

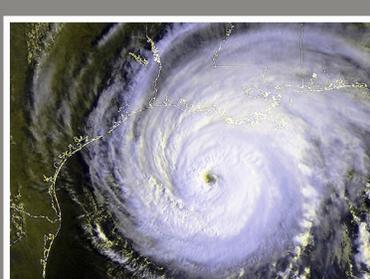
# St. Martin Parish Hazard Mitigation Plan Update 2014



Prepared for



November 2014 Draft



# ST. MARTIN PARISH, LOUISIANA HAZARD MITIGATION PLAN

*Project No. DR4080-0005-099*

*November 2014*



## **Council Members**

*Carroll Delahoussaye, District 1*

*Lisa Nelson, District 2, Chairwoman*

*Jason Willis, District 3, Temporary Presiding Officer*

*Neil Thibodeaux, District 4*

*Clay Courville, District 5*

*Jill Hebert, District 6*

*Craig Gregory, District 7, Vice Chairman*

*Meko Robin, District 8*

*Dean Dore' District 9*

*Submitted to:*

St. Martin Parish

Guy Cormier, Parish President

301 W. Port Street

St. Martinville, Louisiana 70582

337.394.2200

*Submitted by:*

CB&I

4171 Essen Lane

Baton Rouge, LA 70809

225.932.2500



# Table of Contents

1.0	PREREQUISITES—COPY OF FORMAL PLAN ADOPTION.....	7
1.1	§201.6 (c)(5) Documentation that the plan has been formally adopted by the governing body of the jurisdiction requesting approval of the plan (e.g., City Council, County Commissioner, Tribal Council). For multi-jurisdiction requesting approval of the plan must document that it has been formally adopted. ....	7
2.0	INTRODUCTION AND PARISH BACKGROUND.....	8
2.1	Geographic Setting .....	8
2.2	Land Use .....	10
2.3	Socioeconomic Factors.....	13
3.0	§201.6 (b) THE PLANNING PROCESS .....	14
3.1	§201.6 (b)(1) An opportunity for the public to comment on the plan during the drafting stage and prior to plan approval.....	14
3.2	§201.6 (b)(2) An opportunity for neighboring communities, local and regional agencies involved in hazard mitigation activities, and agencies that have the authority to regulate development, as well as business, academia and other private non-profit interests to be involved in the planning process.....	14
3.3	§201.6 (b)(3) Review and incorporation if appropriate, of existing plans, studies, reports, and technical information .....	15
4.0	§201.6 (c) PLAN CONTENT.....	16
4.1	§201.6 (c)(1) Documentation of the planning process used to develop the plan including (a) how it was prepared, (b) who was involved in the process, and (c) how the public was involved.....	16
4.1.1	How it was prepared.....	16
4.1.2	Who was involved in the process... ..	16
4.1.3	How the public was involved.....	17
4.2	§201.6 (c)(2) A risk assessment that provides factual basis for activities proposed in the strategy to reduce losses from identified hazards. Local risk assessments must provide sufficient information to enable the jurisdiction to identify and prioritize appropriate mitigation actions to reduce losses from identified hazards. ....	18
4.2.1	§201.6 (c)(2)(i) A description of the type, location, and extent of all natural hazards that can affect the jurisdiction. The plan shall include information on previous occurrences of hazard events and on the probability of future hazards events. ....	18
4.2.2	§201.6 (c)(2)(ii) A description of the jurisdiction's vulnerability to the hazards described in paragraph (c)(2)(i) of this section. This description shall include an overall summary of each hazard and its impact on the community. ....	24
4.2.3	Risk Assessments.....	40
4.2.4	§201.6 (c)(2)(ii)(A) The plan should describe vulnerability in terms of the types and numbers of existing and future buildings, infrastructure, and critical facilities locates on the identified hazard areas.....	42
4.2.5	§201.6 (c)(2)(ii)(B) An estimate of the potential dollar losses to vulnerable structures identified in paragraph (c)(2)(i)(a) of this section and a description of the methodology used to prepare the estimate.....	45

4.2.6	§201.6 (c)(2)(ii)(C) Providing a general description of land uses and development trends within the community so that mitigation options can be considered in future land use decisions .....	46
4.2.7	§201.6 (c)(2)(iii) For multi-jurisdictional plans, the risk assessment section must assess each jurisdiction's risks where they vary from the risks facing the entire planning area .....	47
5.0	§201.6 (c)(3) HAZARD MITIGATION STRATEGIES.....	51
5.1	§201.6 (c)(3)(i) A description of mitigation goals to reduce or avoid long-term vulnerabilities to the identified hazards. ....	51
5.2	§201.6 (c)(3)(ii) The mitigation strategy shall include a section that identifies and analyzes a comprehensive range of specific mitigation actions and projects being considered to reduce the effects of each hazard, with particular emphasis on new and existing buildings and infrastructure.....	52
5.3	§201.6 (c)(3)(iii) ...shall include an action plan describing how the actions identified in section (c)(3)(ii) will be prioritized, implemented, and administered by the local jurisdiction. Prioritization shall include a special emphasis on the extent to which benefits are maximized according to a cost benefit review of the proposed projects and their associated costs.....	62
6.0	§201.6 (c)(4) PLAN MAINTENANCE PROCEDURES .....	63
6.1	§201.6 (c)(4)(i) A section describing the method and schedule of monitoring, evaluating, and updating the mitigation plan within a five-year cycle. ....	63
6.2	§201.6 (c)(4)(ii) A process by which local governments incorporate the requirements of the mitigation plan into other planning mechanisms such as comprehensive or capital improvement plans, when appropriate.....	64
6.3	§201.6 (c)(4)(iii) Discussion on how the community will continue public participation in the plan maintenance process .....	64

## LIST OF ATTACHMENTS

### §201.6 (c) PLAN CONTENT

Page No.

#### **§201.6 (c)(1)—Documentation**

c1-1	St. Martin Parish Hazard Mitigation Plan Committee List.....	1
c1-2	HMP Committee Attendance Summary .....	2
c1-3.1A	Meeting 1—Advertisement.....	4
c1-3.1B	Meeting 1—Sign-In Sheets .....	5
c1-3.1C	Meeting 1—Summary Meeting Notes .....	7
c1-3.1D	Meeting 1—PowerPoint Presentation Slides.....	11
c1-3.2A	Meeting 2—Advertisement.....	21
c1-3.2B	Meeting 2—Sign-in Sheets .....	22
c1-3.2C	Meeting 2—Summary Meeting Notes .....	24
c1-3.2D	Meeting 2—PowerPoint Presentation Slides.....	29
c1-3.3A	Meeting 3—Sign-in Sheets .....	39
c1-3.3B	Meeting 3—Summary Meeting Notes .....	41
c1-3.4A	Meeting 4—Advertisement.....	43
c1-3.4B	Meeting 4—Sign-in Sheets .....	44
c1-3.4C	Meeting 4—Summary Meeting Notes .....	46
c1-3.4D	Meeting 4—PowerPoint Presentation Slides.....	47

#### **§201.6 (c)(2)—Risk Assessment**

c2-1	Base Map.....	55
c2-2	Waterways Map .....	56
c2-3	Levees and Pump Stations Map .....	57
c2-4	FEMA Flood Zone Map.....	58
c2-5	Land Use Map.....	59
c2-6	Critical Facilities—Sewer Treatment .....	60
c2-7	Critical Facilities—Schools.....	61
c2-8	Critical Facilities—Fire Stations .....	62
c2-9	Critical Facilities—Police Stations.....	63
c2-10	Critical Facilities—Medical Facilities .....	64
c2-11	Critical Facilities—Power Plants .....	65
c2-12	Critical Facilities—Potable Water .....	66
c2-13	LIDAR Elevations Map.....	67
c2-14	Flood of 1997 Inundation Map .....	68
c2-15	Tropical Storm Allison Inundation Map.....	69
c2-16	Hurricane Lili Inundation Map .....	70
c2-17	Flood of 2004 Inundation .....	71
c2-18	2012 IRC Wind Speeds Map.....	72
c2-19	Repetitive Loss Structures .....	73
c2-20	Composite Risk Areas.....	74
c2-20.1	Composite Risk Areas—Arnaudville .....	75
c2-20.2	Composite Risk Areas—Henderson .....	76

c2-20.3	Composite Risk Areas—Breux Bridge .....	77
c2-20.4	Composite Risk Areas—Parks .....	78
c2-20.5	Composite Risk Areas—Broussard.....	79
c2-20.6	Composite Risk Areas—St. Martinville.....	80
c2-20.7	Composite Risk Areas—Stephensville.....	81
c2-21	Levee Failure Inundation.....	82
c2-21.1	Levee Failure Inundation—Arnaudville .....	83
c2-21.2	Levee Failure Inundation—Henderson.....	84
c2-21.3	Levee Failure Inundation—Breux Bridge .....	85
c2-21.4	Levee Failure Inundation—Parks .....	86
c2-21.5	Levee Failure Inundation—Broussard.....	87
c2-21.6	Levee Failure Inundation—St. Martinville.....	88
c2-21.7	Levee Failure Inundation—Stephensville.....	89
c2-22	Worksheet #3A—Parishwide .....	90
c2-22.1	Worksheet #3A—Arnaudville .....	91
c2-22.2	Worksheet #3A—Henderson .....	92
c2-22.3	Worksheet #3A—Breux Bridge .....	93
c2-22.4	Worksheet #3A—Parks.....	94
c2-22.5	Worksheet #3A—Broussard.....	95
c2-22.6	Worksheet #3A—St. Martinville .....	96
c2-22.7	Worksheet #3A—Unincorporated .....	97
c2-23	List of Critical Facilities.....	98
c2-24	Identification of Critical Facilities in the Hazard Areas.....	101
c2-25	Worksheet #4—Estimated Losses (Composite Risk Areas) .....	103
c2-26	Worksheet #4—Estimated Losses (Levee Failure) .....	105
c3-1	St. Martin Parish List of Projects .....	107
c3-2	St Martin Parish Element F—State Requirement.....	110
c3-2.1	St Martinville Element F—State Requirement.....	116
c3-2.2	City of Parks Element F—State Requirement .....	121
c3-2.3	Henderson Element F—State Requirement.....	126
c3-2.4	Broussard Element F—State Requirement .....	131
c3-2.5	Arnaudville Element F—State Requirement.....	136
c3-2.6	Breux Bridge Element F—State Requirement.....	141

## FOREWORD

### St. Martin Parish, Louisiana 2015 Hazard Mitigation Plan Update

This plan continues the process of updating the St. Martin Parish Hazard Mitigation Plan (HMP) to address the following: 1) reflect existing conditions with the natural, human, and built environments; 2) formalize revisions to risk assessments and mitigation strategies the lessons learned from hazard events that have occurred during the 2010 plan update; and 3) to make the parish more resilient to future hazards.

The planning pilot grant program was approved in 2007 to assist Louisiana parishes in completing Hazard Mitigation Plan Updates (HMPU) and Amendments. St. Martin's original Hazard Mitigation Plan was approved in 2006 and the most recent update was adopted in 2010.

At the commencement of the 2015 HMPU process, the HMPU Committee identified four sections of the 2010 St. Martin Parish Hazard Mitigation Plan that required updates. These targeted sections include the Planning Process, Risk Assessment, Mitigation Strategies, and Plan Maintenance.

