineers	Civil Engineer	Email/ Attended CHARM Meeting
Neighboring Communities and Regulatory Authorities		
Stakeholder	Title	Contact Method
Harris County	County Engineer	Email/ Attended CHARM Meeting
Brazoria Drainage District #4	District Engineer	Email/ Attended CHARM Meeting
Chambers County	Emergency Management Coordinator	Email/ Phone Call

**Relevant Goals and Objectives:**

- Goal: Create predictability along the Brazos river floodplain (pg 248)
  - Objective: Raise and repair lost river bank to keep flood waters in the river
  - Objective: Partner with local and county officials to identify at least three additional measures to keep water where it should be throughout the county

**Relevant Actions:** *(Applies to the entire county unless otherwise stated)*

- Action P10: Preserve natural lands and green space to reduce the impacts of natural hazards. Up to 35,000 acres of land tracts could be purchased from willing sellers for their natural ecosystem services. Including floodwater storage, groundwater recharge, erosion control, drought mitigation, and wildfire damage reduction. The land will be converted to parks, wildlife management areas, community forests, and/or other public open spaces. (pg 255) In Partnership with The Trust for Public Land and voluntary partnering jurisdictions.
- Action B4: Develop and implement a shoreline protection program. (pg 261) (Surfside Beach)
- Action B5: Acquisition of seaward property and re-establish stabilizing vegetation. (pg 261) (Surfside Beach)
- Action N3: Implement dune and beach restoration to protect county beach areas between Surfside Beach and San Luis Pass (pg 306)
- Action N5: Develop and implement a beach nourishment project on each jurisdiction's shoreline to mitigate the effects of coastal erosion. (pg 257)
- Action N12: Secure and develop Park land on and surrounding Lake Tenneco (pg 310)
- Action N13: Acquire available three tracts of land adjacent to and near Brazos River County Park, develop and improve Park facilities and access (pg 311)
- Action N16: Create a feeder beach for Follett's Island to slow the current erosion rate and protect wetlands in southeast Brazoria County. (pg 312)

## Chambers County

**Year:** 2017 (Adopted 2018)

**Timeframe:**

- October 19, 2017: Hazard Mitigation Kickoff Meeting
- December 18, 2017: Hazard Mitigation Strategy Meeting
- April 13, 2017: Community Health and Resource Management (CHARM) Workshops
- October 2018: Adopted

**Date of Next Planned Revision:**

- The PMT will develop a timeline and strategy to update the plan 18 months before it expires.
- Plan is updated every 5 years

**Responsible Planning Agency (who prepared plan):** H-GAC, in partnership with Chambers County, Chambers County, City of Anahuac, City of Mont Belvieu, City of Old River-Winfree, City of Beach City (*No specific planning agency mentioned*)

**Planning Team:**

<b>Jurisdiction/ Agency Represented</b>	<b>Title</b>	<b>Contact Method</b>
Liberty County	Emergency Management Coordinator	Email
Liberty County	Deputy Emergency Management Coordinator	Email
Liberty	Assistant Fire Chief	Email
Cleveland	City Manager	Email
Cleveland	Fire Chief	Email
Cleveland	Public Works Director	Email
Cleveland	Finance Director	Email
Cleveland	Police Chief	Email
Daisetta	City Manager	Email
North Cleveland	Mayor	Email
Ames	Mayor	Email
Dayton	Mayor	Email
Dayton Lakes	Mayor	Email
Devers	Mayor	Email
Hardin	Mayor	Email
Kenefick	Mayor	Email
Plum Grove	Mayor	Email

**Stakeholders:**

Stakeholder	Title	Contact Method
Texas A&M AgriLife	Extension Program Specialist	Email/ Hosted CHARM Meeting
Texas Department of State Health	Public Health Nurse	Email/ Attended CHARM Meeting
Liberty Dayton Hospital	CEO	Email/ Attended CHARM Meeting
U.S Army Corps of Engineers	Civil Engineer	Email/ Attended CHARM Meeting
State Representative	District Director	Email/ Attended CHARM Meeting
US Fish and Wildlife Service	Biologist	Email/ Attended CHARM Meeting
Chambers County	Emergency Management Coordinator	Email/ Phone Call

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**Relevant Goals and Objectives:**

*None*

**Relevant Actions:** *(Applies to the entire county unless otherwise stated)*

- Action B2: Hydroaxing the entire length of Hackberry Gully and Cotton Bayou from South of I-10 to Cotton Lake. Clearing out invasive species as well as other vegetation that are currently restricting the flow of storm water. Phases 1 and 2 have been completed, the requested funds will complete phases 3 through 6, completing the project. The requested funds will also pay for acquisition of permanent easements on both sides of the complete length of the project area. (pg 104)

## Colorado County

**Year: 2016**

**Timeframe:**

- March 10<sup>th</sup>, 2015: Steering Committee/Stakeholder Meeting #1
- January 12<sup>th</sup>-15<sup>th</sup>, 2016: Public Comment Period
- October – November 2016: Plan Adopted (in Appendix D)
- \*A more detailed timeline can be found on pg 48

**Date of Next Planned Revision:**

- Plan update must occur every 5 years
- Anticipated update in 2020 (pg 440)

**Responsible Planning Agency (who prepared plan):** JSW & Associates, Halff Associates, Tetra Tech, Inc.

Jurisdictions Covered: Colorado County, City of Columbus, City of Eagle Lake

Planning Team:

TABLE 3-1. COUNTY AND CITY PLANNING PARTNERS		
Jurisdiction	Point of Contact	Title
Colorado County	Chuck Rogers	Emergency Management Coordinator
City of Columbus	Don Warschak	City Manager
City of Eagle Lake	Sylvia Rucka	City Manager

TABLE 3-2. STEERING COMMITTEE MEMBERS		
Name	Title	Jurisdiction
Chuck Rogers	Emergency Management Coordinator	Colorado County
Donald Warschak	City Manager	City of Columbus
William Lattimore	Chief of Police	City of Columbus
Sylvia Rucka	City Manager	City of Eagle Lake
Dan Clark	Director of Public Works	City of Eagle Lake
David Freeman	Chief of Police	City of Eagle Lake

Stakeholders:

No specific stakeholders mentioned

**Relevant Goals and Objectives:**

- Goal 5: Promote growth in a sustainable manner.
  - Objective 5.2: Promote beneficial uses of hazardous areas while expanding open space and recreational opportunities.

**Relevant Actions:**

*None*



## Fort Bend County

**Year: 2018**

**Timeframe:**

- December 2016: Kick off Meeting (Organize and Review)
- February 2017: Risk Assessment Meeting
- June 2017: Adopt and Implement Plan – Draft Plan Submittal to TDEM
- February 2018 – Plan Officially Adopted by Fort Bend County

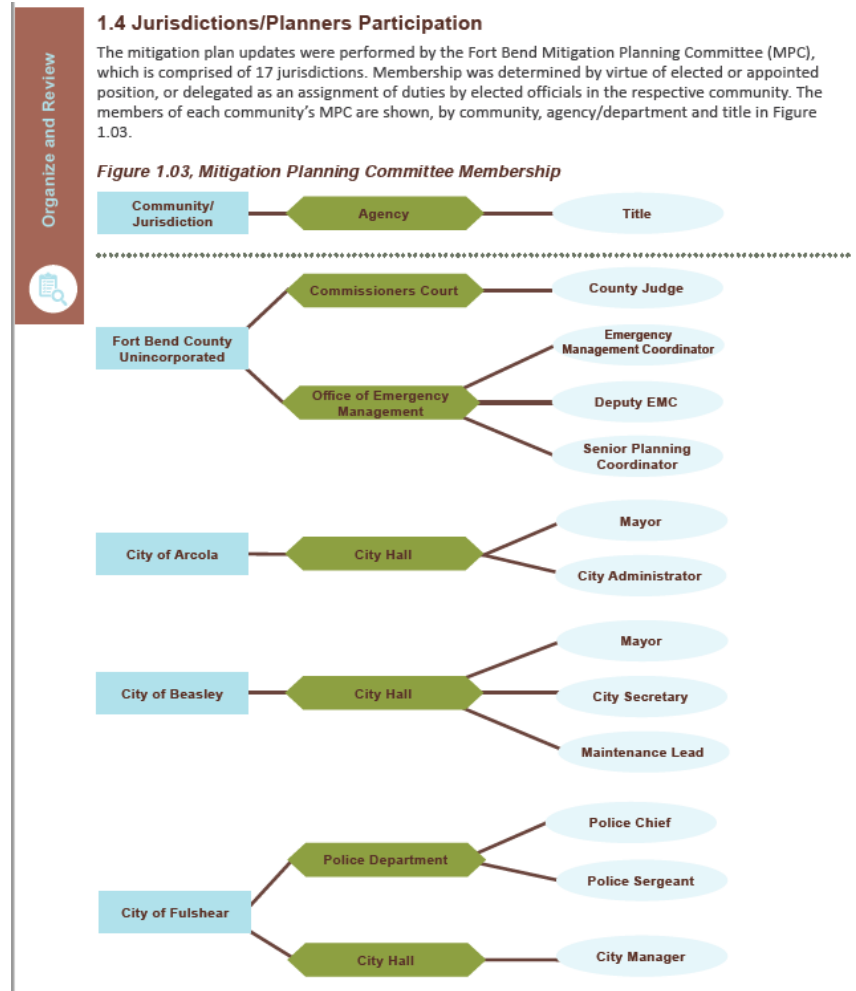
**Date of Next Planned Revision:**

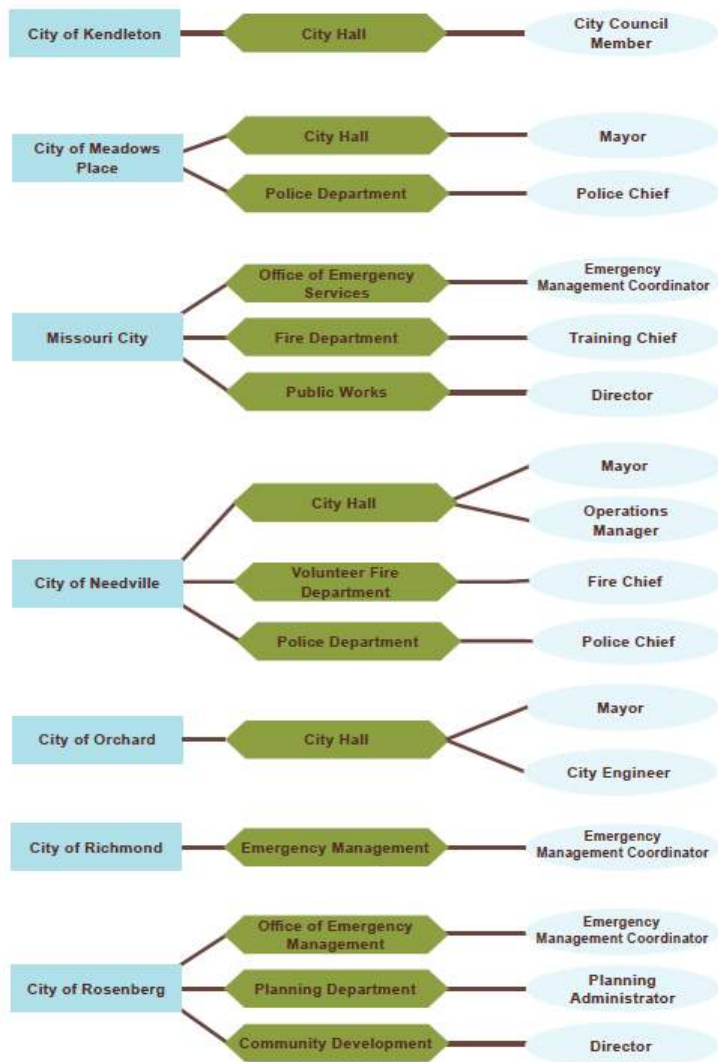
- Plan is updated every 5 years
- Plan expires February 2023 (from county website)

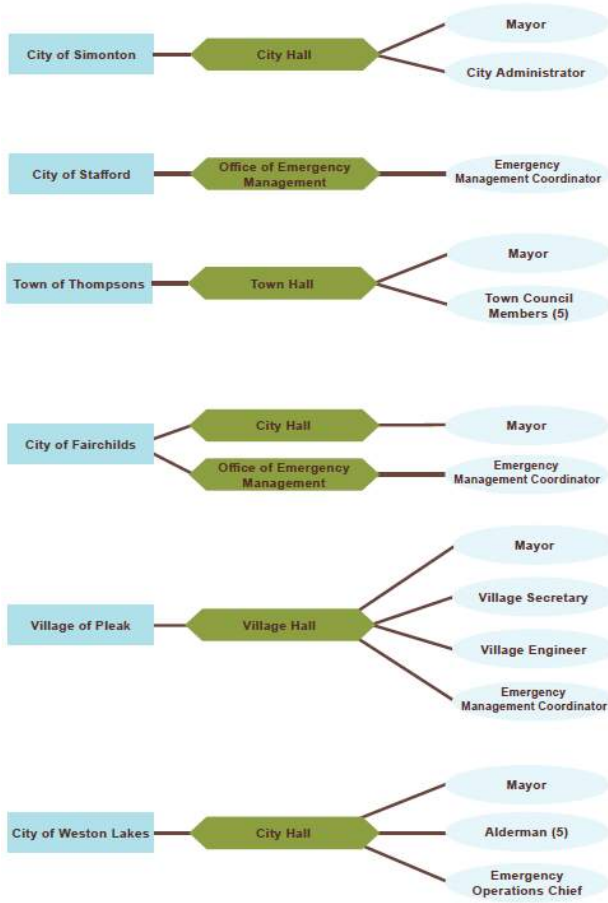
**Responsible Planning Agency (who prepared plan):** Jeffrey S. Ward & Associates, Inc. (JSWA) and Halff Associates

Jurisdictions Covered: Fort Bend County with City of Arcola, City of Beasley, Village of Fairchilds, City of Fulshear, City of Kendleton, City of Meadows Place, City of Missouri, City of Needville, City of Orchard, Village of Pleak, City of Richmond, City of Rosenberg, City of Simonton, City of Stafford, Town of Thompsons, City of Weston Lakes, Fort Bend Unincorporated

## Planning Team:







Stakeholders:

*Figure 1.05, Plan Stakeholders*

Jurisdiction	Agency	Title
AquaTexas	Utility	Facilities Operator
Arcola/Fresno Club	Lions Club	President
AT&T	Communications	Government Relations
Austin County	Office of Emergency Management	Emergency Management Coordinator
Brazoria County	Office of Emergency Management	Emergency Management Coordinator
Brazos ISD	Education	Superintendent
Calpine	Coal Plant	Public Relations
CenterPoint	Utilities	Government Relations
Central Fort Bend	Chamber	President
City of Arcola	City Hall	City Council Members (5)
	Police Department	Sergeant
City of Beasley	City Hall	Alderman (5)
		Floodplain Administrator
		Mayor Pro-Tem
		Emergency Management Coordinator
	Volunteer Fire Department	Fire Chief
	Water Supply	Water Director
City of Fresno	Fire Department	Chief
City of Fulshear	Area Chamber of Commerce	President
	Consultant	Engineer
City of Houston	Office of Homeland Security	Emergency Management Coordinator
City of Katy	Area Chamber of Commerce	President
City of Kendleton	City Hall	City Secretary
		Council Members (4)
City of Meadows Place	Chamber of Commerce	President
	City Hall	Alderman (5)
		Floodplain Administrator
		Mayor Pro-Tem
	Engineering Consultant	City Engineer
	Neighborhood Watch	Captain
	Public Works	Director
	Tax Assessor's Office	Director
Police Department	Police Chief/Emergency Management Coordinator	

Figure 1.05, Plan Stakeholders, (cont.)

Jurisdiction	Agency	Title
City of Meadows Place	Water Supply	Water Director
City of Missouri City	City Hall	Asst. City Manager
		City Council Member (5)
		City Manager
		City Secretary
		Mayor
	Development Services	Chief Building Official
	Engineering	Senior Engineer
		Floodplain Administrator
	Fire Department	Chief
		Emergency Management Coordinator
GIS	GIS Coordinator	
Planning	Community Planner	
Police Department	Chief	
Public Works	Director	
City of Needville	Chamber of Commerce	President
	City Hall	Aldermen (5)
		City Secretary
		Floodplain Administrator
		General Counsel- Consultant
		Mayor
	Operations Manager	
Police Department	Sergeant	
Volunteer Fire Department	Chief	
City of Orchard	City Hall	Assistant Administrator
		City Secretary
	Cultural Education Facilities Finance Corporation	Director
	Economic Development Council	Chair
	Industrial Development Corporation	Chair
	Volunteer Fire Department	Chief
	Water and Sewer	Manager
City Hall	Commissioners	
City of Richmond	City Hall	Asst. City Manager
		City Manager
		City Secretary
		Commissioner (4)

Figure 1.05, Plan Stakeholders, (cont.)

Jurisdiction	Agency	Title
City of Richmond	City Hall	Mayor
	Development Services	Chief Building Official
	Engineering	Senior Engineer
		Floodplain Administrator
	Fire Department	Chief
		Emergency Management Coordinator
	GIS	GIS Coordinator
	Planning	Community Planner
Police Department	Chief	
Public Works	Director	
City of Rosenberg	City Hall	Asst. City Manager
		City Council Members (6)
		City Manager
		City Secretary
		Mayor
	Development Services	Chief Building Official
	Engineering	Senior Engineer
		Floodplain Administrator
	Fire Department	Chief
	Fire Department	Emergency Management Coordinator
	GIS	GIS Coordinator
	Knights of Columbus	President
Planning	Community Planner	
Police Department	Chief	
Public Works	Director	
City of Simonton	City Hall	Animal Control Officer
		Chief Building Official/Deputy City Secretary
		City Administrator
		City Secretary
		Council Members (4)
		Emergency Management Coordinator
		Mayor
	Mayor Pro-Tem	
Consultant	City Engineer	
City of Stafford	Chamber of Commerce	President

**Figure 1.05, Plan Stakeholders, (cont.)**

Jurisdiction	Agency	Title
City of Stafford	City Hall	Council Members (5)
		Floodplain Administrator
		Mayor Pro-Tem
	Engineering	City Engineer
	Fire Department	Fire Chief
	Neighborhood Watch	Captain
	Office of Emergency Management	Emergency Management Coordinator
	Public Works	Director
	Tax Assessor's Office	Director
	Police Department	Police Chief
Water Supply	Water Director	
City of Sugar Land	Office of Emergency Management	Emergency Management Coordinator
Consolidated Communications	Communications	Public Relations
Fort Bend CISD	Education	Superintendent
Fort Bend County	CERT Program	Coordinator
	Chamber of Commerce	President
	Commissioner Court	Judge
	County Road and Bridge Precinct 1	Commissioner
	Drainage	Director
	Drainage District	Chief Engineer
	Economic Development Council	Chair
	Emergency Medical Services	Chief
	Emergency Service Districts	Chiefs
	Engineering	GIS Analyst
	Health Department	Public Health Director
	Local Emergency Planning Committee	President
	Precinct #3	Commissioner
	Road & Bridge	Commissioner
	Sheriff's Office	Sheriff
	Drainage	Director
	Emergency Medical Service	Director
	Office of Emergency Management	Emergency Management Coordinator
Fort Bend Herald	Newspaper	Editor
Fort Bend ISD	Education	Superintendent



**Figure 1.05, Plan Stakeholders, (cont.)**

Jurisdiction	Agency	Title
FreshwaterOne	Utilities	Public Relations
Fulshear	Police Department	Emergency Management Coordinator
Fulshear Water	Utilities	Director
Fulshear/Simonton	Fire Department	Chief
Gulf Coast Tribune	Newspaper	Editor
Harris County	Office of Homeland Security and Emergency Management	Emergency Management Coordinator
		Hazard Mitigation Planner
Houston Community College	Education	Emergency Management Coordinator
	Higher Education	Safety Officer
Houston Independent School District	Education	Superintendent
Houston Southwest Airport	Airfield	Manager
Houston-Galveston Area Council	Council of Governments	Director
Katy Independent School District	Education	Superintendent
Kelly R. Kaluza & Associates	Consultant	Engineer
	Engineering Consultant	Engineer
Lamar Consolidated Independent School District	Education	Superintendent
Municipal Utility District 81	Utility	Operator
Needville	American Legion	Chapter President
Needville ISD	Education	Superintendent
Needville Water	Utilities	Director
NRG	Energy Plant	Public Relations Director
Rosenberg	Knights of Columbus	President
	VFW	President
Schodack Engineering	Engineering Consultant	City Engineer
Simonton	City Hall	Emergency Management Coordinator
Stafford Municipal School District	Education	Superintendent
Sugar Grove Church	Church	Pastor
Texas Gulf Coast Region (51 county)	American Red Cross	Director
Texas State Technical College (Rosenberg)	Higher Education	Safety Officer
Town of Thompsons	Police Department	Chief

Figure 1.05, Plan Stakeholders, (cont.)

Jurisdiction	Agency	Title
Town of Thompsons	Architecture/Engineer	Consultant
	Town Hall	Citizen's Committee
	Town Hall	Town Secretary
	Volunteer Fire Department	Chief
University of Houston at Sugar Land	Higher Education	Safety Officer
Village of Fairchilds	City Hall	Mayor
	Consultant	Village Engineer
	Village Hall	Aldermen (3)
	Village Hall	Village Secretary
	Volunteer Fire Department	Chief
Village of Pleak	Consultant	Engineer
	Village Hall	Mayor
Waller County	Office of Emergency Management	Emergency Management Coordinator
City of Weston Lakes	Book Club	President
	City Hall	Floodplain Administrator (Consultant)
	Community Emergency Response Team	Operations Section Chief
	Emergency Committee	Chair
	Keep Weston Lakes Beautiful	President
	Women's Association	
	POA	
Wharton County	Office of Emergency Management	Emergency Management Coordinator
Wharton County Junior College	Education	Safety Officer

**Relevant Goals and Objectives:**

*None*

**Relevant Actions:**

*None*

## Galveston County

**Year: 2017**

**Timeframe:**

- October 19<sup>th</sup>, 2015: First Meeting (Public) (Meeting summary on pg 15)
- November 17, 2015: Second Meeting (Meeting summary on pg 17)
- January, 2016: Mitigation Strategy workshops (pg 17)
- January 20, 2016: Fourth Meeting (Public) (Meeting summary on pg 19)
- Adopted (pg 12 adoption timeline table left blank)

**Date of Next Planned Revision:**

- Plan will be updated every five years (pg 30)
- This is labeled as a 2016- 2020 plan so I'd assume that the next plan will be ready in 2020 but there is no specific expiration date mentioned

**Responsible Planning Agency (who prepared plan):** True North Emergency Management, LLC

**Jurisdictions Included:** Galveston County (including unincorporated areas), City of Kemah, City of Bayou Vista, City of La Marque, City of Clear Lake Shores City of League City, City of Friendswood City of Santa Fe, City of Hitchcock, Village of Tiki Island, City of Jamaica Beach.

\*The cities of Galveston, Dickinson, and Texas City opted not to join

**Planning Team:**

*Table 2.1: Members of the Galveston County Hazard Mitigation Council*

Jurisdiction	Representative and Title
Bayou Vista	Larry Whittington, Sr., Police Chief
Clear Lake Shores	Kenny Cook, Emergency Management Coordinator
Galveston County	Garret Foskit, Emergency Management Coordinator Meaghan Kennedy, Deputy Emergency Management Coordinator
Friendswood	Terry Byrd, Emergency Management Coordinator
Hitchcock	John Hamm, Emergency Management Coordinator
Jamaica Beach	John Brick, Emergency Management Coordinator
Kemah	Brent Hahn, Assistant Emergency Management Coordinator
La Marque	Charlene Warren, Emergency Management Coordinator
League City	Ryan Edghill, Emergency Management Coordinator
Santa Fe	Kenneth Campbell, Emergency Management Coordinator
Tiki Island	Bryan Springer, Emergency Management Coordinator

True North Emergency Management provided two planners, A. "Ryan" Williams and Rebecca Boone to work alongside the GCHMC members and develop the 2016 updated plan and present to TDEM and FEMA for approval.

Raymond Mejia, CPP, Hazard Mitigation Planner from TDEM's Mitigation Section provided technical assistance throughout the planning process.

**Stakeholders:**

No specific Stakeholders mentioned

**Relevant Goals and Objectives (pg 253):**

- Goal 1: Minimize loss of life, injury, damage to property, the economy, and natural systems

**Relevant Actions:**

- JB 2006-1: Implement beach and dune restoration program (pg 306) (Jamaica Beach) (City staff and council)

## Harris County

**Year:** 2020 (2019 DRAFT for Public Comment)

*\*the public comment period for the draft is over.*

**Timeframe:**

- May 18<sup>th</sup>, 2018: First Public Outreach Meeting
- October 10<sup>th</sup>, 2018: Steering Committee Meeting #1
- January 1<sup>st</sup>, 2019: Steering Committee Meeting #2
- March 21<sup>st</sup>, 2019: Steering Committee Meeting #3
- November 7-22, 2019: Final Public Comment Period
- TBD – Plan Submittal and Approval
- \*A more detailed timeframe can be found on pg 52-53

**Date of Next Planned Revision:**

\*This plan is *expected* to be adopted in 2020

- Harris County will apply for funding to update the plan no later than 2 calendar years before its expiration (pg 280)
- Updated Plan must be produced every five years

**Responsible Planning Agency (who prepared plan):** Tetra Tech Inc

Planning Team:

Core Planning Team:

- Brian Murray, HCOHSEM Planning Supervisor
- Ashley Schutt, HCOHSEM GIS Specialist
- Brian Dunaway, HCOHSEM GIS Specialist
- Benzon John, HCOHSEM Mitigation Planner
- Rob Flaner, CFM, Tetra Tech, Inc., Project Manager
- Carol Baumann, GISP, Tetra Tech, Inc., Risk Assessment Lead
- Chrissie Angeletti, JD, Tetra Tech, Inc., Outreach
- Brian Rutherford, Tetra Tech, Inc., Lead Planner

## Consultants

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- Rob Flaner, CFM, Tetra Tech, Inc., Project Manager
- Carol Baumann, GISP, Tetra Tech, Inc., Risk Assessment Lead
- Chrissie Angeletti, JD, Tetra Tech, Inc., Outreach
- Brian Rutherford, Tetra Tech, Inc., Lead Planner
- Melissa Schloss, Tetra Tech, Inc., Planner
- Dan Portman, Tetra Tech, Inc., Technical Editor

## Planning Partners

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- Jamie Galloway, Emergency Management Coordinator (EMC), City of Baytown
  - Deacon Tittle, Fire Chief/EMC, City of Bellaire
  - Karen Glynn, City Administrator, City of Bunker Hill Village
  - Howard Miller, Fire Chief/EMC, Village Fire Department
  - Robert Hemminger, Emergency Services Director, City of Deer Park
  - Thomas Merchant, EMC, City of El Lago
  - Brian Mansfield, Deputy Fire Marshal/ EMC, City of Friendswood
  - Jorge Flores, EMC, City of Galena Park
  - Kelly Johnson, City Administrator, City of Hedwig Village
  - Susan Blevins, City Administrator, City of Hilshire Village
  - Jesse Morales, Permits Manager, Harris County
  - James Nykaza, EMC, City of Humble
  - Tom Fullen, City Administrator, City of Hunters Creek
  - Mark Bitz, Fire Chief/EMC, City of Jersey Village
  - Greg Goedecker, EMC, City of Katy
  - Dena Mahan, Assistant EMC, City of LaPorte
  - Matt Rios, Fire Marshall/EMC, City of Missouri City
  - Sherri Ditrich, Chief of Police, City of Morgan's Point
  - Jason E. Reynolds, City Manager, City of Nassau Bay
  - Frank Bengochea, EMC, City of Pasadena
  - Roger Nelson, City Administrator, City of Piney Point Village
  - Jeff Galyean, Director of the Office of Emergency Management, City of Seabrook
  - Troy D. Harrison, Chief of Police, City of Shoreacres
  - Don McCall, Chief of Police, City of Southside Place
- 
- Julie M. Robinson, City Administrator, City of Spring Valley Village
  - Peter Alvarado, EMC, City of Stafford
  - John Powell, Councilman, City of Taylor Lake Village
  - Randy Parr, Fire Chief/EMC, City of Tomball
  - Patrick Shipp, Fire Chief/EMC, City of Webster
  - Aaron Taylor, Fire Chief/EMC, West University Place
  - Matt Morgan, Assistant Superintendent for Facilities and Construction, Cypress Fairbanks Independent School District
  - Todd Ward, Risk Mitigation Department Manager, Harris County Flood Control District
  - Ray W. Higgins, Director of Emergency Management, Harris Health System
  - William Earl Finley, Sr. Manager, Risk Management, Houston Independent School System
  - Tim Brittain, Chief Financial Officer, Huffman Independent School System
  - Carla Merka, Chief Financial Officer, Pasadena Independent School System
  - Dr. Oluponmile Olonilua, Professor, Texas Southern University
  - Derrick Harris, Business Analyst/Project Manager, Lone Star College
  - Warren J. Porter, Safety & Emergency Preparedness Manager, Texas Medical Center
  - Robert McCracken, Executive Director of Emergency Management, Houston Community College
  - James Novick, Battalion Chief, Harris County Emergency Services District 12

**Table 3-2. Steering Committee Members**

<b>Name</b>	<b>Title</b>	<b>Jurisdiction/Agency</b>
<b>Communities/Jurisdictions</b>		
Brian Murray <sup>a</sup>	Public Information Officer	HCOHSEM
Jamie Galloway	Emergency Management Coordinator	City of Baytown
Deacon Tittel	Director, Development Services	City of Bellaire
Steven Simmons	Fire Marshal / EMC	City of Friendswood
Dena Mahan	Emergency Management Coordinator	City of La Porte
Dakota Duncan	City Manager	City of Missouri City
Jason Reynolds	Emergency Management Coordinator	City of Nassau Bay
Frank Bengochea	Deputy Emergency Management Coordinator	City of Pasadena
Jeff Galyean	Building Official / Floodplain Manager	City of Seabrook
Troy Harrison	Mayor	City of Shoreacres
Jon Keeney	Emergency Management Coordinator	City of Taylor Lake Village
James Novak	Fire Chief/ EMC	City of West University Place
Todd Ward	Manager, Risk Mitigation	Harris County Flood Control District
James Novick	Fire Chief / Business Administrator	Harris County Emergency Services District 12
Ecomet Burley	Emergency Management Coordinator	Harris County Department of Education
<b>Other Stakeholders</b>		
Kelly Snook, PLA, LI	Executive Director	Greens Bayou Coalition
Mary Anne Piacentini	President and CEO	Katy Prairie Conservancy
Mark S. Mitchell	President	Lake Houston Economic Development Partnership
Jenna Armstrong	President and CEO	Lake Houston Area Chamber of Commerce
Lisa Graiff	Houston Parks Board	Houston Parks Board
Steve Pine	President	Texas Collections Emergency Response Alliance
Ponmile Olonilua, PhD, CFM	Associate Professor	Texas Southern University, School of Public Affairs
Mark Steuer, PhD	Vice President	White Oak Bayou Association
Lori Upton, RN, BSN, MS, CEM	Director, Regional Preparedness	Southeast Texas Regional Advisory Council
Dinah Massie, MPA	Executive Director	Houston TranStar
Joey Kaspar	Senior Planner	Houston Galveston Area Council
Dawn Blackmar, DVM	Director, Emergency Management	Houston SPCA / Harris County Disaster Animal Management Task Force
Rogelio Martinez	Hazard Mitigation Planner	City of Houston, Office of Emergency Management
Jeffry Evans	Meteorologist in Charge	National Weather Service – Houston Galveston
Dan Reilly	Warning Coordination Meteorologist	Greens Bayou Coalition
Andy Meyer	Disaster Program Manager	American Red Cross

a. Chairperson

Stakeholders:

**Table 3-3. Stakeholder Agencies Notified About Plan Update Progress**

Agency	Title of Contact Person
Texas Division of Emergency Management	State Hazard mitigation Officer
FEMA Region VI	Lead Community Planner
Insurance Services Office	CRS Specialist
Texas Water Development Board	Chief Communications Officer
Bayou City Waterkeeper	Legal Director
Coalition for Environment, Equity and Resilience	Co-Founder
Cypress Creek Flood Control Coalition	President
Alamo Trust	Conservator
American Institute of Architects, Houston Chapter	Executive Director
Bleyl Engineering	Senior Director
Houston Hospice	Facility Manager
Inframark Water and Infrastructure Services	Vice President
Preservation Houston	Community Outreach Coordinator
Texas Children’s Hospital	Manager, Emergency Management
Texas Medical Center	Director of Strategy
University of Houston	College of Engineering
West Houston Association	CEO
Region 4 Education Service Center	Executive Director
Port of Houston Authority	Emergency Management Coordinator
Greater Houston Flood Mitigation Consortium	Director
Rice University Severe Storm Prediction, Education, & Evacuation from Disasters Center	Director
Rice University Kinder Institute	Director
Texas A&M Galveston Center for Texas Beaches and Shores	Director
Texas A&M Extension Service, Texas Community Watershed Partners	Director
University of Houston Institute of Climate and Atmospheric Science	
University of Houston Hurricane Resilience Research Institute	

Planning Partners Covered under this plan: Detailed list can be found on page 38

**Relevant Goals and Objectives: (pg 265-266)**

- Goal 8: Investigate and Implement a range of nature-based solutions and utilize and enhance natural resources and their ability to reduce the impacts from natural hazards
  - Objective 6: Control access and provide buffers to maximize resource protection where possible
  - Objective 7: Encourage all state, regional, and local hazard mitigation projects and planning programs to protect the environment and promote implementation of sustainable mitigation and climate resilience actions
  - Objective 8: Support hazard mitigation measures that promote and enhance natural processes and minimize adverse impacts on the ecosystem

A catalog of hazard mitigation alternatives was developed to be considered for use in the plan. The alternatives include some relevant activities. “The catalogs provide a baseline of mitigation alternatives that are backed by a planning process, are consistent with the established goals and objectives, and are generally within the capabilities of the planning partners to implement.” The following are the alternatives related to natural infrastructure.