The planning process update also includes the incorporation of new or updated plans and project lists. The Risk Assessment section includes updates to a table of National Oceanic and Atmospheric Administration (NOAA) recorded events and a new multi-jurisdictional risk assessment. Applicable attachments were added or updated. The goals to reduce or avoid long-term vulnerabilities to identified hazards were retained within Mitigation Strategies; however, the objectives and action items used to achieve the goals were updated.

The Plan Maintenance section was also updated to include procedures and issues to be addressed annually by a subcommittee of the HMPU committee. Public notifications of future meetings are also described in this section. The next plan update will occur within five years from the date that this HMPU is approved, as per FEMA regulations.

## 1.0 PREREQUISITES—COPY OF FORMAL PLAN ADOPTION

---

- 1.1 *§201.6 (c)(5) Documentation that the plan has been formally adopted by the governing body of the jurisdiction requesting approval of the plan (e.g., City Council, County Commissioner, Tribal Council). For multi-jurisdiction requesting approval of the plan must document that it has been formally adopted.*

Documentation that the plan has been formally approved by the governing authority of St. Martin Parish is presented on the following pages. Resolutions of the parish governing authority and each separate municipality adopting the plan are included on the following pages in conformance with the plan requirements.

**St. Martin Parish  
Resolution**

## 2.0 INTRODUCTION AND PARISH BACKGROUND

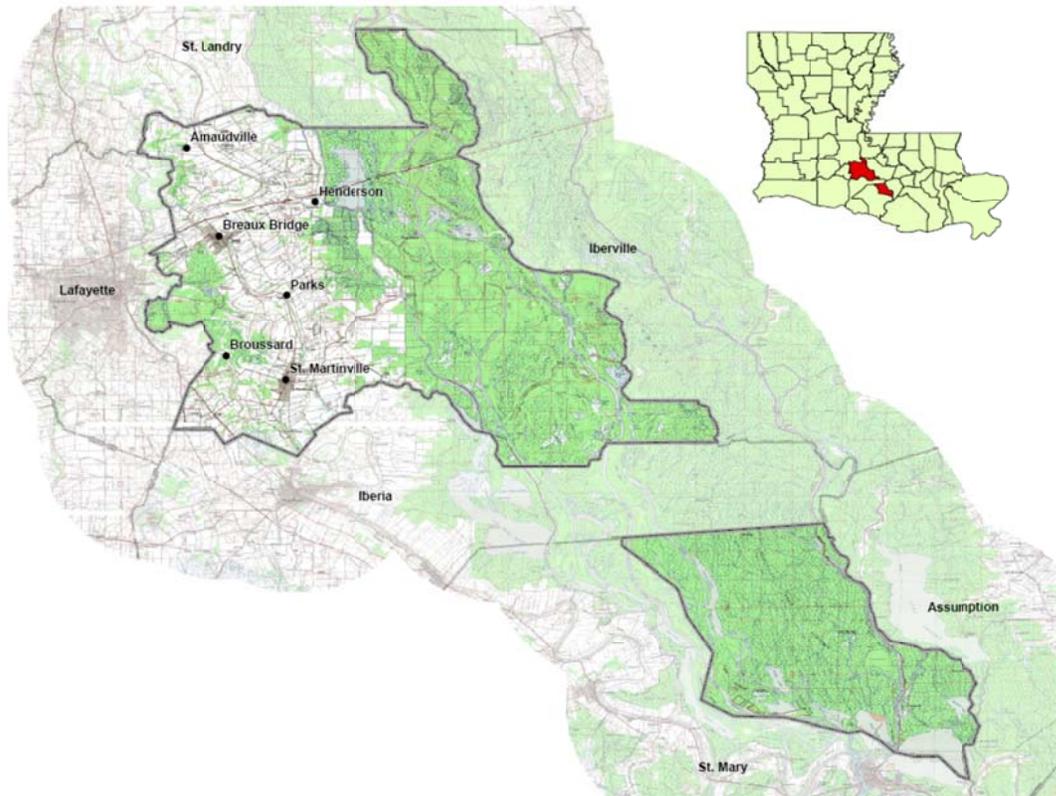
---

The information presented in this section provides a synopsis of St. Martin Parish, Louisiana, including descriptions of its geographic location, land use characteristics, geologic features, and socioeconomic composition. With this context, data provided in subsequent sections may be more easily evaluated.

### 2.1 Geographic Setting

St. Martin Parish, Louisiana, is situated along the south central portion of the state and is the only parish in the state that is divided into two parts which are separated by a land mass (Iberia Parish). Much of the discussion throughout this hazard mitigation plan update (HMPU) will be segregated into upper and lower St. Martin Parish.

Upper St. Martin Parish is bordered by Lafayette Parish to the west, St. Landry Parish to the north, Iberville Parish to the east, and Iberia Parish on the south. Lower St. Martin is bordered by Iberia Parish to the north and west, Assumption Parish on the east, and St. Mary Parish on the south. The parish contains six incorporated communities including St. Martinville (parish seat), Breaux Bridge, Henderson, Arnaudville (portion of), Parks, and Broussard (portion of). Total land area within the parish is 740 square miles of which greater than 50% is water and wetlands. The map below shows the parish relative to its proximity to other parishes and its regional location in the state.



The parish is buffered somewhat from tropical storms and hurricanes by St. Mary and Iberia Parishes. However, numerous waterways in the area are cause for concern related to flooding, the most notable of which is the Atchafalaya River that traverses the upper portion of the parish from north to south. Levees are located in both upper and lower St. Martin Parish and are associated with the Atchafalaya River Basin. The following is a discussion of levees and drainage basins located in the parish.

Upper St. Martin Parish - Part of two major river drainage basins. The area from the eastern parish line to the West Atchafalaya Basin Levee is part of the Atchafalaya drainage basin. From the West Atchafalaya Basin Levee to just west of Bayou Teche, the region is part of the Vermilion-Teche Drainage system. There are two levees located in upper St. Martin Parish.

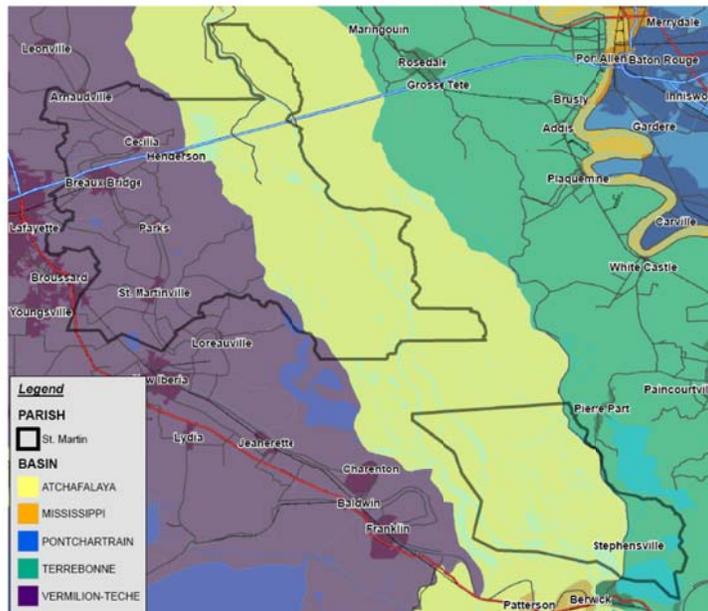
- The west Atchafalaya Basin levee bisects the upper portion of the parish from north to south.
- The west guide levee is located on the west bank of the Atchafalaya River. It enters the northeast portion of the parish near the Atchafalaya River and terminates within the parish southeast of Henderson.

Lower St. Martin Parish - Part of the Atchafalaya River system (western and central portion of the parish) and is part of the St. Martin Basin system (lower eastern portion).

The large majority of the lower portion of the parish is located inside of the Atchafalaya River Basin levee system. There is one levee alignment located in the east and southeast portions of lower St. Martin Parish, the east Atchafalaya Basin levee.

The layouts of the referenced drainage basins are illustrated in the image below. Locations of levees and pump stations in the parish are presented in the risk assessment section of this HMPU (Section IV).

St. Martin Parish Drainage Basins



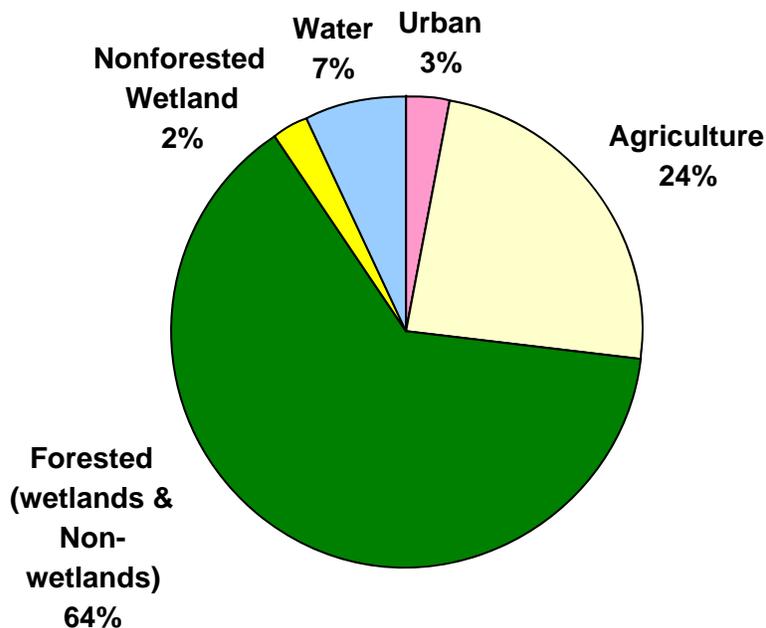
## 2.2 Land Use

As a snapshot of the community, the following land use/land cover table and associated chart are provided. Based upon Environmental Protection Agency data, only 27% of the parish is urbanized and/or under cultivation. The remaining 73% of the 473,598 acre parish is forested, wetlands, or water.

Table 2-1: St. Martin Parish Existing Land Use/Land Cover

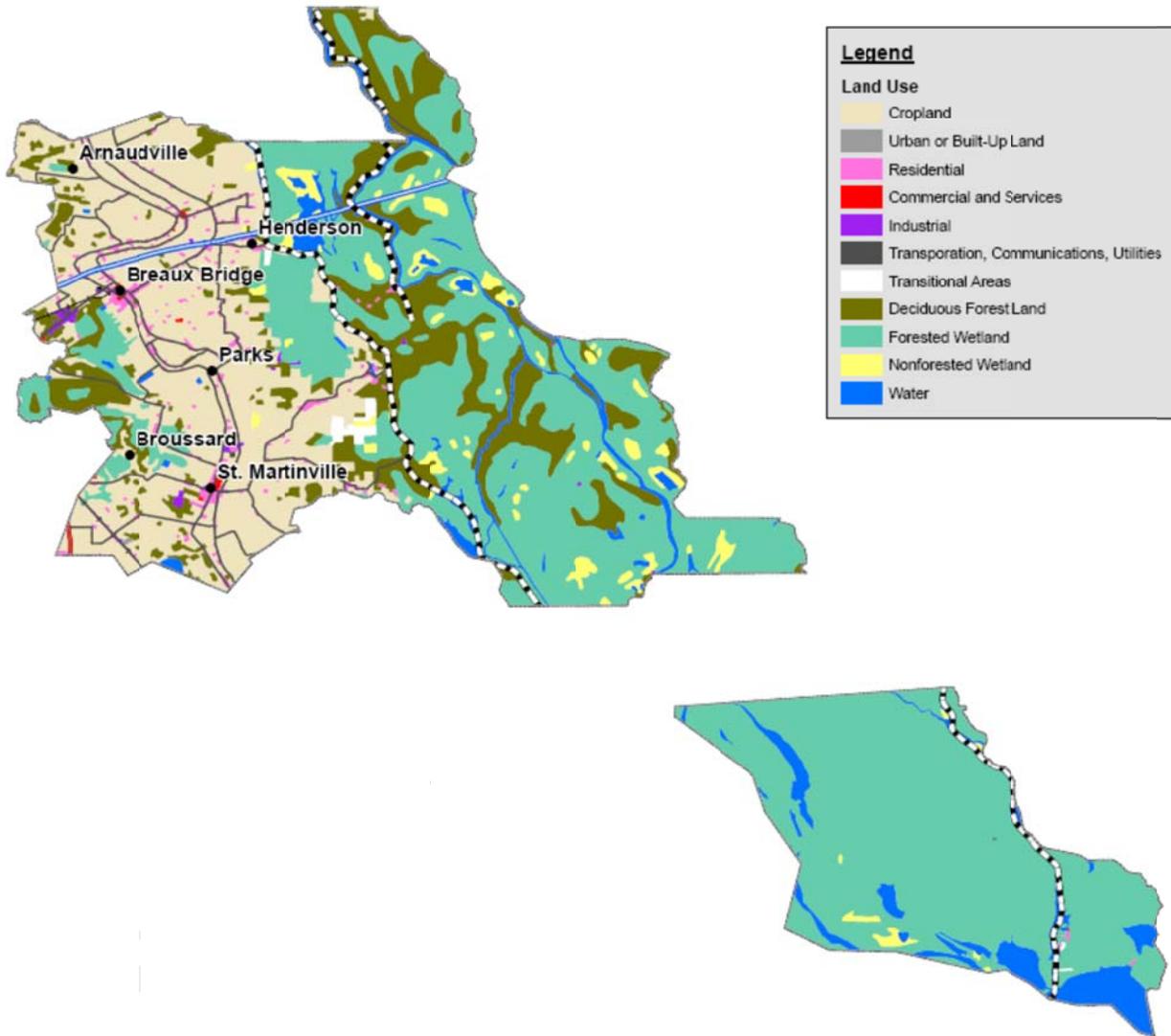
Table 2-1: St. Martin Parish Existing Land Use/Land Cover

DESCRIPTION	ACRES	%
<b>Urban</b>	<b>13,923</b>	<b>3%</b>
Residential	10,514	2%
Commercial and Services	521	<1%
Industrial	1,373	<1%
Transportation, communications, and utilities	1,326	<1%
Other urban or built-up land	189	<1%
<b>Agriculture (cropland &amp; pasture)</b>	<b>113,948</b>	<b>24%</b>
<b>Forested (wetlands &amp; Non-wetlands)</b>	<b>301,209</b>	<b>64%</b>
Deciduous forest land	67,251	14%
Forested wetlands	233,958	49%
<b>Nonforested Wetland</b>	<b>11,366</b>	<b>2%</b>
<b>Water</b>	<b>33,152</b>	<b>7%</b>
Streams and canals	10,893	2%
Lakes, reservoirs, bays, estuaries	22,259	5%
<b>Total</b>	<b>473,598</b>	<b>100%</b>



The geographic distribution of land use/land cover is illustrated on the following parish map. The 27% of the parish that is urbanized (pink) or under cultivation (tan) is concentrated in the western portion of upper St. Martin Parish in the vicinity of the Bayou Teche Ridge.

St. Martin Parish Land Use

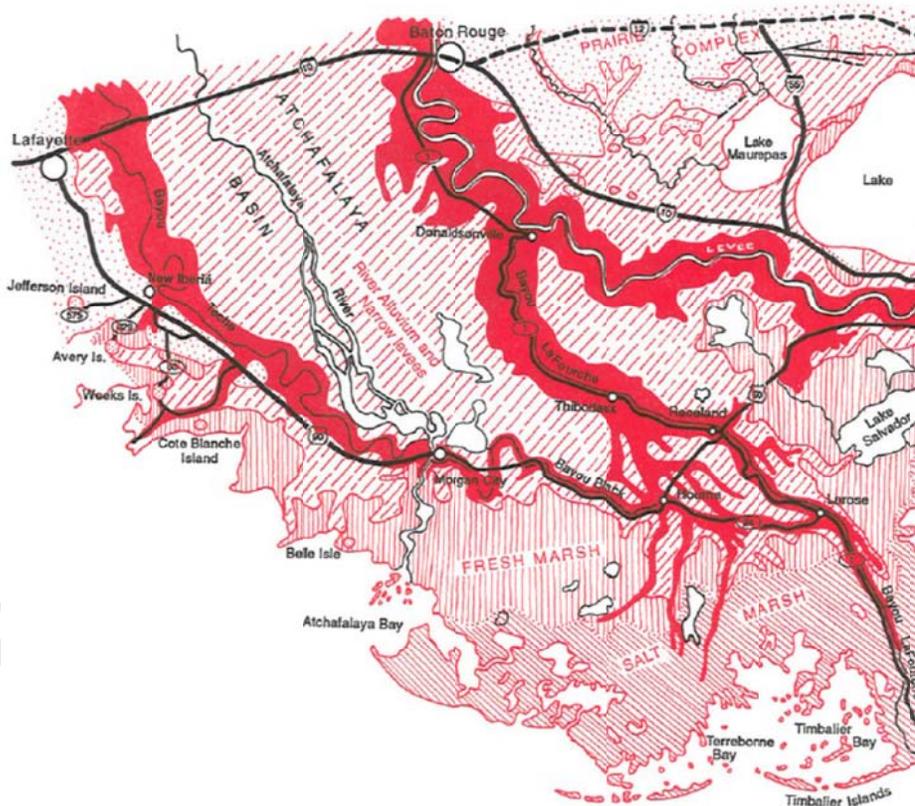


Three topographic features dominate the parish landscape: the Atchafalaya Basin in the eastern portion of the parish, the Bayou Teche ridge in the western upper portion of the parish, and the prairie uplands in the western portion of the parish. The Atchafalaya Basin is the largest swamp in the United States (U.S.). It is a floodway controlled by the U.S. Army Corps of Engineers designed to handle approximately one-third of the flow of the Mississippi River. The Teche ridge, the highest area of the parish formed as the result

of annual flooding cycles of the bayou when, centuries ago, the Mississippi River flowed through the Bayou Teche riverbed and formed a natural corridor through the parish. The prairie uplands were formed by meandering streams on river floodplains and deltas prior to the Teche ridge system.

Bayou Teche which traverses upper St. Martin Parish from northwest to southeast, and to some extent the prairie uplands in the northwest, are the areas upon which the majority of the St. Martin Parish population resides. Because of the formation of this ridge through alluvial processes, the average elevation of the parish is 19 feet with the ridge clearly defining the “high-ground” of the parish. The depiction of this ridge line forms an image that is repeated in this report as almost all land area other than the ridge area is susceptible to some form of flooding, whether storm water, river flooding, or backwater flooding. The graphic below depicts the ridge that forms the bulk of non-flooding urban and agricultural land in the parish (left side of image between Lafayette/New Iberia and the Atchafalaya River).

Bayou Teche Ridge



### 2.3 Socioeconomic Factors

According to 2012 U.S. Census data, the parish's primary industry sectors based on employment include (1) Educational Services, Health Care, and Social Assistance, (2) Retail Trade, (3) Manufacturing, and (4) Agriculture, Forestry, Fishing and Hunting, and Mining. These four sectors represent 51% of the parish's total employment of 23,029 in 2012. The table below provides a summary of the overall economy based upon employment.

Table 2-2: St. Martin Parish Employment by Industry Sector, 2012

<b>2012 American Community Survey 5-Year Estimates</b>		
<b>Industry Sector</b>	<b>Number of Workers*</b>	<b>Approx. %</b>
Educational Services, and Health Care and Social Assistance	4,267	18%
Retail Trade	2,808	12%
Manufacturing	2,546	11%
Agriculture, Forestry, Fishing and Hunting, and Mining	2,207	10%
Public Administration	1,780	8%
Arts, Entertainment, Recreations, and Accommodation, and Food Services	1,693	7%
Construction	1,529	7%
Other Services Except Public Administration	1,294	6%
Transportation and Warehousing, and Utilities	1,315	6%
Professional, Scientific, and Management, and Administrative and Waste Management Services	1,235	5%
Finance and Insurance, and Real Estate, Rental, and Leasing	988	4%
Wholesale Trade	956	4%
Information	411	2%
<b>Total</b>	<b>23,029</b>	<b>100%</b>

Source: U.S. Census Bureau, 2012 American Community Survey

\* Workers in the labor force 16 years and over

According to the U.S. Census Bureau, the population of St. Martin Parish in 2000 was 48,583. The 2010 Census records the St. Martin population at 52,160, which is a seven percent population increase since 2000. The population continues to be distributed such that the heaviest concentration of people and most urbanized areas are in the western portion of upper St. Martin Parish in the vicinity of the Bayou Teche Ridge.

### **3.0 §201.6 (b) THE PLANNING PROCESS**

---

An open public involvement process is essential to the development of an effective plan. To develop a more comprehensive approach to reducing the effects of natural disasters, the planning process shall include the following:

#### **3.1 §201.6 (b)(1) *An opportunity for the public to comment on the plan during the drafting stage and prior to plan approval***

Various methods which encouraged and facilitated public comment during the drafting stage and prior to plan approval were incorporated into the planning process. To create the nucleus of parish/local participation, a Hazard Mitigation Plan Update (HMPU) committee was formed. The HMPU committee was comprised of a diverse group of citizens and professionals from throughout the parish.

The primary mode of plan update participation included three HMPU committee meetings. Each HMPU committee meeting was open to the public and advertised to increase public awareness and encourage participation. Additionally, the news media was contacted prior to all meetings. The HMPU committee meetings occurred on the following dates:

- September 10, 2014
- October 7, 2014
- October 28, 2014
- November 18, 2014

Supporting documentation (advertisements, attendance lists, agendas, PowerPoint presentations, etc.) related to the aforementioned meetings are included in Attachments c1-3.1A—c1-3.4D (page 4-54).

#### **3.2 §201.6 (b)(2) *An opportunity for neighboring communities, local and regional agencies involved in hazard mitigation activities, and agencies that have the authority to regulate development, as well as business, academia and other private non-profit interests to be involved in the planning process***

Local and regional agencies were directly involved in the planning process by way of their participation on the HMPU committee. These parties included the parish planning and zoning director, the parish director of emergency preparedness, and key operations personnel from the public works departments of the parish. Private and non-profit interests were also involved in the process as were business interests by way of committee participation. The HMPU committee member list is provided as attachment c1-1.

GOHSEP representatives were invited to all committee meetings. They provided input as needed throughout the planning process.