### Recommended Alternatives to Mitigate the Drought Hazard

- Increase “above-the-dam” regional natural water storage systems

### Recommended Alternatives to Mitigate the Flooding Hazard

- Acquire vacant land or promote open space uses in developing watersheds to control increases in runoff
- Promote open space uses in identified high hazard areas via techniques such as: Planned unit developments, easements, setbacks, greenways, sensitive area tracks,
- Preserve undeveloped and vulnerable shoreline

### Recommended Alternatives to Mitigate the Hurricane Hazard

- Protect, preserve, restore barrier island protection
- Protect, preserve, restore wetland protection
- Protect, preserve, restore beaches and dune protection

### Recommended Alternatives to Severe Weather Hazard

- Develop an urban heat island reduction program that includes an urban forest program or plan
- Modify land use and environmental regulations to support vegetation management activities that improve reliability in utility corridors

### **Relevant Actions:**

- Action KTY12 (City of Katy) — Provide incentives to private industry and contractors, for using permeable driveways and surfaces to reduce runoff and promote groundwater recharge. (pg 346)
- Action NAS28 (City of Nassau Bay) – Develop a Shoreline Management Plan (pg 451)
- Action PAS8 (City of Pasadena) — Flood control and drainage improvements. • Improve drainage easements by expanding the slopes, banks and drainage structures. • Expand and protect current bayou environment associated with riverine flood to mitigate city’s threat from flooding. • Construction of floodwalls, detention and retention basins, spillways and other related structures. • Hydrological routing • Right of Way Flood Mitigation • Projects Golden Acres Wastewater Treatment Plant Elimination (pg 475)



## Liberty County

**Year:** 2017 (Adopted 2018)

**Timeframe:**

- October 19, 2017: Hazard Mitigation Kickoff Meeting (public)
- December 18, 2017: Hazard Mitigation Strategy Meeting
- April 13, 2017: Community Health and Resource Management (CHARM) Workshops
- October 9, 2018: Adopted

**Date of Next Planned Revision:**

- The PMT will develop a timeline and strategy to update the plan 12 months before it expires

**Responsible Planning Agency (who prepared plan):** H-GAC, in partnership with Liberty County, City of Ames, City Cleveland, City of Daisetta, City of Dayton Lakes, City of Devers, City of Hardin, City of Kenefick, City of Liberty, City of North Cleveland, and City of Plum Grove (*No specific planning agency mentioned*)

Planning Team

<b>Jurisdiction/ Agency Represented</b>	<b>Title</b>	<b>Contact Method</b>
Liberty County	Emergency Management Coordinator	Email
Liberty County	Deputy Emergency Management Coordinator	Email
Liberty	Assistant Fire Chief	Email
Cleveland	City Manager	Email
Cleveland	Fire Chief	Email
Cleveland	Public Works Director	Email
Cleveland	Finance Director	Email
Cleveland	Police Chief	Email
Daisetta	City Manager	Email
North Cleveland	Mayor	Email
Ames	Mayor	Email
Dayton	Mayor	Email
Dayton Lakes	Mayor	Email
Devers	Mayor	Email
Hardin	Mayor	Email
Kenefick	Mayor	Email
Plum Grove	Mayor	Email

Stakeholders:

<b>Stakeholder</b>	<b>Title</b>	<b>Contact Method</b>
Texas A&M AgriLife	Extension Program Specialist	Email/ Hosted CHARM Meeting
Texas Department of State Health	Public Health Nurse	Email/ Attended CHARM Meeting
Liberty Dayton Hospital	CEO	Email/ Attended CHARM Meeting
U.S Army Corps of Engineers	Civil Engineer	Email/ Attended CHARM Meeting
State Representative	District Director	Email/ Attended CHARM Meeting
US Fish and Wildlife Service	Biologist	Email/ Attended CHARM Meeting
Chambers County	Emergency Management Coordinator	Email/ Phone Call

**Relevant Goals and Objectives:**

*None*

**Relevant Actions:**

*None*

## Matagorda County

**Year: 2017**

**Timeframe:**

- March 10<sup>th</sup>, 2015: Steering Committee/Stakeholder Meeting #1
- June 2<sup>nd</sup>, 2015: Steering Committee/Stakeholder Meeting #2
- August 11<sup>th</sup>, 2015: Steering Committee/Stakeholder Meeting #3
- 9/18/2015 – 2/9/2016: Public Outreach Period
- February – March, 2017: Adoption by different Jurisdictions
- \*A more detailed timeline can be found on pg 74

**Date of Next Planned Revision:**

- Plan updated every 5 years.
- Anticipated update in 2020 (pg 440)

**Responsible Planning Agency (who prepared plan):** JSWA Team. The JSWA Team consists of JSW & Associates, Tetra Tech, Inc., and Halff Associates.

**Jurisdictions Covered:** all of Matagorda County, the Cities of Bay City and Palacios

**Planning Team:**

TABLE 3-1. COUNTY AND CITY PLANNING PARTNERS		
Jurisdiction	Point of Contact	Title
Matagorda County	Lisa Krobot	Floodplain Administrator
City of Bay City	Marla Jasek	Floodplain Administrator
City of Palacios	David Kocurek	City Manager

**Stakeholders:**

TABLE 3-2. STEERING COMMITTEE MEMBERS		
Name	Title	Jurisdiction
Lisa Krobot	Floodplain Administrator	Matagorda County
Doug Matthes	Emergency Management Director	Matagorda County
Marla Jasek	Public Works Assistant Director	City of Bay City
David Kocurek	City Manager	City of Palacios
Robert Garrett	Police Chief (Former)	City of Palacios
David Miles	Police Chief	City of Palacios

**Relevant Goals and Objectives (pg 19-20):**

- **Goal 5:** Promote growth in a sustainable manner.
  - **Objective 5.2:** Promote beneficial uses of hazardous areas while expanding open space and recreational opportunities.

**Relevant Actions:** *(Applies to the entire county unless otherwise stated)*

- Action 7: Plant dune vegetation seaward and strengthen dunes. The County will work with Commissioner's Court, Beach Dune Committee and Emergency Management for specific sections of the beach. (pg 29) (Emergency Management)

## Montgomery County

**Year:** 2017 (Adopted 2018)

**Timeframe:**

- October 16, 2017: Hazard Mitigation Kickoff Meeting
  - “Feedback and input from the public during the October 16th Hazard Mitigation Kick-off meeting was used to identify vulnerabilities in each jurisdiction, identify valuable assets, and develop the risk assessment...” (pg 12)
- December 18, 2017: Hazard Mitigation Strategy Meeting
  - “The purpose of this meeting was to begin the development of a Mitigation Strategy and determine plan maintenance procedures...” (pg 11)
- September – October: 2018: Adopted (different jurisdictions had different adoption dates)

**Date of Next Planned Revision:**

- The PMT will develop a timeline and strategy to update the plan 12 months before it expires.

**Responsible Planning Agency (who prepared plan):** H-GAC, in partnership with Montgomery County, City of Conroe, City of Cut and Shoot, City of Magnolia, City of Montgomery, City of Oak Ridge North, City of Panorama Village, City of Patton Village, Town of Roman Forest, City of Shenandoah, City of Splendora, City of Stagecoach, City of Willis, City of Woodbranch Village, The Woodlands Township, Town of Woodloch. *(No specific private agency mentioned)*

**Planning Team:**

Representative Name & Position/Title	Agency/Office
Darren Hess, Emergency Management Coordinator	Montgomery County Office of Homeland Security and Emergency Management
Morgan Lumbley, Community Planner	Montgomery County Office of Homeland Security and Emergency Management
Chief Gomez, Chief of Police	City of Cut and Shoot
Paul Mendez, City Manager	City of Magnolia
Jack Yates, City Administrator	City of Montgomery
Shannon Sharp, Chief of Police	City of Patton Village
Liz Mullane, City Administrator	City of Roman Forest
Kassie Laughlin, Emergency Management Specialist	City of Conroe
Andrew Walters, Emergency Management Coordinator	City of Oak Ridge North
Lynn Scott, Mayor	City of Panorama Village
Leah Tarrant, Mayor	City of Patton Village
Joseph Pearl, Public Works Director	City of Shenandoah
Alex Hadrych, Lieutenant	City of Splendora
Michael Wethington, Chief of Police	City of Stagecoach
James Nowak, Chief of Police	City of Willis
Charlotte Smith, City Secretary	Woodbranch Village
Jason Washington, Battalion Chief	The Woodlands Township
Diane Lincoln, Mayor	Town of Woodloch
Joey Kaspar, Senior Regional Planner	H-GAC
Amy Combs, Regional Planner	H-GAC

## Stakeholders:

### Stakeholders

Neighboring communities, local and regional agencies involved in hazard mitigation activities, agencies that have the authority regulate development, each contributed to the development of the HMAP. The chart below demonstrates the variety of stakeholders who participated and contributed:

Regional & Regulatory Stakeholders	Representative Position/Title
Houston-Galveston Area Council (H-GAC)	Community and Environmental Planning Department
Harris County Flood Control District	Floodplain Administrator
Office of Homeland Security and Emergency Management	Montgomery County Emergency Management Coordinator
Regional Homeland Security Council	H-GAC Public Services Planner
San Jacinto River Authority	Director of Raw Water Enterprise
Neighboring Jurisdictions	
Liberty County	Emergency Management Coordinator
Waller County	Emergency Management Coordinator
Walker County	Emergency Management Coordinator
Local Stakeholders	
City of Cuf and Shoot	Chief of Police
City of Magnolia	City Manager, Floodplain Administrator
City of Montgomery	City Administrator, Floodplain Administrator
City of Patton Village	Chief of Police, Floodplain Administrator
City of Roman Forest	City Administrator, Floodplain Administrator
City of Courcoe	Emergency Management Specialist, Floodplain Administrator
City of Oak Ridge North	Emergency Management Coordinator, Floodplain Administrator
City of Panoramas Village	Mayor, Floodplain Administrator
City of Patton Village	Mayor, Floodplain Administrator
City of Shennadoh	Public Works Director, Floodplain Administrator
City of Splendora	Chief of Police, Floodplain Administrator
City of Stagecoach	Chief of Police, Floodplain Administrator
City of Willis	Chief of Police, Floodplain Administrator
Woodbranch Village	City Secretary, Floodplain Administrator
The Woodlands Township	Battalion Chief, Floodplain Administrator
Town of Woodloch	Mayor

## Relevant Goals and Objectives:

*None*

## Relevant Actions: *(Applies to the entire county unless otherwise stated)*

- Action E-5: Improvements to two water channels within the city. Anders Branch and Town Creek. Physical improvements to both waterways. (pg 185) (City of Montgomery)

## Walker County

**Year:** 2017 (adopted 2018)

**Timeframe:**

**Meeting Dates:** (pg 10)

- October 11, 2017: Hazard Mitigation Kickoff Meeting
- December 18, 2017: Hazard Mitigation Strategy Meeting
- February 22, 2018: Community Rating System Workshop
- May-June 2018: Adopted

**Date of Next Planned Revision:**

- The PMT will develop a timeline and strategy to update the plan 18 months before it expires.
- Plan is updated every 5 years

**Responsible Planning Agency (who prepared plan):** H-GAC, in partnership with Walker County, City of Waverly, and City of Riverside (*no specific planning agency mentioned*)

**Planning Team:**

<b>Representative Name &amp; Position/Title</b>	<b>Agency/Office</b>
Butch Davis, Emergency Management Coordinator	Walker County Emergency Management
Sherri Pegoda, Deputy Emergency Management Coordinator	Walker County Emergency Management
Jimmy Henry, Commissioner: Road & Bridge Precinct 4	Walker County and City of Riverside
Danny Pierce, County Judge	Walker County and New Waverly
Andrew Isbell, Director of Planning & Development	Walker County Planning & Development
Chad Holton, Land & Emergency Management Coordinator	Trinity River Authority
Joey Kaspar, Senior Regional Planner	H-GAC
Amy Combs, Regional Planner	H-GAC

**Stakeholders:**

No specific stakeholders mentioned

**Relevant Goals and Objectives:**

*None*

**Relevant Actions:**

*None*

## Waller County

**Year:** 2017 (Adopted 2018)

**Timeframe:**

- October 18, 2017: Hazard Mitigation Kickoff Meeting (public)
- December 18, 2017: Hazard Mitigation Strategy Meeting
- September 2018: Plan Adopted

**Date of Next Planned Revision:**

- The PMT will develop a timeline and strategy to update the plan 18 months before it expires
- Plan will be updated every five years

**Responsible Planning Agency (who prepared plan):** Waller County (Unincorporated), City of Brookshire, City of Hempstead, City of Pattison, Town of Pine Island, City of Prairie View, City of Waller (*no specific private agency mentioned*)

**Planning Team:**

<b>Representative Name &amp; Position/Title</b>	<b>Jurisdiction</b>
Brian Cantrell, Emergency Management Coordinator	Waller County
Yancy Scott, County Engineer	Waller County
Trey Duhon, County Judge	Waller County
Earnest Kelley, Director of Public Works	City of Brookshire
Barbara Haffelfinger	City of Hempstead
Joe Garcia, Mayor	City of Pattison
Steve Nagy, Mayor	Town of Pine Island
Anthony Solomon, Chief of Police	City of Prairie View
Gene Schmidt, Superintendent of Public Works	City of Waller
J.R. Dollins III, President, Brookshire/Katy Drainage District	Brookshire/Katy Drainage District
Joey Kaspar, Senior Regional Planner	H-GAC
Amy Combs, Regional Planner	H-GAC



Stakeholders:

<b>Regional &amp; Regulatory Stakeholders</b>	<b>Representative Position/Title</b>	<b>Contact Method</b>
Brookshire/Katy Drainage District	President	Email
Houston-Galveston Area Council	Community and Environmental Planning Department	Email/Phone
Harris County Flood Control District	Floodplain Administer	Email
Office of Emergency Management	Waller County Emergency Management Coordinator	Email/Phone
Regional Homeland Security Council	H-GAC Public Services Planner	Email/Phone
Prairie View A&M University	Risk Management Services	Email
<b>Neighboring Jurisdictions</b>	<b>Representative Position/Title</b>	<b>Contact Method</b>
Austin County	Emergency Management Coordinator	Email/Phone
Montgomery County	Emergency Management Coordinator	Email/Phone
Harris County	Floodplain Manager, Flood Control District	Email/Phone
City of Katy	City Engineer, Floodplain Manager	Email/Phone
<b>Local Stakeholders</b>	<b>Representative Position/Title</b>	<b>Contact Method</b>
Waller County	Emergency Management Coordinator, County Engineer	Email/Phone
City of Brookshire	Director of Public Works	Email/Phone
City of Hempstead	City Secretary	Email
City of Pattison	Mayor and City Secretary	Email
Town of Pine Island	Mayor	Email
City of Prairie View	Chief of Police	Email/Phone
City of Waller	Superintendent of Public Works, City Secretary	Email

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**Relevant Goals and Objectives:**

*None*

**Relevant Actions:**

*None*

## Wharton County

**Year: 2016**

**Timeframe:**

- March 10<sup>th</sup>, 2015: Steering Committee/Stakeholder Meeting #1
- September 25<sup>th</sup>, 2015: Public Comment Period
- October 4<sup>th</sup>, 2016: Plan Approval Pending Adoption
- October 2016: Plan Adopted (Appendix D)
- \*A more detailed timeline can be found on pg 61

**Date of Next Planned Revision:**

- Plan update must occur every 5 years
- Anticipated update before 2020 (pg 480)

**Responsible Planning Agency (who prepared plan):** JSW & Associates, Halff Associates, Tetra Tech, Inc.

Jurisdictions Covered: Wharton County and the participating communities of the Cities of East Bernard, El Campo, and Wharton.

Planning Team:

TABLE 3-1. COUNTY AND CITY PLANNING PARTNERS		
Jurisdiction	Point of Contact	Title
Wharton County	Andy Kirkland	Emergency Management Coordinator
City of East Bernard	Audrey Wessels	City Secretary
City of El Campo	Gary Williamson	Emergency Management Coordinator
City of Wharton	Stephen Johnson	Emergency Management Coordinator

TABLE 3-2. STEERING COMMITTEE MEMBERS		
Name	Title	Jurisdiction
Andy Kirkland	Emergency Management Coordinator	Wharton County
Monica Martin	Floodplain Administrator	Wharton County
Leroy Dettling	County Commissioner	Wharton County
Debbie Cenko	DEMC	Wharton County/City of East Bernard
Audrey Wessels	City Secretary	City of East Bernard
Gary Williamson	Assistant Police Chief/ Emergency Management Coordinator	City of El Campo
Mindi Snyder	City Manager	City of El Campo
Liz Staff	Building Official	City of El Campo
Clay Harris	Director of Public Works	City of El Campo
Stephen Johnson	Emergency Management Coordinator	City of Wharton
Brandi Jimenez	Assistant to City Manager	City of Wharton
Joan Andel	Finance Director	City of Wharton
Ronnie Bollom	CFM, Building Official	City of Wharton
Amy Bergstrom	Communications Supervisor	City of Wharton
Richard Coleman	Assistant Police Chief	City of Wharton
Terry Lynch	Chief of Police	City of Wharton
Kyle Marchant	Director of Public Works	City of Wharton
John Kowalik	EMS Director	City of Wharton
Cheryl Urbanovsky	Assistant City Manager	City of Wharton

#### Stakeholders:

- No specific Stakeholders mentioned in HMP

#### **Relevant Goals and Objectives: (pg 21)**

- Goal 5: Promote growth in a sustainable manner.
  - Objective 5.2: Promote beneficial uses of hazardous areas while expanding open space and recreational opportunities.

#### **Relevant Actions:**

- Action 4: Acquire, reuse and preserve open spaces adjacent to flood prone areas. (pg 31) (City of Wharton, City Public Works Department)
- Action 9: Design and construct flood-use stream restoration/ channelization projects. Flood protection for existing structures and also encouragement for the development of new structures. (pg 32) (City of Wharton, Planning Department)

# Guadalupe River Basin

## Guadalupe River Authority

**Year:** 2018

**Timeframe:**

- September 28, 2017: stakeholder meeting (public)
- March 29, 2018: public meeting
- September 19, 2018: plan adopted

**Date of Next Planned Revision:**

- Plan will be updated every 5 years (pg 310)
- The Plan Update will be thoroughly reviewed by the Planning Team at the end of three years from the approval date (pg 310)

**Responsible Planning Agency (who prepared plan):** H2O Partners, Inc

**Jurisdictions Covered:** Caldwell, Calhoun, Comal, DeWitt, Gonzales, Guadalupe, Hays, Kendall, Refugio, and Victoria counties

Planning Team:

Table 2-1. Planning Team

ORGANIZATION	TITLE
Guadalupe-Blanco River Authority	Accounting Assistant
Guadalupe-Blanco River Authority	Assistant Chief Ranger - Lake Wood Park
Guadalupe-Blanco River Authority	Chief District Operator - WCWTP
Guadalupe-Blanco River Authority	Chief Operator - Luling WTP
Guadalupe-Blanco River Authority	Chief Operator - Port Lavaca WTP
Guadalupe-Blanco River Authority	Chief Operator - San Marcos WTP
Guadalupe-Blanco River Authority	Chief Operator-Western Canyon
Guadalupe-Blanco River Authority	Chief Ranger - Coletto Creek Park
Guadalupe-Blanco River Authority	Deputy Assistant - GBRA Headquarters

ORGANIZATION	TITLE
Guadalupe-Blanco River Authority	Deputy Division Manager - Hydro/RUD
Guadalupe-Blanco River Authority	Deputy FCO
Guadalupe-Blanco River Authority	Deputy General Manager
Guadalupe-Blanco River Authority	Deputy General Manager
Guadalupe-Blanco River Authority	Distribution Operator - Western Canyon
Guadalupe-Blanco River Authority	Division Manager - Calhoun & Refugio County
Guadalupe-Blanco River Authority	Division Manager - Hays & Caldwell County
Guadalupe-Blanco River Authority	Division Manager - Hydro/RUD
Guadalupe-Blanco River Authority	Division Manager - Western Canyon
Guadalupe-Blanco River Authority	Executive Manager of Project Engineering and Development
Guadalupe-Blanco River Authority	Executive Manager Operations and Water Quality
Guadalupe-Blanco River Authority	Grant Administrator - Seguin
Guadalupe-Blanco River Authority	Lab Director
Guadalupe-Blanco River Authority	Lockhart - Wastewater
Guadalupe-Blanco River Authority	Operator - Buda
Guadalupe-Blanco River Authority	Plant Manager - San Marcos WTP
Guadalupe-Blanco River Authority	Project and Community Representative
Guadalupe-Blanco River Authority	Project Coordinator
Guadalupe-Blanco River Authority	Reservoir Manager - Coieto Creek
Guadalupe-Blanco River Authority	RUD
Guadalupe-Blanco River Authority	RUD
Guadalupe-Blanco River Authority	Senior Advisor to the General Manager
Guadalupe-Blanco River Authority	Water Quality Project Manager

**Stakeholders:**

**Table 2-3. Stakeholder Working Group**

ORGANIZATION	TITLE
Caldwell County	Emergency Management Coordinator
Caldwell County	Public Works Administrator
Calhoun County	Emergency Management Coordinator
Calhoun County	Public Works Administrator
Comal County	Emergency Management Coordinator
Comal County	Public Works Administrator
DeWitt County	Emergency Management Coordinator
DeWitt County	Public Works Administrator
Gonzales County	Emergency Management Coordinator
Gonzales County	Public Works Administrator
Guadalupe County	Emergency Management Coordinator
Guadalupe County	Public Works Administrator
Hays County	Emergency Management Coordinator

**Relevant Goals and Objectives:**

- **Goal 3: Protect the environment (pg 225)**
  - Objective 3.1: Consider the secondary effects of disasters, such as hazardous waste and hazardous materials spills, when planning and developing mitigation projects.

**Relevant Actions:**

- Action 36: Acquire, conserve and utilize easements to prevent development of known hazard areas. (pg 277)

## Comal County

**Year:** 2017

**Timeframe:**

- January 31, 2017: kickoff workshop (public)
- February 15, 2017: Public meeting
- June 15, 2017: Risk assessment workshop (public)
- August 24, 2017: Mitigation workshop (public)

**Date of Next Planned Revision:**

- Plan will be updated every 5 years (pg 224)
- “It is recommended that the full Planning Team (Section 2, Table 2-2) meet to review the Plan at the end of 3 years” (pg 197)

**Responsible Planning Agency (who prepared plan):** H2O Partners, Inc

**Jurisdictions Covered:** unincorporated area of Comal County, the political border of the City of Bulverde, the City of Garden Ridge and the City of New Braunfels

Planning Team:

**Table 2-1. Executive Planning Team**

ORGANIZATION	TITLE
Comal County	Emergency Management Coordinator
City of Bulverde	Public Works Manager
City of Garden Ridge	Water Manager
City of New Braunfels	Emergency Management Coordinator

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**Table 2-2. Advisory Planning Team**

<b>ORGANIZATION</b>	<b>TITLE</b>
Comal County	County Engineer
Comal County	Assistant Engineer
Comal County	County Judge
Comal County	County Sheriff
Comal County	Fire Marshall
Comal County	Assistant Fire Marshall
Comal County	Public Health Director
Comal County	Public Health Director
Comal County	Public Health Emergency Preparedness Coordinator
Comal County	Fire Chief
Comal County	Lieutenant
Comal County	Public Information Officer
Comal County	IT Director
City of Bulverde	City Manager
City of Bulverde	Police Chief
City of Garden Ridge	City Manager
City of Garden Ridge	Police Chief
City of New Braunfels	Parks Superintendent
City of New Braunfels	Planner
City of New Braunfels	GIS Manager
City of New Braunfels	Grants Coordinator
City of New Braunfels	IT Director
City of New Braunfels	Senior Accountant
City of New Braunfels	Police Captain
City of New Braunfels	Assistant Library Director
City of New Braunfels	HR Director

<b>ORGANIZATION</b>	<b>TITLE</b>
City of New Braunfels	Training Officer
City of New Braunfels	Assistant Fire Chief
City of New Braunfels	Street Manager
City of New Braunfels	Finance Controller
City of New Braunfels	Fire Investigator

Stakeholders:

AGENCY	TITLE	PARTICIPATED
Bracken Fire Department	Fire Chief	
Bulverde Spring Branch Fire and EMS	Fire Chief	X
Bulverde Spring Branch Fire and EMS	Deputy Fire Chief	
CEMEX Balcones Quarry	Operations Manager	X
Christus Santa Rosa	Regional Emergency Manager	X
Comal ISD	Maintenance and Operations Director	
GBRA	Chief Engineer	
Gruene Historic District	Marketing Coordinator	X
Herald-Zeitung – Newspaper	Reporter	X
New Braunfels CERT	Incident Management Team	X
New Braunfels CERT	Emergency Operations Coordinator	X
New Braunfels Regional Rehab Hospital	Director of Engineering	
National Weather Service	Warning Coordinator Meteorologist	X
National Weather Service	Meteorologist	X
PEC	Dispatch Management	X
Resolute Health	Associate Administrator	
Resolute Health	Director Planning Operations	X
Schertz Fire Rescue/EM	Training/Safety Officer	

AGENCY	TITLE	PARTICIPATED
Schertz Fire Rescue	Fire Chief	
Schlitterbahn Waterparks and Resorts	General Manager	X
Schlitterbahn Waterparks and Resorts	Head of Security	
Spring Branch	Mayor	
TDEM	District Coordinator 18A	X
TDEM	District Coordinator 18B	X
Texas House of Representatives	Representative	
Texas Senate	Senator	
Texas State University	Student	X
USACE	Manager	X
WORD	General Manager	

**Relevant Goals and Objectives:**

- Goal 6: Promote growth in a sustainable manner. (pg 149)
  - Objective 6.2: Promote beneficial uses of hazardous areas while expanding open space and recreational opportunities.

**Relevant Actions:** *(Applies to the entire county unless otherwise stated)*

- Action 8: Remediate repetitive losses along the Guadalupe River by acquiring flood damaged structures and converting acquired land to open (green) space. (pg 160)



- Action 2: Adopt and implement a “green infrastructure” program for parks, nature preserves and greenbelts throughout the city. (pg 174) (Bulverde)
- Action 1: Remediate repetitive losses along the Guadalupe River by acquiring flood damaged structures and converting acquired land to open (green) space. (pg 188) (New Braunfels)

# Hays County

Year: 2017

## Timeframe:

- November – December 2016: Phase 1 (organize and review)
- November (2016) – January (2017): Phase 2 (Risk Assessment)
- January – April 2017: Phase 3 (Mitigation Strategy)
- November (2016) – April (2017): Phase 4 (Maintenance/ Implementation/ Update/Adoption)
- January – February 2018: Plan adopted by different all jurisdictions
- \*A more detailed schedule can be found on page 13 and 76

## Date of Next Planned Revision:

- Plan will be updated every 5 years

**Responsible Planning Agency (who prepared plan):** Jeffrey S. Ward & Associates, Inc. (JSWA) and Halff Associates. Primary point of contact for Hays County plan update is Ms. Kharley Bagley Smith (contact info on page 5)

**Jurisdictions Covered:** Village of Bear Creek, City of Buda, City of Dripping Springs, City of Hays, City of Kyle, City of Mountain, City of Niederwald, City of San Marcos, City of Umland, City of Wimberley, City of Woodcreek, Hays County

## Planning Team:

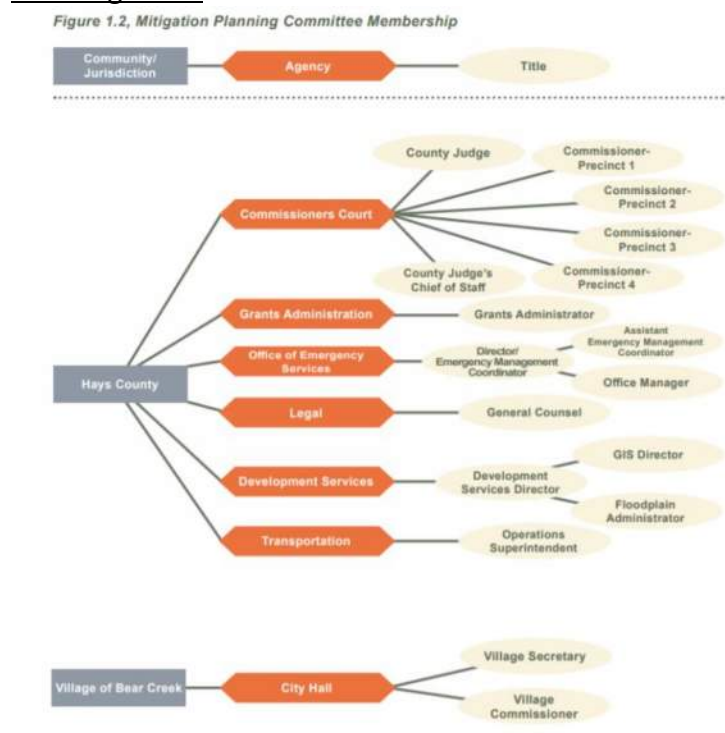


Figure 1.2, Mitigation Planning Committee Membership (Continued)

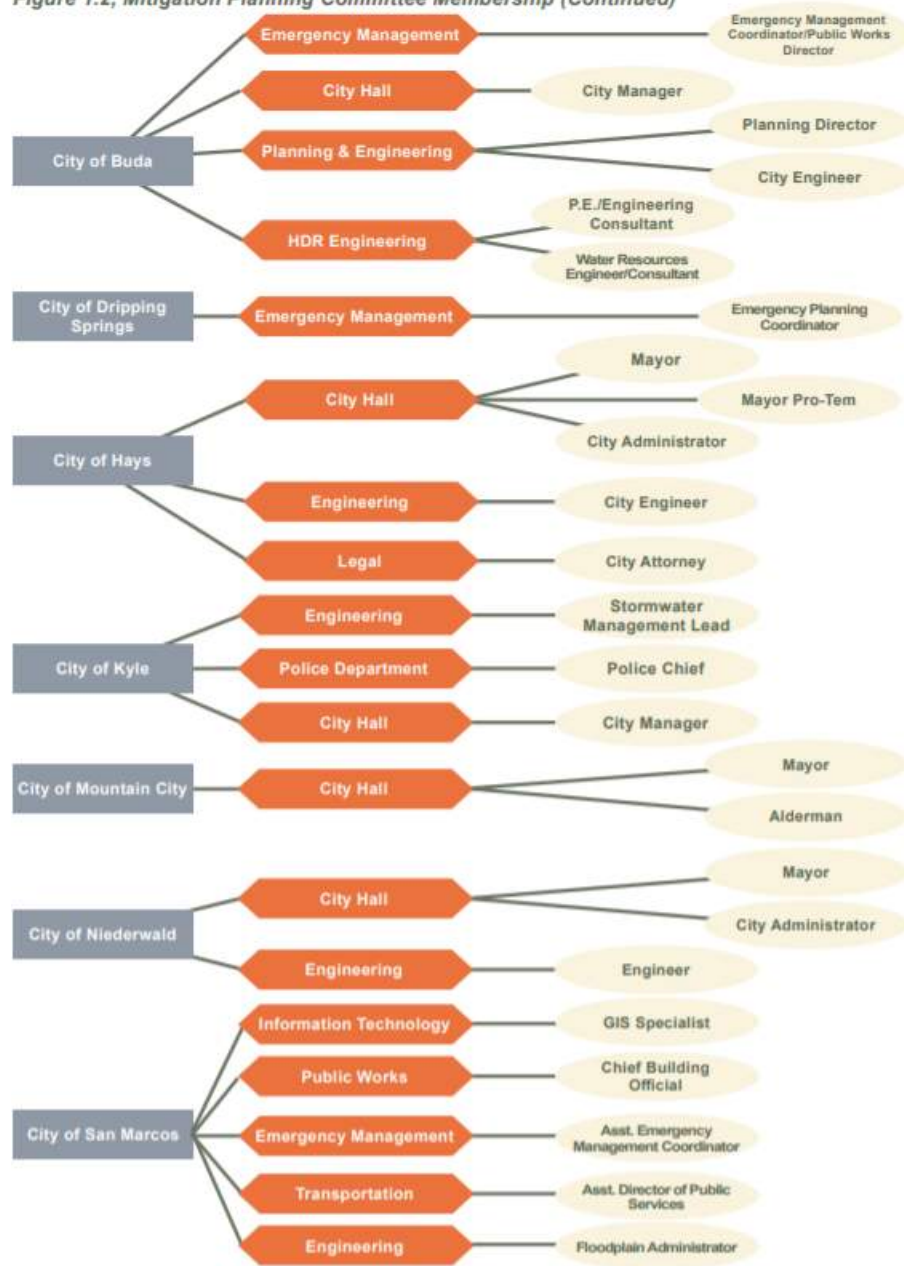
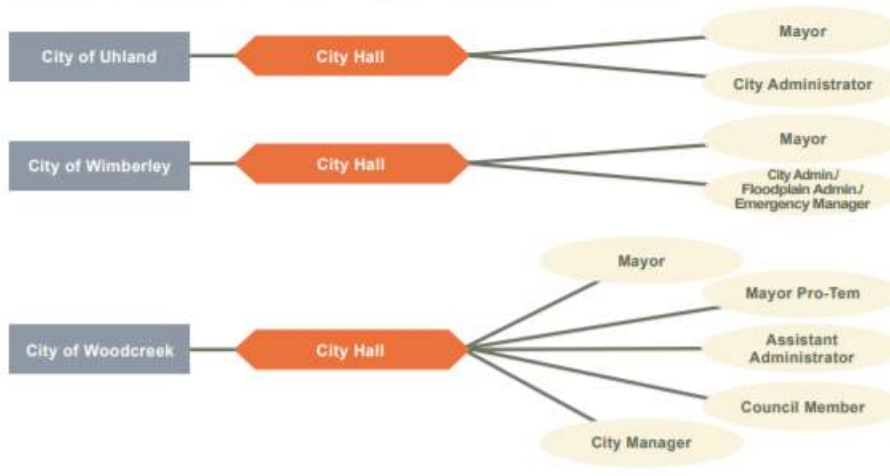


Figure 1.2, Mitigation Planning Committee Membership (Continued)



## Stakeholders:

Table 1.2, Plan Stakeholders

Jurisdiction	Agency	Title
Aqua Texas	Water Company	Public Relations
Bastrop County	Neighboring Community	County Judge
Bianco County	Neighboring Community	County Judge
Bluebonnet Electric Cooperative	Utilities	Community Representative Manager
BR3T	Association	Executive Director
Buda Chamber of Commerce	Non-Profit	BACC Managing Director
Caldwell County	Neighboring Community	County Judge
CAMPO - Capital Area Metropolitan Planning Organization	Planning	Community Outreach Manager
Charter Communications	Cable and Internet Provider	Field Ops Manager
Charter Communications	Cable and Internet Provider	Director, Government Relations
Charter Communications	Cable and Internet Provider	Field Ops Manager
Chisolm Trail Fire Rescue	Fire Department/EMS	Fire Chief
City of Buda	Fire Department/EMS	Fire Chief
City of Buda	Police Department	Police Chief
City of Buda	Engineering/Public Works	Water Specialist
City of Buda	Economic Development	Secretary
City of Buda	Government	Mayor
City of Buda	Parks and Recreation	Director
City of Dripping Springs	Legal	City Attorney
City of Dripping Springs	Public Works and Development/ Planning/Transportation/ Streets	Director
City of Dripping Springs	Public Works and Development	Code Enforcement Manager and Building Official
City of Dripping Springs	Parks and Recreation	Manager
City of Dripping Springs	Environmental Health Department	City Sanitarian
City of Dripping Springs	Government	City Administrator
City of Dripping Springs	Government	Constable
City of Dripping Springs	Planning Commission	Chair
City of Dripping Springs	Government	Mayor
City of Kyle	Engineering	City Engineer/Floodplain Administration/Emergency Management/Stormwater
City of Kyle	Economic Development	Director
City of Kyle	GIS	GIS Analyst
City of Kyle	Engineering	Project Manager/Floodplain

Table 1.2, Plan Stakeholders (cont.)

Jurisdiction	Agency	Title
City of Kyle	Engineering	Floodplain Administrator
City of Kyle	Communications	Director
City of Kyle	Planning	Director of Planning
City of Kyle	Finance	Director
City of Kyle	Building	Building Official
City of Kyle	Government	City Manager
City of Kyle	Fire Department/EMS	Fire Chief
City of Kyle	Parks and Recreation	Director
City of Kyle	Government	Mayor
City of Kyle	Public Works	Director
City of Niederwald	Legal	City Attorney
City of San Marcos	Parks and Recreation	Assistant Director of Community Services
City of San Marcos	Government	Mayor
City of San Marcos	GIS	GIS Enterprise Manager
City of San Marcos	Police Department	Assistant Chief
City of San Marcos	Planning & Development	Director
City of San Marcos	Government	Assistant City Manager/CFO
City of San Marcos	Engineering	Senior Engineer
City of San Marcos	Fire Department	Assistant Fire Chief, Operations and Training
City of San Marcos	Police Department	Police Chief
City of San Marcos	Fire Department	Fire Chief
City of San Marcos	Parks and Recreation	Parks Operations Manager
City of San Marcos	Transportation	Stormwater Systems Manager
City of Wimberley	Building Code Enforcement	Public Works Assistant
City of Wimberley	Fire Department	Fire Chief
City of Wimberley	Environmental Health	Inspector
City of Wimberley	Parks and Recreation	Blue Hole Regional Park Manager
City of Wimberley	City Attorney	Attorney
City of Woodcreek	Cypress Point Property Owners Association	President
City of Woodcreek	Legal	City Attorney
City of Woodcreek	Planning	Director
City of Woodcreek	City Hall	Council member
City of Woodcreek	Woodcreek Property Owners Association	President
Comal County	Neighboring Community	County Judge

**Table 1.2, Plan Stakeholders (cont.)**

Jurisdiction	Agency	Title
Dripping Springs Chamber of Commerce	Non-Profit	Public Affairs
Dripping Springs HEB	Industry	Store Manager
Dripping Springs Home Depot	Industry	Store Manager
Dripping Springs ISD	School District	Superintendent
Dripping Springs ISD	School District	Emergency Management Coordinator
Dripping Springs Patriot Erectors	Industry	HR/Accounts Payable
Dripping Springs Water Supply	Water Corporation	Customer Support
Frontier	Cable	Government Relations
GBRA	River Authority	Engineer
GBRA	River Authority	Project 4 Community Representative
Goforth Water	Water Company	General Manager
Guadalupe County	Emergency Management	Coordinator
Hays CISD	School District	Director of Student Services
Hays CISD	School District	Superintendent
Hays County	Sheriff's Office	Sheriff
Hays County	Development Services	Natural Resources Manager
Hays County	Sheriff's Office	Lieutenant
Hays County	Parks and Recreation	Lead Parks Specialist
Hays Trinity Groundwater Conservation District	Water District	Public Outreach
LCRA	River Authority	Account Manager Senior
North Hays County Fire & Rescue	Fire Department/EMS	Fire Chief
North Hays County Fire & Rescue	Fire Department/EMS	Lieutenant
Pedernales Electric Cooperative	Electric Co-operative	Chief Executive Officer
San Marcos Chamber of Commerce	Non-Profit	Administrative Assistant
San Marcos CISD	School District	Superintendent
San Marcos Council of Neighborhood Associations	Non-Profit	Representative
San Marcos Greenbelt Alliance	Non-Profit	President
San Marcos River Foundation	Non-Profit	Program Director
South Hays Fire	Fire Department	Fire Chief
Spectrum (Charter)	Cable	Public Relations
Texas State Police Department	Police Department	Police Chief

**Table 1.2, Plan Stakeholders (cont.)**

Jurisdiction	Agency	Title
Texas State University	University	Emergency Management Coordinator
Travis County	Neighboring Community	Emergency Management Coordinator
Village of Bear Creek	Government	Mayor
Water Supply	Wimberley Water Supply Corporation	General Manager
West Travis County PUA	Association	Public Outreach
Wimberley Chamber of Commerce	Association	Public Outreach
Wimberley ISD	School District	Superintendent

**Note – Plan indicates that various natural area/habitat conservation plans were used as sources in the development of the plan:**

- Jacob's Well Natural Area Master Plan used as a source to incorporate in this HMP (pg 85)
- Hays County Regional Habitat Conservation Plan used as a source to incorporate in this HMP which includes mention of bird habitat protection (pg 85)
- 2016 Kyle Parks and Recreation Master Plan used as a source to incorporate in this HMP which includes mention of greenways (pg 360)
- Vision San Marcos: A River Runs Through Us Comprehensive Plan used as a source to incorporate in this HMP which includes mention of relevant "green" mitigation strategies (pg 517)

**Relevant Goals and Objectives (pg 68):**

- Goal 1: Enhance the abilities of Hays County, and the communities within its boundaries to provide protection of life, property, economy and natural systems from natural hazards.

**Relevant Actions:**

- Action 18: Enhancement on existing Parks program item that placed riparian zone signs in areas where park land vegetation is left natural. Action would map the points of the sign placement using GIS. (pg 393) (City of Kyle)
- Action 28: Selection of a municipal park where all or a portion of the site may be restored to a natural grassland or woodland. (pg 397) (City of Kyle)
- Action 29: For improved drainage and public recreation, this project also called a Riparian Corridor Land Assembly will be a project that interconnects greenways into a trail system that connects across Kyle. (pg 397) (City of Kyle)
- Action 20: Land Conservation for Aquifer Recharge (pg 551) (City of San Marcos)



## Kendall County

**Year:** 2017

**Timeframe:**

- February 8, 2016: kickoff workshop (hazard identification) (public)
- May 5, 2016: Risk assessment workshop (public)
- July 26, 2016: Mitigation workshop (public)

**Date of Next Planned Revision:**

- Plan will be updated every 5 years (pg 224)
- The Plan Update will be thoroughly reviewed by the Planning Team at the end of three years from the approval date (pg 224)

**Responsible Planning Agency (who prepared plan):** H2O Partners, Inc

**Jurisdictions Covered:** unincorporated area of Kendall County and the City of Boerne.

Planning Team:

Table 2-1. Advisory Planning Team

ORGANIZATION	TITLE
Kendall County Office of Emergency Management	Emergency Management Coordinator
Kendall County	County Judge
City of Boerne Fire Marshal's Office	Emergency Management Coordinator

Table 2-2. Planning Team Members

ORGANIZATION	TITLE
Kendall County Office of Emergency Management	Assistant Emergency Management Coordinator/Assistant to the Fire Marshal
Waring Fire Department	Fire Chief
Boerne Independent School District	Director of Facilities and Construction
Comfort Independent School District	Superintendent
City of Boerne	Chief of Police
City of Boerne Public Works	Director
City of Boerne Fire Department	Fire Chief
City of Boerne Fire Department	Assistant Fire Chief
Kendall County Sherriff's Office	Sheriff
Kendall County Sherriff's Office	Chief Deputy
Sisterdale Volunteer Fire Department	Volunteer
Kendall County Road & Bridge	Staff
Kendall County Road & Bridge	Crew Leader
Kendall County Human Resources	Director
Kendall County	Auditor
Kendall County Development and Floodplain Management	Director
Kendall County Geographical Information System	Administrator
Comfort Floodplain Coalition	Committee Member

Stakeholders:

**Table A-3. Stakeholder Working Group**

AGENCY	TITLE
Texas State Senate District 25	State Senator for Boerne
Texas State House District 73	State Representative for Boerne
Comfort Chamber of Commerce	President
Pedernales Electric Cooperative	Vice President, Power Supply and Energy Services
Comfort Flood Coalition	Engineer
Lower Colorado River Authority	Senior Real Estate Representative
Bandera Electric Cooperative	District 8 Director, District 4 Director
Boerne Chamber of Commerce	Chairman
Boerne Kendall County Economic Development Corporation	CEO/President

AGENCY	TITLE
Southwest Texas Regional Advisory Council	Division Director
Methodist Health	Emergency Management Specialist
Methodist Healthcare System - Emergency Department	Vice President, Emergency Services
Cow Creek Groundwater Conservation District	Secretary
2-1-1 Texas Health and Human Services Commission	Human Services Coordinator

**Relevant Goals and Objectives:**

- Goal 3: Protect the environment (pg 164)
  - Objective 3.1: Consider the secondary effects of disasters, such as hazardous waste and hazardous materials spills, when planning and developing mitigation projects.

**Relevant Actions:**

*None*

Victoria County

**Year: 2018**

**Timeframe:**

- November 17, 2016: kickoff workshop (public)
- March 28, 2017: Risk Assessment Workshop (public)
- January 16, 2018: Approved
- May 14, 2018: Amended

**Date of Next Planned Revision:**

- Plan will be updated every 5 years (pg 216)
- “It is recommended that the full Planning Team (Section 2, Table 2-2) meet to review the Plan at the end of 3 years” (pg 216)

**Responsible Planning Agency (who prepared plan):** H2O Partners, Inc

**Jurisdictions Covered:** Victoria County, City of Victoria, Victoria ISD

Planning Team:

**Table 2-1. Planning Team**

JURISDICTION / DEPARTMENTS	TITLE
Victoria County/City of Victoria OEM	Emergency Management Coordinator
Victoria County/City of Victoria OEM	Deputy Emergency Management Coordinator
Victoria County/City of Victoria OEM	Program Coordinator/Emergency Planner
Victoria County	Captain of Enforcement
Victoria County	County Fire Marshal
Victoria County	Floodplain Manager

JURISDICTION / DEPARTMENTS	TITLE
Victoria County	Grant Administrator
Victoria County	Precinct #1 Supervisor
Victoria County	Precinct #4 Commissioner
Victoria County	Public Health Emergency Preparedness Coordinator
City of Victoria	Assistant Chief of Police
City of Victoria	Assistant Director of Development Services
City of Victoria	Assistant Fire Chief
City of Victoria	Chief of Police
City of Victoria	Deputy Director of Public Works
City of Victoria	Development Engineer/Floodplain Manager
City of Victoria	Fire Chief
City of Victoria	Network Engineer
Victoria Independent School District	VISD Director of Administration
Victoria Independent School District	RS Networking Consulting - President

Stakeholders:

**Table 2-3. Stakeholder Working Group**

AGENCY	TITLE	PARTICIPATED
Texas Department of Public Safety	District Coordinator, DDC 17	
Texas State Senator	State Senator	
Texas State Representatives	State Representatives	
University of Houston – Victoria	Risk/Emergency Management Coordinator UHV	

AGENCY	TITLE	PARTICIPATED
Victoria Chamber of Commerce	President/CEO	
Victoria Regional Airport	Manager	
TxDOT	TxDOT Area Engineer	
Golden Crescent Regional Planning Commission	Emergency Preparedness Coordinator	
Citizens Medical Center	Emergency Services Coordinator	X
Citizens Medical Center	Trauma Program Manager	X
Caterpillar	EHS Manager	
Port of Victoria	Executive Director	
Victoria College	Director of Police Academy	
Victoria College	Chief of Police and Campus Safety	

**Relevant Goals and Objectives:**

- Goal 6: Promote growth in a sustainable manner. (pg 149)
  - Objective 6.2: Promote beneficial uses of hazardous areas while expanding open space and recreational opportunities.

**Relevant Actions:** *(Applies to the entire county unless otherwise stated)*

- Action 9: Implement a stream restoration/channelization program to ensure adequate drainage/diversion of storm water, throughout various county low water crossings, streambeds, creek sheds, tributaries, and riverine areas. (pg 148)
- Action 9: Implement a stream restoration/channelization program to ensure adequate drainage/diversion of storm water, throughout various county low water crossings, streambeds, creek sheds, tributaries, and riverine areas. (pg 178) (City of Victoria)

# Texas

## Aransas County

**Year: 2017**

**Timeframe:**

- January 4, 2017: Kickoff Meeting Held, Capability Assessment issued; identified and evaluated hazards; begin drafting Plan
- August 17, 2017: Risk Assessment Workshop Held for Planning Team; Reviewed the Risk Analysis Results; Reviewed Mitigation Strategy objectives
- August 22, 2017: Mitigation Strategy Workshop Held for Planning Team; Reviewed and completed mitigation worksheets
- October 2, 2017: Submitted Plan Draft to TDEM for review
- November 3, 2017: FEMA Approval of PLAN; participating jurisdictions adopt PLAN by resolution

**Date of Next Planned Revision:**

- Plan will be updated every 5 years (pg 218)
- “The Plan will be thoroughly reviewed by the appointed Planning Team at the end of **three years** from the approval date to determine whether there have been any significant changes in the area that may necessitate changes in the types of mitigation actions proposed.” (pg 218)

**Responsible Planning Agency (who prepared plan):** Lockwood Andrews and Newnam, Inc

**Jurisdictions Covered:** Unincorporated Aransas County, City of Aransas Pass, Town of Fulton, and City of Rockport.

Planning Team:

**Table 2-1. Planning Team**

JURISDICTION	POSITION OR TITLE	AGENCY
Aransas County	Emergency Management Coordinator	Emergency Management
City of Aransas Pass	City Planner	Community Development
Town of Fulton	Chief of Police	Police Department
City of Rockport	Community Planner	Development Services Department

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Stakeholders:

**Table 2-5. Plan Stakeholders**

JURISDICTION / ENTITY	TITLE
Unincorporated Aransas County	Emergency Management Coordinator/Assistant County Engineer
City of Aransas Pass	Floodplain Manager, Community Planner
Town of Fulton	Emergency Management Coordinator/Mayor
City of Rockport	Mayor/City Planner/Director of Public Works/Emergency Management Coordinator
Rockport Parks Department	Parks Director
Aransas County Navigation District	Chairman
Aransas County School Superintendents	Superintendent ACISD
Mission-Aransas Reserve	Advisory Board
Aransas County AgriLife Extension	County Coordinator

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**Relevant Goals and Objectives:**

*None*

**Relevant Actions:** *(Applies to the entire county unless otherwise stated)*

- Action: Create a countywide wetlands preservation plan (pg 174)
- Action: St. Charles Bay Shoreline/Lamar Beach Road (and shell ridge road)(and Newcomb's point) - the creation of new habitat will provide erosion protection improvements (pg 179) (pg 190) (pg 191)
- Action: Purchase Gordon Stanley Pond (pg 210) (City of Rockport)
- Action: Little Bay Hydraulic Restoration - remove sediment from the bay and use it for nourishment and habitat restoration projects. The project will protect habitat from coastal erosion and improve the ecotourism economy (pg 212) (City of Rockport)

## Cameron County

**Year:** 2015

**Timeframe:**

- May 7, 2013: Kickoff workshop (public)
- May 8, 2013: Public meeting
- August 28, 2013: Public risk assessment webinar
- October 9, 2013: Mitigation workshop

**Date of Next Planned Revision:**

- \*[This link to the news article](#) says the their HMP expires in 2020 and they are currently in the process of making another one. Next meeting in April and final meeting in June. Contact Information Included in this link.
- Plan will be updated every 5 years (pg 259)
- “It is recommended that the full Planning Team meet to review the Plan at the end of 3 years” (pg 259)

**Responsible Planning Agency (who prepared plan):** H2O Partners, Inc with City of Harlingen

**Jurisdictions Covered:** Cameron County, City of Harlingen

Planning Team:

**Table A-1. Executive Committee – Organization and Title**

ORGANIZATION	TITLE
Cameron County	Deputy Emergency Management Coordinator
Cameron County	Planner
City of Harlingen	Assistant City Manager
City of Harlingen	Engineer-in-Training

**Table A-2. – Approving Body by Department/Title**

ORGANIZATION	TITLE
Cameron County Judge’s Office	County Judge
City of Harlingen	City Manager

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Stakeholders:

**Table A-3. Stakeholders and Contact Title**

Brownsville I.S.D	BISD Superintendent
Los Fresnos C.I.S.D.	LFCISD Superintendent
Rio Hondo I.S.D.	RHISD Superintendent
San Benito C.I.S.D.	SBCISD Superintendent
Texas Department of Transportation	Regional Director
Texas Department of Public Safety	District Engineer
Texas Commission on Environmental Quality	Senior Engineer
Environmental Protection Agency	Director, Environmental Health
Railroad Commission of Texas	Risk Manager
AEP Texas	Director
East Rio Hondo Water Supply	General Manager
Cameron County Drainage District #1	Manager
Cameron County Drainage Districts.#2 & #3,#4,#5	Manager
Texas Gas Service	Director

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**Relevant Goals and Objectives:**

*None*

**Relevant Actions:** *(Applies to the entire county unless otherwise stated)*

- Action 6: Work with General Land Office to develop and implement a dune restoration plan to protect roads and minimize washouts from flooding and tidal surge (pg 135)
- Action 10: Work with General Land Office to develop a living coastline constructed from natural materials derived from regional materials such as rock and seagrass (pg 139)

Jefferson County (Texas)

**Year:** 2017

**Timeframe:**

- March 30, 2016: kickoff workshop (public)
- June 1, 2016: Risk assessment workshop (public)
- August 24, 2016: Mitigation workshop (public)

**Date of Next Planned Revision:**

- Plan will be updated every 5 years (pg 678)
- “It is recommended that the full Planning Team meet to review the Plan at the end of 3 years” (pg 697)

**Responsible Planning Agency (who prepared plan):** H2O Partners, Inc with The South East Texas Regional Planning Commission

**Jurisdictions Covered:** Jefferson County, the City of Beaumont, the City of Bevil Oaks, the City of China, the City of Groves, the City of Nederland, the City of Nome, the City of Port Arthur, the City of Port Neches, and the South East Texas Regional Planning Commission

Planning Team:

**Table 2-1. Executive Planning Team**

ORGANIZATION/JURISDICTION	TITLE
Jefferson County	Emergency Management Coordinator
City of Beaumont	Emergency Management Coordinator
City of Bevil Oaks	Mayor/ Floodplain Manager
City of China	Mayor
City of Groves	Emergency Management Coordinator

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ORGANIZATION/JURISDICTION	TITLE
City of Nederland	Emergency Management Coordinator
City of Nome	Mayor
City of Port Arthur	Senior Planner
City of Port Neches	Emergency Management Coordinator
SETRPC	Homeland Security and Emergency Management Planning Director

**Table 2-2. Advisory Planning Team**

ORGANIZATION/JURISDICTION	TITLE
City of Beaumont	Communications Manager
City of Beaumont	Emergency Management Assistant
City of Beaumont	Emergency Management Specialist
City of Beaumont	Director of Technology Services
City of Beaumont Police Department	Assistant Chief
City of China	City Secretary
City of Nederland Police Department	Assistant Chief
City of Nome	City Secretary
City of Port Arthur	Senior Planner
City of Port Arthur Development Services	Director
City of Port Arthur Fire Department	Emergency Management Coordinator
City of Port Arthur Police Department	Emergency Management Coordinator
City of Port Neches Fire Department	Emergency Management Coordinator
City of Taylor Landing	Mayor
Jefferson County	Assistant Emergency Management Coordinator
SETRPC	Regional Emergency Planner

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Stakeholders:

**Table 2-4. Stakeholder Working Group**

AGENCY	TITLE	PARTICIPATED
Colonial Pipeline	Manager	X
Lamar University	Assistant Professor	X
Local Emergency Planning Committee	Chairperson	X
Jefferson County Drainage District 7	Graduate Engineer	X
Jefferson County Drainage District 7	Supervisor	X
RPS	Senior Consulting Engineer	X
South East Texas Disaster Recovery Group	Executive Director	X
Texas House of Representatives	Texas US Representative	X
Texas State Senate	Texas State Senator	
United Way	Executive Director	X
City of Kountze	Emergency Management Coordinator	X
City of Lumberton	City Manager	X

AGENCY	TITLE	PARTICIPATED
City of Rose Hill Acres	Mayor	X
City of Silsbee	Emergency Management Coordinator	X
City of Silsbee	Assistant Emergency Management Coordinator	X
City of Sour Lake	City Manager	X
City of Sour Lake	Police Chief	X
Hardin County	Emergency Management Coordinator	X
Hardin County	Floodplain Administrator	X
South East Texas Regional Planning Commission	Homeland Security and Emergency Management Planning Director	X
City of Bridge City	Emergency Management Coordinator	X
City of Orange	Deputy Chief/Emergency Management Coordinator	X
City of Pinehurst	Emergency Management Coordinator	X
City of Pine Forest	Emergency Management Coordinator	X
City of Rose City	City Secretary	X
City of Vidor Police Department	Emergency Management Coordinator	X
City of West Orange	Emergency Management Coordinator	X
Orange County	Tax Assessor-Collector	X
Orange County Office of Emergency Management	Deputy Emergency Management Coordinator	X
Orange County Office of Emergency Management	Emergency Management Coordinator	X

**Relevant Goals and Objectives:**

- Goal 6: Promote growth in a sustainable manner. (pg 223)

- Objective 6.2: Promote beneficial uses of hazardous areas while expanding open space and recreational opportunities.

**Relevant Actions:** *(Applies to the entire county unless otherwise stated)*

- Action 6: Restore sand dunes to protect inland resources during storm surge events. (pg 397)

## Nueces County

**Year:** 2017

**Timeframe:**

- January 4, 2017: Conduct Kickoff Meeting, Capability Assessment; identify and evaluate hazards; begin drafting MAP
- March 2, 2017: Conduct Risk Assessment WebEx Workshop for Planning Team; begin drafting Risk Analysis; review upcoming Mitigation Strategy objectives
- April 26, 2017: Provide MAP Draft to Planning Team at public meeting for review and comment
- May 1, 2017 Submit MAP Draft to TDEM for review and edits
- September 2017: FEMA Approval of PLAN; participating jurisdictions adopt PLAN by resolution

**Date of Next Planned Revision:**

- Plan will be updated every 5 years (pg 396)
- “The Plan will be thoroughly reviewed by the appointed Planning Team at the end of **three years** from the approval date to determine whether there have been any significant changes in the area that may necessitate changes in the types of mitigation actions proposed.” (pg 396)

**Responsible Planning Agency (who prepared plan):** Lockwood Andrews and Newnam, Inc

**Jurisdictions Covered:** Unincorporated Nueces County, City of Aqua Dulce, City of Bishop, City of Corpus Christi, City of Driscoll, City of Petronila, City of Port Aransas, City of Robstown, and Port of Corpus Christi Authority (PCCA)

Planning Team:

**Table 2-1. Planning Team**

JURISDICTION	POSITION OR TITLE	AGENCY
Nueces County*	Emergency Management Coordinator	Emergency Management
City of Agua Dulce	Mayor	Office of the Mayor
City of Bishop	Mayor	Office of the Mayor
City of Corpus Christi	Floodplain Manager	Development Services Department
City of Driscoll	Mayor	Office of the Mayor
City of Petronila	Mayor	Office of the Mayor
City of Port Aransas	Emergency Management Coordinator	Emergency Management
City of Robstown	Fire Chief / Emergency Management Coordinator	Fire Department
Port of Corpus Christi Authority	Public Safety Director Manager of Emergency Management	Security

\* County Emergency Management Coordinator serves the unincorporated areas of Nueces County and the cities of Agua Dulce, Bishop, Driscoll, and Petronila

Stakeholders:

**Table 2-5. Plan Stakeholders**

JURISDICTION / ENTITY	TITLE
Unincorporated Nueces County	Emergency Management Coordinator
City of Corpus Christi	Floodplain Manager, Interim Director of Development Services, Emergency Management Coordinator
City of Port Aransas	Emergency Management Coordinator
Port of Corpus Christi Authority	Director of Port Security, Public Safety Director
City of Robstown	Fire Chief/ Emergency Management Coordinator , Assistant Fire Chief
City of Bishop	Emergency Management Coordinator, Mayor, City Secretary
City of Driscoll	Emergency Management Coordinator, Mayor, Administrative Consultant
City of Agua Dulce	Emergency Management Coordinator, Mayor, City Secretary
City of Petronila	Emergency Management Coordinator, Mayor
Nueces County Coastal Parks Department	Parks Director
Nueces County Colonia Initiative Committee	Director
Nueces County School Superintendents	Superintendent CCISD
Nueces County Oso Creek Committee	Deputy Executive Director
Nueces County Drainage Districts 2	Superintendent
Nueces River Authority	Deputy Director
Nueces County Fire Chiefs Association	Director
Nueces County AgriLife Extension	County Coordinator

**Relevant Goals and Objectives:**

*None*

**Relevant Actions:** *(Applies to the entire county unless otherwise stated)*

- Action 26: This action is to create a plan to preserve the unique ecosystems encompassing Hazel Bazemore Park by restoring the park's natural resources through the mitigation and protection of its habitat while concurrently providing public access and ecotourism opportunities for park patrons. The objectives of the proposed project are to implement an environmentally engineered plan by executing erosion control techniques, constructing riverbank stabilization, remediation of native vegetation, providing public access through timber walkways and nature overlooks; and protecting and preserving the habitat through interpretive signage educating the public. (pg 372)
- Action 23: This project is to restore, enhance and expand an existing wetland in the Corpus Christi Beach area by excavating an upland area and creating a hydrologic connection between the wetlands and Corpus Christi Bay. The connection will create a mix of tidal and fresh water and increase the environment available to aquatic species. Educational and informational signs will inform the public about the environment and the ecological value of wetlands and create public awareness to further promote the conservation and protection of the area. (pg 374)



San Patricio County

**Year:** 2018

**Timeframe:**

- May 23, 2017: kickoff workshop (public)
- November 2, 2017: Risk Assessment Workshop (public)

**Date of Next Planned Revision:**

- Plan will be updated every 5 years (pg 316)
- “It is recommended that the full Planning Team (Section 2, Table 2-2) meet to review the Plan at the end of 3 years” (pg 316)

**Responsible Planning Agency (who prepared plan):** H2O Partners, Inc

**Jurisdictions Covered:** San Patricio County, City of Gregory, City of Ingleside, City of Ingleside on the Bay, City of Mathis, City of Odem, City of Portland, City of Sinton, City of Taft

Planning Team:

**Table 2-1. Executive Planning Team**

ORGANIZATION / DEPARTMENT	TITLE
San Patricio County	Floodplain Manager
San Patricio County	Emergency Management Coordinator
City of Gregory	City Administrator
City of Gregory	Mayor
City of Ingleside	Emergency Management Coordinator

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ORGANIZATION / DEPARTMENT	TITLE
City of Ingleside on the Bay	Mayor
City of Ingleside on the Bay	City Secretary
City of Mathis	City Manager
City of Odem	Hazard Mitigation Liaison
City of Portland	Fire Chief
City of Sinton	Chief of Police
City of Taft	Public Works Director

**Table 2-2. Advisory Planning Team**

ORGANIZATION / DEPARTMENT	TITLE
San Patricio County	Government Affairs / Public Information Officer
San Patricio County	E-911
City of Gregory Police Department	Lieutenant
City of Ingleside	City Manager
City of Ingleside on the Bay	Mayor Pro Tem
City of Mathis	EMC / EMS Director
City of Mathis	Assistant Director
City of Odem	Librarian
City of Portland	Assistant Fire Chief
City of Taft	Interim City Manager
City of Taft	W/WW Superintendent

Stakeholders:

**Table 2-4. Stakeholder Working Group**

AGENCY	TITLE	PARTICIPATED
American Red Cross	Regional Chief Operating Officer	
Aransas Pass	City Planner	
Aransas Pass ISD	Superintendent	X
City of Lake City	Mayor	X
City of Lakeside	Mayor	

AGENCY	TITLE	PARTICIPATED
City of Lakeside	City Secretary	X
City of Lakeside	City Council Person	X
City of Old San Patricio	Mayor	
City of Old San Patricio	Assistant	
Coastal Bend COG	Emergency Management Planner	
Coastal Bend Emergency Management Association	President	X
Gregory-Portland ISD	Superintendent	
Ingleside ISD	Superintendent	
Mathis ISD	Superintendent	
Odem-Edroy ISD	Superintendent	
Port of Corpus Christi Authority	Manager	
Portland TX Community News	Reporter	X
San Patricio Economic Development	Executive Director	
Sinton ISD	Superintendent	
State Senator for San Patricio County	Senator	
State Representative for San Patricio County	Representative	
Taft ISD	Superintendent	
Texas A&M Agrilife – San Patricio County Extension	County Extension Agent	X
Texas Forest Service	Staff Forester	

**Relevant Goals and Objectives:**

- Goal 3: Protect the environment. (pg 194)
  - OBJECTIVE 3.1: Consider the secondary effects of disasters, such as hazardous waste and hazardous materials spills, when planning and developing mitigation projects.