### ***3.3 §201.6 (b)(3) Review and incorporation if appropriate, of existing plans, studies, reports, and technical information***

At the outset of the HMPU planning process, a preliminary list of existing plans and studies was established in cooperation with parish officials and the HMPU committee. Plans that were initially identified included the following:

- St. Martin Parish Hazard Mitigation Plan, 2010
- St. Martin Parish Hazard Mitigation Plan, 2005
- Louisiana State Hazard Mitigation Plan, April 2014
- Louisiana State Hazard Mitigation Plan, April 2008
- Louisiana Coastal Impact Assistance Plan (CIAP), June 2007
- Louisiana's Comprehensive Master Plan for a Sustainable Coast (CPRA), April 2007
- Louisiana Coastal Impact Assistance Plan (CIAP), June 2007
- Coastal Wetlands Planning Protections & Restoration Act (CWPPRA), April 2006
- Coastal Wetlands Planning Protections & Restoration Act (CWPPRA), April 2006
- Town of Henderson Master Plan, 2001

Each document was reviewed for relevant content. Information from the plans was incorporated into the planning process as necessary following discussions with the HMPU committee.

Examples of technical information reviewed and incorporated into the HMPU include historical flood data from FEMA, documented high water marks from the U. S. Army Corps of Engineers, and light detection and ranging (LIDAR) elevation data from the U.S. Geological Survey. Much of this data was incorporated into the risk assessment component of the plan relative to plotting historical events and the magnitude of damages that occurred.

## 4.0 §201.6 (c) PLAN CONTENT

---

### 4.1 §201.6 (c)(1) Documentation of the planning process used to develop the plan including (a) how it was prepared, (b) who was involved in the process, and (c) how the public was involved.

#### 4.1.1 How it was prepared...

St. Martin Parish's most recent Hazard Mitigation Plan was adopted in 2010. The plan included the six incorporated communities in the parish and the entirety of the unincorporated area. As noted previously, the municipalities are St. Martinville, Breaux Bridge, Henderson, Arnaudville (portion of), Parks, and Broussard (portion of). Arnaudville and Broussard decided to participate in both parish's plans in which they reside even though they did not participate in St. Martin Parish's original HMP (2005). Arnaudville previously participated in St. Landry Parish's HMP and Broussard previously participated in Lafayette Parish's HMP.

The development of the 2015 St. Martin Parish HMPU complies with 44 CFR §201.6(d)(3) which requires the adoption of formalized hazard mitigation plan updates every five years. These updates ensure that the parish maintains eligibility for FEMA hazard mitigation project funding. The update is meant to reflect changes in development, to document progress on local mitigation efforts outlined in the 2010 HMPU, and to adapt mitigation efforts to changing priorities. The HMPU committee provided information that was critical to developing the HMPU.

A combination of procedures spelled out in CFR §201.6, workshop manuals, and how-to guidelines were followed throughout the update process.

#### 4.1.2 Who was involved in the process...

The HMPU committee served as the parish's primary representative body throughout the plan update. Committee membership was comprised of a broad cross-section of the community, with members selected from each of the drainage districts, water and sewer districts, the St. Martin Parish Council, the St. Martin Parish Government administration, parish and municipal police and fire departments, parish and municipal public works departments, and the elected leadership (mayor) of each municipality. Additionally, non-profits, representatives of the business community, economic development agencies, and consulting engineers were included. A detailed list of HMPU committee members is presented as Attachment c1-1 (page 1) in the Attachments section.

Goals of the HMPU committee included incorporating new data, especially that from recent storm and flood events, identifying new hazards, updating risk and vulnerability assessments, and updating mitigation goals and action items.

#### ***4.1.3 How the public was involved***

The public was well represented through the participation of the Consolidated Government, a comprehensive group of parish regulatory agencies, and local engineering firms on the HMPU committee. Over a three month period, the group met four times to collaborate on the plan's development. Input from the committee was key to identifying potential hazard events, collecting data on hazard events that had occurred since the 2010 update, identifying critical facilities, and identifying and prioritizing hazard mitigation projects. Summaries of the public meetings are presented below and a listing of attendees is presented as Attachment c1-2 on pages 2 and 3.

Public participation was also encouraged through public advertisement of HMPU committee meetings through local media outlets. Media coverage served as another medium to convey information to and encourage future participation of members of the public unable to attend face-to-face meetings. A public notice was also published in the newspaper prior to each HMPU committee meeting.

#### **Meeting No. 1 - September 12, 2014**

The St. Martin Parish Hazard Mitigation Plan Update Committee held its first public meeting at the Fire Training Center in Breaux Bridge, Louisiana, on Wednesday, September 12, 2014. The purpose of the meeting was to introduce the committee and discuss an overview of the Plan Update process. Prepared handouts included an agenda, the Hazard Mitigation Plan Update from 2010 and the mitigation project list. Below is a general summary of meeting highlights. A PowerPoint and accompanying notes for this meeting are found in Attachment c1-3.1C (pages 7-10) and Attachment c1-3.1D (pages 11-20).

#### **Meeting No. 2 – October 7, 2014**

The St. Martin Parish Hazard Mitigation Plan Update Committee held their second open to the public meeting at the Fire District Training Center in Breaux Bridge, Louisiana, on Tuesday, October 7, 2014. The purpose of the meeting was to provide an opportunity to update maps, add new or existing projects and receive stakeholder input on hazard events.

The first meeting agenda was reviewed. Nicole Cutforth, CB&I Project Manager, then launched a discussion about required plan maintenance and eligibility for Hazard Mitigation Grant funds. She explained that HMGP funds pay for wind hardening, elevations of homes or other commercial repetitive loss properties, and upgrades to current infrastructure or buildings that reduce or eliminate the effects of natural disasters.

Ms. Cutforth explained the risk assessment process, participation strategy, as well as the method of prioritization (STAPLEE) that will be used for projects.

A PowerPoint and accompanying notes for this meeting are found in Attachment c1-3.2C (pages 24-28) and Attachment c1-3.2D (pages 29-38).

### **Meeting No. 3 - October 28, 2014**

The St. Martin Parish Hazard Mitigation Plan Update Committee held their third open to the public meeting at the Fire District Training Center in Breaux Bridge, Louisiana, on Tuesday, October 28, 2014. The purpose of the meeting was to allow attendees to provide input on project prioritization.

Nicole Cutforth, CB&I Project Manager, provided an overview of the second meeting as well as the agenda for the third meeting. Two handouts were provided to attendees; a project list and a document that described the STAPLEE method. Attendees were directed to rank projects from highest to lowest priority using their understanding of the STAPLEE method. Ms. Cutforth emphasized to the committee that final additions to the project list would need to be submitted by November 18, 2014, for them to be integrated into the updated Hazard Mitigation Plan. Accompanying notes for this meeting are found in Attachment c1-3.3B (pages 41-42). The resulting project prioritization can be viewed in the 2015 Project List on pages 107-109.

**4.2 §201.6 (c)(2) *A risk assessment that provides factual basis for activities proposed in the strategy to reduce losses from identified hazards. Local risk assessments must provide sufficient information to enable the jurisdiction to identify and prioritize appropriate mitigation actions to reduce losses from identified hazards.***

Risk Assessment is a four-step process: hazards are identified; hazard events are profiled; an inventory of assets within the community is conducted, and; the potential losses experienced by a community due to a hazard event are estimated. This section is divided into subsections that address each component of the risk assessment process. This section contains data from the National Oceanic and Atmospheric Administration (NOAA), the Federal Emergency Management Agency (FEMA), St. Martin Parish, and FEMA HAZUS software which is used to support the four-step risk assessment process.

The St. Martin Parish Hazard Mitigation Plan Risk Assessment is outlined below. The section is divided in components parts including **§201.6 (c)(2)(i)**, **§201.6 (c)(2)(ii)**, **§201.6 (c)(2)(ii) (A)**, **§201.6 (c)(2)(ii)(B)**, and **§201.6 (c)(2)(ii)(C)**,

**The risk assessment shall include the following:**

**4.2.1 §201.6 (c)(2)(i) *A description of the type, location, and extent of all natural hazards that can affect the jurisdiction. The plan shall include information on previous occurrences of hazard events and on the probability of future hazards events.***

The identification of hazards is in the risk assessment process. The planning team utilized a combination of sources such as the NOAA National Climatic Data Center (NCDC)

information, the 2010 St. Martin Parish HMPU, and the HMPU Committee to identify hazards that may potentially impact St. Martin Parish.

According to the NCDC, there have been 139 recorded climatic events recorded in St. Martin Parish within the 63-year period from 1950 to 2013. Table 4-1 is a summary of those events. In order of highest magnitude, Floods, Hurricanes/Tropical Storms/Tropical Depressions, and Wind generate the most property damage within the parish. It should be noted that the Wind climatic event has the highest probability of occurring and is most attributable to thunderstorm wind.

**Table 4-1: NOAA National Climatic Data Center Recorded Climatic Events in St. Martin Parish, 1950 - 2013**

Event Type	Number of Events	Events/Year	Probability	Property Damage	Crop Damage	Damage/Event
<b>Flood</b>	<b>22</b>	<b>0.35</b>	<b>35%</b>	<b>\$ 7,960,000</b>	<b>\$ -</b>	<b>\$ 361,818</b>
Flash Flood	15	0.24	24%	\$ 7,685,000	\$ 50,000	\$ 515,667
Flood	5	0.08	8%	\$ 25,000	\$ -	\$ 5,000
Storm Surge	1	0.02	2%	\$ 250,000	\$ -	\$ 250,000
Heavy Rain	1	0.02	2%	\$ -	\$ -	\$ -
<b>Cold</b>	<b>10</b>	<b>0.16</b>	<b>16%</b>		<b>\$ -</b>	<b>\$ 2,500</b>
Cold/Wind Chill	2	0.03	3%	\$ -	\$ -	\$ -
Winter Weather	8	0.13	13%	\$ 20,000	\$ -	\$ 2,500
<b>Wind</b>	<b>58</b>	<b>0.92</b>	<b>92%</b>	<b>\$ 7,010,500</b>		<b>\$ 120,871</b>
Thunderstorm Wind	39	0.62	62%	\$ 235,500	\$ -	\$ 6,038
Tornado	19	0.30	30%	\$ 6,775,000	\$ -	\$ 356,579
<b>Excessive Heat</b>	<b>4</b>	<b>0.06</b>	<b>6%</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>Drought</b>	<b>6</b>	<b>0.10</b>	<b>10%</b>	<b>\$ -</b>	<b>\$10,700,000</b>	<b>\$ 1,783,333</b>
<b>Hail</b>	<b>23</b>	<b>0.37</b>	<b>37%</b>	<b>\$ 11,000</b>	<b>\$ -</b>	<b>\$ 478</b>
<b>Hurricane/Tropical Storm</b>						
	14	0.22	22%	\$ 73,051,000	\$39,500,000	\$ 8,039,357
<b>Lightning</b>	<b>2</b>	<b>0.03</b>	<b>3%</b>		<b>\$ -</b>	<b>\$ -</b>
<b>Total</b>	<b>139</b>	<b>2.21</b>	<b>221%</b>	<b>\$ 88,032,500</b>	<b>\$ 50,200,000</b>	<b>\$ 10,308,358</b>

### Hazard Identification

Based on the combination of NOAA Climatic Data Center Recorded Climatic Events listed in the above table, the 2010 HMPU, and the HMPU committee, this section lists and describes potential hazard events that may impact the community.

During the HMPU committee kick-off meeting held on September 10, 2014 (meeting presentation as Attachment c1-3.1D), HMPU Committee members were presented with a list of identified hazards. The worksheet was developed based on the aforementioned data sources and was reviewed and revised based on HMPU committee comments.

Three hazards that the HMPU committee deemed to be prevalent threats to St Martin Parish are as follows:

- Flooding (storm event, riverine, and backwater)
- High winds
- Levee Failure
- Tornado

Each hazard in the “Identified Hazards” list is referenced below with an explanation of its potential probability (based on NOAA Recorded Climatic Events) as a hazard to the parish.

Identified Hazard	Comments	Hazards Profiled in Plan Update
<b>Natural Hazards</b>		
Avalanche	No recorded avalanche events have occurred in the parish and therefore will not be explored further as a potential threat in this HMPU.	-
Coastal (Tropical) Storm	<p>During the planning session, “coastal storm” was regarded as similar to hurricanes and therefore considered redundant. Impacts of coastal storms are similar to those generated by hurricanes. For purposes of this report, storm water and surge events created by tropical storms and tropical depressions and hurricanes are considered. However, storm water and surge events related to hurricanes are considered the most serious.</p> <p>Based upon historical events, coastal storms are often the cause of heavy rainfall events with less wind than hurricanes. The heaviest rainfalls in recent history resulted from tropical depressions. Tropical Storm Allison is a recent example. To the contrary, while hurricanes often contribute heavy rain (Hurricane Juan for example), it is the sustained wind damage that has caused the most damage to the region such as that which occurred with Hurricane Andrew. For these reasons, tropical storm data was incorporated into the planning process in combined analysis with historical hurricane evaluations.</p>	Tropical Storm
Hurricane	Hurricane hazards are a primary concern regarding flooding from both storm water events and storm surge. Wind damage is also of significant concern. Storm water issues and surge issues are also addressed as flood concerns.	Hurricane

Flood	<p>Flooding concerns are addressed as the major hazard issue in the parish, and, as such, are detailed throughout this HMPU. Additionally, with high river stages and as a result of storm surge, flooding occurs in areas far removed from the source of the primary event. Locally, the term “backwater flooding” identifies this phenomenon. The issue is of such concern that the committee chose to include the feature with the overall function of flooding in addition to riverine, stormwater, and storm surge.</p>	Flood
Earthquake	<p>No recorded earthquake events have occurred in the parish.</p>	-
Drought	<p>Drought is a minimal concern in St. Martin Parish as depicted in the NOAA table above. Only six recorded events were noted in the last 63 years and no anticipated drought related mitigation issues were noted in St. Martin Parish. The HMPU committee concurred that while the hazard is possible, it is not considered probable.</p>	-
Expansive Soils	<p>Many of the soils in the parish have a high plasticity index. As such, shrink-swell potential of the soils is significant. Even so, the HMPU committee felt that the soils issue in the parish is not of a magnitude to be addressed as a prevalent hazard for purposes of this plan.</p>	-
Extreme Heat	<p>Four recorded excessive heat events have been recorded in the last 63 years in St. Martin Parish. Therefore, the HMPU Committee determined that the hazard is not of a magnitude to be addressed as a prevalent hazard in this plan.</p>	-
Land Subsidence	<p>More prevalent in Gulf coast parishes, land subsidence is not considered significant in St. Martin Parish. The magnitude of the problem at this time is considered not critical for purposes of this planning effort.</p>	-
Land Slide	<p>No recorded landslide events have occurred in St. Martin Parish and will not be of further consideration for the purposes of this HMPU.</p>	-
Hail Storm	<p>The committee concurred that hailstorms will not be of further consideration for the purposes of this plan because the damages incurred per event and frequencies are not significant.</p>	-
Wildfire	<p>No wildfire events of significance have been recorded in St. Martin Parish and will not be of further consideration for the purposes of this HMPU.</p>	-
Tsunami	<p>Tsunami events have never been noted in St. Martin Parish and will not be considered further in this HMPU.</p>	-
Volcano	<p>No volcanoes exist in St. Martin Parish and will not be of</p>	-

	further consideration for the purposes of this HMPU.	
Severe Winter Storm	Because severe winter storms are so seldom in the coastal area, impacts were considered neither prevalent nor applicable to this planning effort.	-
Landslide	No recorded landslide events have occurred in St. Martin Parish and will not be of further consideration for the purposes of this HMPU.	-
Tornadoes	Tornadoes are a function of high winds. They have occurred historically in the parish and are likely to occur in the future. Due to the limited impacts created by any single event upon the parish, the HMPU Committee concluded that addressing mitigation measures relative to tornados as a stand-alone hazard should not be considered in this plan, but the tornado hazard will be profiled due to its 30 percent probability of occurrence.	Tornadoes
<b>Man Made Hazards</b>		
Dam Levee Failure	Dams do not exist in St. Martin Parish. Levee failure was discussed as a highly significant hazard even though no failures have occurred in the area. Should a levee fail during a high water event such as the Atchafalaya River flood of 1973, catastrophic losses would occur. The probability of levee failure is considered remote but only because of the diligence of parish and federal agencies and their routine inspection and maintenance. A map of the levee systems in St. Martin Parish is displayed in Attachment c2-3 (page 57) at the end of this section. Although considered a remote possibility, levee failure will be profiled with the same importance as flooding since the potential for losses is catastrophic. Levee failure is a new addition to the HMPU. The former HMP (2005) did not include levee failure as a hazard.	Levee Failure

### Prevalent Hazards to the Community

Although many of the hazards in the previous section occur in the parish, attention was focused on the most prevalent hazards which include the following:

- Flooding
- Hurricanes and Coastal/Tropical Storms
- Levee Failure
- Tornadoes

This list was confirmed by HMPU committee members in Meeting No. 1 and with consideration of the former HMPU (2010). For analysis purposes, the impacts of the critical and prevalent hazards are summarized as follows:

(a) Flooding from riverine sources, stormwater, coastal storms, and hurricanes in the following forms:

- Riverine (primarily high water related to rivers and bayous)
- Stormwater (rainfall)
- Backwater flooding (as the result of river flooding and surge)

(b) Wind Damage resulting from hurricanes, coastal/tropical storms and tornadoes

(c) Levee failure resulting from extreme flood events

Because of the proximity of the parish to the Gulf coast and its geography, it is highly prone to the effects of hurricanes and severe storms. The parish has a history of damage linked to these events. Nineteen presidentially declared disasters associated with hurricanes, tropical storms, and flooding from severe storms have occurred in the parish since 1965 (see Table 4-2). The resultant wind and flood damage created by these historical events was designated as a significant hazard to the community.

**Table 4-2: St. Martin Parish Presidential Disaster Declarations (1965 to 2013)**

Year	DR#	Storm Name	Impact	Damage (billions)
1965	208	Hurricane Betsy	Storm surge, flooding, and destructive winds	\$ 21.9
1971	315	Hurricane Edith	Flooding and high winds	\$ 0.3
1973	374	Severe storms, flooding	Heavy rains and flooding	N/A
1974	448	Hurricane Carmen	High winds and tidal flooding	\$ 1.6
1980	616	Severe storms/flooding	Heavy rains and flooding	N/A
1985	752	Hurricane Juan	Storm surge, heavy rain, and flooding	\$ 4.1
1991	902	Severe storms/flooding	Heavy rains and flooding	N/A
1991	904	Flooding, severe storm, tornado	Heavy rains and flooding	N/A
1992	956	Hurricane Andrew	High winds, heavy rains, and flooding	\$ 56.0
1995	1049	Rain storm/flood	Heavy rains and flooding	N/A
1998	1246	Tropical Storm Frances & Hurricane Georges	Destructive winds, storm surge, tornado, and flooding	\$ 4.6
2001	1380	Tropical Storm Allison	High winds, heavy rains, and flooding	\$ 6.5
2002	1435	Tropical Storm Isidore	High winds, heavy rains, and flooding	\$ 0.4
2002	1437	Hurricane Lili	High winds and storm surge	\$ 1.1
2004	1548	Hurricane Ivan	Winds	\$ 15.5
2005	1603 & 3212	Hurricane Katrina	High winds	\$ 81.0
2005	1607 & 3260	Hurricane Rita	Storm surge and flooding	\$ 10.0
2008	1792	Hurricane Ike	Heavy rains, high winds	Gustav and Ike cause
2008	1786	Hurricane Gustav	Heavy rains, high winds	\$8 to \$20B
2009	1863	Severe Storms/Tornadoes/Flooding	High winds, heavy rains, and flooding	N/A
2011	4015	Flooding	Mississippi River flooding	\$ 4.0
2011	4041	Tropical Storm Lee	High winds, heavy rains, and flooding	\$ 1.6
2012	4080	Hurricane Isaac	Heavy rains, high winds	\$ 1.0
2013	4102	Severe Storms and Flooding	High winds, heavy rains, and flooding	N/A

Note <sup>(1)</sup>: Loss estimates for all affected areas and are not necessarily limited to St. Martin Parish, estimates in 2000 dollars. Data obtained from *Normalized Hurricane Damage in the United States: 1900-2005*, R. Pielke, et. al.

The issue of flooding was discussed in detail and the committee members determined that, in addition to wind from hurricanes, tropical storms, and tornadoes, it is the most prevalent and the most frequent hazard to the parish. The committee members felt that the issue of flooding should be the main focus during this HMPU planning process. They also agreed that it is appropriate to sub-divide flooding into three sub-categories: riverine, stormwater, and backwater (caused by riverine flooding and surge). By separating the types of flooding into these categories, the parish was able to identify what

parts of the parish are prone to each type of flooding or disaster event. This approach proved valid in defining both the varying causes of flooding hazards and in determining vulnerability.

**4.2.2 §201.6 (c)(2)(ii) A description of the jurisdiction's vulnerability to the hazards described in paragraph (c)(2)(i) of this section. This description shall include an overall summary of each hazard and its impact on the community.**

A general description of specific events and their overall impact to the community is addressed in the following section. This section will be followed by an inventory of critical facilities and a detailed estimation of losses that could occur as a result of future hazards. A detailed analysis of buildings, infrastructure, values, etc. follows in later sections (c)(2)(ii)(A and B).

**Hazard Vulnerability**

**A Profile of Hazard Events and Hazard Impacts**

As discussed in section §201.6 (c)(2)(i), levee failure, flooding, hurricanes, coastal/tropical storms, and tornadoes were identified as prevalent hazards to St. Martin Parish.

A wind map is presented as Attachment c2-18 (page 72). Each of the most significant hazard events was profiled and mapped. A base map was created and is displayed in Attachment c2-1 at the end of this section (page 56).

Flood data was obtained from the internet FEMA Map Service Center at [www.fema.gov](http://www.fema.gov) along with archived information (newspaper articles and photographs) from parish files. The flood map is displayed in Attachment c2-4 (page 58) at the end of this section. Hurricane data was collected from historical newspaper documents, internet research with particular focus on USGS and USACE monitoring sites, and historical data.

**4.2.2.1 *Flooding***

The entire planning area of the parish is vulnerable to some sort of flood. The different types of flooding are described below.

***Storm water***

Storm water excesses caused by large amounts of rainfall in a short period of time occur frequently in this parish. Generally, the most damaging events are a function of tropical storms and hurricanes. Most of the problems associated with stormwater events occur in low-lying areas along and near Louisiana Highway 70 in Lower St. Martin Parish and are due to intense rainfall, abnormally high tides in the Gulf (near Morgan City), hurricanes or lesser tropical storms, southerly wind and rainfall, or other combinations of these events. In Upper St. Martin, floods result from periodic intense rainfall causing overflow of rivers and bayous. Nearly 75% of the parish is within the 100-year floodplain.