**Relevant Actions:**

*None*

# Louisiana

## Cameron Parish

**Year:** 2015

**Timeframe:**

- December 3, 2014: Kick off meeting
- March 24, 2015: Risk assessment meeting and public meeting
- May 2015: Final draft plan and public review
- June 2015: FEMA review
- August 2015: Plan adopted

**Date of Next Planned Revision:**

- Plan will be updated every 5 years (pg 131)

**Responsible Planning Agency (who prepared plan):** Stephenson Disaster Management Institute, Louisiana State University

**Jurisdictions Covered:** Cameron Parish, Unincorporated Areas

**Planning Team:**

Hazard Mitigation Plan Update Steering Committee

Member/Title	Jurisdiction/Entity	Phone/Email
Danny Lavergne OHSEP Director	Cameron OHSEP	<a href="mailto:Cameron_oeep@camtel.net">Cameron_oeep@camtel.net</a> (337)775-7048
Cassandra Duhon OHSEP Asst. Director	Cameron Parish OHSEP	<a href="mailto:Roe05@camtel.net">Roe05@camtel.net</a> (337)775-7048
Ryan Bourriague Parish Administration	Cameron Parish Government	<a href="mailto:ryanb@camtel.net">ryanb@camtel.net</a> (337)775-5718
Kara Bonsall Permit Secretary	Cameron Parish Government	<a href="mailto:Kb_cpj@camtel.net">Kb_cpj@camtel.net</a> (337)775-5718
Mark LaBoeuf Fire District #9	Cameron Parish	<a href="mailto:ogfd@camtel.net">ogfd@camtel.net</a> (337)274-8291
Toby Landry Fire District #4	Cameron Parish	<a href="mailto:Toby.landry@dnw.com">Toby.landry@dnw.com</a> (337)912-0045
Ronnie Doucet Johnson Bayou Fire Department	Cameron Parish	<a href="mailto:rwdoucett@gmail.com">rwdoucett@gmail.com</a> (337)526-7171
Paul Sellers Cameron Fire Department	Cameron, LA	<a href="mailto:psellers@hotmail.com">psellers@hotmail.com</a> (337)661-8780
Michael Welsh Hackberry Fire Department	Hackberry, LA	<a href="mailto:mlwhvfd@camtel.net">mlwhvfd@camtel.net</a> (337)274-2717
Lae Faulk Road Superintendent	Cameron Parish	<a href="mailto:Lf_cpj@camtel.net">Lf_cpj@camtel.net</a> (337)775-5718
Charles Adkins Superintendent of Schools	Cameron Parish	<a href="mailto:Charles_adkins@camsch.org">Charles_adkins@camsch.org</a> (337)775-5784
Chris Savoie Chief Deputy Police	Cameron Parish	<a href="mailto:chris@cameronso.org">chris@cameronso.org</a> (337)775-5111
Ron Johnson Sheriff	Cameron Parish	<a href="mailto:sheriffjohnson@gmail.com">sheriffjohnson@gmail.com</a> (337)775-5111
Clair Hebert Planning and Economic Development	Cameron Parish	<a href="mailto:clairh@camtel.net">clairh@camtel.net</a> (337)775-5718
Mona Kelley Tax Assessor	Cameron Parish	<a href="mailto:cpao@camtel.net">cpao@camtel.net</a> (337)775-5416
Dinah Landry Council on Aging	Cameron Parish	<a href="mailto:dlandry@aol.com">dlandry@aol.com</a> (337)598-5158
Cyndi Sellers Cameron Pilot/American Press	Cameron Parish	<a href="mailto:cyndisell@hotmail.com">cyndisell@hotmail.com</a> (337)764-3352

**Stakeholders:**

\*no specific stakeholders mentioned

**Relevant Goals and Objectives (pg 112):**

- Goal 10: Restore or protect natural resources, recreational areas, open space, or other environmental values

**Relevant Actions:**

*None*

## Iberia Parish

**Year: 2015**

**Timeframe:**

- July 9, 2014: Kick off meeting
- August 13, 2014: Public meeting
- October 7, 2014: Risk assessment meeting
- April, 2015: Final draft plan and public review
- June, 2015: FEMA review
- August, 2015: Plan adopted

**Date of Next Planned Revision:**

- Plan will be updated every 5 years

**Responsible Planning Agency (who prepared plan):** Stephenson Disaster Management Institute, Louisiana State University

**Jurisdictions Covered:** Town of Delcambre, City of Jeanerette, Village of Loreauville, City of New Iberia, Iberia Parish, Unincorporated Areas

**Planning Team:**

Member/Title	Jurisdiction/Entity	Address	Phone/Email
Errol Romero, Parish President	Parish of Iberia	300 Iberia St., Ste. 400 New Iberia, LA 70560	337-365-8246 eromero@iberiagov.net
Albert Broussard, Mayor	Village of Loreauville	P.O. Box 336 Loreauville, LA 70552	337-229-8306 al@loreauville.us
James Landry, Building Official	City of New Iberia	457 E. Main St., Ste. 412, New Iberia, LA 70560	337-369-2354 jlandry@cityofnewiberia.com
Herman Broussard, Director, Public Works	Parish of Iberia	5601 Avery Island Rd. New Iberia, LA 70560	337-364-8474 hbroussard@iberiagov.net
Leroy Landry, Director, DPW	City of New Iberia	1303 J. Allen Daigre Rd. New Iberia, LA 70560	337-364-8474 llandry@cityofnewiberia.com

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Carroll Broussard, Mayor	City of Delcambre	107 N. Railroad Delcambre, LA 70528	337-685-4462 delcam@delcambre.net
Tony Migues, Director, Parks and Recreation	City of New Iberia	300 Parkview Drive New Iberia, LA 70560	337-369-2337 tmigues@cityofnewiberia.com
Guy Bonin, Fire Chief	Iberia Parish Fire Protection District	2309 Avery Island Rd. New Iberia, LA 70560	337-365-5872 gonin@iberiapfd.com
April Foulcard, Mayor	City of Jeanerette	P.O. Box 209 Jeanerette, LA	337-276-4164 mayor@jeanerette.com
Prescott Marshall Director, Iberia OHSEP and 911	Parish of Iberia; Iberia Parish Communications District	300 Iberia St., Ste. B-130 New Iberia, LA 70560	337-369-4427 pmarshall@iberiagov.net
Buddy Smith, Interim Fire Chief	City of New Iberia	224 Prairie St. New Iberia, LA 70560	337-369-2370 bsmith@cityofnewiberia.com
Trent Hebert, Director of Plant Operations	Iberia Medical Center	2315 E. Main St. New Iberia, LA 70560	337-375-7197 mthebert@iberiamedicalcenter.com
Kevin Romero, Director of Therapy/Rehab Services	Dauterive Hospital	600 N. Lewis Ave. New Iberia, LA 70560	337-374-4309 Kevin.romero@progressiveacute.com
F. Jason Devillier, Airport Director	Acadiana Regional Airport	1404 Hangar Dr. New Iberia, LA 70560	337-65-7202 jdevillier@iberiagov.net
Joseph Gonzales, Executive Director	Iberia Parish Sewerage District No. 1	2617 Northside Rd. New Iberia, LA 70563	337-369-4413 jgonzales@iberiagov.net
Katie Landry Director, Recreation Department	Parish of Iberia	113 Willow Wood Dr. New Iberia, LA 70563	337-365-6197 klandry@iberiagov.net

**Stakeholders:**

\*no specific stakeholders mentioned

**Relevant Goals and Objectives:**

*None*

**Relevant Actions:** *(Applies to the entire county unless otherwise stated)*

- Action I14: Protect the lower planning area of the Parish from coastal erosion by creating marsh and shore protection at Weeks Bay. (pg 168)
- Action I15: This project is designed to re-create brackish marsh habitat in open water areas of the interior marsh primarily caused by hurricane damage. (pg 168)
- Action I16: Vermilion Bay Shoreline Restoration (pg 168)
- Action I14: Protect the lower planning area of the Parish from coastal erosion by creating marsh and shore protection at Weeks Bay. (pg 169)

## Jefferson Parish

**Year:** 2020

**Timeframe:**

- August 21, 2018–Kickoff and Hazards
- September 18, 2018–Problems/Risk
- October 23, 2018 –Goals
- December 4, 2018–Possible Activities
- January 15, 2019–Actions

**Date of Next Planned Revision:**

- Plan will be updated every 5 years

**Responsible Planning Agency (who prepared plan):** No specific agency mentioned

**Jurisdictions Covered:** Jefferson Parish, City of Gretna, City of Harahan, City of Kenner, City of Westwego, Town of Grand Isle, Town of Jean Lafitte



Planning Team:

Committee Member	Community	Department/ Organization	Representation	Member of Public (Y/N)
Aimee Vallot	Jefferson Parish	Dept. of Inspection and Code Enforcement	Preventive Measures	N
Anatola Thompson	Jefferson Parish	Solutient	Preventive Measures	Y
Antwan Harris	Jefferson Parish	Public Information Office	Public Information	N
Bruce Layburn	Jefferson Parish	Private	Property Protection	Y
Cody Muller	Westwego	Muller's Auto Supply	Emergency Services	Y
Danika Gorrondona	Gretna	Dept. of Building & Regulatory Inspections	Property Protection	N
Dena Frickey	Jean Lafitte	Levee Board	Structural Flood Control Projects	Y
Doug Dodt	Kenner	Office of Emergency Management	Emergency Services	N
Edwin Lauricella	Harahan	Dept. of Maintenance	Preventive Measures	N
Haley Delery	Gretna		Preventive Measures	Y
Joe Valiente	Jefferson Parish	Dept. of Emergency Management	Emergency Services	N
John Young	Metairie		Natural Resource Protection	Y
Kazem Alikhani	Jefferson Parish	ECM Consultants, Inc.	Structural Flood Control Projects	Y
Kevin Guffey	Kenner	Guffey Insurance	Public Information	Y
Lisa Tapia	Westwego	City Clerk	Public Information	N
Maggie Talley	Jefferson Parish	Dept. of Floodplain Management and Hazard Mitigation	Property Protection	N
Michael Wesley	Gretna		Member of the Public	Y
Michelle Gonzales	Harahan	Rostan	Property Protection	Y
Mike Lockwood	Jefferson Parish	Dept. of Environmental Affairs	Natural Resource Protection	N
Mike Stewart	Jefferson Parish	Bryant Hammett & Associates	Property Protection	Y

Committee Member	Community	Department/ Organization	Representation	Member of Public (Y/N)
Mitch Theriot	Jefferson Parish	Dept. of Drainage	Structural Flood Control Projects	N
Nicole Cooper	Jean Lafitte	Capital Projects	Natural Resource Protection	N
Nora Combel	Grand Isle	Building Dept.	Preventive Measures	N
Oneil Malbrough	Grand Isle	GIS Engineering, LLC	Natural Resource Protection	Y
Patrick Hamby	Jefferson Parish	Entergy	Emergency Services	Y
Ryan Daul	Jefferson Parish	Daul Insurance	Public Information	Y
Scott Eustis	Jefferson Parish	Gulf Restoration Network	Natural Resource Protection	Y
Shane Yokum	Jefferson Parish		Member of the Public	Y
Stephen Romig	Jefferson Parish		Community Land Use and Comprehensive Planning	Y
Terri Wilkinson	Jefferson Parish	Dept. of Planning and Zoning	Community Land Use and Comprehensive Planning	N
Walter Baudier	Metairie		Structural Flood Control Projects	Y

## Stakeholders

Coordinating Agencies					
Agency	Contacted by Email	Meeting/ Phone	Date	Points	Topic
City of New Orleans		Yes	2/26/2019	2	Call about hazard mitigation plan update and request for input
CPRA		Yes	3/6/2019	2	Call about hazard mitigation plan update and request for input
LPBF		Yes	2/12/2019	2	Call about hazard mitigation plan update and request for input
NOAA		Yes	2/20/2019	2	Call about hazard mitigation plan update and request for input
USDA/NRCA		Yes	2/28/2019	2	Call about hazard mitigation plan update and request for input
OCD		Yes	2/26/2019	2	Call about hazard mitigation plan update and request for input
Wright National Flood Insurance Services, LLC		Yes	2/27/2019	2	Call about hazard mitigation plan update and request for input
NORPC	Yes		10/19/2019	1	Request for relevant RPC plans for incorporation
Greater New Orleans Foundation		Yes	3/7/2019	2	Call about hazard mitigation plan update and request for input
Water Collaborative of Greater New Orleans		Yes	2/28/2019	2	Call about hazard mitigation plan update and request for input
Water Institute of the Gulf		Yes	2/25/2019	2	Call about hazard mitigation plan update and request for input
SLFPA - Flood Protection Authority		Yes	2/8/2019	2	Call about hazard mitigation plan update and request for input
Flood Protection Authority - East	Yes	Yes	3/6/2019	2	Call about hazard mitigation plan update and request for input
Lafourche Parish Government Floodplain Department		Yes	3/18/2019	2	Call about hazard mitigation plan update and request for input
UNO-CHART		Yes	3/18/2019	2	Call about hazard mitigation plan update and request for input
LSU Bert S. Turner Department of	Yes		3/14/2019	1	Request for relevant data for risk assessment analysis

### Relevant Goals and Objectives (10-12):

- Goal 3: Identify and pursue protective measures that will benefit the built environment and natural systems
- Goal 5: Invest in structural and green infrastructure projects to manage future risk

### Relevant Actions: *(Applies to the entire county unless otherwise stated) (No specific Action numbers)*

- P-6: Increase Open Space Areas (pg 287)
  - City of Gretna
  - City of Harahan
  - City of Kenner
  - City of Westwego
  - Town of Grand Isle
  - Town of Jean Lafitte
- FP-2: Update Stormwater Management Regulations (ex. compensatory storage for new construction, drainage study with new development, program for rain garden/green infrastructure incentives, permeable surface requirements, sewer backup/overflow protection program) (pg 289)
  - City of Gretna
  - City of Harahan

- City of Kenner
  - City of Westwego
  - Town of Grand Isle
  - Town of Jean Lafitte
- 
- NRP-1: Increase coastal protection (pg 291)
  - NRP-2: Build back march (pg 292)
  - NRP-2: Revitalize wetlands to protect City from surge (pg 303) (City of Gretna)
  - NRP-1: Use debris (fallen trees) after a strong hurricane for coastal restoration (like Christmas tree project) (Town of Grand Isle) (pg 341)
  - NRP-3: Natural Shoreline/ Dune Restoration (Town of Grand Isle) (pg 342)

## Lafourche Parish

**Year:** 2015

**Timeframe:**

- September 2014: Kick off meeting
- January 14, 2014: Risk Assessment Meeting
- April 2015: Public review
- June 2015: Final draft plan
- July 2015: FEMA review
- September 2015: Plan adopted

**Date of Next Planned Revision:**

- Plan will be updated every 5 years

**Responsible Planning Agency (who prepared plan):** Stephenson Disaster Management Institute, Louisiana State University

**Jurisdictions Covered:** Town of Golden Meadow, Lafourche Parish unincorporated areas, Town of Lockport, City of Thibodaux

**Planning Team:**

Name	Agency	Address	Email	Phone
Adrienne Labat	Building Code Enforcement	4876 HWY 1 Mathews 70375	labatav@lafourchegov.org	985-537-7603
Armand Autin	Lockport Volunteer Fire Department	10202 Hwy. 1, Lockport 70374	armand@valentinechemicals.com	9855323876
Brady Daigle	South Lafourche Ambulance Service	17078 W Main St Cut Off 70345	lad1bd@viscom.net	985-632-8638
Chad Davis	Acadian Ambulance	300 Hopkins St Lafayette 70501	cdavis@acadian.com	985-876-8704
Charlene Rodriguez	Lafourche Parish Council on Aging	4876 Highway 1, Mathews 70375.	lafcoadirector@mobilletel.com	985-537-7603
Charles Hudson	Jefferson Parish	910 3rd St. Gretna 70053	CHudson@jeffparish.net	504-349-5360
Chett Chiasson	Greater Lafourche Port Commission-Harbor Police	16829 E Main St Galliano 70354	chettc@portfourcho n.com	985-632-1101
Chris Boudreaux	Emergency Management	4876 HWY 1 Mathews 70375	chrisb@lafourchegov.org	985-537-7603
Chris Boudreaux	Chackbay Volunteer Fire Department	100 Hwy. 304, Thibodaux 70301	chrisb@lafourchegov.org	9856332828
Christine Mullarkey	American Red Cross	925 S. Labarre Rd Metairie 70001	Christine.Mullarkey@Redcross.org	504-915-8333
Craig Jaccuzzo	Nicholls State University	906 E 1st St Thibodaux 70310	craig.jaccuzzo@nicholls.edu	(985) 448-4746
Craig Rink	Choctaw Volunteer Fire Department	2854 Choctaw Rd., Thibodaux 70301	choctawfiredepartment@yahoo.com	9856332888

Name	Agency	Address	Email	Phone
Craig Webre	Lafourche Parish Sheriff's Office	200 Canal Blvd Thibodaux 70301	craig-webre@lpsso.net	985-447-2255
Daniel Lorraine	Lafourche Parish Council Dist#9	4876 Highway 1, Mathews 70375.	councildist9@lafourchegov.org	985-438-4122
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David Braud	St. Ann General Hospital	4608 LA1 Raceland 70394	dbraud@ochsner.org	985-537-6841
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Eric Benoit	Emergency Management	4876 HWY 1 Mathews 70375	ericb@lafourchegov.org	985-537-7603
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Errol Price	City Management	310 West Second St. Thibodaux 70301	eprice@ci.thibodaux.la.us	9854467218
Freddy Guidry	Lafourche Fire District #3	17462 W. Main St., Cut Off, 70345	freddy@lfpd3.com	9856328068
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Harvey Parks	Bayou Blue Fire Department	1870 Bayou Blue Rd., Gray 70359	hparks@pattersonservices.com	9858765234
Henri Boulet	LA1 Coalition	310 Ardoyne Dr Thibodaux 70310	henri.boulet@nicholls.edu	985-448-4485
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Jarrold Naquin	Lafourche Crossing 308 Fire Department	691 Hwy. 308, Thibodaux, 70301	jpn301@charter.net	9854483153
Jeffery Leuenberger	GIS	4876 Highway 1, Mathews 70375.	leuenbergerjl@lafourchegov.org	9854936610
Jennifer Dufrene	Parks and Recreation	4876 Highway 1, Mathews 70375.	recreation@lafourchegov.org	985-537-7603
Jerome Danos	Storm water Management	4876 Highway 1, Mathews 70375.	solidwastemgr@lafourchegov.org	985-537-7603
Jobe Boucvalt	St. John The Baptist Parish	1801 W. Airline HWY LaPlace 70068	publicsafety@sjbparish.com	985-652-2222
John Boudreaux	Assumption Parish	PO Box 520 Napoleonville 70390	johnboudreaux@assumptionoep.com	985-369-7386
John Davenport	Lady of the Sea General Hospital	200 West 134th Place Cut Off 70354	johnd@losgh.org	985-632-6401
Kathy Benoit	Thibodaux Chamber of Commerce	318 E Bayou RD Thibodaux 70301	kathy@thibodauxchamber.com	985-446-1187

Name	Agency	Address	Email	Phone
Kirk Chaisson	City Management	310 West Second St. Thibodaux 70301	kchaisson@ci.thibodaux.la.us	9854467218
Lin Kiger	Lafourche Parish Chamber of Commerce	107 W 26th St Larose 70373		985-693-6700
Lindsey Dufrene	Coastal Protection & Restoration Authority	4876 Highway 1, Mathews 70375.	ldufrenell@lafourche.gov.org	985-537-7603
Lisa Orgeron	City/Parish Attorney's Office	103 Maronge St Thibodaux 70301	civilada@lpda.org	985-447-2003
Luci Sposito	City Management	310 West Second St. Thibodaux 70301	lsposito@ci.thibodaux.la.us	9854467218
Maiguel Maggio	City Management	310 West Second St. Thibodaux 70301	mmaggio@ci.thibodaux.la.us	9854467218
Marilyn Benoit	City Management	310 West Second St. Thibodaux 70301	mboenit@ci.thibodaux.la.us	9854467218
Pam Roussel	Homeland Security and Emergency Preparedness		Pam.Roussel@LA.GOV	985-851-2900
Pat Matherne	Planning/Community Development	4876 Highway 1, Mathews 70375.	planning@lafourche.gov.org	985-537-7603
Randy Pate	Thibodaux Fire Department	800 Parish Rd., Thibodaux 70301	thibfiredept@charter.net	9854471986
Reggie Pitre	Golden Meadow Police	107 Jervis Drive Golden Meadow 70357	chief@townofgoldenmeadow-la.gov	985-475-5213
Richard Blanchard	Department of Public Safety	4047 West Park Ave Gray 70359	rblanchard@dps.state.la.us	985-857-3680
Ron Perry	St. Charles Parish	15045 River RD Hahnville 70057	rperry@stcharlesgov.net	985-783-5050
Scott Cortez	Bayou Boeuf Volunteer Fire Department	3447 Hwy. 307, Thibodaux 70301	scottcortez12@gamil.com	9856332649
Scott Silverii	Thibodaux Police Department	310 West Second St. Thibodaux 70301	policechief@ci.thibodaux.la.us	9854467288
Seth Holloway	Lafourche Parish School Board	805 E 7th St Thibodaux 70301	sholloway@lafourche.k12.la.us	985-435-4618
Spence Cressionie	Vacherie/Gheens Volunteer Fire Department	2273 Highway 654, Gheens 70355	vgvfc@myviscom.com	9855326593
Todd Detillier	Lafourche Fire District #1	102 ST Phillip st Raceland 70394	ffd1vchief601@gmail.com	985-537-5000
Tom Simons	City Management	310 West Second St. Thibodaux 70301	tsimons@ci.thibodaux.la.us	9854467218
Wendy Thibodeaux	Tax Assessor's Office	403 St Louis St Thibodaux 70301	wendy@lpao.net	9854477242

## Stakeholders:

\*no specific stakeholders mentioned

## Relevant Goals and Objectives (pg 14):

- Goal 1: Identify and pursue preventative structural and non-structural measures that will reduce future damages from hazards.

## Relevant Actions:

None

## Orleans Parish

**Year:** 2015 *\*The 2020 plan is currently being made and input can be presented through this [website](#)*

**Timeframe:**

- June 26, 2015 – Overview/Hazards: overview of the hazard mitigation planning process; review the 2010 Plan; hazards activity to rank hazards and discuss correlation to 2010 risk assessment
- July 13, 2015 –Assets and Goals: shared draft maps and discussed data sources; exercise to develop updated goals for 2015 Plan
- July 31, 2015 – History of Impacts: update on risk assessment; discussion of proposed goals; hazards exercise to discuss what could have been done to reduce impacts of different hazards in past 5 years
- August 13, 2015 – Risk Assessment: update on risk assessment; overview of hazard impacts
- September 14, 2015 – Mitigation Strategies: mitigation actions activity to determine how actions fit under updated goals
- September 25, 2015 – Capabilities/Implementation: capability assessment and mitigation action implementation activities to determine process for city departments to implement mitigations strategies
- October 9, 2015 – Hazards Ranking/Draft Review: activity to rank hazards; review draft of 2015 Plan Update
- October 23, 2015 – Final Draft Review: review of final 2015 Plan Update prior to submittal to GOHSEP

**Date of Next Planned Revision:**

- Plan will be updated every 5 years
- **The 2020 plan is currently being made and input can be presented through this [website](#)**

**Responsible Planning Agency (who prepared plan):** New Orleans NOHSEP Hazard Mitigation Office (pg 35)

**Jurisdictions Covered:** City of New Orleans

Planning Team:

Advisory Committee		
Organization	Participants	Title
UNO/CHART	Monica Farris	Director
Lowlander Center	Shirley Laska	Board Member
Tulane Institute on Water Resources Law Policy	Mark Davis	Director
New Orleans Redevelopment Authority	Jerry Graves	Director of Land Stewardship
Sewerage & Water Board	Jason Higginbotham	Director of Emergency Management
Regional Planning Commission	Meredith Soniat	Sustainability Planner
City of New Orleans Stormwater Manager	Prisca Weems	Storm Water Manager
New Orleans Redevelopment Authority	David Lessenger	Director of Planning and Strategy
South Louisiana Flood Protection Authority East	Robert Turner	Regional Director
NOHSEP Office of Emergency Preparedness (OEP)	Dev Jani	Chief, Planning & Preparedness

Louisiana Public Health Institute Advisor to the City of New Orleans	Jennifer Ruley	Advisor to the City of New Orleans
South Louisiana Flood Protection Authority East	Steven Spencer	Chief Engineer
UNO/CHART	Tara Lambeth	Assistant Director
Governor's Office of Homeland Security and Emergency Preparedness	Nicolette English	Hazard Mitigation Planner
Governor's Office of Homeland Security and Emergency Preparedness	Jeffrey Giering	State Hazard Mitigation Officer



Stakeholders:

Participants at Non-Profits and Co	
Organization	
UNO/CHART	Monica Harris/Director
UNO/CHART	Tara Lambeth/Assistant Director
Louisiana Emergency Management Disability & Aging Coalition	Joan Guillory/Project Coordinator
New Orleans Americans with Disabilities Act Administrator	Page McCranie/Administrator
Evacuteer	Kali Rapp Roy/Executive Director
New Orleans Health Department/New Orleans Medical Reserve Corps (NOHD/NOMRC)	Bijal Patel/Emergency Preparedness Analyst
Friends of Lafitte Greenway	Sophie Harris/Executive Director
Friends of Lafitte Greenway	Nellie Catzen/Coordinator
Oxfam / Latino Forum	Rosa Herrin/Gulf Coast Policy Officer
La. Appleseed	Tara Richard/Program Director
Sierra Club	Darryl Malek-Wiley/Environmental Justice Associate Representative
Common Ground Relief	Thom Pepper/Operations Director
CNO - Hazard Mitigation Office	Brad Case/Director
Louisiana Department of Health and Hospitals (LA DHH)	Cynthia Davidson/ Public Health Emergency Regional Coordinator (PHERC)
Puentes New Orleans	Kenneth Roubon/Grant Writer, Development Coordinator
Water Works LA	Alessandra Jerolleman/Vice President
Water Works LA	Miriam Belblidia/ Chief Executive Officer

**Relevant Goals and Objectives (pg 11):**

- Goal 3: Reduce risk and vulnerability to the natural environment including wetland restoration and recognition of New Orleans as a coastal city.

**Relevant Actions: (Applies to the entire county unless otherwise stated)**

- Action 4: Citywide Enhancements to Street Drainage. This project will provide \$500K-\$2 million in green infrastructure enhancement such as curb cutouts, green sidewalks, above and below ground storage tanks, and neutral ground enhancements to the FEMA Recovery Roads pavement restoration and waterline replacement projects and bond funded reconstruction projects in the Gentilly District. This product will benefit the entire city. This product includes a component for groundwater monitoring and sewerage pumping data collection. (pg 242)
- Action 6: St. Roch Streetscape Improvements by the Sewerage and Water Board. The primary problem this activity will address is repetitive flooding. Approximately 540 properties in the area

suffer repetitive damage. It will also improve the water quality of Lake Pontchartrain. The project will upgrade drainage ditches as well as provide green infrastructure enhancements to better manage groundwater. There is also a subsidence monitoring component. This project will reduce pressure on the existing piping system. Benefits of this project will include beautification, improved recreational areas, flood mitigation, and social cohesion. (243)

- Action 7: Mirabeau Water Park. The project will daylight 1/3 flow of neighborhood trunk line into the water park to store/cleanse/alleviate pressure on Pump Station #14 during peak flow periods. This project will address repetitive flood and sending untreated polluted water to Lake Pontchartrain. This project will provide benefits to over 3,000 acres, 3717 homes and businesses. It will provide improved water quality, habitat creation, recreation, and serve as an economic development opportunity. This project will support nearby streetscape enhancements. (pg 244)
- Action 9: Pontilly Project. Scattered site green infrastructure interventions including increasing the capacity of and improving flow to the Dwyer canal, vacant lots graded and planted to detain stormwater, bioswales, and curb bumpouts. This project will benefit residents in the Pontchartrain and Gentilly Woods neighborhoods. These projects will decrease flood risk but will also provide recreational space, beautify the neighborhood, rebalance the real estate market by taking surplus properties off the market, improve walkability, and increase community pride. (pg 246)
- Action 11: Install rain gardens and storm water runoff filtration and water retention systems along streets to reduce subsidence and flooding. Develop and advocate the necessary site design and landscape standards for streets, neighborhoods, and building sites. (pg 247)
- Action 1: The Golden Triangle Marsh Creation Project will build over 600 acres of marsh. The marsh will function as support for the Inner Harbor Navigation Canal – Lake Borgne Surge Barrier increasing flood protection for nearby communities. The Golden Triangle Marsh Creation Project creates marsh within the boundaries of Bayou Sauvage, the largest urban wildlife refuge in the United States, leading to an increase in the refuge’s wildlife and fish habitat (pg 251)
- Action 2: The Biloxi Marsh Living Shoreline Project. The Biloxi Marshes consist of approximately 49,000 hectares of brackish and salt marshes, which provide important storm buffer for New Orleans as well as key habitat and ecosystem services. The marshes have been greatly impacted by shoreline erosion from wind-driven waves. The proposed Biloxi Marsh Living Shoreline project, if implemented in the future, would create approximately 47,000 feet of bioengineered oyster barrier reef fringing the marshes, which would reduce shoreline erosion and recession, prevent further marsh degradation, promote community resilience, and enhance local fisheries and oyster production. (pg 251)
- Action 3: Work with the EPA to develop and implement the Gulf of Mexico Conservation Enhancement Grant Program (GMCEGP), a funding assistance opportunity to enhance private/public partnerships that support land protection and conservation across the Gulf Coast

region. This program would be available to land conservation organizations such as land trusts, non-governmental organizations (NGOs), and state land preservation agencies across the Gulf of Mexico region through a competitive grant selection process. Two categories of activities: Category 1 is the solicitation and approval of designs submitted to a competition that EPA will under the program; Category 2 is proposed for potential future funding and would allow for the implementation of the planning project. (pg 252)

- Action 4: Gulf of Mexico Habitat Restoration via Conservation Corps Partnership Program to recruit and train local workers in a variety of habitat restoration techniques and provide paid, hands-on work experience in on-the-ground restoration projects. These jobs vary depending upon the scope of the project, but can include operators, machinists, welders, surveyors, and a variety of laborers, (pg 253)
- Action 7: Restore protective wetlands near Fort Pike (pg 254)
- Action 8: Develop Parish wetlands regulations that provide the intent of the regulation for flood storage. (pg 254)
- Action 20: Incorporate climate change impacts into all planning. (pg 264)

## Plaquemines Parish

**Year: 2015**

### Timeframe:

- June 23, 2014: Steering Committee Meetings
- August 21, 2014: Steering Committee Meetings
- November 17, 2014: Steering Committee Meetings
- July 23, 2014: Civic Committee Meetings
- September 24, 2014: Civic Committee Meetings
- November 20, 2014: Civic Committee Meetings
- September 11, 2014: Public Meetings
- September 24, 2014: Public Meeting
- APRIL 9, 2015: Plan Adopted

### Date of Next Planned Revision:

- Plan will be updated every 5 years

**Responsible Planning Agency (who prepared plan): GCR.INC**

### Jurisdictions Covered:

#### Planning Team:

Organization	T	S	Name	Title	Email	Phone	Address
<b>Local Agencies</b>							
Building Code Enforcement		X	Mike Metcalf	Superintendent	mmetcall@ppgov.net	5049346202	
City Management/Parish Administration	X		Benny Puckett	Grants Administrator	bpuckett@ppgov.net		8056 Highway 23, Suite 308 Belle Chasse, LA 70037
Emergency Management	X		Guy Laigast	Director PPOHSEP	oep@ppgov.net	5042742476	8056 Highway 23, Suite 308 Belle Chasse, LA 70037
Fire Department	X		Roy Robichaux	Superintendent	ppfd@plaqueminesparish.com	5043944070	333 F. Edward Hebert Blvd., Bldg. 800 Belle Chasse, LA 70037
Floodplain Manager		X	Mike Metcalf				
GIS		X	Robert Spears	GIS	rspears@ppgov.net	5042975343	102 Ave. G. Belle Chasse, LA 70037
Parks and Recreation			N/A				
Planning/Community Development							
Public Works	X		Ken Dugas	Parish Engineer	ken_dugas@ppgov.net	5042975343	102 Ave. G Belle Chasse, LA 70037
Stormwater Management	X		Greg Simpson	Drainage Superintendent	greg_simpson@ppgov.net	5043943290	206 Pump Station Rd, Belle Chasse, LA 70037
Transportation (Roads & Bridges)	X		Ken Dugas				
City Council / Police Jury	X		Kirk Lepine	Parish Council Chairman	district3@plaqueminesparish.com	5042975303	106 Avenue G Belle Chasse, La 70037
City / Parish Attorney's Office							
Economic Development Agency	X		Jody Gilbeau	PABI		5045642521	
Police / Sheriff's Department	X		Jerry Tulrich	PP Sheriff's Office	jtulrich@ppso.net	5042975120	302 Main Street Belle Chasse, Louisiana 70037

Tax Assessor's Office	X	Bobby Gravolet	Assessor	assessor@plaquao.com	5042975256	301 Main St Suites 210-213, Belle Chasse, LA 70037
<b>Non-Governmental Organizations</b>						
American Red Cross						
Chamber of Commerce						
Community Organizations	X	Rachel Rodi	YMCA Manager	rachelr@ymcaneuorleans.org	5043929622	8101 Louisiana 23, Belle Chasse, LA 70037
Faith Based Organizations						
Homeowners Associations						
Utility Companies	X	Robert Morgan	SevernTrent (Water)	rmorgan@stes.com	5043912386	203 Main Street Belle Chasse, LA 70037

**Relevant Goals and Objectives (10-12):**

- Goal 4: Protect existing public and private infrastructure from damage
  - o Objective 4.2: Promote preservation and/or conservation of flood prone areas for parish parks, recreation areas, and general flood plain management.