### *Backwater flooding*

Backwater flooding is normally associated with storm surge and river flooding (Atchafalaya River or Bayou Teche). In the case of storm surge, southerly winds and high tides rise over and through bayous, canals, and marshlands. In the event of backwater flooding, low lying areas, particularly those outside of protection levees, are at risk. Riverine based backwater flooding typically occurs during the spring when the Atchafalaya River is at its highest level. Strong southerly winds and high tides, along with high river stage and heavy rainfall and snowmelt from areas upstream of the problem area exert additional pressure on rivers and drainage channels. This phenomenon generally results in the flooding of eastern areas of the parish from Henderson in the northeast to Stephenville in the southeast.

### *Riverine*

Riverine flooding, by definition, is river based. In the case of St. Martin Parish, it is the Atchafalaya River that generates the greatest flooding concern which had its modern-day record flood in 1973. The flood of 1973 inundated most of the parish that is lower lying than the Teche Ridge and not protected by levees. Riverine flooding is usually a gradual process, with warning time from several hours to several days. River water surface elevations overtop natural banks of the channel inundating the areas within the floodplain or beyond. Riverine flooding has the tendency to remain in flood stage for a longer period of time than other types of flood hazards.

The HMPU committee identified five historical flood events that could be considered extreme. The events can be attributed to one or, in the case of the flood of 1997, more of the above flood categories. The following is a brief summary of each event.

### **Flood of 1997**

In 1997, several factors contributed to flooding in St. Martin Parish. First there was abundant winter snowfall in the northern states which contributed to snowmelt eventually feeding rivers flowing south and through Louisiana. Second, above-average rainfall plagued the entire state in the first half of 1997 with nearly 10 inches of rain above normal. The beginning of 1997 was denoted as one of the wettest of 10 years in more than a century (LSU News, 1997's Weather in Review, 1998). River stages in south Louisiana continued to steadily rise from mid-March with the Atchafalaya approaching its second highest mark (7.3 feet) in modern history, second only to the 10.6 feet experienced in 1973. On March 21, 1997, St. Martin Parish officials were the second local body to declare a state of emergency, while the situation in Stephenville in Lower St. Martin was becoming critical with respect to rising water. Rising flood water was also threatening the Belle River and Butte La Rose areas of St. Martin Parish. The high stages on the Atchafalaya were making it difficult if not impossible for backwater areas to unload the runoff from heavy rains. By late March of 1997 the river appeared to be near crest at 7.5 feet. The enormous amount of water moving down the river brought with it much silt which was settling out on the river bottoms, causing concern for siltation levels that would impede the flow of water moving into the Gulf; channel capacity was greatly reduced. When the river finally crested at 7.6 feet, waters did not recede quickly

enough to reduce backwater flooding. The effects of the flood of 1997 on St. Martin Parish are illustrated in Attachment c2-14 (page 69).

### **Flood of 2004**

Early in February 2004 much of south Louisiana experienced wetter than normal conditions. Following a short dry spell in late spring, a 10-day run of stormy weather produced as much as 10-20 inches of rain for parts of the state prompting widespread flooding across the southern half of the state. Over 8-inches of rain were recorded for parts of St. Martin Parish causing flash floods and road closures. Nearly 200 homes were damaged or destroyed near Breaux Bridge and Henderson. The effects of the flood of 2004 on St. Martin Parish are illustrated in Attachment c2-17 (page 71).

### **The Mississippi River Flood of 2011 (April – May)**

The combination of springtime snowmelt and rainfall resulting from multiple major storm systems between April 23 and May 2 made 2011 a record-setting year for flooding in the central United States.<sup>1</sup> For the Mississippi River, this caused the most intense river flooding recorded within the past century. The National Oceanic and Atmospheric Administration estimates that economic losses related to the flooding ranged from three to \$4 billion.

Lake Pontchartrain near the Bonnet Carre Spillway, 2011



Source: nola.com

The picture above shows water being diverted from the Mississippi River to Lake Pontchartrain on May 10, 2011 via the Bonnet Carre Spillway. Water from the Mississippi River was also diverted to the Atchafalaya River, which resulted in its cresting on May 30, 2011. St. Mary Levee District installed a barge in Bayou Chene, which prevented flooding in lower St. Martin Parish.

### **Bayou Fuselier Flood 03-15-12**

On March 15, 2012, heavy rains caused flash floods throughout Lafayette, St. Landry, and St. Martin parishes. According to the National Weather Service, there were 12 to 18 inches of rainfall throughout the region. A state of emergency was declared in the parish. Flooding affected between 15 and 20 roads in St. Martin and prompted many rescues. Photos on the following pages show the extent of flooding.

### **Bayou Fuselier Flood 01-11-13**

On January 13, 2013 a severe weather system moved throughout St. Martin Parish causing damage to homes, businesses, and high water on roadways. Many roadways were closed as a result of high water. Photos on the following pages show the extent of flooding.

---

<sup>1</sup> [http://www.srh.noaa.gov/jan/?n=2011\\_05\\_ms\\_river\\_flood](http://www.srh.noaa.gov/jan/?n=2011_05_ms_river_flood)

*Bayou Fuselier Flood March 15, 2012*



*Source: St. Martin Parish*



*Source: St. Martin Parish*

*Bayou Fuselier Flood March 15, 2012*



*Source: St. Martin Parish*



*Source: St. Martin Parish*

*Bayou Fuselier Flood March 15, 2012*



*Source: St. Martin Parish*

*Bayou Fuselier Flood January 13, 2013*



*Source: St. Martin Parish*

*Bayou Fuselier Flood January 13, 2013*



*Source: St. Martin Parish*



*Source: St. Martin Parish*

*Bayou Fuselier Flood January 13, 2013*



*Source: St. Martin Parish*



*Source: St. Martin Parish*

**Hurricane and Tropical Storm Hazard Events**

Because of the proximity of the parish along the Gulf coast, the region is highly prone to hurricanes and tropical storms. The parish has a history of damage linked to hurricanes and tropical storms that have occurred in the past. Seventeen presidentially declared disasters associated with hurricanes and tropical storms have occurred in the parish since 1965. As such, hurricanes and the resultant wind and flooding damage were designated

as a significant hazard to the community. More detailed examples are noted in Attachments c2-14 through c2-17 (pages 68 through 71).

Numerous hurricanes and tropical storms have impacted the study area. A table summarizing these instances is noted in this section. Information includes dates, names, impact to the area, and dollar damage estimates (if available).

Hurricane and Tropical Storm Profiles

As noted previously in Table 4-2, numerous hurricanes and tropical storms have impacted the study area. The entirety of the planning area is vulnerable to all categories of hurricanes. Three of the more extreme examples of these hazard events in St. Martin Parish are presented in the following text. Due to the devastation caused by hurricanes Katrina and Rita in 2005 along the gulf coast, a discussion of their impacts on St. Martin Parish is also provided. It should be noted that while much of the hazard impact of hurricanes is focused on flooding issues, wind is as much a concern to residents and property owners.

Storm track graphics are provided with each hurricane discussion. The graphics are color coded to indicate a storm’s intensity according to the Saffir-Simpson Hurricane scale as it approached and made landfall. An explanation of the scale is provided at right.

The most extreme examples of the hazard events that have impacted St. Martin Parish are presented in the following text beginning in 1965 with Hurricane Betsy.

Each event description includes a graphic that illustrates the path taken by the storm. The path is color coded according to the Saffir-Simpson Hurricane Scale to establish the storm’s intensity as it approached and made landfall. Every category of hurricane (1-5) can occur in the entirety of the planning area. The colors and the Saffir-Simpson Hurricane Scale are illustrated to the right.

**Hurricane Andrew (1992)**

Hurricane Andrew is the second most destructive hurricane in United States (U.S.) history with damages estimated at \$56 billion. It made its second U.S. landfall (first in Florida) on August 26, 1992 at Point Chevreuil Louisiana (southwest of Morgan City) as a Category 3 storm with winds of 115 miles per hour. The storm’s track would guide it up the Atchafalaya River system just west

<b>Saffir-Simpson Hurricane Wind Scale</b>	
<b>Category</b>	<b>Wind Speed</b>
5 (major)	≥157 mph ≥252 km/h
4 (major)	130–155 mph 209–251 km/h
3 (major)	111-129 mph 178-208 km/h
2	96-110 mph 154-177 km/h
1	74-95 mph 119-152 km/h
<b>Additional Classifications</b>	
Tropical Storm	39-73 mph 63-117 km/h
Tropical Depression	0-38 mph 0-62 km/h

Hurricane Andrew's Storm Track



Source: noaa.gov

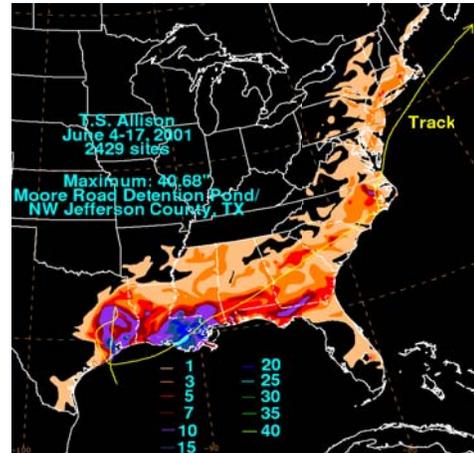
of St. Martin Parish. Hurricane Andrew's path is illustrated in the following graphic.

Of the twelve tropical storms and hurricanes to strike the parish in the last 42 years, Hurricane Andrew inflicted the greatest amount of property damage to structures within the parish. These damages were largely attributed to wind.

### **Tropical Storm Allison (2001)**

Tropical Storm Allison made its initial landfall near Freeport, Texas on June 5, 2001 with 50 mile per hour winds. The storm stalled over land in Texas and retreated south and re-entered the Gulf of Mexico. It slowly drifted to the east and made a second landfall near Morgan City, Louisiana on June 11, 2001. Tropical Storm Allison left a severely drenched Texas and Louisiana in its path. The following graphic illustrates the storm track as well as rainfall accumulations produced by the storm. Allison will be remembered as the costliest tropical storm in U.S. history with 41 deaths and a \$5 billion price tag associated with the damage.

Tropical Storm Allison's Storm Track and Rainfall Data



Source: noaa.gov

While all of Lower St. Martin Parish was inundated, only low-lying areas in Upper St. Martin Parish were inundated. The portions of Upper St. Martin along the Teche Ridge were spared. A map of the inundation caused by Tropical Storm Allison in St. Martin Parish is included as Attachment c2-15 (page 69).

### **Hurricane Lili (2002)**

Hurricane Lili made landfall on October 3, 2002 near Intracoastal City, Louisiana (Vermilion Parish) as a Category 1 storm; however, the designation of the storm is not truly representative of the storm itself. Just prior to making landfall, the storm had a maximum designation of a Category 4, causing all oil production in the central area of the Gulf of Mexico to cease operations. Hurricane Lili's path is illustrated to the right.

Hurricane Lili's Storm Track



Source: noaa.gov

The storm surge and associated inland rains caused backwater flooding and inundated much of the same areas of the parish as did Tropical Storm Allison. The damage was centered in the western and central portions of the parish which were nearest to the eye and subjected to prolonged south winds. The area of inundation covered the western

extent of the parish eastward to the Atchafalaya River. The extent of parish inundation caused by the storm is displayed in Attachment c2-16 (page 70) at the end of this section.

### **Hurricane Katrina (2005)**

After crossing southern Florida, Hurricane Katrina made U.S. landfall for the second time on August 29, 2005, near Buras/Triumph, Louisiana. The hurricane was a Category 3 storm with wind speeds of 125 miles per hour. Hurricane Katrina was the most damaging natural disaster in U.S. history with an estimated \$81 billion worth of damage. Much of that damage, which was limited to extreme east and southeast Louisiana and the Mississippi gulf coast, was caused by high winds and storm surge (estimated 14 feet in Plaquemines Parish, Louisiana). However, St. Martin Parish was largely spared of Hurricane Katrina's devastating effects as it was located on the west side of the eye of the storm. The parish experienced minimal wind damage as a result of the storm. As the picture below shows, Katrina pushed inland along the southeastern Louisiana-Mississippi border then established a north-northeast track.



Source: noaa.gov

### **Hurricane Rita (2005)**

Hurricane Rita made landfall on September 24, 2005, along the Louisiana-Texas border near Johnsons Bayou, Louisiana. The hurricane came ashore as a Category 3 storm with sustained winds of 120 mph. As graphically depicted below, Hurricane Rita initially followed a path along the western Louisiana-Texas border and then turned northwest.



Source: noaa.gov

Hurricane Rita caused an estimated \$10 billion in damages. While parishes due south of St. Martin (Iberia and St. Mary) were subject to significant flooding created by Rita's storm surge, St. Martin Parish was largely spared of the storm's devastating effects. However, localized flooding was reported in lower St. Martin Parish and wind speeds in excess of 50 miles per hour were recorded in Stephenville in the southernmost portion of the parish.

### **Hurricanes Gustav (Sept. 1) and Ike (Sept. 12-13), 2008**

Hurricane Gustav is known as one of the most devastating hurricanes of 2008, causing physical damage and fatalities in multiple countries including Jamaica, the Cayman Islands, Cuba, Haiti, the Dominican Republic, and the United States (namely Louisiana). Hurricane Gustav was the first storm in Louisiana's history to necessitate a mandatory evacuation of residents within all at-risk coastal parishes.<sup>2</sup> Over two million people were evacuated from the region.



Source: noaa.gov

The hurricane entered the Gulf of Mexico and made its final landfall on September 1, 2008, as a Category 2 hurricane in Cocodrie, Louisiana, a shrimping and crabbing village located in St. Martin Parish south of Houma. St. Martin Parish endured 80-mph winds that caused widespread power outages and minor flooding.

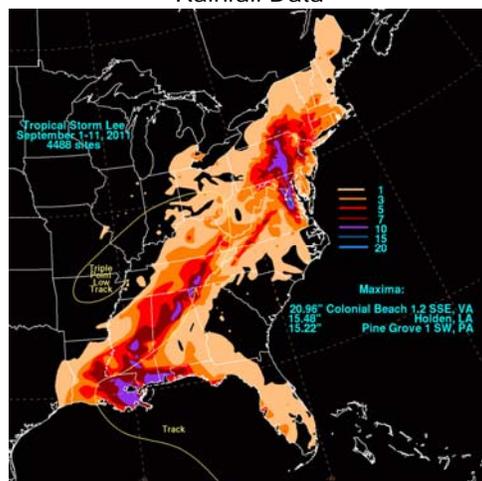


Source: noaa.gov

Another hurricane impacted Louisiana approximately two weeks after Hurricane Gustav. Though Hurricane Ike made landfall in Galveston Island, Texas, on September 12 and 13, 2008, Category 2 winds from Hurricane Ike produced surges in coastal Louisiana that ranged between three feet and six feet in height in areas east of Grand Isle. Storm surge heights increased west of Grand Isle, reaching a maximum of 10 feet at some locations.

### **Tropical Storm Lee Storm Track and Rainfall Data**

The Louisiana Economic Development Department estimates that Hurricanes Gustav and Ike caused 51 deaths and between \$8 and \$20 billion in physical damage across the state.



Source: NOAA

### **Tropical Storm Lee (September 2011)**

On October 28, 2011, President Obama declared a state of emergency in Louisiana as a

<sup>2</sup> State of Louisiana Governor's Office of Homeland Security and Emergency Preparedness. State of Louisiana After-Action Report and Improvement Plan: Hurricanes Gustav and Ike.

result of damage caused by Tropical Storm Lee. The storm made landfall between September 1 and 11, 2011. St. Martin Parish experienced minimal NOAA recorded damage.

### Hurricane Isaac Aug. 29, 2012

Hurricane Isaac was a Category 1 hurricane that made landfall in Plaquemines Parish on August 29, 2012.<sup>3</sup> The hurricane generated maximum sustained winds of 80 miles per hour but weakened to a tropical storm and then a tropical depression as it progressed over southeastern Louisiana. Approximately one billion dollars in damage was caused by the hurricane. In St. Martin, over 1,000 homes were damaged with approximately 20 homes with reported water inside. Fields of sugar cane were also damaged.



#### 4.2.2.2 Levee Failure (includes floodwalls) and Pump Stations

The failure of a levee or floodwall during any type of high water event could prove catastrophic to a large portion of the parish, the magnitude of which would be dependent on the location of the break. The levees located within the parish are associated with the Atchafalaya River Basin and were previously discussed in Section II of this HMPU. A map depicting levee alignments within the parish is presented as Attachment c2-3 (page 57) of the attachments for this section. There is one pump station for flood control located within the parish in the community of Stephenville. A photograph of this pump is provided below and its location is also illustrated on Attachment c2-3.



<sup>3</sup> [http://www.doa.louisiana.gov/cdbg/DR/Isaac/Isaac\\_Background.htm](http://www.doa.louisiana.gov/cdbg/DR/Isaac/Isaac_Background.htm)

The parish's levees were constructed by the USACE. These levees are well maintained by the parish government and inspected annually by parish and federal officials. Generally, levee construction is a function of the USACE, while levee maintenance is the responsibility of the parish government. In the case of the Atchafalaya Basin levee system, maintenance responsibility is facilitated through the Atchafalaya Basin Levee Board which has a regional, multi-parish jurisdiction.

In the event that levee failure occurred, an estimated 95% of St. Martin Parish would be heavily inundated, including portions of the Teche Ridge that are typically spared during other flood events. The probability of levee failure occurring in any given year is less than 1%. Parishwide levee failure maps are included as Attachments c2-21 through c2-21.7 (pages 82 through 89). The extent of levee failure as portrayed in the aforementioned maps is as follows:

- Broussard – The entire northernmost portion of Broussard that resides in St. Martin Parish is inundated in a levee failure event. The south eastern portion is only slightly flooded.
- St. Martinville – Over 95% of St. Martinville would flood in a levee failure event
- Breaux Bridge – Over 50% of Breaux Bridge would flood in a levee failure event. The area that is not flooded lies on a natural ridge.
- Henderson – 100% of Henderson would flood in a levee failure event
- Arnaudville – No areas in the portion of Arnaudville in St. Martin Parish would flood during a levee failure event
- Parks – Over 95% of Parks would flood in a levee failure event. The area that is not flooded lies on a natural ridge
- Unincorporated – 100% of Lower St. Martin Parish would flood during a levee failure event

#### 4.2.2.3 *Tornadoes*

Although no federal disasters have occurred in St. Martin Parish solely due to tornadoes, the HMPU Committee identified tornadoes as a potential risk throughout the parish.

A tornado is a violent windstorm characterized by a twisting, funnel-shaped cloud. It is spawned by a thunderstorm or sometimes as a result of a hurricane and produced when cool air overrides a layer of warm air, forcing the warm air to rise rapidly. Tornadoes often form in convective cells like that of thunderstorms or in the right forward quadrant of a hurricane, far from the hurricane eye. The damage from a tornado is the result of high wind speeds and wind-blown debris. Tornadoes can occur at any time of year. Tornado damage severity is measured by the Fujita Tornado Scale based on wind speed and described in the table to follow. All categories as described in the table below (F0-F5) can occur in the entirety of the planning area.

Because of the unpredictability of tornado paths and the destruction of commonly used instruments, direct measurements of wind speeds have not been made in tornadoes. Wind speeds are judged from the intensity of damage to buildings.

High winds are capable of imposing large lateral (horizontal) and uplift (vertical) forces on buildings. Residential buildings can suffer extensive wind damage when they are improperly designed and constructed and when wind speeds exceed design levels. The effects of high winds on a building will depend on the following factors:

- Wind speed (sustained and gusts) and duration of high winds
- Height of building above ground
- Exposure or shielding of the building (by topography, vegetation, or other buildings) relative to wind direction
- Strength of the structural frame, connections, and envelope (walls and roof)
- Shape of building and building components
- Number, size, location, and strength of openings (windows, doors, vents)
- Presence and strength of shutters or opening protection
- Type, quantity, velocity of windborne debris

<b>Fujita Tornado Measurement Scale</b>		
<b>Category</b>	<b>Wind Speed</b>	<b>Examples of Possible Damage</b>
F5 (major)	Incredible 261-318 mph	Incredible damage. Strongframe houses lifted off foundations and swept away; automobile-sized missiles fly through the air in excess of 100 meters (109 yds); trees debarked; incredible phenomena will occur.
F4 (major)	Devastating 207-260 mph	Devastating damage. Well-constructed houses leveled; structures with weak foundations blown off some distance; cars thrown and large projectiles generated.
F3 (major)	Severe 158-206 mph	Severe damage. Roofs and some walls torn off well-constructed houses; trains overturned; most trees in forest uprooted; cars lifted off ground and thrown.
F2	Significant 113-157 mph	Considerable damage. Roofs torn off frame houses; mobile homes demolished; box cars overturned; large trees snapped or uprooted, light-object projectiles generated.
F1	Moderate 73-112 mph	Moderate damage. Peels surface off roofs; mobile homes pushed off foundations or overturned; moving autos blown off roads.
F0	<73 mph	Light damage. Some damage to chimneys branches broken off trees; shallow rooted trees pushed over; sign boards damaged.

*Note: These precise wind speed numbers are actually guesses and have never been scientifically verified. Different wind speeds may cause similar-looking damage from place to place even from building to building. Without a thorough engineering analysis of tornado damage in any event, the actual wind speeds needed to cause that damage are unknown. Source: NOAA*

A tornado watch is issued to alert people to the possibility of a tornado developing in the area. Under a tornado watch, a tornado has not been seen but the conditions are very

favorable for tornadoes to occur at any moment. Conditions favorable for a tornado to occur include:

- Dark greenish or orange-gray skies
- Large hail
- Large, dark, low-lying, rotating or funnel-shaped clouds
- A loud roar that is similar to a freight train

A tornado warning is issued when a tornado has actually been sighted or when Doppler radar identifies a distinctive “hook-shaped” area within a local partition of a thunderstorm line that is likely to form a tornado.

People who reside in mobile homes are most exposed to damage from tornadoes. Even if anchored, mobile homes do not withstand high wind speeds as well as permanent, site-built structures.

**Major Mobile Home Parks**

Mobile Home Parks	Occupancy
Dallas Antoine	16
Bayou Oaks	37
Kelly Bourque Park	20
Bent Oak	68
Bayou	11
Hebert's	79
Bee & Lo	34
K & L	25
Seven C's	20
La Pecaniere	34
Roy J. Melancon	20
Midway	25
Country Oaks	16
Rose Pine	35
Cypress Island	34
My Place	20
F & M	14

St. Martin Parish is most vulnerable to the effects of tornadoes during severe tropical storms and hurricanes. No structural mitigation actions have been identified which will reduce damages caused by tornadoes; however, some wind mitigation actions identified under the hurricane hazard may lessen the effects of tornado-force winds.