**Relevant Actions:** *(Applies to the entire county unless otherwise stated) (No specific Action numbers)*

- Action 2.3.1: Restore marshland. (pg 74)
- Action 2.3.2: Create man-made and natural barriers to coastal erosion. (pg 75)

## St. Mary Parish

**Year:** 2014

**Timeframe:**

- February 12<sup>th</sup>, 2014: Kick off meeting
- March 6, 2014: Public meeting
- April 16, 2014: Draft plan review meeting
- July 2014: Final draft up for adoption

**Date of Next Planned Revision:**

- Plan will be updated every 5 years
- The plan is supposed to be updated in 2019 (pg 26) but no recent update can be found on the internet

**Responsible Planning Agency (who prepared plan):** No specific planning agency mentioned

**Jurisdictions Covered:** Town of Baldwin, Town of Berwick, Patterson, Berwick, Morgan City, Cypremort Point, Chitimacha Tribe of Louisiana—Unincorporated Area, Reservation Lands

Planning Team:

\*No specific planning team members mentioned

Stakeholders:

\*no specific stakeholders mentioned

**Relevant Goals and Objectives (pg 76):**

- Goal 4: Facilitate responsible future development in the parish to reduce or eliminate the potential impacts of disasters
  - Objective 4.2: Promote preservation and/or conservation of flood prone areas for parish parks, recreation areas, and general flood plain management
- Goal 5: Continue state and federal efforts to restore and preserve the parish coastal shoreline particularly as it relates to Coastal Wetland Planning, Protection, and Restoration Act (CWPPRA), Louisiana Department of Natural Resources Coastal Zone Management, and the U. S. Army Corps of Engineers
  - Objective 6.3: Continue to seek CWPPRA, other federal, and state funds for coastal erosion mitigation
  - Objective 6.4: Continue coastal protection projects to help reduce coastal erosion

**Relevant Actions:** *(Applies to the entire county unless otherwise stated)*

- Action 4.2.1: Participate in existing programs at the state and federal levels oriented to environmental enhancement and conservation (pg 82)
- Action 6.4.1: Increase Sediment Transport from Atchafalaya Rive down Wax Lake Outlet for marsh enhancement and restoration (pg 85)

## St. Bernard Parish

**Year: 2016**

**Timeframe:**

- June 2015: Kick off meeting
- August 2015: Risk Assessment Meeting
- August 2015: Public review
- August 2015: Final draft plan
- September 2015: FEMA review
- December 2015: Plan adopted

**Date of Next Planned Revision:**

- Plan will be updated every 5 years

**Responsible Planning Agency (who prepared plan):** Stephenson Disaster Management Institute, Louisiana State University

**Jurisdictions Covered:** St. Bernard Parish, unincorporated areas

**Planning Team:**

<i>Name</i>	<i>Title and Organization</i>	<i>Responsibility</i>
<i>David Peralta</i>	President St. Bernard Parish	Chairman, Public Participation
<i>Mike Hunnicutt</i>	St. Bernard Parish Hazard Mitigation Program Manager	Lead Person for HMP Development. Planning and Coordination of plan development, committee meetings and public meetings.
<i>John Rahaim, Jr.</i>	Deputy Director, St. Bernard Parish OHSEP	Review hazard profiles and risk assessment data, develop mitigation strategy.
<i>Jason Stopa</i>	Director, St. Bernard Parish Community Development	Review risk assessment data, provide permitting and development data, provide repetitive loss structure data, develop mitigation strategy.
<i>Hillary Nunez</i>	Director, St. Bernard Parish Public Works Department	Provide information on parish buildings, flooding issues, identify public works mitigation projects.
<i>Thomas Stone</i>	Chief, St. Bernard Parish Fire Department	Review hazard profiles and risk assessment data.
<i>Jimmy Pohlmann</i>	Sheriff, St. Bernard Parish Sheriff's Office	Review hazard profiles and risk assessment data.

<i>Guy Laigast</i>	Director, Plaquemines Parish OHSEP	Neighboring community.
<i>Aaron Miller</i>	Deputy Director, New Orleans OHSEP	Neighboring community.
<i>Darryl Delatte</i>	Region 1 GOHSEP Coordinator	GOHSEP
<i>Jack Merrill</i>	Valero	Stakeholder
<i>Patrick Trahan</i>	ExxonMobil	Stakeholder
<i>Doris Vortier</i>	School Board	Stakeholder
<i>George Cavignac</i>	Council Chair	Stakeholder
<i>Chamber of Commerce</i>	Chamber of Commerce	Stakeholder
<i>Jaylynn Bergeron Turner</i>	Assessor	Stakeholder
<i>Nick Cali</i>	LBBLD	Review hazard profiles and risk assessment data.
<i>Chris Hiestand</i>	ATMOS	Public Utility
<i>Toni Green</i>	ENTERGY	Public Utility
<i>Jerry Graves Sr.</i>	St. Bernard Port	Stakeholder
<i>Paul Bartlett</i>	Domino Sugar	Stakeholder
<i>William McGoey</i>	Legal	Review hazard profiles and risk assessment data.
<i>Charlie Lindell</i>	St. Bernard Parish Hospital	Stakeholder

**Stakeholders:**

- St. Bernard Parish Government
- St. Bernard Office of Homeland Security and Emergency Preparedness
- St. Bernard Parish Public Works
- St. Bernard Parish Fire Department
- St. Bernard Parish Law Enforcement
- St. Bernard Parish Council
- Plaquemines Parish Government
- The City of New Orleans
- Industrial Partners

**Relevant Goals and Objectives (pg 15):**

*None*

**Relevant Actions:**

*None*



## Tammany Parish

**Year:** 2015

**Timeframe:**

- August 2014: Kick off meeting
- September 2014: Risk Assessment Meeting and public meetings
- February 2015: Public review
- February 2015: Final draft plan
- May 2015: FEMA review
- August 2015: Plan adopted

**Date of Next Planned Revision:**

- Plan will be updated every 5 years

**Responsible Planning Agency (who prepared plan):** Stephenson Disaster Management Institute, Louisiana State University

**Jurisdictions Covered:** St Tammany Parish, City of Covington, City of Mandeville, City of Slidell, Town of Abita Springs, Town of Madisonville, Town of Pearl River, Village of Folsom, Village of Sun

**Planning Team:**

Member/Title	Jurisdiction/Entity	Address	Phone/Email
<a href="#">Dexter Accardo</a> Director	St Tammany Parish OH/SEP	510 Boston Street Suite 100, Covington, LA	985-867-3787, <a href="mailto:daccardo@stpgov.org">daccardo@stpgov.org</a>
<a href="#">Clarence Powe</a> Deputy Director	St Tammany Parish OH/SEP	510 Boston Street Suite 100, Covington, LA	985-867-3787, <a href="mailto:cpowe@stpgov.org">cpowe@stpgov.org</a>
<a href="#">Paul Reeb</a>	St Tammany Parish OH/SEP	510 Boston Street Suite 100, Covington, LA	985-774-9710, <a href="mailto:pjreeb@stpgov.org">pjreeb@stpgov.org</a>
<a href="#">Susan Willie</a>	Village of Folsom	82378 June Street, Folsom, LA 70437	985-796-5607; <a href="mailto:swillie@villageoffolsom.com">swillie@villageoffolsom.com</a>
<a href="#">Ginger Strauss</a>	Village of Sun		601-569-1356; <a href="mailto:gbays@yahoo.com">gbays@yahoo.com</a>
<a href="#">Collins Simoneaux</a>	Governors Office of Homeland Security and Emergency Preparedness	510 Boston Street Suite 100, Covington, LA	225-329-4261, <a href="mailto:collinssimoneaux@ia.gov">collinssimoneaux@ia.gov</a>
<a href="#">Eric Lundin</a>	City of Slidell	250 Bouscaren Street, Suite 203 Slidell, Louisiana 70458	985-646-4320, <a href="mailto:elundin@cityofslidell.org">elundin@cityofslidell.org</a>
<a href="#">Donna O'Dell</a>	City of Slidell	2056 2nd St, Slidell, LA 70458	985-646-4270, <a href="mailto:dodell@cityofslidell.org">dodell@cityofslidell.org</a>
<a href="#">Mayor Greg Lemons</a>	Town of Abita Springs	22161 Level Street Abita Springs, LA 70420	985-789-1537, <a href="mailto:jemon_g@belsouth.net">jemon_g@belsouth.net</a>
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<a href="#">Kyle Matthews</a>	Town of Madisonville	403 Saint Francis Street Madisonville, LA	985-893-7311; <a href="mailto:Kyiem@townofmadisonville.com">Kyiem@townofmadisonville.com</a>
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<a href="#">Beth Warren</a>	St Tammany Parish Government	21490 Koop Dr, Mandeville, LA 70471	985-276-6420, <a href="mailto:ewarren@stpgov.org">ewarren@stpgov.org</a>
<a href="#">Jeanne Betbeze</a>	St Tammany Parish Government	21490 Koop Dr, Mandeville, LA 70471	985-867-5095, <a href="mailto:jbetbeze@stpgov.org">jbetbeze@stpgov.org</a>
<a href="#">David DeGeneres</a>	City of Mandeville	3101 East Causeway Approach Mandeville, LA	985-624- 3106, <a href="mailto:ddegeneres@cityofmandeville.com">ddegeneres@cityofmandeville.com</a>
<a href="#">Chris Brown</a>	City of Mandeville	3101 East Causeway Approach Mandeville, LA	985-624- 3104, <a href="mailto:cbrown@cityofmandeville.com">cbrown@cityofmandeville.com</a>
<a href="#">Stan Heinrich</a>	Town of Pearl River	64592 Church Street, Pearl River, LA 70452	985-960-1152; <a href="mailto:deputychief@pearlriverpolice.com">deputychief@pearlriverpolice.com</a>

Stakeholders:

No specific stakeholders mentioned

**Relevant Goals and Objectives (pg 15):**

*None*

**Relevant Actions:** *(Applies to the entire county unless otherwise stated)*

- STP30: The West St. Tammany Shoreline Protection project is a 24,773 linear foot project. The goal of this project is the restoration of 15,677 feet of shoreline and the protection of 9106 feet shoreline. (pg 179)
- STP31: Guste Island Marsh Creation project is a 685 acre marsh creation project. The goal of this project is the restoration of 651 acres of marsh as well as the nourishment of 34 acres of stressed marsh land. (pg 179)
- STP32: The Bayou Cane Marsh Creation project is a 4,117 acre marsh creation project. The goal of this project is the restoration of 850 acres of low salinity marsh as well as the nourishment of 3,293 acres of stressed marsh land (pg 179)
- STP33: The Faciane Canal Marsh Creation project is a 2,853 acre marsh creation project. The goal of this project is the restoration of 1,997 acres of low salinity marsh as well as the nourishment of 630 acres of stressed marsh land. (pg 179)
- STP34: The Bayou Lacombe Marsh Creation project is a 3,114 acre marsh creation project. The goal of this project is the restoration of 623 acres of low salinity marsh as well as the nourishment of 2,336 acres of stressed marsh land (pg 180)
- STP35: The Fritchie North Marsh Creation project is a 4,395 acre marsh creation. The goal of this project is the restoration of 2,417 acres of marsh as well as the nourishment of 1,997 acres of stressed marsh land. (pg 180)

## Terrebonne Parish

**Year: 2020**

**Timeframe:**

- October 29, 2019: First public meeting
- November 5, 2019: Steering Committee meeting no 2 (public)
- November 12, 2019: public meeting
- November 15, 2019: Steering Committee Meeting No 3
- December 10, 2019: Steering Committee Meeting No 5
- December 19, 2019: Public meeting
- January 20, 2020: Final Draft submitted

**Date of Next Planned Revision:**

- Plan will be updated every 5 years

**Responsible Planning Agency (who prepared plan):** Plan was prepared by Jennifer C. Gerbas. No specific planning agency mentioned.

**Jurisdictions Covered:**

Planning Team:

\*No specific planning team members mentioned

Stakeholders:

\*no specific stakeholders mentioned

**Relevant Goals and Objectives (pg 120-124):**

- Goal 1: Identify and pursue preventative measures that will reduce future damages from hazards
  - Objective 1.5: Reduce the effects of Land Subsidence
- Goal 4: Facilitate responsible future development in the parish to reduce or eliminate the potential impacts of disasters
  - Objective 4.2: Promote preservation and/or conservation of flood prone areas for parish parks, recreation areas, and general flood plain management

**Relevant Actions: (*Applies to the entire county unless otherwise stated*)**

- Action 1.5.1: Pursue approvals and funding for coastal restoration projects such as sediment diversions to reduce land subsidence in coastal areas (pg 122)
- Action 4.2.1: Participate in existing programs at the state and federal levels oriented to environmental enhancement and conservation (pg 126)
- Action 4.2.6: Research partners and low tech or low cost alternatives for marsh, coastal or shoreline protection or restoration programs to reduce harm from all hazards. (pg 127)

## Vermilion Parish

**Year: 2015**

**Timeframe:**

- September 4, 2014: Kick off meeting
- October 30, 2014: Risk assessment meeting
- December 8, 2014: Public meeting
- May, 2015: Final draft plan and public review
- June, 2015: FEMA review
- August, 2015: Plan adopted

**Date of Next Planned Revision:**

- Plan will be updated every 5 years

**Responsible Planning Agency (who prepared plan):** Stephenson Disaster Management Institute, Louisiana State University

**Jurisdictions Covered:** City of Abbeville, Town of Delcambre, Town of Erath, Town of Gueydan, City of Kaplan, Village of Maurice, Vermilion, Unincorporated Areas

**Planning Team:**

MITIGATION PLANNING TEAM - VERMILION PARISH				
Member/Title	Jurisdiction/Entity	Address	Phone	Email
Linda Duhon, Parish Administrator	Vermilion Parish	100 North State Street, Suite 200, Abbeville, LA 70510	337-898-4300	<a href="mailto:linda.duhon@yahoo.com">linda.duhon@yahoo.com</a>
Wayne Theriot, Mayor	Village of Maurice	PO Box 128, 115 West Corine Street, Maurice, LA 70555	337-893-6406	<a href="mailto:villageofmaurice.mayor@cox-internet.com">villageofmaurice.mayor@cox-internet.com</a>
Rebecca M. Broussard, OHSEP Director	Vermilion Parish	100 North State Street, Suite 211, Abbeville, LA 70510	337-898-4308	<a href="mailto:vpoen@cox-internet.com">vpoen@cox-internet.com</a>
Carly Vaughan, OHSEP	Vermilion Parish	100 North State Street, Suite 211, Abbeville, LA 70510	337-898-4308	<a href="mailto:vpoen@yahoo.com">vpoen@yahoo.com</a>
Linda Duhon, Flood Plain Manager	Vermilion Parish	100 North State Street, Suite 200, Abbeville, LA 70510	337-898-4300	<a href="mailto:linda.duhon@yahoo.com">linda.duhon@yahoo.com</a>
Jerome Puyau, School Board Superintendent	Vermilion Parish	220 South Jefferson, Abbeville, LA 70510	337-652-1325	<a href="mailto:jerome.puyau@vpxb.net">jerome.puyau@vpxb.net</a>
William "Billy" Noegel, Public Works Director	Vermilion Parish	2211 Leonie Street, Abbeville, LA 70510	337-898-4330	<a href="mailto:wpnoegel@gmail.com">wpnoegel@gmail.com</a>
Clay Menard, Public Works Director	City of Abbeville	PO Box 1170, Abbeville, LA 70511-1170	337-893-8550	<a href="mailto:cmenard@connection-s-ict.com">cmenard@connection-s-ict.com</a>

Keith Frederick, Solid Waste Department	Vermilion Parish	8500 Birch Road, Abbeville, LA 70510	337-898-4338	<a href="mailto:keithf@kapiantel.com">keithf@kapiantel.com</a>
Alex Crochet, Water District	Vermilion Parish	n/a	337-893-8711	<a href="mailto:jolexcro@cox.net">jolexcro@cox.net</a>
Tony Richard, Water District	Vermilion Parish	n/a	337-652-8414	<a href="mailto:tonyv@schzojel.com">tonyv@schzojel.com</a>
Carolyn Bessard, Police Jury	Vermilion Parish	100 North State Street, Suite 200, Abbeville, LA 70510	337-898-4300	<a href="mailto:cbessard.vermilionppj@yahoo.com">cbessard.vermilionppj@yahoo.com</a>
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Wayne Touchet, Police Jury	Vermilion Parish	505 Eaton Drive, Abbeville, LA 70510	337-898-4300	<a href="mailto:touchetbuilders@msn.com">touchetbuilders@msn.com</a>
Gabriel Mathiew, Communications/911 Director	Vermilion Parish	100 North State Street, Suite 201, Abbeville, LA 70510	337-898-4350	<a href="mailto:vermilionparish911@yahoo.com">vermilionparish911@yahoo.com</a>
Brandon Alleman, Sheriff's Office	Vermilion Parish	101 South State Street, Abbeville, LA 70510	337-652-1000	<a href="mailto:brandon@vpso.net">brandon@vpso.net</a>
Kevin Faulk, Assessor's Office	Vermilion Parish	100 South State Street, Abbeville, LA 70510	337-893-2831	<a href="mailto:vpao@connection-lct.com">vpao@connection-lct.com</a>
Nicole Soirez, Abbeville General Hospital	City of Abbeville	118 North Hospital Drive, Abbeville, LA 70510	337-898-6514	<a href="mailto:nicole.soriez@abbgen.net">nicole.soriez@abbgen.net</a>
Bill Gerard, Acadian Ambulance	Vermilion Parish	n/a	337-652-2996	<a href="mailto:wgerard@acadian.com">wgerard@acadian.com</a>
David Smith, American Red Cross	Vermilion Parish	American Red Cross	337-234-7371	<a href="mailto:dave.smith2@redcross.org">dave.smith2@redcross.org</a>
Margaret Trahan, United Way	Vermilion Parish	Community Organizations	337-706-1232	<a href="mailto:margaret.trahan@unitedwayofacadiana.org">margaret.trahan@unitedwayofacadiana.org</a>
Jason Huffman, United Way	Vermilion Parish	Community Organizations	337-706-1202	<a href="mailto:jason.huffman@unitedwayofacadiana.org">jason.huffman@unitedwayofacadiana.org</a>
Andrew Granger, LSU Ag Center	Vermilion Parish	Department of Ag & Forestry	337-898-4335	<a href="mailto:agranger@agcenter.lsu.edu">agranger@agcenter.lsu.edu</a>

David Dupuis, Mayor	Town of Gueydan	600 Main Street, Gueydan, LA 70542	337-536-9415	n/a
Carol Broussard, Mayor	Town of Delcambre	107 North Railroad Street, Delcambre, LA 70528	337-685-4462	n/a
Kirk Champayne, Mayor	City of Kaplan	701 North Cushing Ave., Kaplan, LA 70548	337-643-8811	n/a
Mark Piazza, Mayor	City of Abbeville	P.O. Box 1170, Abbeville, LA 70511	337-898-4206	n/a
Wayne Theriot, Mayor	Village of Maurice	P.O. Box 128, Maurice, LA 70555	337-893-6406	n/a
John Earl LeBlanc, Mayor	Town of Erath	115 West Edwards, Erath, LA 70533	337-937-8401	n/a

### Stakeholders:

\*no specific stakeholders mentioned

### Relevant Goals and Objectives (pg 15):

- Goal 1: Identify and pursue preventative structural and non-structural measures that will reduce future damages from hazards.

**Relevant Actions:** *(Applies to the entire county unless otherwise stated)*

- Action V11: Marshland project implementation to mitigate against coastal land loss. (pg 116)
- Action V33: Shoreline protection through rock breakwaters of approximately 21,000 feet of Schooner Bayou Canal bankline from Highway 82 to North Prong, to benefit preservation of shoreline integrity and reduction of wetland degradation (pg 120)
- Action V37: Protect existing healthy marsh from extended periods of high salinity or high water levels; restore degraded marsh to benefit bird species in wetlands (pg 121)
- Action V38: Prevent further wetland loss through reduction of bank erosion and subsequent tidal scour of shoreline marshes as well as to enhance the biodiversity of the project area with the creation of Oyster Reefs. Phase II will complete construction of remaining 2,855 linear feet. (pg 121)
- Action V43: Prevent further wetland loss through reduction of bank erosion and subsequent tidal scour of shoreline marshes as well as to enhance the biodiversity of the project area with the creation of Oyster Reefs. Phase I and II will complete the construction of the remaining 4,190 linear feet of oyster reef/shoreline protection designed in Phase I. (pg 122)

# Mississippi

## MEMA District 9 (Includes Hancock, Harrison, and Jackson County)

**Year:** 2017

**Timeframe:**

- August 30, 2016: Kick off meeting
- December 13, 2016: Risk Assessment Meeting and public meetings
- February 8, 2017: Harrison County Meeting
- February 2017: Final Draft

**Date of Next Planned Revision:**

- Plan will be updated every 5 years

**Responsible Planning Agency (who prepared plan):** No specific agency mentioned

**Jurisdictions Covered:** George, Hancock (Bay St. Louis, Waveland, Diamondhead), Harrison (Biloxi, Long Beach, D'Iberville, Pass Christian, Gulfport), Jackson (Gautier, Moss Point, Pearl River, Ocean Springs, Pascagoula) and Stone Counties

Planning Team:

**TABLE 2.1: MEMBERS OF THE MEMA DISTRICT 9 REGIONAL HAZARD MITIGATION COUNCIL**

NAME	TITLE	DEPARTMENT/ AGENCY	COMMUNITY/AGENCY/ COMPANY
Nancy Smith*	Director	EMA	George County
Raven James*	Director	EMA	Stone County
Carolyn Nelson	Area Coordinator	MEMA	MEMA
Donald Langham*	Coordinator	EMA	Jackson County
Craig Tynes	Director	Physical Plant	Pearl River Community College
Mark Dronet	Assistant Fire Chief	Fire Department	Biloxi
Robert Jones	Fire Chief	Fire Department	Gautier
Wayne Miller	Director	Public Works	Gulfport
Shad Jeanfreau	Building Official	Building/Inspections	Pass Christian

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NAME	TITLE	DEPARTMENT/ AGENCY	COMMUNITY/AGENCY/ COMPANY
Carolyn Woodcock	Safety Officer	EMA	Harrison County
Christy LeBatard	Director	Engineering	Biloxi
Nate Wilson	Director	EMA	Ocean Springs
Kristyn Gunter	Business Development Manager	SMPDD	Southern MS PDD
Danny Manley*	Director	EMA	Pearl River County
Bruce Wilkerson	Operations Officer	EMA	Harrison County
Loretta Robinson	Planner	MEMA	MEMA
John Evans*	Deputy Director	EMA	Hancock County
Johnathan Head	Fire Chief	Fire Department	Poplarville
Rupert Lacy*	Director	EMA	Harrison County
Vicki Watkins	CRS Coordinator	Building/Inspections	D'Iberville
Teasha Ritchie	Permit Technician	Planning	Pearl River County
Keith Brown	Fire Chief	Fire Department	Picayune
Hank Rogers	Building Official	Building/Inspections	D'Iberville
Matthew Jalufka	Emergency Manager	Keesler AFB	Keesler Air Force Base
Kenneth McDowell	Safety Officer	Memorial Hospital	Memorial Hospital
Dusty Reed	GIS	GIS	Harrison County
John Mcfarland	Executive Director	American Red Cross	American Red Cross
Cathy Garner	Security Director	Schools	Harrison County
Thomas Clifford	Major	Sheriff's Office	Harrison County
Kelvin Jackson	Planner	Zoning	Harrison County
Pat Sullivan	Fire Marshal	Fire Department	Harrison County
Tommy Murphy	Coastal Division Manager	Mississippi Power Company	Mississippi Power Company
Robyn Ladner	Safety Officer	EMA	Harrison County
Jody Spires	Engineer	Engineering	Harrison County
David Kingman	Gaming Agent Director	MS Gaming Commission	MS Gaming Commission
Fred Garguilo	VP Admin	Memorial Hospital	Memorial Hospital
Michelle Watts	Admin Asst/Ops	EMA	Harrison County

\* Served as the county's main point of contact



Stakeholders:

NAME	TITLE	DEPARTMENT/AGENCY
William Lewis	President	Pearl River Community College
John Shows	Association Vice President	Mississippi Gulf Coast Community College
Pam Touchard	Superintendent	George County School District
Alan Dedeaux	Superintendent	Hancock County School District
Roy Gill	Superintendent	Harrison County School District
Barry Amacker	Superintendent	Jackson County School District

NAME	TITLE	DEPARTMENT/AGENCY
Alan Lumpkin	Superintendent	Pearl River County School District
Inita Owen	Superintendent	Stone County School District
Rebecca Ladner	Superintendent	Bay St. Louis-Waveland School District
Arthur McMillan	Superintendent	Biloxi Public School District
Glen East	Superintendent	Gulfport School District
Jay Smith	Superintendent	Long Beach School District
Shannon Vincent	Superintendent	Moss Point School District
Bonita Coleman	Superintendent	Ocean Springs School District
Wayne Rodolfich	Superintendent	Pascagoula Municipal Separate School District
Carla J. Evers	Superintendent	Pass Christian School District
Dean Shaw	Superintendent	Picayune School District
Carl Merritt	Superintendent	Poplarville Special Municipal Separate School District

**Relevant Goals and Objectives (pg 128):**

- Goal 9: Protect the environment and natural resources.

**Relevant Actions:**

Jackson County

- Action P-9: Conduct a study of the effects of sea level rise and develop mitigation strategies to minimize those effects. (pg 131)
  - City of Gautier
- Action NRP-2: Acquisition of natural wetlands for City of Gautier land conservation. 32-acre parcel north of Singing River Mall to be used as Town Green). (pg 160) (City of Gautier)
- Action NRP-3: Land acquisition for City of Gautier City Park Community Center-Phase 1. Improvements to City Park along Mary Walker Bayou. (pg 160) (City of Gautier)
- NRP 1: Preserve trees and vegetation on uninhabited properties to improve stormwater management/flood control. (pg 178) (City of Ocean Springs)

- NRP 2: Preserve natural/wetlands and riparian areas through acquisition or conservation easements. (pg 179) (City of Ocean Springs)
- NRP 3: Extend sand beach additional 100 feet to the east and stabilize with plantings (pg 179) (City of Ocean Springs)
- NRP 4: Request that Jackson County continue dune propagation in areas along East Beach and Front Beach. (pg 179) (City of Ocean Springs)
- Action P-7: Continue implementation of open space preservation. (pg 187) (City of Pascagoula)

#### Harrison County

- P-9: Develop local, city, and county wetlands regulations that provide the “intent” of the regulations for flood storage (available for CRS credit). (pg 143)
- NRP-3: Encourage acquisition or donation of conservation easements and properties in environmentally sensitive areas (pg 150)
- NRP-4: Encourage dune propagation in areas where the seawall is below 10 feet (NGVD). (pg 150)
- P-4: Partner with the Land Trust for the Coastal Mississippi Plain to preserve open space. (City of Gulfport) (pg 183)
- NRP-2: Support marsh restoration efforts. (pg 194) (City of Gulfport)
- NRP-3: Support the restoration of the barrier islands. (pg 194) (City of Gulfport)
- NRP-2: Preserve and protect trees and vegetation on uninhabited properties to improve natural stormwater management and flood control processes. (pg 205) (City of Pass Christian)
- NRP-3: Work with the Harrison County Sand Beach Authority to continue dune propagation in areas along the beach where the seawall is below 10 foot in elevation. (pg 205) (City of Pass Christian)

#### Hancock County

- NRP-3: Support marsh re-nourishment and restoration by participating with coastal states to protect wetlands and marshes as protective barriers from storms. Actions may minimize storm surge. (pg 115)
- NRP-4: Restore barrier islands. (pg 115)

- NRP-2: Develop and implement a plan in an effort to protect and maintain the natural marshes and other barriers. (pg 143) (City of Waveland)
- NRP-3: Dredge Jackson Marsh to restore wetlands and help reduce flooding. (pg 144) (City of Waveland)

## Alabama

### Baldwin County

**Year:** 2015

**Timeframe:**

- April 24, 2015: Kick off meeting
- June 19, 2015: Risk Assessment Meeting
- August 14, 2015: Vulnerability assessment
- October 22, 2015,: mitigation strategies
- December 11, 2015: Community action programs meeting
- December 14, 2015: Final draft

**Date of Next Planned Revision:**

- Plan will be updated every 5 years

**Responsible Planning Agency (who prepared plan):** Lehe Planning LLC

**Jurisdictions Covered:**

City of Bay Minette, City of Daphne, Town of Elbert, City of Fairhope, City of Foley, City of Gulf Shores, Town of Loxley, Town of Magnolia Springs, City of Orange Beach, Town of Perdido Beach, City of Robertsdale, Town of Silverhill, City of Spanish Fort, Town of Summerdale, and Baldwin County

Planning Team:

**Table 4-2. HMPC Membership**

Name	Title or Position	Type	Jurisdiction/Organization	Agency/Department
Reggie Chitwood	Director	Jurisdiction	All	Baldwin County EMA
Danon Hoagland	Planning/Grants Coord.	Jurisdiction	All	Baldwin County EMA
Jenni Guerry	Secretary	Jurisdiction	All	LEPC / EMA
Mike Howell	Building Official	Jurisdiction	Baldwin County	Building Inspections
Charlie Jones	Chief Deputy	Jurisdiction	Baldwin County	Sheriff's Dept.
Joey Nunnally	Pre-Const. Manager	Jurisdiction	Baldwin County	Highway Department
Anthony Sampson	Director	Jurisdiction	Baldwin County	Board of Education
David Corley		Jurisdiction	Baldwin County	North Baldwin Utilities
Mike Minchew	Fire Chief	Jurisdiction	City of Bay Minette	Fire and Rescue
Chip Martin	Fire Marshall	Jurisdiction	City of Daphne	Fire and Rescue
Denise Penry	PW Accountant	Jurisdiction	City of Daphne	
Ashley Campbell	Envir. Prgms. Manager	Jurisdiction	City of Daphne	
Erik Cortinas	Building Official	Jurisdiction	City of Fairhope	Building Inspections
John Saraceno	EM Coordinator	Jurisdiction	City of Fairhope	Fire Department
Joe Bouzan		Jurisdiction	City of Foley	
Rachael Keith		Jurisdiction	City of Foley	
Brandan Franklin	Building Official	Jurisdiction	City of Gulf Shores	Building Inspections
Alan Carpenter	Lieutenant	Jurisdiction	City of Gulf Shores	Police
Ken Grimes	City Administrator	Jurisdiction	City of Orange Beach	Office of the Mayor
Lannie Smith	Building Official	Jurisdiction	City of Orange Beach	Building Inspections
Greg Smith	Building Official	Jurisdiction	City of Robertsdale	Building Inspections
Scott Gilbert	Director	Jurisdiction	City of Robertsdale	Public Works
Bruce Renkert	Building Official	Jurisdiction	City of Spanish Fort	Building Inspections
Marvin Williams	Mayor	Jurisdiction	Town of Elberta	Office of the Mayor
Ashley Powers	Town Clerk	Jurisdiction	Town of Elberta	Office of the Town Clerk
Billy Middleton	Mayor	Jurisdiction	Town of Loxley	Office of the Mayor
Richard Rider, II	Superintendent	Jurisdiction	Town of Loxley	Public Works
Kenneth Underwood	Mayor	Jurisdiction	Town of Magnolia Springs	Office of the Mayor
Patsy Parker	Mayor	Jurisdiction	Town of Perdido Beach	Office of the Mayor
Ellen Leslie	Councilwoman	Jurisdiction	Town of Perdido Beach	Town Council
Timothy Wilson	Mayor	Jurisdiction	Town of Silverhill	Office of the Mayor
Jimmy Davis	Chief	Jurisdiction	Town of Summerdale	Police
Tiffany Lynn	Town Clerk	Jurisdiction	Town of Summerdale	Office of the Town Clerk
Kim Frank		Stakeholder	Baldwin County EMC	
Steve Millstead		Stakeholder	Belforest Water System	
Lori Wilson		Stakeholder	Daphne Utilities	
Dan McCrory		Stakeholder	Fairhope Utilities	
Clifford Johnson		Stakeholder	Gulf Shores Utilities	

Name	Title or Position	Type	Jurisdiction/Organization	Agency/Department
Rick Rider		Stakeholder	Loxley Utilities	
Stacey Quates		Stakeholder	Park City Water Authority	
Miles McDaniel		Stakeholder	Riviera Utilities	
Paula Aldrich		Stakeholder	Robertsdale Utilities	
Charles Hall		Stakeholder	Water, Sewer & Fire Protection	E. Central Baldwin
Mark Bohlin		Stakeholder	Water, Sewer & Fire Protection	Perdido Bay
Pete Stritzinger		Stakeholder	Water, Sewer & Fire Protection	Ono Island
Judy Sullivan		Stakeholder	Water, Sewer & Fire Protection	Orange Beach
Rhonda Durant		Stakeholder	White House Fork Water System	
Teresa Porter		Stakeholder	State of Alabama	Ala. Dept of Public Health

### Stakeholders:

No specific stakeholders mentioned

### Relevant Goals and Objectives (pg 226):

- Goal 1: Manage the development of land and buildings to minimize risks of loss due to natural hazards.
  - Objective 1: Comprehensive Plans and Smart Growth. Establish an active comprehensive planning program that is consistent with Smart Growth principles of sustainable community development.
  - Objective 4: Zoning. Establish effective zoning controls, where applicable, to vulnerable land areas to discourage environmentally incompatible land use and development.
  - Objective 5: Open Space Preservation. Minimize disturbances of natural land features and increased storm water runoff through regulations that maintain critical natural features such as open space for parks, conservation areas, landscaping, and drainage.
  - Objective 8: Landscape Ordinances. Establish minimum standards for planting areas for trees and vegetation to reduce storm water runoff and improve urban aesthetics.
  - Objective 9: Storm Water Management. Manage the impacts of land development on storm water runoff rates and to natural drainage systems.
- Goal 4: Goal for Natural Resources Protection. Preserve and restore the beneficial functions of the natural environment to promote sustainable community development that balances the constraints of nature with the social and economic demands of the community.
  - Objective 1: Open Space Easements and Acquisitions. Acquire easements and fee-simple ownership of environmentally beneficial lands, such as hillsides, flood plains, and wetlands to assure permanent protection of these natural resources.
  - Objective 2: River/Stream Corridor Restoration and Protection. Restore and protect river and stream corridors within areas.

- Objective 3: Urban Forestry Programs. Maintain a healthy forest that can help mitigate the damaging impacts of flooding, erosion, landslides, and wildfires within urban areas.
- Objective 4: Beach and Dune Protection/Re-nourishment. Protect beaches and dunes from coastal and man-made erosion and re-nourish.
- Objective 5: Water Resources Conservation Programs. Protect water quantity and quality through water conservation programs to mitigate the effects of droughts and assure uninterrupted potable water supplies.

**Relevant Actions:** *(Applies to the entire county unless otherwise stated)*

The county's actions are organized by goal and objective.

- Goal 1: Manage the development of land and buildings to minimize risks of loss due to natural hazards
  - Action 1.1.1: Maintain up-to-date comprehensive plans for all jurisdictions. Each plan should address natural hazards exposure and include long-term disaster resistance measures. The vulnerability and environmental suitability of lands for future development should be clearly addressed. Local plans should assess the vulnerability of designated hazard areas and encourage open space planning to create amenities for recreation and conservation of fragile resources. (pg 337)
  - 1.4.3: Require delineation of flood plain fringe, floodways, and wetlands on all plans submitted with a permit for development within a flood plain. (pg 340)
  - 1.5.1: Examine regulatory options and feasibility of requiring open space areas for recreation, landscaping, and drainage control. (pg 341)
  - 1.9.3: Establish urban forestry program to help mitigate storm water runoff common in areas with large impervious surfaces. (pg 343)
  
- Goal 4: Preserve and restore the beneficial functions of the natural environment to promote sustainable community development that balances the constraints of nature with the social and economic demands of the community.
  - 4.1.1: Increase open space acquisitions through the FEMA HMA Grant Programs and other flood plain acquisition efforts. (pg 353)
  - 4.2.1 Keep builders and developers informed of Federal wetlands permitting requirements of the Corps of Engineers. (pg 353)
  - 4.4.1: Restore and protect wetlands to enhance storm water drainage. (pg 354)
  - 4.4.2: Develop a coastal re-nourishment program. (pg 354)

## Mobile County

**Year: 2015**

**Timeframe:**

- April 16, 2015: Kick off meeting
- June 18, 2015: Risk Assessment Meeting
- August 13, 2015: Vulnerability assessment
- October 21, 2015,: Community Meeting and mitigation strategies
- November 7, 2015: Community meeting
- May 17, 2016: Plan has been adopted by all jurisdictions

**Date of Next Planned Revision:**

- Plan will be updated every 5 years

**Responsible Planning Agency (who prepared plan):** Lehe Planning LLC

**Jurisdictions Covered:**

City of Bayou La Batre, City of Chickasaw, City of Citronelle, City of Creola, Town of Dauphin Island, City of Mobile, Town of Mount Vernon, City of Prichard, City of Saraland, City of Satsuma, City of Semmes

Planning Team:

- Mr. John Kilcullen, Chair, Director of Plans and Operations, Mobile County EMA
- Mr. Brett Dungan, Mayor, City of Bayou La Batre
- Mr. Glen Wickell, City of Chickasaw
- Ms. Lorrie Bryan, City Clerk, City of Citronelle
- Ms. Kim Pettway, City Clerk, City of Creola
- Mr. Corey Moore, Public Works Director, Town of Dauphin Island
- Mr. Janic Terry, Engineer, City of Mobile
- Mr. Bill Melton, Director of Environmental Services, Mobile County
- Ms. Theresa Weaver, Town Clerk, Town of Mount Vernon
- Ms. Darlene Lewis, City Clerk, City of Prichard
- Mr. Shane Lovette, Fire Captain, City of Saraland
- Mr. Thomas Briand, Building Inspector, City of Satsuma
- Ms. Laticia Fultz, Administrative Assistant, City of Semmes

*Notes:*

*(1) The Town of Mt. Vernon and the cities of Prichard and Creola, were indirectly represented in the HMPC meetings and planning process by Mr. John Kilcullen of the Mobile County EMA. The governing bodies of these jurisdictions adopted resolutions to authorize representation. Copies of the resolutions can be found in Appendix G "Community Meeting Documentation." Their representatives listed above provided required information as needed to their authorized representative.*

*(2) The Mobile County EMA serves as the lead local agency supporting the drafting, adoption, and ongoing implementation of the plan. The EMA supports committee activities and represents the interests of all Mobile County jurisdictions and agencies, including school boards and utilities.*



*(3) Mobile County has jurisdiction within all incorporated and unincorporated areas of the County and, through normal business practices, performs services authorized by intergovernmental agreement, to support municipal operations. The Mobile County Committee members represent all municipalities within Mobile County as well as unincorporated communities within the County.*

### Stakeholders:

No specific stakeholders mentioned

### **Relevant Goals and Objectives (pg 337):**

- Goal 1: Manage the development of land and buildings to minimize risks of loss due to natural hazards.
  - Objective 4: Zoning. Establish effective zoning controls, where applicable, to vulnerable land areas to discourage environmentally incompatible land use and development.
  - Objective 5: Open Space Preservation. Minimize disturbances of natural land features and increased storm water runoff through regulations that maintain critical natural features such as open space for parks, conservation areas, landscaping, and drainage.
  - Objective 8: Landscape Ordinances. Establish minimum standards for planting areas for trees and vegetation to reduce storm water runoff and improve urban aesthetics.
- Goal 2: Goal for Property Protection: Protect structures and their occupants and contents from the damaging effects of natural hazards.
  - Objective 1: Building Relocation. Relocate buildings out of hazardous flood areas to safeguard against damages and establish permanent open space.
  - Objective 2: Acquisition. Acquire flood prone buildings and properties and establish permanent open space.
- Goal 4: Goal for Natural Resources Protection. Preserve and restore the beneficial functions of the natural environment to promote sustainable community development that balances the constraints of nature with the social and economic demands of the community.
  - Objective 1: Open Space Easements and Acquisitions. Acquire easements and fee-simple ownership of environmentally beneficial lands, such as hillsides, flood plains, and wetlands to assure permanent protection of these natural resources.
  - Objective 2: River/Stream Corridor Restoration and Protection. Restore and protect river and stream corridors within areas.
  - Objective 3: Urban Forestry Programs. Maintain a healthy forest that can help mitigate the damaging impacts of flooding, erosion, landslides, and wild fires within urban areas.
  - Objective 4: Beach and Dune Protection/Renourishment. Protect beaches and dunes from coastal and man-made erosion and renourish.

### **Relevant Actions: (Applies to the entire county unless otherwise stated)**

- 1.1.1: Maintain up-to-date comprehensive plans for all jurisdictions. Each plan should address natural hazards exposure and include long-term disaster resistance measures. The vulnerability and environmental suitability of lands for future development should be clearly addressed. Local plans should assess the vulnerability of designated hazard areas and encourage open space planning to create amenities for recreation and conservation of fragile resources. (pg 337)
- 1.4.3: Require delineation of flood plain fringe, floodways, and wetlands on all plans submitted with a permit for development within a flood plain. (pg 340)

- 1.5.1: Examine regulatory options and feasibility of requiring open space areas for recreation, landscaping, and drainage control. (pg 341)
- 2.2.1: Pursue grant funds to acquire and demolish flood prone or substantially damaged structures and replace with permanent open space. (pg 179)
- 4.1.1: Increase open space acquisitions through the FEMA HMA Grant Programs and other flood plain acquisition efforts. (pg 353)
- 4.2.1 Keep builders and developers informed of Federal wetlands permitting requirements of the Corps of Engineers. (pg 353)
- 4.3.3: Develop an urban forestry management plan to ensure a progressive urban forestry program aimed at increasing forestry canopy, increased safety and planting hurricane resistant tree species. (pg 354)
- 4.4.1: Restore and protect wetlands to enhance storm water drainage. (pg 354)
- 4.4.2: Develop a coastal renourishment program. (pg 354)

## Florida

### Charlotte County

**Year:** 2015

**Timeframe:**

- June 27, 2014: publically open meeting. Reexamination of goals and objectives
- July 2015: Plan adopted

**Date of Next Planned Revision:**

- Plan will be updated every 5 years

**Responsible Planning Agency (who prepared plan):** No specific planning agency mentioned.  
Prepared by Charlotte County Local Mitigation Strategy Work Group

**Jurisdictions Covered:** Charlotte County, City of Punta Gorda

Planning Team:

<b>Table I-1 Charlotte County/City of Punta Gorda Local Mitigation Strategy Working Group Members 2014</b>		
<i>Name</i>	<i>Position/Agency</i>	<i>CRS Step 7 Categories</i>
Gerry Mallet	Coordinator/ LMS Chair Emergency Management	Emergency Services
Ellen Pinder	Mitigation Planner/ LMS Vice Chair	Emergency Services
Wayne Sallade	Charlotte County Emergency Management Director	Emergency Services
Lynne Stickley	Emergency Planning Specialist Emergency Management	Emergency Services
Chief Marianne Taylor	Fire Chief Charlotte County Fire/ EMS/ Public Safety	Emergency Services
Dee Hawkins-Garland	Public Information Officer Charlotte County Fire/EMS/Public Safety	Public Information
Jason Fair	Deputy Chief Charlotte County Fire/EMS/Public Safety	Emergency Services
Bill Van Helden	Deputy Chief Charlotte County Fire/EMS/Public Safety	Emergency Services
David Milligan	Director Charlotte County Facilities	Property Protection
Teri Salomon	Business Service Supervisor Charlotte County Facilities	Property Protection
Karen Bliss	Community Development Engineering Division Storm water Management	Structural Projects
Mike Dallenbach	Maintenance & Operations Road Superintendent Public Works	Structural Projects
Paul Polk	Property Appraiser	Public Information
Scott Graham	Director Information Services Property Appraiser	Public Information
Kevin Edwards	Information Services Coordinator Information Technology	Public Information
Elizabeth Nocheck	Concurrency Manager Growth Management	Preventive
Chip Hague	Plans Examiner Building Construction Services	Preventive
Steven Ellis	Planner Community Development Zoning Division	Preventive
Tim Free	Maintenance and Operations Manager	Property Protection
Richard Allen	Solid Waste Operations Manager	Property Protection
Mike Koenig	Financial Planner Parks and Recreation	Natural Resource Protection
Bruce Bullert	Operations and Engineering CC Utilities	Preventive & Property Protection
Gary Pederzoli	GIS Programmer Information Technology	Preventive
Jennifer Rodgers	Financial Consultant - Records Retention	Public Information
Tina Jones	Permit & Licensing Coordinator Community Development	Preventive
Tommy Scott	Director Community Services	Preventive
Matt Trepal	Planner Growth Management	Preventive & Property Protection

Claire Jubb	Customer Service Manager Charlotte County Community Development	Preventive & Property Protection
Bob Hebert	Housing Manager Human Services	Preventive & Property Protection
Gary Harrell	Planner Metropolitan Planning Organization	Preventive & Property Protection
Mitchell Austin	Urban Planner City of Punta Gorda	Preventive & Property Protection
Brian Jones	Lieutenant Animal Control	Natural Resource Protection
Tracie Baird	Administrative Services Supervisor Animal Control	Natural Resource Protection
Ray Briggs	Fire Chief Punta Gorda Fire Department	Emergency Services
Holden Gibbs	Punta Gorda Fire Department	Emergency Services
Scott Lane	Fire Chief Englewood Fire Department	Emergency Services
Sherman Robinson	Logistics Division Commander Charlotte County Sheriff's Office	Emergency Services
Darin Chandler	Logistics Division Commander Charlotte County Sheriff's Office	Emergency Services
Rick Christman	Forest Area Supervisor Myakka River District	Emergency Services
Patrick Mahoney	Wildfire Mitigation Specialist/ PIO Florida Division of Forestry- Myakka River District	Emergency Services
David Lupinetti	District Security/ Emergency Management Charlotte County Public Schools	Emergency Services
April Prestipino	Charlotte County Schools	Emergency Services
Jerry Olivo	Charlotte County Schools	Emergency Services
	Administrator Charlotte County Health Department	Emergency Services
Aimee Fike	Preparedness Planner Charlotte County Health Department	Emergency Services
John Fanning	Charlotte County Homeless Coalition	Public Information
Patricia Land	President Edison State College- Charlotte Campus	Public Information
Tim Walker	Southwest Regional Florida Planning Council	Public Information
Dr. Harry Agabedis	Volunteer Coordinator	Public Information
Linda Landry	Administrative Director of Facilities Fawcett Memorial Hospital	Public Information
Liz Barton	Administrator Douglas T Jacobson Veterans Nursing Home	Public Information
Patrick Fuller	Region 6 Coordinator Florida Division of Emergency Management	Public Information
Bonnie Jacobs	Emergency Services Chair American Red Cross	Public Information

**Relevant Goals and Objectives (81 -84):**

- GOAL 1: CHARLOTTE COUNTY SHALL REDUCE THE VULNERABILITY AND EXPOSURE OF THE PUBLIC BY PROTECTING LIVES AND PROPERTY FROM THE LOSSES OF NATURAL DISASTERS.
  - Objective 1.3: Require the protection of natural resources (such as environmentally sensitive lands) in order to maximize their mitigative benefits and to safeguard them from damage caused by natural disasters.
  - Objective 1.6: Protect coastal resources, marine resources, and dune systems from the adverse effects of development.

- Objective 1.8: Encourage land and water uses which are compatible with the protection of sensitive coastal resources having value and benefits as mitigative measures
- Objective 1.9: Prohibit development and other activities which disturb coastal dune systems, and ensure and promote the restoration of coastal dune systems that have been damaged.
- Goal 6: CHARLOTTE COUNTY SHALL PROTECT AND ACQUIRE UNIQUE NATURAL HABITATS AND ECOLOGICAL SYSTEMS (SUCH AS WETLANDS, HARDWOOD HAMMOCKS, PALM HAMMOCKS, AND VIRGIN LONGLEAF PINE FORESTS) AND RESTORE DEGRADED NATURAL SYSTEMS TO A FUNCTIONAL CONDITION IN ORDER TO MAXIMIZE HAZARD MITIGATION VALUES.
  - Objective 6.1: Conserve forests, wetlands, and coastal natural features to maintain their economic, aesthetic, and recreational values.
  - Objective 6.2: Acquire, retain, manage, and inventory public lands to provide conservation and related public benefits including hazard mitigation.
  - Objective 6.3: Promote the use of agricultural practices which are compatible with the protection of natural systems.
  - Objective 6.4: Encourage multiple use of forest resources, where appropriate, to provide for watershed protection, erosion control, and maintenance of water quality.
  - Objective 6.5: Protect and restore the ecological functions of wetland systems to ensure their long-term environmental, economic, and recreational values, including hazard mitigation practices.
  - Objective 6.6: Develop and implement a comprehensive planning, management, and acquisition program to ensure the integrity of Charlotte County's waterways.
  - Objective 6.7: Emphasize the acquisition and maintenance of ecologically intact systems in all land and water planning, management, and regulation.

**Relevant Actions:** *(Applies to the entire county unless otherwise stated) (No specific Action numbers)*

*None*

## Citrus County

**Year:** 2020

**Timeframe:**

- May 16, 2019: Project Kickoff meeting to discuss Hazard Identification, Outreach Plan, and LMS project list.
- June 17, 2019: Hazard descriptions, previous occurrences and extent. This meeting was followed by a public workshop to seek input on the hazard identification and risk assessment.
- August 21, 2019: Hazard ranking and vulnerability assessment
- October 9, 2019: Review of the Mitigation Strategy Goals and Objectives
- November 13, 2019: Review of draft document. This meeting was followed by a public workshop to seek input on the draft document.
- January 2020: Review of final document, transmit to FDEM

**Date of Next Planned Revision:**

- Plan will be updated every 5 years

**Responsible Planning Agency (who prepared plan):** Developed by the Citrus County Local Mitigation Strategy Working Group in Partnership with the Tampa Bay Regional Planning Council

**Jurisdictions Covered:** Citrus County, City of Crystal River and City of Inverness.

**Planning Team:**

<p><b>CHAIR</b>          Bretlee Jordan          Emergency Management Coordinator          CCSO, Division of Emergency Operations          3549 Saunders Way          Lecanto FL 34461          352-249-2704 (cell: 352-422-4407)  <a href="mailto:bjordan@sheriffcitrus.org">bjordan@sheriffcitrus.org</a></p>	<p><b>VICE CHAIR</b>          Tammy Harris, Director          Housing Services          2804 W Marc Knighton Court          Lecanto FL 34461          352-527-5900  <a href="mailto:tammy.harris@citrusbocc.com">tammy.harris@citrusbocc.com</a>  <a href="mailto:genesis.redwan@citrusbocc.com">genesis.redwan@citrusbocc.com</a></p>
<p><b>Recording Secretary</b>          Gina Eason          Administrative Coordinator          Division of Engineering          3600 W. Sovereign Path, Suite 241          Lecanto, FL 34461          352-527-5446  <a href="mailto:gina.eason@citrusbocc.com">gina.eason@citrusbocc.com</a></p>	<p><b>County Liaison</b>          Randall Olney, Director          Department of Public Works          3600 W. Sovereign Path, Suite 212          Lecanto, FL 34461          352-527-5465  <a href="mailto:randall.olney@citrusbocc.com">randall.olney@citrusbocc.com</a>  <a href="mailto:catherine.oulette@citrusbocc.com">catherine.oulette@citrusbocc.com</a></p>
<p><b>CITRUS COUNTY GOVERNMENT CONTACTS</b></p>	
<p>Jim Baird, Assistant Building Official          Building Division          Department of Planning and Development          3600 W Sovereign Path, Suite 111          Lecanto FL 34461          352-527-5321  <a href="mailto:jim.baird@citrusbocc.com">jim.baird@citrusbocc.com</a></p>	<p>Larry Brock, Assistant Director          Department of Public Works          3600 W Sovereign Path, Suite 212          Lecanto FL 34461          352-527-5477  <a href="mailto:larry.brock@citrusbocc.com">larry.brock@citrusbocc.com</a></p>
<p>Ken Cheek, Director          Water Resources Department          3600 W Sovereign Path, Suite 201          Lecanto FL 34461          352-527-7646  <a href="mailto:ken.cheek@citrusbocc.com">ken.cheek@citrusbocc.com</a>  <a href="mailto:julie.canada@citrusbocc.com">julie.canada@citrusbocc.com</a></p>	<p>Laura A. Borgesi, Director          Engineering Division          3600 W Sovereign Path, Suite 241          Lecanto FL 34461          352-527-5446  <a href="mailto:laura.borgesi@citrusbocc.com">laura.borgesi@citrusbocc.com</a>  <a href="mailto:gina.eason@citrusbocc.com">gina.eason@citrusbocc.com</a></p>
<p>Mariselle Rodriguez          Director Community Services          2804 W Marc Knighton Ct          Lecanto FL 34461          352-527-5902  <a href="mailto:Mariselle.Rodriguez@citrusbocc.com">Mariselle.Rodriguez@citrusbocc.com</a>  <a href="mailto:lissette.serrano@citrusbocc.com">lissette.serrano@citrusbocc.com</a></p>	<p>Karla Grzeca, Flood Management Specialist          Building Division          Department of Planning and Development          3600 W Sovereign Path, Suite 111          Lecanto FL 34461          352-527-5264  <a href="mailto:karla.grzeca@citrusbocc.com">karla.grzeca@citrusbocc.com</a></p>
<p>Carlton Hall          Facilities Management Director          1300 S. Lecanto Highway          Lecanto, FL 34461          352-527-7654          Cell – 352-400-0640  <a href="mailto:carlton.hall@citrusbocc.com">carlton.hall@citrusbocc.com</a></p>	<p>Carl Jones, Director          Building Division          Department of Planning and Development          3600 W Sovereign Path, Suite 111          Lecanto FL 34461          352-527-5320  <a href="mailto:carl.jones@citrusbocc.com">carl.jones@citrusbocc.com</a></p>



<b>CITRUS COUNTY GOVERNMENT CONTACTS</b> <i>continued</i>	
Gary Loggins, Operations Division Director Water Resources Department Utilities Division 3600 W. Sovereign Path, Suite 291 Lecanto, FL 34461 352-527-7653 <a href="mailto:gary.loggins@citrusbocc.com">gary.loggins@citrusbocc.com</a>	Robert Boschen Grant Administrator Compliance Manager 3600 W. Sovereign Path, Suite 266 Lecanto, FL 34461 352-527-5218 <a href="mailto:robert.boschen@citrusbocc.com">robert.boschen@citrusbocc.com</a>
Devon Villareal-Dabbs Utilities Compliance Manager Department of Water Resources 3600 W. Sovereign Path, Suite 291 Lecanto, FL 34461 352-527-5427 <a href="mailto:devon.villareal@citrusbocc.com">devon.villareal@citrusbocc.com</a>	Craig Stevens, Fire Chief 3600 W. Sovereign Path, Suite 141 Lecanto FL 34461 352-527-7692 <a href="mailto:craig.stevens@citrusbocc.com">craig.stevens@citrusbocc.com</a>
<b>CITRUS COUNTY SHERIFF CONTACTS</b>	
Captain David DeCarlo, Director CCSO, Division of Emergency Operations 1 Dr Martin Luther King Jr Avenue Inverness FL 34450 352-249-2738 <a href="mailto:ddecarlo@sheriffcitrus.org">ddecarlo@sheriffcitrus.org</a>	Chris Evan, Deputy Director CCSO, Division of Emergency Operations 3549 Saunders Way Lecanto FL 34461 352-249-2703 <a href="mailto:cevan@sheriffcitrus.org">cevan@sheriffcitrus.org</a>
Bretlee Jordan CCSO, Division of Emergency Operations Emergency Management Planner 3549 Saunders Way Lecanto, FL 34461 <a href="mailto:bjordan@sheriffcitrus.org">bjordan@sheriffcitrus.org</a>	
<b>CITRUS COUNTY – OTHER AGENCY CONTACTS</b>	
Glenn Bryant, Environmental Manager Environmental Health Section 3650 W Sovereign Path Lecanto FL 34461 352-527-5307 <a href="mailto:glenn.bryant@flhealth.gov">glenn.bryant@flhealth.gov</a>	Chuck Dixon, AICP, Director Planning and Growth Management Citrus County Schools 2575 S. Panther Pride Drive Lecanto, FL 34461 352-746-3960 Cell 352-400-1368 <a href="mailto:dixonc@citrus.k12.fl.us">dixonc@citrus.k12.fl.us</a>
Nature Coast EMS 3876 W County Hill Drive Lecanto FL 34461 352-249-4714 <a href="mailto:jennies@naturecoastems.org">jennies@naturecoastems.org</a>	Tonya Caldwell, Chief Deputy PA Citrus County Property Appraiser 210 N. Apopka Avenue, Suite 200 Inverness, FL 34450 352-341-6600 <a href="mailto:tcaldwell@citruspa.org">tcaldwell@citruspa.org</a> <a href="mailto:pworley@citruspa.org">pworley@citruspa.org</a>

<b>CITY OF CRYSTAL RIVER CONTACTS</b>	
Brian Herrmann, Director Planning and Zoning	Joe Meek, Mayor City of Crystal River

<p>City of Crystal River  123 NW Highway 19  Crystal River FL 34428  352-795-4216, ext. 301  <a href="mailto:BHerrmann@crystalriverfl.org">BHerrmann@crystalriverfl.org</a></p>	<p>123 NW Highway 19  Crystal River FL 34428  352-795-7455  <a href="mailto:jmeek@crystalriverfl.org">jmeek@crystalriverfl.org</a></p>
<p>Brown Jack Dumas Assistant City Manager  City of Crystal River  123 NW Highway 19  Crystal River FL 34428  352-795-4216, ext. 305  <a href="mailto:bdumas@crystalriverfl.org">bdumas@crystalriverfl.org</a></p>	<p>Beau Keene, Director  Public Works  City of Crystal River  123 NW Highway 19  Crystal River FL 34428  352-795-4216 ext. 313  <a href="mailto:bkeene@crystalriverfl.org">bkeene@crystalriverfl.org</a></p>
<b>CITY OF INVERNESS CONTACTS</b>	
<p>Debra Schramm, Community Development Manager  City of Inverness  212 W Main Street  Inverness FL 34450  352-726-3401  <a href="mailto:dschramm@inverness-fl.gov">dschramm@inverness-fl.gov</a>  <a href="mailto:jhamilton@inverness-fl.gov">jhamilton@inverness-fl.gov</a></p>	<p>Eric Williams, City Manager  City of Inverness  212 W Main Street  Inverness FL 34450  352-726-2611, ext. 1011  <a href="mailto:administration@inverness-fl.gov">administration@inverness-fl.gov</a>  <a href="mailto:ewilliams@inverness-fl.gov">ewilliams@inverness-fl.gov</a></p>
<p>Scott McCulloch, Public Works Director  City of Inverness  212 W Main Street  Inverness FL 34450  352-726-2321  <a href="mailto:publicworks@inverness-fl.gov">publicworks@inverness-fl.gov</a>  <a href="mailto:jsmith@inverness-fl.gov">jsmith@inverness-fl.gov</a></p>	<p>Vacant, Assistant City Manager  City of Inverness  212 W Main Street  Inverness FL 34450  352-726-2611, ext. 1011</p>
<b>STATE AGENCY CONTACTS</b>	
<p>Trisha Neasman, AICP, Planning Supervisor  Southwest Florida Water Management District  2379 Broad Street  Brooksville FL 34604  352-796-7211, ext. 4407  <a href="mailto:trisha.neasman@watermatters.org">trisha.neasman@watermatters.org</a></p>	<p>Steve Diez, Executive Director  Hernando-Citrus Metropolitan Planning Organization (MPO)  20 N. Main Street  Brooksville, FL 34601  352-754-4082  <a href="mailto:stevend@hernandocounty.us">stevend@hernandocounty.us</a></p>

<b>STATE AGENCY CONTACTS - continued</b>	
<p>Tim Fox, Forest Area Supervisor  Withlacoochee Forestry Center  Florida Forest Service  15019 Broad Street  Brooksville FL 34601  352-797-4100</p>	<p>Judith Tear, Wildfire Mitigation Specialist/PIO  Withlacoochee Forestry Center  Florida Forest Service  15019 Broad Street  Brooksville FL 34601  352-797-4133</p>

<p>Cara Woods Serra, CFM, AICP Planner Tampa Bay Regional Planning Council 4000 Gateway Centre Blvd., Suite 100 Pinellas Park, FL 33782 727-570-5151, ext. 28 <a href="mailto:cara@tbrpc.org">cara@tbrpc.org</a></p>	
<b>UTILITY COMPANY CONTACTS</b>	
<p>Dorothy T. Pernu Government &amp; Community Relations Manager Duke Energy 4359 SE Maricamp Road Ocala, FL 34480 352-694-8828 <a href="mailto:Dorothy.pernu@duke-energy.com">Dorothy.pernu@duke-energy.com</a> <a href="mailto:wendy.smith@duke-energy.com">wendy.smith@duke-energy.com</a></p>	<p>Michael G. Mangan Account Executive Large Account Management Duke Energy Florida 4359 SE Maricamp Rd., OC11 Ocala, FL 34480 352-694-8802, cell 352-857-7963 <a href="mailto:michael.mangan@duke-energy.com">michael.mangan@duke-energy.com</a></p>
<p>Marlin Sexton Claribel Gonzalez, Secretary Withlacoochee River Electric Cooperative 5330 West Gulf to Lake Highway Lecanto FL 34461 352-795-4382, ext. 4100 <a href="mailto:msexton@wrec.net">msexton@wrec.net</a> <a href="mailto:cgonzalez@wrec.net">cgonzalez@wrec.net</a></p>	<p>Barry Bowman Sumter Electric Cooperative 610 South US-41 Inverness FL 34450 352-726-3944 <a href="mailto:barry.bowman@secoenergy.com">barry.bowman@secoenergy.com</a></p>
<p>Steve Bowler Withlacoochee River Electric Cooperative 5330 West Gulf to Lake Highway Lecanto FL 34461 <a href="mailto:sbowler@wrec.net">sbowler@wrec.net</a></p>	
<b>INTERESTED PARTIES</b>	
<p>Gerald Brummer 34 Grass Street Homosassa FL 34446 <a href="mailto:smwcert@gmail.com">smwcert@gmail.com</a></p>	<p>Kathy Townsley 9 Chinaberry Circle Homosassa FL 34446 352-503-6031 <a href="mailto:Townsley_99@yahoo.com">Townsley_99@yahoo.com</a></p>
<p>Gail Kostelnick Kings Bay Florida Waterfronts Board 2021 NW 13 Street Crystal River FL 34428 <a href="mailto:cicadaqail@earthlink.net">cicadaqail@earthlink.net</a></p>	<p>Gaston Hall Hall Brothers of C.C., Inc. 220 West Deer Trail Lane Lecanto, FL 34461 352-746-7000 <a href="mailto:hallbros@hallbros.com">hallbros@hallbros.com</a></p>
<p>Citrus County Builders Association 1196 S Lecanto Hwy Lecanto, FL 34461 352-746-9028 <a href="mailto:ccba@tampabay.rr.com">ccba@tampabay.rr.com</a></p>	

**Relevant Goals and Objectives (pg 113-115):**

*Some of the objectives in this document were out of order and not under a corresponding goal*

- **Goal 4:** Preserve, protect, and enhance resources of the Coastal, Lakes, and River Areas and where appropriate, restrict development activities which would damage or destroy these resources, protect human life, and limit the public expenditure in areas subject to natural disasters.
  - **Objective 4.10:** The County shall direct population concentrations away from the Coastal High-Hazard Area through appropriate regulations in the Land Development Code.

**Relevant Actions:** *(Applies to the entire county unless otherwise stated)*

*None*

Collier County

**Year: 2020**

**Timeframe:**

- March 31, 2020: Plan released
- Plan Expires April 13, 2025

**Date of Next Planned Revision:**

- Plan will be updated every 5 years

**Responsible Planning Agency (who prepared plan):** No specific planning agency mentioned

**Jurisdictions Covered:** Everglades City, City of Naples, City of Marco Island, Collier County Public Schools, Collier County Mosquito Control District, Greater Naples Fire Rescue District, Immokalee Fire Control District, North Collier Fire Control and Rescue District

Planning Team:

Jurisdiction	Name	Position/title Agency	I. Participati	Invited
CC	Rick Zyvolski, Chair	Coordinator Emergency Management Dept.	P	
CC	William Lang, Vice Chair	Warning Coordinator Bureau of Emergency Svs – EM	P	
Res	James von Rinteln	Interested Resident	P	
Res	Reg Buxton	Citizen Corps/Naples City Council	P	
Res	Jeff Johnson	Interested Resident	P	
PNP	Tricia Dorn	Key Account Executive Lee Co. Elec. Cooperative	P	
PNP	Ashley Jones	The Salvation Army	P	
CCPS	Marc Rouleau/ Marc MacDonald	Facilities Engineer Collier County Public Schools	P	
State	Melinda Avni/Thomas Gonzales	Florida Forest Service	P	
CC	Mark Grajewski	Collier Mosquito Control District	P	
CC	Christopher Mason	Floodplain Coordinator Growth Management Department	P	
CC	Robert Wiley/Jerry Kurtz, L.Gosselin	Principal Project Manager Stormwater Mgmt. Section	P	
CC	Nicole Jensen	Solid & Haz. Waste Mgmt. Div.	P	

Nap	Christa Carrera	Floodplain Manager City of Naples	P	
MI	Kelli Defedericis	Floodplain Mgr. City of Marco Isl., Cmty Affairs	P	
MI	Chris Byrne	Irma Incident Commander City of Marco Island	P	
EGC	Terry Smallwood/Dottie Smallwood	Building Official City of Everglades	P	
Fire Dist	W. Martin/A. McLaughlin	Greater Naples Fire Rescue Dist.	P	
Fire Dist	Sal D'Angelo	North Collier Fire & Rescue Dist.	P	
Fire Dist	Rita Greenberg	Immokalee Fire & Rescue Dist.	P	
CDD	Invited	Heritage Bay Community Development Dist.		X
Edu	Invited	Fla. Gulf Coast Univ.		X
Edu	Invited	Hodges University		X
Edu	Invited	Univ of Fla. (IFAS)		X
Business	Invited	Naples Chamber of Commerce		X
PNP	Invited	Conservancy of Naples		X
Hosp	Invited	Naples Cmty Hospital		X
State	Invited	Fla.Div. of Law Enforcement		X
State	Invited	SW Fla. Regional Plng Council		X
County	Invited	CC Planning Commission		X
County	Invited	CC Clerk of Courts		X
County	Invited	CC Library		X
County	Invited	CC Mgr's Office		X
County	Invited	CC Solid Waste		X
County	Invited	CC Purchasing		X
County	Invited	CC Fleet		X
County	Invited	CC Transportation		X
County	Invited	CC Property Appraiser		X
County	Invited	CC Risk Mgt.		X
County	Invited	CC Human Resources		X
County	Invited	CC Recycling		X
County	Invited	CC Information Technology		X
County	Invited	CC Cmty & Customer Rel.		X
County	Invited	CC Univ. of FL Extension		X
County	Invited	Community Redevelopment Agency		X
Munic	Invited	Naples Airport		X
EMS	Invited	CC Emerg Med. Svs.		X
Fire	Invited	Marco Island FD		X
Sem. Tribe	Invited	Seminole Tribe of Florida		X
Lee Co	Invited	Emergency Management		X
Hendry Co	Invited	Emergency Management		X

### Relevant Goals and Objectives (232-236):

- Goal 1: Collier County shall pursue efforts to reduce the vulnerability and exposure of its residents and guests by protecting lives and property from the effects of natural, man made and technological disasters.
  - Objective 1.3: Protect natural resources (such as environmentally sensitive lands and aquifers) to maximize their survivability and to safeguard them from damages caused by natural, manmade or technological disasters.
  - Objective 1.6: Protect dune systems and coastal/marine resources from the adverse effects of coastal development.

- Objective 1.8: Encourage land and water uses which are compatible with the protection of environmentally sensitive lands and coastal resources.
- Objective 1.9: Prohibit development and other activities which negatively impact coastal dune systems and promote the restoration of dune systems that have been damaged.
- Goal 6: Collier County and local Municipalities shall make every reasonable effort to protect water resources, unique natural habitats and ecologically sensitive areas such as wetlands, waterways and hardwood hammocks, and restore, to the maximum extent feasible, degraded natural systems to their original state.
  - Objective 6.1: Conserve and protect wetlands and coastal natural features to maintain their economic, aesthetic and recreational values.
  - Objective 6.2: Acquire, retain, manage and inventory public lands to provide conservation and related public benefits.
  - Objective 6.3: Promote the use of agricultural and horticultural practices which are compatible with the protection of natural systems.
  - Objective 6.4: Protect and restore the ecological functions of wetland systems to ensure their long-term environmental, economic and recreational values.
  - Objective 6.5: Protect and enhance water sources, public utilities, wetlands, natural habitats from potential natural (wildfire and weather), manmade and terrorist acts.

**Relevant Actions:** *(Applies to the entire county unless otherwise stated) (No specific Action numbers)*

*None*

## Dixie County

**Year:** 2010

**Timeframe:**

- March 14, 2005: Review of previous plan
- February 13, 2006: Status update of previous projects
- May 1, 2007: Review status of LMS mitigation projects
- February 27, 2008: Public invited to meeting
- March 16, 2010: The next plan update was initiated
- August 2010: Plan presented to public

**Date of Next Planned Revision:**

- Plan will be updated every 5 years

**Responsible Planning Agency (who prepared plan):** Disaster Strategies and Ideas Group (DSI), LLC. Prepared by the Dixie County Emergency Services

**Jurisdictions Covered:** Dixie County, Towns of Cross City, and Horseshoe Beach.

Planning Team:

Tim Alexander	Emergency Services Director
Scott Garner	Division Chief of Emergency Management
Major, Scott Harden	Dixie County Sheriff Office
Mike Cassidy	Dixie County Manager
Marvin Hunt	Chairman, Dixie County BOCC
Martha McBurnette	Mayor Town of Horseshoe Beach
Howard Reed	Road Department
Robbie Lee	Property Appraiser
John Jenkins	Building and Zoning
Scott Gantt	Cross City Manager
Charlotte Lord	Dixie County School Board

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Stakeholders:

Some stakeholders that were key participants in the LMS development included: Town of Cross City, Town of Horseshoe Beach, Dixie County School Board, Big Bend Water Authority, Horseshoe Beach Community Redevelopment Agency, Florida Division of Forestry, Florida Division of Emergency Management, Neighboring County Emergency Management

**Relevant Goals and Objectives (pg 112-113):**

- Goal 4: Use the hazard identification and vulnerability assessment to identify uses, which may have an adverse impact on the county's natural resources.
  - Objective 4.1: Identify projects for the protection of natural resources, which are potentially impacted by uses identified in the County's hazard identification portion of the Local Mitigation Strategy Program.

**Relevant Actions:**

*None*



## Franklin County

**Year:** 2015

### **Timeframe**

Meetings Occurred from 2010-2014 (no specific meeting dates mentioned)  
December 15, 2015: Plan adopted by the county

### **Date of Next Planned Revision:**

- Plan will be updated every 5 years

**Responsible Planning Agency (who prepared plan):** No specific agency mentioned

**Jurisdictions Covered:** Franklin County, City of Apalachicola, City of Carrabelle  
**Planning Team:**

Franklin County Sheriff's Office Sheriff	Sheriff
Franklin County Emergency Management Department	Director and Coordinators
Franklin County Board of County Commissioners	Commissioners
Franklin County Planning & Building Department	Director
Franklin County Solid Waste	Director
Franklin County School Board	Superintendent of Schools
Franklin County Property Appraiser's Office	Property Appraiser
Franklin County Parks & Recreation	Director
Franklin County Road Department	Director
Franklin County Administration	Director of Administrative Services
City of Apalachicola	Mayor
City of Apalachicola Police	Chief
City of Carrabelle	City Administrator
SHIP Program	Coordinator
Florida Department of Transportation	District Roadway Engineer
Apalachicola Regional Planning Council	Director
Florida Forest Service	Senior Forest Ranger
Northwest Florida Water Management District	Representative
Weems Memorial Hospital	CEO
Liberty County Emergency Management	Director
The Times Apalachicola and Carrabelle	Reporter
Local Businesses	Representative
Franklin County Citizens	Representative

Faith Based Organizations	Representative
The Management Experts	Owner and Emergency Management Planner

### **Stakeholders:**

No specific stakeholders mentioned

**Relevant Goals and Objectives (pg 3):**

- Goal 5: Maintain the condition of coastal and riverine environmental systems, especially those that provide natural protection and have economic value.
  - Objective 5.1: Protect natural coastal barriers so there will be no loss of dune systems
  - Objective 5.2: Conserve and protect mineral and soil resources
  - Objective 5.3: Maintain Estuarine water quality such that there will be no net loss of approved shellfish harvesting classifications
- Goal 9: Protect scenic, historical, and recreational community resources
  - Objective 9.3: Establish a scenic road program and preserve the area's natural beauty

**Relevant Actions: *(Applies to the entire county unless otherwise stated)***

- Project 8: Continue to plant vegetation along the county's coastal region to reduce erosion, enhance the formation of sand dunes and to protect roads from washouts.
- Project 15: Protect and improve functioning of wetlands and waterways by control or elimination of invasive plants.

# Gulf County

**Year: 2015**

**Timeframe:**

- January 21, 2015: Public LMS Committee meeting (review of 2011 projects)
- March 23, 2015: LMS goals and objectives
- June 8, 2015: Discussion of draft plan

**Date of Next Planned Revision:**

- Plan will be updated every 5 years

**Responsible Planning Agency (who prepared plan):** DSIdeas Group, LLC

**Jurisdictions Covered:** Gulf County, Port St. Joe, Wewahitchka

**Planning Team:**

Appendix G: **LMS Committee Membership** Roster

Organization	Representative	Title	Membership Type	Location	Phone	Email
<b>PRIVATE SECTOR</b>						
Blount Insurance Agency	TBA	Agent	Business	Port St. Joe	850-227-1900	
Cook Insurance Agency	C. Baldwin	Agent	Business	Port St. Joe	850-697-3473	cbaldwin@my100bank.com
Coastal Insurance Agency	TBA	Agent	Business	Port St. Joe	850-227-1960	
Costin Insurance Agency	Al Sheffer	Agent	Business	Port St. Joe	850-229-8899	costinin@gtcom.net
Farm Bureau Insurance Agency	TBA	Agent	Business	Port St. Joe	850-639-5077	
Hannon Insurance Agency	Roy Smith	Agent	Business	Port St. Joe	850-227-1133	rsmith@hannoninsurance.com
Graddy Insurance Agency	Cindy Traylor	Agent	Business	Wewahitchka	850-639-5077	ggraddyins@fairpoint.net
General Public	David Richardson	Citizen	General Public	Gulf County	850-647-5253	smrder1971@gmail.com
<b>PORT ST. JOE</b>						
City of Port St. Joe	Jim Anderson	City Manager	City Government	Port St. Joe	850-229-8262	janderson@psj.fl.gov
City of Port St. Joe Police Dept	David Barnes	Police Chief	Law Enforcement	Port St. Joe	850-229-8265	dbarnes@psj.fl.gov
City of Port St. Joe Downtown Redevelopment Agency	Gail Alsobrook	Director	City Government	Port St. Joe	619-655-0021	gail@PSJRA.com
<b>WEWAHITCHKA</b>						
City of Wewahitchka	Don Minchew	City Manager	City Government	Wewahitchka	850-639-2605	citywewa@fairpoint.net
<b>GULF COUNTY (UNINCORPORATED)</b>						
American Red Cross	Bob Pearce	Vol Coordinator	Volunteer Org	Port St. Joe	850-763-6587	bob.pearce@redcross.org
Salvation Army	Tom Williams	Services Rep	Volunteer Org	Port St. Joe	850-769-5259	tom_williams@uss.salvationarmy.org
Florida Forestry Service	Bryce Thomas	Mitigation Agent	State Government	Port St. Joe	850-827-1421	bryce.thomas@freshfromflorida.com
FLASH of Florida	Leslie Chapman	Director	Non Profit	Tallahassee	877-221-7233	leslie@flash.org
Gulf Coast Community College	Loretta Costin	Director, Gulf/Franklin Campus	Education	Port St. Joe	850-227-9670	lcostin@gulfcoast.edu
Gulf County Extension Service	Roy Lee Carter	County Agent	State Government	Port St. Joe	850-639-3200	ricarter@ufl.edu
Gulf County School Board	Jim Norton	Superintendent	Education	Port St. Joe	850-229-8256	jnorton@gulf.k12.fl.us
Gulf County BOCC	Don Butler	County Administrator	County Government	Port St. Joe	850-229-6106	dbutler@gulfcounty-fl.gov

Organization	Representative	Title	Membership Type	Location	Phone	Email
Gulf County Building Dept	George Knight	Building Inspector	County Government	Port St. Joe	850-229-8944	gknight@gulfcountry.gov
Gulf County Clerk of the Court	Becky Norris	Clerk of the Court	County Government	Port St. Joe	850-229-6112	bnorris@gulfcclerk.com
Gulf County Emergency Mgmt	Marshall Nelson	Director	County Government	Port St. Joe	850-229-9110	mnelson@gulfcountry-fl.gov
Gulf County Emergency Mgmt	Ben Guthrie	911 Director	County Government	Port St. Joe	850-229-9111	bguthrie@gulfcountry-fl.gov
Gulf County Grants Department	Kari Summers	Division Director	County Government	Port St. Joe	850-229-6144	ksummers@gulfcountry-fl.gov
Gulf County GIS	Mike Nelson	Division Director	County Government	Port St. Joe	850-229-9110	mikenelson@gulfcountry-fl.gov
Gulf County Health Dept	Marsha Lindeman	Administrator	State	Port St. Joe	850-227-1276	marsha_lindeman@doh.state.fl.us
Gulf County Mosquito Control and Solid Waste Department	Joe Danford Mark Cothran	Directors	County Government	Port St. Joe	850-227-3696 850-227-1401	jdanford@gulfcountry-fl.gov mcothran@gulfcountry-fl.gov
Gulf County Planning	Brett Lowry	Director	County Government	Port St. Joe	850-227-9562	blowry@gulfcountry-fl.gov
Gulf County Property Appraiser	Mitch Burke	Property Appraiser	County Government	Port St. Joe	850-229-6115	mitch@gulfpa.com
Gulf County Public Works Dept	Mark Cothran Lee Collinsworth	Directors	County Government	Port St. Joe	850-227-1401 850-227-1401	mcothran@gulfcountry-fl.gov lcollinsworth@gulfcountry-fl.gov
Gulf County Tourist Development Council	Jennifer Jenkins	Director	County Government	Port St. Joe	850-229-7800	jennifer@visitgulf.com
Gulf County Chamber of Commerce	Paula Pickett	Director	Non Profit	Port St. Joe	850-227-1223	paula@gulfchamber.org
Gulf County Economic Development Council	Towan Kopenski	Director	County Government	Port St. Joe	850-229-6144	tkopenski@gulfcountry-fl.gov
Gulf County Veterans Services	Joe Paul	Director	County Government	Port St. Joe		jpaul@gulfcountry-fl.gov
Coastal Community Association	Pat Hardman	Chairman	Non-Profit	Port St. Joe	850-229-7799	gulftobay@fairpoint.net
NW Florida Water Mgmt District	Jerrick Saquibal	Director	Special District	Quincy	850-539-5999	Jerrick.Saquibal@nwfwmd.state.fl.us
Apalachee RPC	Chris Reitow	Director	State	Tallahassee	850-468-6211	Chris.reitow@thesrpc.com

### Stakeholders:

No specific stakeholders mentioned

### Relevant Goals and Objectives (pg 69-70):

- Goal 3: Maintain the condition of coastal and riverine environmental systems, especially those that provide natural protection and have economic value.

### Relevant Actions: (Applies to the entire county unless otherwise stated) (no specific action numbers)

- Action 2: County wide beach nourishment and dune restoration with an emphasis on the Stump Hole and St. Joseph Peninsula areas. (pg 79)
- Action 6: Protect the shoreline where US Highway 98 washes out in the Highland View Community area and along the Constitution Drive area of Port St. Joe. (pg 80)

## Hernando County

**Year: 2015**

### **Timeframe:**

(Schedule for the next 5 year update)

<u>Time from Due Date:</u>	<u>Action:</u>
T - 18 months	First public meeting and formation of committee, begin data collection and Research for the risk analysis
T - 12 months to 9 months	Public Meetings, task assignments, plan updates, complete draft
T - 8 months to 6 months	Final Public Meeting, Plan Approval by LMS Committee, Submit Plan to State of Florida for review
T - 9 months to 6 months	Make revisions if necessary
T - 6 month to 3 months	Submit to FEMA for review
Target due date	Receive FEMA approval
T + 2 months	Board of County Commissioners and Municipalities for adoption process

### **Date of Next Planned Revision:**

- Plan will be updated every 5 years (see above)

**Responsible Planning Agency (who prepared plan):** Developed by the Hernando County Sheriff's Office Emergency Management (contact info on cover page)

**Jurisdictions Covered:** Hernando County, City of Brooksville, City of Weeki Wachee

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**Relevant Goals and Objectives (pg 94):**

None

**Relevant Actions:**

None

## Hillsborough County

**Year:** 2015

**Timeframe:**

- \*meeting minutes since 2010 can be found in Appendix A  
(<https://www.hillsboroughcounty.org/library/hillsborough/media-center/documents/public-works/local-mitigation-strategy-2015/appendix-m---lms-2015.pdf>)
- July 2015: Plan adopted

**Date of Next Planned Revision:**

- Plan will be updated every 5 years

**Responsible Planning Agency (who prepared plan):** No specific planning agency mentioned

**Jurisdictions Covered:** Hillsborough County, Tampa, Temple Terrace, Plant City



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Sharon Tarman	Emergency Management Officer	Manatee County	<a href="mailto:sharon.tarman@mymanatee.org">sharon.tarman@mymanatee.org</a>	
Shawn College	Team Leader Environmental Planning	Hillsborough County	<a href="mailto:colleges@plancom.org">colleges@plancom.org</a>	
Stacy Williams	Public Affairs Manager	IBHS	<a href="mailto:swilliams@ibhs.org">swilliams@ibhs.org</a>	
Stephanie Grimes	Administrative Secretary	Tampa General Hospital	<a href="mailto:sjgrimes@tgh.org">sjgrimes@tgh.org</a>	
Steven Castonguay	Government Operations Consultant II	Dept. of Health	<a href="mailto:Steven.Castonguay@flhealth.gov">Steven.Castonguay@flhealth.gov</a>	
Steven Pecinovsky	Chief of Staff	USCIS	<a href="mailto:steven.pecinovsky@dhs.gov">steven.pecinovsky@dhs.gov</a>	
Susan Mueller	Emergency & Business Continuity Mgmt Director	TECO	<a href="mailto:smmueller@tecoenergy.com">smmueller@tecoenergy.com</a>	
Ted Williams	Senior Program Coordinator	Hillsborough County	<a href="mailto:williamst@hillsboroughcounty.org">williamst@hillsboroughcounty.org</a>	
Toni Palmer	Planner	UASI	<a href="mailto:toni.palmer@ci.tampa.fl.us">toni.palmer@ci.tampa.fl.us</a>	
Wanda Sloan	Cmnty Affairs Liaison	Hillsborough County	<a href="mailto:sloanw@hillsboroughcounty.org">sloanw@hillsboroughcounty.org</a>	(813) 307-3564
Warren Hood	Citizen		<a href="mailto:stratec2@hotmail.com">stratec2@hotmail.com</a>	
William Bracken	Principal Engineer	Bracken Engineering	<a href="mailto:wbracken@brackenengineering.com">wbracken@brackenengineering.com</a>	
William Twaite	Contracts Manager	Hillsborough County	<a href="mailto:twaitew@hillsboroughcounty.org">twaitew@hillsboroughcounty.org</a>	

### Relevant Goals and Objectives:

None

**Relevant Actions:** *(Applies to the entire county unless otherwise stated) (No specific Action numbers) (These are only the actions for the entire county, not the specific cities)*

- **Project 106.4:** Regrading and replanting streambank. Support invasive species removal and agricultural BMPs. (pg 12)
- **Project 106.6:** Replace invasive shoreline vegetation with native plants. (pg 12)
- **Project 106.7:** Use ditch blocks to restore wetland hydroperiod for group of existing wetlands. (pg 12)
- **Project 106.8:** Enhance existing wetland south of Fletcher Avenue. (pg 12)
- **Project 106.9:** Enhance existing wetland at USF golf course. (pg 12)
- **Project 107:** Enhance existing wetland south of Bruce B. Downs Boulevard.
- **Project 107.1:** Enhance existing wetland east of 56th Street.

- **Project 107.3:** Shoreline acquisition [area recently developed] Also, include LaMP in Mango. (pg 13)
- **Project 107.6:** Divert flow to borrow pit to create 15 acre pond. Also, create 2-5 acre marsh
- **Project 108:** Install ditch blocks and excavate to increase existing wetland hydroperiod. (pg 14)
- **Project 108.6:** Create large marsh and divert flow to existing pond.
- **Project 108.7:** Regrade and replant streambank. Invasive species and agricultural BMP effort. (pg 15)
- **Project 108.9:** Purchase 5 parcels and create 13.5 acre detention pond and wetlands. (pg 15)
- **Project 109.1:** Create large marsh in-line or off-line.
- **Project 109.3:** Regrading and replanting streambank. Support invasive species removal and agricultural BMPs. (pg 16)
- **Project 109.4:** Acquire/improve 90 acres for wildlife habitat. Contains three disturbed wetlands. Create shallow foraging pond for Ibis, and passive recreational/educational area. (pg 16)
- **Project 109.6:** Remove nuisance vegetation and plant native understory to reduce erosion and improve wildlife habitat. (pg 16)
- **Project 110:** Expand existing 30 acre wetland to create 60 acre stormwater treatment area and culvert replacement.
- **Project 110.3:** Replant west shoreline with aquatic plants to aid in shifting the trophic structure of the lake from a phytoplankton dominated system to an emergent/submerged aquatic plant dominated system (pg 17)
- **Project 110.4:** Regrade existing channel north of Floral Drive to Lakewood/Iris Avenue and restore/create wetland riparian habitat along the channel. (pg 17)
- **Project 111.3:** Restore 1,100 acres [acquired former pasture] to provide habitat based on soils and historic aerals. Restore to pine flatwoods and hardwood hammocks. (pg 19)
- **Project 111.7:** Restore approx. 50 acres of wet pasture to herbaceous wetlands. (pg 19)
- **Project 111.9:** Restore hydroperiod of impacted 40 acre wetland. (pg 20)

- **Project 112.1:** Develop stormwater wetland system in the portion of property used for agriculture and integrate it with the adjacent natural systems. Design system to provide stormwater treatment for flows equivalent to one inch from the S. (pg 20)
- **Project 112.8:** Construct culvert for wildlife underpass on two roadways near Balm-Boyette Scrub.
- **Project 112.9, 113, 113.1, 113-3 -7:** Invasive species removal and native planting.
- **Project 113.2:** Expand canal to increase size of redfish nursery.



## Lee County

**Year: 2017**

**Timeframe:**

- August 22, 2016: Draft Plan meeting
- September 19, 2016: update process and project formulation meeting
- November 1, 2016: Planning process, review of current LMS goals, project timeline discussion
- December 13, 2016: list of hazards and the HIRA methodology were discussed.
- January 27, 2017: draft HIRA and discussion began on the updated LMS strategies for each of the municipalities and towns along with the county strategies.
- March 8, 2017: Review the full draft plan to include the HIRA and update county and city mitigation strategies and projects.

**Date of Next Planned Revision:**

- Plan will be updated every 5 years

**Responsible Planning Agency (who prepared plan):** No specific planning agency mentioned

**Jurisdictions Covered:** The City of Bonita Springs, City of Cape Coral, Village of Estero, City of Fort Myers, Town of Fort Myers Beach and City of Sanibel

**Planning Team:**

Baucom, Warren – Lee County Economic Development  
Beals, Nathan - Lee County Utilities  
Brown, Pam - Visitors Convention Bureau  
Campbell, Gerald – Florida Gulf Coast University  
Carter, Cindy – Lee County Parks & Recreation  
Carter, Linda – No Person Left Behind  
Cassidy, Frank – City of Bonita Springs  
Coleman, Kyle – Village of Estero  
Dalton, William – Sanibel Police Department  
Daltry, Wyatt – City of Cape Coral  
Davis, Jenny - Lee County Public Safety  
Dunn, Brandon - Lee County Community Development  
Eck, Caitlyn – Lee County Health Department  
Fenske, Jennifer – Lee County Public Safety  
Fournier, Celeste - Lee County Emergency Management  
Gooderham, Kate - Gooderham & Associates  
Hartwell, Judy – City of Fort Myers Fire Dept.  
Jacoby, Billie – Lee County Community Development  
LaGuardia, Joan – Lee County Community Development  
Larsen, Sandy – City of Sanibel  
Lassiter, Trish - LCEC  
Massey, David – Intern Lee County Management  
Mayfield, Lee - Lee County Emergency Management  
Quimby, Debbie - Lee County Emergency Management  
Rooker, Kathleen – Captiva Erosion District  
Smith, Stephen – ARES/RACES  
Spearo, Jesse – Cape Coral Emergency Management  
Thompson, Richard – City of Fort Myers  
Walker, Tim – SWFL Regional Planning Council  
Will, Megan – Town of Fort Myers Beach

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### **Relevant Goals and Objectives (133 - 136):**

- GOAL 1: Support prevention activities and projects that reduce the risk of life and damage to property from identified hazards.
  - Objective 1.2: Continue to support the efforts to purchase environmentally sensitive areas that promote the preservation of open space in specified hazard areas using Conservation 2020 funds, and to leverage other funding sources by working with state land acquisition and land management agencies.
  - Objective 1.4: Continue to support the South Florida Water Management District's efforts to increase the storage capacity to retain stormwater in the Estero Watershed.
- Goal 3: Support natural resource protection activities that preserve or maintain natural areas.
  - Objective 3.1: Continue current wetland coordinating/evaluation programs with state and water management agencies.
  - Objective 3.2: Continue enforcing erosion sedimentation and control regulations that reduce how much sediment enters natural areas when development takes place.
  - Objective 3.3: Support the continued purchase of lands through several local, state and federal programs that promote the preservation of natural areas.
  - Objective 3.4: Support the continued efforts to conserve, preserve, and restore forest, wetlands and coastal natural features, and to renourish the beach front and other natural resource areas.
  - Objective 3.5: Protect and restore the ecological functions of wetland systems to ensure their long-term environmental, economic, and recreational values, including hazard mitigation practices.
  - Objective 3.6: Promote the use of agricultural practices which are compatible with the protection of natural systems.
  - Objective 3.7: Reassess build-out population in the Coastal High Hazard area, and determine how it can be reduced. Build-out population can be reduced via public acquisition of lands such as the Conservation 2020 program or other state programs, or through transfer of development rights programs.

### **Relevant Actions:** *(Applies to the entire county unless otherwise stated) (No specific Action numbers)*

- Billy Creek Restoration – Fort Myers (pg 144)
- Caloosahatchee Shoreline – Fort Myers (pg 144)
- Citywide Lake Rehabilitation – Fort Myers
- Dredging and Restoration of the Sanibel Slough System - Sanibel
- Living Shoreline Projects – Sanibel (pg 144)
- Captiva Island Beach Restoration Project – Lee County (pg 146)
- Gasparilla Island Beach Restoration Project – Lee County (pg 146)

## Levy County

**Year:** 2016

**Timeframe:**

- November 6, 2015: Resources and methodologies meeting. Lauren Yeatter, staff to the Working Group gave a presentation about the LMS 5-year update process. The presentation covered the topic of Mitigation generally and the requirements of the LMS, including the 5-year update. Data, sources, and methodologies were also presented to the Working Group. The Working Group discussed the benefits of participating in the LMS process. The Working Group also discussed which hazards were identified in the LMS and the need to update the project list.
- December 10, 2015: Lauren Yeatter, staff to the Working Group gave a presentation about the LMS 5-year update process. Staff presented results of the hazard and vulnerability analysis. The Working Group discussed hazard events that have occurred since the last 5-year update in 2010-2011. The Group also revised the Critical Facilities inventory, as some municipalities experienced a decrease in the number of Critical Facilities, and the County expanded Critical Facilities.

**Date of Next Planned Revision:**

- Plan will be updated every 5 years

**Responsible Planning Agency (who prepared plan):** Technical Assistance for the preparation of this document was provided by The North Central Florida Regional Planning Council

**Jurisdictions Covered:** Levy County, City of Cedar Key, City of Chiefland, City of Fanning Springs, Town of Bronson, Town of Inglis, City of Otter Creek, Town of Yankeetown

Planning Team:

Table II-1. Levy County Local Mitigation Working Group, 2016

<i>Name/Title</i>	<i>Affiliation</i>	<i>Address</i>	<i>Telephone</i>	<i>Email</i>
<i>John MacDonald* Chair</i>	<i>Levy County Emergency Management, Director</i>	<i>P.O. Box 221 Bronson, FL 32621</i>	<i>486-5213 FAX: 486- 5152</i>	<i>johnmacdonald@levydisaster.com</i>
<i>David Peaton Vice Chair</i>	<i>Levy County Emergency Management</i>	<i>P.O. Box 221 Bronson, FL 32621</i>	<i>486-5213</i>	<i>davidpeaton@levydisaster.com</i>
<i>Bill Hammond</i>	<i>Levy County Zoning/Building Adm.</i>	<i>P.O. Box 672 Bronson, FL 32621</i>	<i>486-5198 FAX: 486- 5246</i>	<i>hammond- bill@levycounty.org</i>
<i>Grace Romero (alt.)</i>	<i>Levy County Zoning/Building Adm.</i>	<i>P.O. Box 672 Bronson, FL 32621</i>	<i>486-5198 FAX: 486- 5246</i>	<i>romero- grace@levycounty.org</i>
<i>Shenley Neely</i>	<i>Levy County Planning Director</i>	<i>P.O. Box 1373 Bronson, FL 32621</i>	<i>486-5405 FAX: 486- 5549</i>	<i>neely- shenley@levycounty.org</i>
<i>Pamela Whitehead</i>	<i>Town of Bronson Town Clerk</i>	<i>P.O. Box 266 Bronson, FL 32621</i>	<i>486-2354 FAX: 486- 6262</i>	<i>bronsonclerk@townofbronson.org</i>
<i>Erik Wise(alt.)</i>	<i>Town of Bronson Public Works</i>	<i>P.O. Box 266 Bronson, FL 32621</i>	<i>486-2354 FAX: 486- 6262</i>	<i>publicworks@townofbronson.org</i>
<i>Michael Hancock</i>	<i>City of Cedar Key Assistant City Clerk</i>	<i>P.O. Box 339 Cedar Key, FL 32625</i>	<i>543-5132 FAX: 866-674- 2419</i>	<i>mhancock@cedarkeyfl.us</i>
<i>Robert Robinson (alt.)</i>	<i>City of Cedar Key</i>	<i>P.O. Box 339 Cedar Key, FL 32625</i>	<i>543-5132 FAX: 866-674- 2419</i>	<i>rrobinson@cedarkeyfl.us</i>
<i>Laurie Copeland</i>	<i>City of Chiefland Building &amp; Zoning</i>	<i>214 Park Avenue Chiefland, FL 32626</i>	<i>493-6711 FAX: 493- 6714</i>	<i>laurie@chieflandfla.com</i>
<i>Howell Lancaster</i>	<i>City of Fanning Springs Mayor</i>	<i>17651 N.W. 90<sup>th</sup> Court</i>	<i>463-2855</i>	<i>mayorlancaster@gmail.com</i>

		<i>Fanning Springs, FL 32693</i>		
<i>Appointment Needed</i>	<i>City of Fanning Springs Fire Chief</i>	<i>P.O. Box 367 Trenton, FL 32693</i>	<i>463-3198</i>	
<i>Drinda Merritt*</i>	<i>Town of Inglis Mayor</i>	<i>P.O. Drawer 429 Inglis, FL 34449</i>	<i>447-2203</i>	<i>mayordrindamerritt@gmail.com</i>
<i>Wayne Moore (alt.)</i>	<i>Town of Inglis Public Works</i>	<i>P.O. Drawer 429 Inglis, FL 34449</i>	<i>447-2203</i>	<i>inglispublicworks@gmail.com</i>
<i>Connie Caldwell</i>	<i>Town of Otter Creek Town Clerk</i>	<i>P.O. Box 65 Otter Creek, FL 32683</i>	<i>486-4413</i>	<i>ottercreektownha@bellsouth.net</i>
<i>Liz Florence</i>	<i>City of Williston Planner</i>	<i>P.O. Drawer 160 Williston, FL 32696</i>	<i>528-3060 FAX: 528- 2877</i>	<i>city.planner@ci.williston.fl.us</i>
<i>Danny Wallace (alt.)</i>	<i>City of Williston</i>	<i>P.O. Drawer 160 Williston, FL 32696</i>	<i>528-5003 FAX: 528- 0955</i>	<i>WallaceD@willistonfire.org</i>
<i>Debra Weiss*</i>	<i>Town of Yankeetown Mayor</i>	<i>P.O. Box 280 Yankeetown, FL 34498</i>	<i>447-2511 FAX: 447- 0774</i>	<i>dlweiss@bellsouth.net</i>
<i>Larry Feldhusen (alt.)</i>	<i>Town of Yankeetown Town Council</i>	<i>P.O. Box 280 Yankeetown, FL 34498</i>	<i>447-2511 FAX: 447- 0774</i>	<i>larryfeldhusen@gmail.com</i>
<i>Ron Grant*</i>	<i>Levy County Citizen</i>	<i>5350 N.E. 200 Terrace Williston, FL 32696</i>	<i>528-0812</i>	<i>rgrant6@juno.com</i>
<i>Dave Pieklik</i>	<i>Levy County NCBD Council, Director</i>	<i>P.O. Box 1112 Bronson, FL 32621</i>	<i>486-5470</i>	<i>Director@naturecoast.org</i>
<i>Mary Kline</i>	<i>Williston Area Chamber of Commerce</i>	<i>P.O. Box 369 Williston, FL 32696</i>	<i>528-5552 FAX: 528- 4342</i>	<i>WCOC@willistonfl.com</i>
<i>Ludie Bond</i>	<i>Florida Forest Service</i>	<i>5450 N.W. Highway 19 Chiefland, FL 32626</i>	<i>258-6084</i>	<i>Ludie.Bond@freshfromflorida.com</i>
<i>David Knowles</i>	<i>Levy Fire/EMS Director</i>	<i>P.O. Box 448 Bronson, FL 32621</i>	<i>486-5209</i>	<i>dknowles@levycountyems.com</i>

### Relevant Goals and Objectives (pg 19-20):

- Goal 6: Encourage the protection of natural resources.
  - Objective 6.1 Participate with the state in the acquisition of lands for environmental protection.
  - Objective 6.2 Conserve and improve wetlands.
  - Objective 6.3 Limit discharge and protect natural resources from toxic substances and harmful pollutants.
  - Objective 6.4 Protect the functions of natural drainage areas and surficial aquifer recharge areas.
  - Objective 6.5 Restrict infrastructure supporting expansion to offshore islands, coastal swamps, marshlands and beaches.

- Objective 6.6 Minimize the impacts of public facilities and utilities on the natural environment.
- Objective 6.7 Mitigate wetland losses to establish an overall net benefit.
  
- Goal 10: Regulate the impacts of development and redevelopment through code enforcement.
  - Objective 10.4 Provide and protect open space.
  - Objective 10.5 Preserve natural vegetation.

**Relevant Actions:** *(Applies to the entire county unless otherwise stated)*

*None*

## Manatee County

**Year: 2014**

**Timeframe:**

- *Team met every year since 2010*
- May 7, 2010
- May 20, 2011
- October 18, 2012
- March 20, 2013
- July 17, 2014
- November 12, 2014

**Date of Next Planned Revision:**

- Plan will be updated every 5 years

**Responsible Planning Agency (who prepared plan):** No specific planning agency mentioned

**Jurisdictions Covered:** Manatee County, Anna Maria, Bradenton, Bradenton Beach, Holmes Beach, Longboat Key, and Palmetto.

**Planning Team:**

Chair: Sandy Tudor, Manatee County Building & Development Services Department, Floodplain Management Coordinator  
Vice-Chair: Kathleen Thompson, Manatee County Building & Development Services Department, Planning Manager, Comprehensive Planning  
Alaina Ray, Town of Longboat Key, Planning, Zoning & Building Director  
Alan Garrett, City of Anna Maria, Planner  
Allen Tusing, City of Palmetto Public Works  
Arlan Cummings, City of Bradenton Public Works & Utilities, Engineering Division Supervisor  
Betti Johnson, Tampa Bay Regional Planning Council  
Bob Mattingly, Sarasota-Bradenton Airport  
Bob Welch, City of Anna Maria, Building Official  
Brett Pollock, West Manatee Fire Rescue  
Brenda Lovett, Manatee County Housing Authority  
Brenda Rogers, Manatee County Community Services Department, Director  
Brian Schnering, Manatee County Sheriff's Office  
Brian Sharkey, Manatee County Utility Department, Utilities Communications/Safety Manager  
Byron Teates, East Manatee Fire Rescue  
Carrie Harter, Florida Department of Health in Manatee County  
Charlie Bishop, Manatee County Property Management, Director  
Charlie Hunsicker, Manatee County Parks and Natural Resources Department, Director  
Dan Cacchiotti, Myakka City Fire District  
Dan Wolfson, Manatee County Clerk's Office, Senior Director of Finance  
Diane Drakulich, Sarasota-Bradenton Airport  
Diane Percycoe, City of Anna Maria, City Clerk  
Don Hermey, Manatee County Public Safety, Emergency Management Chief  
Duane Weis, Division of Forestry  
George McKay, City of Anna Maria Public Works, Director  
George Wallace, Manatee County Financial Management, Procurement Contracts & Buyer Manager  
Greg Bacon, Manatee County Public Safety, Emergency Management Officer  
Ivan Groom, Manatee County Neighborhood Services, Community Redevelopment Area Coordinator  
J.D. Hadlock, North River Fire District  
Jaime Leigh Price, State of Florida, Emergency Management  
James Linkogle, Town of Longboat Key Public Works, Projects Manager

Janha Leinhauser, Manatee Chamber of Commerce/EDC  
Javier Vargas, City of Palmetto  
Jeff Camden, City of Bradenton, Building Official  
Jeff Hoyle, Cedar Hammock Fire Rescue  
Jim Seuffert, Manatee County Financial Management, Director  
John Cosby, City of Bradenton Beach Police  
John Ekufu, Tropicana  
Johnny Rigney, North River Fire District  
Juan Florensa, Town of Longboat Key Public Works, Director  
Judy Berisford, Manatee County Public Works, Fuel/Inventory Operations  
Division Manager  
Judy Moree, Manatee County Clerk of Circuit Court  
Karen Stewart, Manatee County Neighborhood Services  
Karen Windon, Manatee County Deputy County Administrator  
Ken Hawkins, City of Palmetto  
Kenneth R. Cluley, North River Fire District  
Lance Clayton, Bradenton Housing Authority  
Lee Whithurst, East Manatee Fire Rescue  
Leslie Adent, Southern Manatee Fire District  
Lionel Guilbert, Sarasota-Bradenton Airport  
Lisa Marie Phillips, City of Bradenton Beach  
Maggie Marr, Manatee County Parks and Natural Resources Department,  
Grants Coordinator  
Marie Munford, Manatee County Tax Collector's Office  
Mark Stucke, Sarasota-Bradenton Airport  
Melissa Wendel, Manatee County Financial Management, Purchasing Official  
Mike Keegan, Florida Division of Forestry  
Mike Pendley, School District of Manatee County  
Mike Whelan, Manatee County Parks and Natural Resources Department,  
Contract Manager  
Nancy McCarty, Manatee Glens  
Neal Mazzei, City of Palmetto, Building Official  
Neil Spiritas, Manatee Chamber of Commerce  
Nick Azzara, Manatee County Information Outreach Officer  
Patrick Mahoney, Division of Forestry, Florida Forest Services  
Paul Morrison, Florida Department of Health in Manatee County  
Paul Panik, Manatee County Parks and Natural Resources Department,  
Environmental Program Manager  
Philip Brown, United Way of Manatee County  
Ray Carter, Manatee County Attorney's Office, Risk Manager  
Rebecca Desch, City of Bradenton Fire Department  
Rob Rogers, Manatee County Housing Authority  
Robert Permane, Cedar Hammock Fire Rescue  
Sally Hull, School District of Manatee County  
Sandrina McCloud, Sarasota-Bradenton Airport  
Scott Davies, Port Manatee  
Sharon Tarman, Manatee County Public Safety, Emergency Management  
Officer  
Shay Kumm, Sarasota-Bradenton Airport  
Shirley Groover-Bryant, City of Palmetto  
Sia Millanazar, Manatee County Public Works, Deputy Director, Engineering  
Services.  
Stephen Gilbert, City of Bradenton Beach, Building Official  
Steve Simpson, Manatee County Public Safety, Emergency Management Officer  
Susan Corsi, City of Holmes Beach, Public Works/Building Assistant Clerk  
Tim Polk, City of Bradenton Planning & Community Development, Director  
Tom O'Brien, City of Holmes Beach, Building Official  
Wayne Poston, City of Bradenton Mayor  
Wayne Thorne, Town of Longboat Key, Building Official  
Wendy Chabot, City of Bradenton Beach, Planning & Code Enforcement Tech  
Willie Miranda, Manatee County Information Technology, Radio  
Communications Manager



**Relevant Goals and Objectives (83-84):**

*None*

**Relevant Actions:** *(Applies to the entire county unless otherwise stated) (No specific Action numbers)*

*None*

## Monroe County

**Year: 2015**

**Timeframe:**

- January 22, 2015: Review the update process
- March 5, 2015: Hazards description revisions
- May 27, 2015: Public meeting
- June 23, 2015: Discuss public meeting
- October 2015: LMS update draft completed

**Date of Next Planned Revision:**

- Plan will be updated every 5 years

**Responsible Planning Agency (who prepared plan):** RCQuinn Consulting, Inc

**Jurisdictions Covered:** Key West, Marathon, Key Colony Beach, Layton, and Islamorada Village of Islands

**Planning Team:**

- Monroe County, Emergency Management (Chair)
- Monroe County, Growth Management Director
- Monroe County, Senior Director Planning and Environmental Resources
- Monroe County, Senior Floodplain Coordinator
- Monroe County, Director of Engineering Services
- Monroe County, Public Works and Engineering Director
- Monroe County, Director Emergency Communications
- Monroe County Sheriff's Office, Risk Manager and Grants Administrator
- Monroe County School District
- Monroe County, Grants Administrator
- Monroe County, Risk Administrator
- Monroe County, Deputy Fire Rescue Chief
- Monroe County Extension Service
- City of Layton, City Administrator (Vice-Chair)
- City of Layton, Floodplain Administrator
- Village of Islamorada, Senior Planner
- Village of Islamorada, Fire Rescue Chief
- Village of Islamorada, Procurement/Grants Administration
- City of Key Colony Beach, Police Chief
- City of Key Colony Beach, Building Official
- City of Key West, KWFD Training Chief / Emergency Management Coordinator
- City of Key West, FEMA Coordinator/Floodplain Administrator
- City of Key West, Sustainability Coordinator
- City of Key West, Engineering Grants Manager
- City of Marathon, Marathon Fire Chief / Emergency Management Coordinator
- City of Marathon, Planning Director
- City of Marathon, Public Works Manager
- Florida Department of Health in Monroe County
- South Florida Water Management District
- The South Florida Regional Conservation and Development Council (SFRC&D)
- Monroe County, Historic Florida Keys Foundation
- Habitat for Humanity of Key West and Lower Florida Keys
- Keys Energy Services

- Florida Keys Electric Cooperative
- Florida Keys Aqueduct Authority , Director of Operations and Benefits & Risk Manager
- Mariners Hospital, Director Facilities Management
- The Nature Conservancy
- Florida Keys Outreach Coalition for the Homeless
- National Key Deer Refuge, Fire Management Specialist
- Southernmost Homeless Assistance League (SHAL)
- Florida National High Adventure Sea Base, Director
- Matecumbe Historical Trust
- Monroe Association for Remarkable Citizens
- U.S. Coast Guard Assistant District Staff Officer-Public Affairs (ADSO-PA)
- Island Christian School, Islamorada
- Habitat for Humanity, Lower Keys
- Baptist Health Hospital
- Key West Art and Historical Society
- Historical Florida Keys Foundation
- Residents of Monroe County and its municipalities

**Stakeholders:**

- Florida Division of Emergency Management (FDEM)
- Florida Keys Community College
- The Salvation Army
- Monroe County Association for Retarded Citizen's
- Monroe LMS (2015 Update) 1-4
- American Red Cross
- St. Justin The Martyr Catholic Church, Key Largo
- Big Pine Moose Lodge, Big Pine Key
- St. Mary Star of the Sea School, Key West
- Monroe County Mosquito Board
- Miami-Dade County LMS Chair
- Office of Congressional Representative Carlos Curbelo, 26th District
- Office of State Representative Holly Merrill Raschein, District #120
- Members of the public

**Relevant Goals and Objectives (128-129):**

- Goal 7: Preservation and protection of the environment, including natural and historic resources.

**Relevant Actions:** *(Applies to the entire county unless otherwise stated) (No specific Action numbers)*

*None*

## Pasco County

**Year: 2019**

**Timeframe:**

- February 26, 2015: Public Meeting
- April 9, 2015: Risk and hazard identification
- July 7, 2015: hazard vulnerability analysis, and mitigation projects
- December 17, 2015: Public meeint
- April 26, 2016: Draft review available
- May 25, 2016: Projects – mostly structural or outreach, programs list. Penny for Pasco environmental land acquisitions could be considered for projects.
- July 20, 2016: Updating the project list
- October 26, 2016: Funding meeting
- January 25, 2017: Annual update meeting
- April 19, 2017: LMS team Meeting
- July 19, 2017: LMS team Meeting
- October 19, 2017: LMS team Meeting
- January 17, 2018: LMS team Meeting
- February 21, 2018: LMS team Meeting
- April 11, 2018: LMS team Meeting
- July 18, 2018: LMS team Meeting
- December 7, 2018: LMS team Meeting
- January 23, 2019: LMS team Meeting

**Date of Next Planned Revision:**

- Plan will be updated every 5 years

**Responsible Planning Agency (who prepared plan):** Coordinated and Collated by the Pasco County Emergency Management

**Jurisdictions Covered:** unincorporated Pasco County; the five cities of Dade City, New Port Richey, Port Richey, San Antonio, and Zephyrhills; and the Town of St. Leo

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**Relevant Goals and Objectives (pg 2):**

- GOAL 2: Emphasize pre- and post-disaster planning to decrease vulnerability of existing and new construction to loss.
  - Objective 2.4 Identify post-storm redevelopment options throughout the county and where feasible, purchase land in known vulnerable areas to prevent placing people and infrastructure in harm's way
- GOAL 4: Strengthen and utilize comprehensive planning, regional and local area plans, zoning codes, development standards and incentives to protect vulnerable properties and vulnerable areas, and support development in less vulnerable areas
  - Objective 4.7: Enact development standards in wildland urban interface areas, such as setbacks, forest maintenance, access of response vehicles and construction materials.
  - Objective 4.11: Identify strategies to encourage the understanding of climate change impacts to the county.

**Relevant Actions: *(Applies to the entire county unless otherwise stated)***

- Project 74: Acquire properties adjacent to river and Celtic Dr to establish a canoe/kayak launch site with riverfront park (pg 6)
- Project 78: Purchase Mickler property located along the Gulf of Mexico to protect wildlife and enhance floodplain (pg 7)
- Project 79: Purchase Boger Coastal property because it is located in a coastal high hazard area and it will protect wildlife and floodplains. (pg 7)
- Project 80: Purchase Castriota property located in a Critical Linkage to protect wildlife and floodplains (pg 7)
- Project 188: Restore original drainage patterns in the City and Regional Area in the Dade Oaks Community to allow for a new pond system function naturally and eliminate need of stormwater pumps and flooding (pg 12)
- Project 227: Acquire a parcel of 158 acres of wetlands along the Anclote River. This will serve as a buffer north of the Anclote River as increased floodplain (pg 15)



## Pinellas County

**Year:** 2015

**Timeframe:**

*No Specific Meeting detailed provided*

- January 16, 2014: LMS group meeting
- March 6, 2014
- April 24, 2014
- May 29, 2014
- June 27, 2014
- July 31, 2014
- August 20, 2014
- September 25, 2014
- October 30, 2014
- January 15, 2015

**Date of Next Planned Revision:**

- Plan will be updated every 5 years

**Responsible Planning Agency (who prepared plan):** The LMS was coordinated and the plan prepared by Pinellas County Planning Department with support from the Tampa Bay Regional Planning Council. The LMS was developed and approved by the overall Local Mitigation Strategy Working Group (at bottom of document)

**Jurisdictions Covered:** Pinellas County, City of Belleair, Town of Belleair, City of Clearwater, City of Dunedin, City of Gulfport, City of Indian Rocks Beach, Town of Indian Shores, Keneth City, City of Largo, City of Madeira, Town of North Redington Beach, City of Oldsmar, City of Pinellas Park, Redington Beach, City of St. Petersburg,, St. Pete Beach, City of Tarpon Springs, City of Treasure Island

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LOCAL MITIGATION STRATEGY WORKING COMMITTEE ROSTER - 2014- 2015**

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### Relevant Goals and Objectives (pg 274-286):

- GOAL 2: Minimize Coastal Flooding Losses in the CHHA, Coastal Storm Area and Hurricane Vulnerability Zone.
  - Objective 2.7: Protect coastal resources through acquisition, density restrictions, and the provision of beach access, natural vegetation, and dune protection.
  - Objective 2.8: Identify structural projects where appropriate that minimize coastal flooding loss but protect environmental resources.
- GOAL 3: Minimize Riverine or Inland Flooding Losses in the 25, 50, and 100-year Flood Zone
  - Objective 3.8: Protect wetlands and watershed areas through acquisition, density restrictions, provision of recreational opportunities (where appropriate), and habitat restoration.
- GOAL 5: Minimize Wildfire Losses in the Wildland Urban Interface areas
  - Objective 5.4: Protect wildland areas through prescribed burning, acquisition, provision of recreational opportunities (where appropriate), outdoor camping/fire restrictions, and habitat restoration.

**Relevant Actions:** *(Applies to the entire county unless otherwise stated) (No specific Action numbers) (These are only the actions for the entire county, not the specific cities)*

- Action: Carry out environmental lands acquisition program, coastal management programs, and applicable land development regulations; i.e. community sea oat planning activities, and community beach clean-up efforts. (pg 279)
- Action: Continue programs that acquire environmentally-sensitive lands and flood-prone properties in conjunction with stormwater management projects. (pg 281)
- Action: Alligator Lake Habitat Restoration (845) Comprehensive ecosystem restoration project for wetland and upland creation and enhancement and stormwater polishing. (PC Parks & Conservation Resources)
- Action: Boardwalk and Restoration of Wetlands - Performing Arts Center/England Brothers Park Design work to improve drainage and natural functions of floodplain (Pinellas Park)

## Santa Rosa County

**Year: 2016**

**Timeframe:**

- March 26, 2015 Update Kick-off Meeting
- April 23, 2015 Regular Meeting
- April 28 & 30, 2015 Public Input Meetings
- June 25, 2015 Special Meeting
- August 27, 2015 Regular Meeting
- September 24, 2015 Special Meeting
- January 31, 2016: Final plan submitted
- June 9, 2016: Plan approved
- July 26, 2018: Plan revised

**Date of Next Planned Revision:**

- Plan will be updated every 5 years

**Responsible Planning Agency (who prepared plan):** Local Mitigation Strategy Task Force

**Jurisdictions Covered:** The City of Gulf Breeze, The Town of Jay, The City of Milton and Santa Rosa County, Florida

Planning Team:

Table 2.1 2016 LMS Steering Committee

Santa Rosa County LMS Steering Committee January 2016

	Organization/Department	Primary Representative	Designated Alternate(optional)
1	Santa Rosa County Special Projects/Grants Office	Sheila Fitzgerald, Director (Task Force Support Staff)	Erica Grancagnolo, Grants Manager
2	Santa Rosa County Emergency Management Plans Chief	Daniel Hahn, Co-Coordinator (Task Force support staff)	Brad Baker, Director
3	City of Gulf Breeze	Curt Carver, Assistant City Manager	Shane Carmichael
4	Resident	Lou Greene, Navarre Resident	
5	Town of Jay	Linda Carden, Town Clerk	Donna Bullock
6	City of Milton	Brian Watkins, City Manager (current Task Force Chair)	Randy Jorgenson
7	Santa Rosa County Building Permits Department	Karen Thornhill, Flood Plain Manager (Community Rating System (CRS) Coordinator)	Rhonda Royals, Building Official
8	Santa Rosa County Planning and Zoning Department	Shawn Ward, Transportation Planner	Beckie Cato, Director
9	American Red Cross	Amy Eden	Doug Watson
10	Board of County Commissioners	Rob Williamson, Commissioner District IV	
11	Santa Rosa County BOCC Administration	Tony Gomillion, County Administrator (current Vice-Chair)	Vacant
12	Holley-by-the-Sea Homeowner's Association	Yvonne Harper, President	Rod Danner, Vice-President

Stakeholders:

No specific stakeholders mentioned

**Relevant Goals and Objectives (pg 360):**

- Goal 3: improve the quality of life in Santa Rosa County by maintaining, enhancing, and restoring the natural environment's capacity to deal with the impacts of flooding.
  - Objective 3.1 Protect by regulation, acquisition and/or restoration, existing
  - natural areas, particularly in the floodplain.
  - Objective 3.2 Ensure preservation of open space.
  - Objective 3.3 Minimize destructive erosion.

**Relevant Actions: (*Applies to the entire county unless otherwise stated*)**

- Action 24: Maintain and enforce designation of Coastal Barrier Resources Act (CBRA) property. (pg 376)
  
- Action 30. Consider acquisition of natural areas for parks or open space. (pg 379)
  
- Action 40: Consider expansion of the County's properties that are designated natural and beneficial areas. (pg 383)
  
- Action 41: Encourage designation, protection and maintenance of wetlands as identified in the Comprehensive Plan and Land Development Code. (pg 383)

Sarasota County

Year: 2016

Timeframe:

Table 17 LMS Work Group Schedule

DATE	ATTENDEE	AGENDA ITEM
December 2010	Work Group	Review Projects & Action Items Review 27-P annual requirements
March 2011	Work Group	Review Jurisdiction Planning Mechanisms
June 2011	Work Group	Review Public Outreach Strategy
September 2011	Work Group	Review Risk Assessment
December 2011	Work Group	Review Projects & Action Items Review 27-P annual requirements
March 2012	Work Group	Review Jurisdiction Planning Mechanisms
June 2012	Work Group	Review Public Outreach Strategy
September 2012	Work Group	Review Risk Assessment
December 2012	Work Group	Review Projects & Action Items Review 27-P annual requirements
March 2013	Work Group	Review Jurisdiction Planning Mechanisms
June 2013	Work Group	Review Public Outreach Strategy
September 2013	Work Group	Review Risk Assessment
December 2013	Work Group	Review Projects & Action Items Review 27-P annual requirements Establish Planning Committee for Plan Update
January 2014	Planning Committee	Review Previous Planning Process
February 2014	Planning Committee	Draft Update Planning Process
March 2014	Work Group	Review Jurisdiction Planning Mechanisms
March 2014	Planning Committee	Review Identification of Hazards
April 2014	Planning Committee	Review Profile Hazards
May 2014	Planning Committee	Review Profile Hazards
June 2014	Work Group	Review Public Outreach Strategy
June 2014	Planning Committee	Review Profile Hazards
July 2014	Planning Committee	Review Vulnerability Assessment
August 2014	Planning Committee	Review Vulnerability Assessment
September 2014	Work Group	Review Risk Assessment
September 2014	Planning Committee	Review Repetitive Loss Program
October 2014	Planning Committee	Review Structures/Economic Loss
November 2014	Planning Committee	Review Development Trends
December 2014	Work Group	Review Projects & Action Items Review 27-P annual requirements
December 2014	Planning Committee	Review Goals and Objectives
January 2015	Planning Committee	Review Mitigation Actions
February 2015	Planning Committee	Review National Flood Insurance Program
March 2015	Work Group	Review Jurisdiction Planning Mechanisms
March 2015	Planning Committee	Review Plan Maintenance Process
April 2015	Planning Committee	Complete Draft for Review by Work Group
May 2015	Planning Committee	Review Draft Changes and Amendments
June 2015	Work Group	Review Public Outreach Strategy
June 2015	Planning Committee	Submit Draft Plan for Review
September 2015	Work Group	Review Risk Assessment
September 2015	Jurisdictions	Board Resolutions

Date of Next Planned Revision:

- Plan will be updated every 5 years

Responsible Planning Agency (who prepared plan): No specific planning agency mentioned

Jurisdictions Covered: City of North Port, City of Sarasota, City of Venice, Sarasota County, Sarasota County Schools, Sarasota Memorial Hospital, Town of Longboat Key



**Planning Team:**

Jurisdiction	LMSWG Member	Title
Sarasota County	Ed McCrane, Chairman	EM Chief
City of North Port	Richard Berman, Vice-chairman	EM Coordinator
Sarasota County	Molly Williams	Stormwater General Manager
City of Sarasota	Gerald Chapin	CRS Coordinator
City of Sarasota	Richard Kerkering	EM Coordinator
City of North Port	Elizabeth Wong	Storm Water Manager
Sarasota Memorial Hospital	James Bugyis	Public Liaison
Sarasota Memorial Hospital	Debbie Duff	EM Coordinator
City of Venice	Kathleen Weeden	City Engineer
City of Venice	Gillian Carney	Stormwater Engineering Research Analyst
University of South Florida	Richard Lyttle	Facilities Director
Ringling Museum	Cherie Knduson	Security Director
Sarasota County Sheriff's Office	Karen Silano	Grant Coordinator
Sarasota County School Board	Darrell Reyka	Director, Safety and Security
Town of Longboat Key	James Linkogle	Public Works Director
Sarasota County	Desiree Companion	CRS Coordinator

**Relevant Goals and Objectives:**

- Goal 2: Identify, prioritize, and achieve cost-effective mitigation projects for the prevention and protection of lives, property, and natural resources within Sarasota County.
  - Objective 1: Identify projects to mitigate losses and meet the strategies of mitigation “Best Practices” for: Acquisition of hazard prone property and conversion to open space. Retrofitting existing buildings and facilities. Elevation of flood prone structures. Vegetative management and soil stabilization. Infrastructure protection measures. Storm Water management. Minor structural flood control projects. Post-disaster code enforcement activities.

**Relevant Actions:**

*None*

## Taylor County

**Year:** 2015

**Timeframe:**

- May 5, 2011: Kick off meeting
- August 9, 2011: Funding sources meeting
- November 17, 2011: Progress on ongoing projects meeting
- April 18, 2012: LMS working group meeting
- August 21, 2012: Hiring contractors
- November 29, 2012: Meeting to discuss grants
- August 22, 2013: Meeting to determine to best use of hazard mitigation funds
- June 16, 2014: Public and stakeholders meeting
- December 19, 2014: Review of existing projects and changes

**Date of Next Planned Revision:**

- Plan will be updated every 5 years

**Responsible Planning Agency (who prepared plan):** No specific agency mentioned. Prepared by the Taylor County Department of Emergency Management.

**Jurisdictions Covered:** City of Perry, Taylor County

**Planning Team:**

Steve Spradley, Chair	Taylor County Emergency Management Director
Dustin Hinkel	Taylor County Administrator
Margaret Dunn	Deputy County Administrator
Carrie Williams	Taylor County Animal Control Coordinator
Danny Griner	Taylor County Building Director
Jami Boothby	Taylor County CRS Coordinator
Kristy Anderson	Taylor County Emergency Management Coordinatc
Kenneth Dudley	Taylor County Engineer
Andy McLeod	Taylor County Public Works Director
Chris Folsom	Taylor County Sheriff's Office 911 Coordinator
Dan Anderson	Taylor County School Board Safety Director
Barney Johnson	City of Perry, Public Works Director
Bob Brown	City of Perry, City Manager
Jack Smith	Florida Division of Forestry, Chief Ranger
Leroy Marshal	Suwanee River Water Management District
Glenda Hamby	United Way, Local Director
Gary Wambolt	Taylor County, Environmental Services Director
Stephen Caruso	City of Perry, Wastewater Superintendent
Ed Ward	Florida Department of Transportation
Brian Bradshaw	FDEM Region 2 Coordinator

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Stakeholders:

Some stakeholders that were key participants in the LMS development included: City of Perry, Taylor County School Board, Big Bend Water Authority, Florida Division of Forestry, Florida Division of Emergency Management, Neighboring County Emergency Management

**Relevant Goals and Objectives (pg 40-42):**

- Goal 4: Protect the County's cultural, economic and natural resources.
  - Objective 4.1: Support mitigation initiatives that are compatible with the protection of the county's cultural, economic and natural resources.
  - Objective 4.2: Promote land acquisition programs that support mitigation opportunities compatible with the protection of natural and cultural resources
  - Objective 4.3: Encourage the development of drainage improvement systems based on their compatibility with the natural environmental system functions

**Relevant Actions:**

*None*

## Wakulla County

**Year:** 2016

**Timeframe:**

- February 17, 2015: Public LMS Committee meeting (review of 2010 projects)
- March 17, 2015: LMS goals and objectives
- June 2, 2015: Discussion of draft plan
- *A more detailed timeline can be found on pg 11*

**Date of Next Planned Revision:**

- Plan will be updated every 5 years

**Responsible Planning Agency (who prepared plan):** DSIdeas Group, LLC

**Jurisdictions Covered:** City of Sopchoppy, City of St. Marks, Wakulla County

Planning Team:

Scott Nelson Director, Wakulla County Emergency Management  
Melissa Corbett Planning Coordinator, WC Planning and Community Development  
Sheree Keeler Director, Wakulla County Special Projects  
James Melvin Director, Wakulla County Building Department  
Cleve Fleming Supervisor, Wakulla County Public Works  
Mike Morgan Wakulla County Fire/Rescue Chief  
Jackie Lawhon Clerk, City of Sopchoppy  
Zoe Mansfield Mayor, City of St. Marks  
Paul Johnson Citizen  
David Harrison Citizen  
John Swindel Citizen, HAM Operator  
Todd Schroeder Forest Mitigation Officer, Florida Fire Service  
Laura Westbrook Florida Department of Health in Wakulla/Taylor County

Stakeholders:

No specific stakeholders mentioned

**Relevant Goals and Objectives (pg 75-78):**

- Goal 5: Preserve and enhance long-term viability of ecosystems
  - Objective a. Improve water quality
  - Objective b. Improve wildlife habitat
  - Objective c. Support land conservation, acquisition, and protection
- Goal 6: Protect and manage scenic, historical, natural, and recreational resources efficiently

**Relevant Actions:** *(Applies to the entire county unless otherwise stated)*

- Project 2: Crawfordville Area stormwater study & mitigation (ph. 2) Acquisition of land & project implementation to address Crawfordville Area storm water issues
- Project 3: Drainage in Panacea Areas west of 98 in Panacea are prone to freshwater flooding. Cross drains and/or storage areas need to be identified and implemented to mitigate the impacts of flooding. Solution must not make the areas more vulnerable to storm surge. Study, acquisition of land, & implementation of storm water detention projects
- Project 5: Wakulla Gardens subdivision storm water mitigation Study, acquisition of land, & implementation of storm water detention projects
- Project 9: Magnolia Gardens & Griner's Addition subdivision storm water mitigation Study, acquisition of land, & implementation of storm water detention projects
- Project 11: Drainage along Surf Road Areas along Surf Road are prone to flooding. Cross drains and/or storage areas need to be identified and implemented to mitigate flooding. Solution must not make the areas more vulnerable to storm surge. Study, acquisition of land, & implementation of storm water detention projects/ cross drains
- Project 18: Sopchoppy stormwater mitigation Study, acquisition of land, & construction of detention ponds for storm water retention
- Project 26: Acquisition of severe repetitive loss properties for open space Acquisition of properties & demolition of structures on SRL list for permanent open space

## Walton County

**Year:** 2015

**Timeframe:**

- May 15, 2013: Kick off workshop
- May 29, 2013, Public meeting
- June 12, 2013, Public meeting
- June 26, 2013, Public meeting
- January 22, 2015: Plan submitted

**Date of Next Planned Revision:**

- Plan will be updated every 5 years

**Responsible Planning Agency (who prepared plan):** No specific agency mentioned but states that the plan was prepared by Renee Bradley, Senior Planner, Walton County Planning and Development Services Division

**Jurisdictions Covered:** Defuniak Springs, Freeport, City of Paxton

Planning Team:

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### Stakeholders:

Governing Body of Local Government • Walton County Board of Commissioners • DeFuniak Springs City Council • Town of Paxton City Council • City of DeFuniak Springs City Council Municipalities within the County • City of DeFuniak Springs Town of Paxton • City of Freeport Walton County School Board

County and Municipal Agencies • Walton County Sheriff's Office - Provide security and assist in evacuations as well as search and rescue. • City of DeFuniak Springs Police Department - Provide security and assist in evacuations as well as search and rescue. • Walton County Health Department - Provide immunization and regulate septic systems. • Walton County Public Works & Road Depart - Assist in the mitigation of roads and bridges. • Walton County Mosquito Control - Provide mosquito control for the County • Walton County Agricultural Extension Office - Provide assistance in mitigation projects. • Walton County Emergency Management - Administer the County's emergency program. • County Traffic Safety Team - Plan



transportation improvements. • Walton County Fire Board, stations, and EMS - Assist in evacuation and food distribution. • Walton County Economic Development Alliance - Provide data relating to economic loss due to local disaster.

Regional Agencies • West Florida Regional Planning Council - Provide technical assistance for local governments in administering mitigation programs. • Northwest Florida Water Management District - Monitor river readings and provide assistance to local governments in flood control. • Metropolitan Planning Organization - Plan transportation improvements to provide adequate evacuation routes.

Florida State Agencies • Department of Equal Opportunity (DEO) - Provide technical and financial assistance and training to local governments. Review local comprehensive plans for compliance with state regulations. Manage the Emergency Management Preparedness and Assistance Trust Fund. • Department of Transportation - Maintain and repair roads and bridges. • Department of Environmental Protection - Regulate development activities in wetlands and waters of the state. • Natural Resources and Conservation Service - Provide assistance in soil conservation and mitigation projects on County and state roads and bridges. Department of Law Enforcement - Provide security assistance to local governments. • Department of Forestry - Provide assistance in silviculture. • Florida Highway Patrol - Provide security assistance to local government • Game & Fresh Water Fish Commission - Provide assistance to local governments with security. • Army National Guard - Provide assistance in security and food distribution. • Department of Financial Services - Provide and regulate insurance for disaster situations.

Federal Agencies • Federal Emergency Management Agency - Provide disaster recovery and flood plain protection. • U.S. Army Corps of Engineers - Regulate development associated with navigable waterways, wetlands and floodplains. • U.S. Department of Agriculture - Regulate stormwater drainage in agricultural and silvicultural areas through best management practices. • U.S. Department of Housing & Urban Development - Finances postdisaster assistance efforts with the CDBG programs. • Small Business Administration - Provide lost interest loan for post-disaster recovery efforts.

• Utility Companies • Choctawhatchee Electric Cooperative • Gulf Power Company • Regional Utilities Corporation • South Walton Utilities • City of Freeport Utilities • City of DeFuniak Springs Utilities • Town of Paxton Utilities • Mossy Head Water Works • Argyle Water • Inlet Beach Water System • Okaloosa Gas Company • Sprint • Time Warner • New South Communications • Mediacom • GT Communications • Universal Com Incorporated

### **Relevant Goals and Objectives (pg 162):**

- Goal 3: Protect the environment and natural resources of the areas by controlling development activities that would damage or destroy watersheds, wetlands, coastal resources, and other natural areas which serve as natural buffers and prevent extensive infrastructure damage

**Relevant Actions:** *(Applies to the entire county unless otherwise stated)* (no specific action numbers)

- Action: Promote the natural functions of wetlands and require that an impact on wetlands due to development be appropriately addressed or mitigated in kind. (pg 164)