The parish has not had any federally declared disasters due to a tornado alone. Climate data from the NOAA reports 19 tornadoes within St. Martin Parish between the years 1950 and 2013 with an annual probability of thirty percent. Tornadoes are sporadic; however, they average \$356,579, per event, based on historical losses from the NOAA. The committee agreed to assign the municipalities and the unincorporated area of St. Martin Parish at a medium risk for tornadoes. All 22,505 structures in the parish are

vulnerable to some sort of tornado damage at any given time. All wind related mitigation can be found in Attachment c2-18.

**St. Martin Parish Tornado History 1950-2013**

<b>Date</b>	<b>Type</b>	<b>Injury</b>	<b>Property Damage</b>
4/4/1952	Tornado	0	\$250,000
11/21/1953	Tornado	0	\$250,000
1/22/1965	Tornado	0	\$2,500
9/16/1971	Tornado	0	\$250,000
3/28/1977	Tornado	0	\$25,000
4/21/1977	Tornado	0	\$2,500,000
6/18/1988	Tornado	0	\$25,000
10/26/1988	Tornado	0	\$25,000
6/24/1991	Tornado	0	\$2,500
11/1/1992	Tornado	0	\$25,000
11/21/1992	Tornado	0	\$250,000
3/9/1994	Tornado	0	\$5,000
9/21/2006	Tornado	0	N/A
2/13/2007	Tornado	0	\$1,500,000
2/12/2008	Tornado	0	\$15,000
5/15/2008	Tornado	0	\$1,500,000
5/4/2009	Tornado	0	\$75,000
1/10/2013	Tornado	0	\$200,000
1/13/2013	Tornado	0	\$100,000
<b>Total</b>		<b>0</b>	<b>\$6,775,000</b>

### 4.2.3 Risk Assessments

The risk assessment process was developed using data from past hazard events, existing land use data, HAZUS, FEMA flood maps, and FEMA repetitive loss structures. The land use map used for this purpose is displayed in Attachment c2-5 (page 59) of this section.

The four individual risk assessment analyses include: FEMA’s 100-year flood plain; risk assessment based on past storm events; levee failure; and FEMA repetitive loss structures. A summary of the approach utilized in each independent map of the composite series is noted below.

#### 100-Year Flood Plain—FEMA DFIRMs

The 100-year flood plain map was provided by FEMA. Since a majority of the parish is within the 100-year flood plain, this mapped data along with the ABFEs were used in evaluation of the parish that is prone to present and future flooding damage. This map depicts which areas of the parish are vulnerable to a 100-year flood regardless of land use

and with no regard for the source or type of flooding. A map of the 100-year flood plain is displayed as Attachment c2-4 (page 58) at the end of this section.

### Risk Assessment Based on Past Storm Events

The second risk assessment technique utilized in the preparation of this HMPU is based upon past storm events. This approach was developed using data such as specific flood elevations from major past hazard events. The events and data captured to create this image are as follows (in chronological order): Hurricane Betsy, Hurricane Juan, Hurricane Andrew, Tropical Storm Allison, Hurricane Lili, Hurricane Rita, Hurricane Gustav, and Hurricane Ike.

The approach and methodology was found to be useful in determining what specific areas and land uses of the parish are vulnerable to hazards (primarily flooding) and which specific types of flooding are generating or creating that vulnerability. The past storm event assessment maps are displayed in Attachments c2-14 through c2-17 (pages 68 through 71) at the end of this section.

### Levee Failure

The third risk assessment technique utilized in the preparation of this plan was based on catastrophic, parish wide levee failure. Historical high water levels from the USACE gauge data as well as USGS gauge data were used to establish theoretical elevation for flood waters that would inundate the parish if all levees were to fail. The inundation area was interpreted with LIDAR to produce water depth levels. A parish wide levee failure map is displayed as Attachment c2-21 (page 82).

### FEMA Repetitive Loss Structures

The fourth independent vulnerability assessment mapping task was based on the FEMA repetitive loss structures inventory. According to GOHSEP, St. Martin Parish has a total of 67 repetitive loss structures located within the parish. This data was useful in determining which residential and commercial properties have been damaged as a result of past hazard events and (b) in focusing on specific losses and groups of losses, especially when common causes were apparent. The FEMA repetitive loss structure map is displayed as Attachment c2-19 (page 73). This map shows property damages located in separate vulnerable areas based upon actual losses. The following is a breakdown by incorporated jurisdictions within St. Martin Parish:

- Arnaudville - 4
- Breaux Bridge - 18
- Broussard - 3
- Henderson - 3
- St. Martinville -12
- St. Martin Unincorporated - 27

The final St. Martin Parish Risk Assessment Map is a composite of the four mapped data sets outlined above. Composite risk assessment maps are displayed as Attachments c2-20 through c2-20.7 (pages 74 through 81) at the end of this section.

As noted in Attachment c2-4, with the exception of the majority of the land comprising the Bayou Teche Ridge, the bulk of the parish is within the 100-year flood zone as defined by FEMA's DFIRM maps. When comparing this data to actual flood event data, most of the Teche ridge and the one minor ridge (Coteau Ridge near Broussard) are readily discernable. This layered combination shows the vulnerable areas in the parish.

**4.2.4 §201.6 (c)(2)(ii)(A) *The plan should describe vulnerability in terms of the types and numbers of existing and future buildings, infrastructure, and critical facilities located on the identified hazard areas***

A general list of assets that could be damaged by a hazard event was developed and mapped using GIS software. This list was collected from sources including local government officials and HAZUS following the guidelines prepared for HMPU preparation. Details and results of that process are noted below.

**Worksheet #3A**  
**Composite Flood Risk**  
**Inventory of Assets for Entire Parish**

Composite Flood Risk - Inventory of Assets for Entire Parish Worksheet #3A (Attachment c2-22) provides a general overview of the assets of the parish as a whole as well as the assets located in the hazard area. Three scenarios are represented in the worksheet – composite flood events, hurricane, and levee failure.

The information presented in Worksheet #3A (Attachment c2-22) represents estimates intended to provide a general overview of the number and value of structure types located in the parish and the proportion located in the hazard area. The levee failure scenario essentially removes the flood protection provided by the levees and results in a greater number of assets at risk. In cases where the data differed between the scenarios, the higher risk data (usually associated with levee failure) was selected for discussion in this section.

While collecting and researching the data within this worksheet, several information sources were utilized including HAZUS, mapped data from parish, state mapping sources, and mapped and tabular data from the parish assessor's office. For this worksheet and supporting tabular data, a combination of the 100-year flood plain and the past storm event risk assessment map coverage area was used as the hazard area for the entire parish.

In the determination of hazard area percentages, a census block map from HAZUS was overlaid onto the 100-year flood plain and risk assessment maps. The composite was

necessary to account for differences in the data sets. The following summary represents the information provided in composite version of Worksheet #3A.

### **Parishwide HAZUS**

A total of 22,505 structures in the parish with an estimated value of \$2,641,889,000 were noted. An estimated 18,313 of these with a value of \$2,148,053,000 are in the hazard area. The total residential population within St. Martin Parish is 48,583, and 39,984 or 82% are in the hazard area.

#### *Residential*

The residential classification of St. Martin Parish is the largest building group within the parish. Data indicates that 21,297 structures (dwelling units) with an estimated value of \$2,187,744,000 are located within the Parish. Of these buildings, 98 percent are located in the hazard area with an estimated value of \$2,151,615,470.

#### *Commercial*

Commercial buildings number 794 in the parish. The estimated value of these buildings is \$267,022,000 and 97% of the buildings are located in the hazard area. The value of the buildings in the hazard area is estimated at \$259,324,176.

#### *Industrial*

The industrial classification of the parish consists of 239 buildings with an estimated value of \$114,171,000. Of the buildings noted, approximately 97% are in the hazard area with an estimated value of \$105,989,793.

#### *Agricultural*

In the agricultural class, 68 buildings exist with an estimated value of \$6,985,000. Of these, approximately 98 percent are in the hazard area and have an estimated value of \$6,840,252. While many of these structures are in the areas classified as agricultural, many are actually residential in use.

#### *Religious/Non-Profit*

The religious/non-profit buildings total 51 with an estimated value of \$26,776,000. In this classification, it is estimated that 100 percent of the buildings are in the hazard area and have an estimated value of \$26,776,000.

#### *Government*

Government buildings in the parish total 30 with an estimated value of \$16,564,000. Approximately 100 percent of these buildings are located in the hazard area and have an estimated value of \$16,564,000.

#### *Educational*

Educational structures number 26 having an estimated value of \$22,627,000. Of these buildings, 75 percent are within the hazard area with an estimated value of \$14,891,035.

### **Critical Facilities of the Parish**

A detailed list of 120 critical facilities located throughout the parish is seen in Attachment c2-23 (pages 98 through 100). This list was compiled according to the following pre-defined groups:

- Sewer Treatment
- Schools
- Fire Stations
- Police Stations
- Medical Facilities
- Power Plants
- Potable Water

This information was gathered from sources including HAZUS and interviews with St. Martin Parish government officials. After the list of critical facilities for the parish was completed, the HMPU Committee reviewed the list and made necessary revisions. Critical facility maps are displayed in Attachments c2-6 through c2-12 (pages 60 through 66) at the end of this section.

Although this list includes only critical facilities, repetitive loss structures, including residential properties, were considered during mitigation planning. However, repetitive loss structures are not listed on the critical facilities table due to the inability to determine content and function values or displacement costs as needed. This information is presented in Section (c)(2)(iii).

### **Critical Facilities within Hazard Areas**

A list of critical facilities within the hazard area was compiled to identify at risk areas. As with critical facilities in the parish, the definition of the hazard area was based on risk assessment determined as a function of past storm events in combination with the FEMA-based 100-year flood plain. All facilities within these areas are identified in a second critical facilities list as seen in Attachment c2-24 (pages 101-102) at the end of this section.

### **Worksheet #4**

Using the aforementioned critical facilities list, HAZUS replacement value data, GIS models, and input from the HMPU committee members, FEMA Worksheet #4 loss estimates were compiled (as presented in attachments c2-25 and c2-26) for hypothetical levee failure and hurricane flood events.

Using historical high water flood marks, the respective areas were inundated and the critical facilities flood levels noted. The flood levels were then compared to FEMA

damage estimate models for structure percent damaged, contents loss, and function loss, to come up with a total loss estimate for the parish critical facilities in each event.

The total estimated losses are \$4,148,526,664 for the composite risk area and \$11,914,627,119 for levee failure. Total estimates losses for hurricane are \$4,182,073,262. Detailed cost estimates for each critical facility in the composite risk area and levee failure scenarios can be found in Attachments c2-25 (pages 103 and 104) and c2-26 (pages 105 and 106), respectively.

**4.2.5 §201.6 (c)(2)(ii)(B) *An estimate of the potential dollar losses to vulnerable structures identified in paragraph (c)(2)(i)(a) of this section and a description of the methodology used to prepare the estimate***

The HMPU planning team used GIS software, HAZUS, interviews with parish officials, and historical data to estimate the potential dollar losses if the parish was to experience a flooding event and/or levee failure. The vulnerable structures and facilities were identified earlier in section 201.6 (c)(2)(ii)(A). 67 repetitive loss structures exist within St. Martin Parish, and nine of these are on the national FEMA target list as a severe repetitive loss structure. As noted previously, all FEMA repetitive loss data was provided by GOHSEP and FEMA Region VI.

The repetitive loss structures map is displayed in Attachment c2-19 (page 73). It should be noted that only those structures that could be mapped with available GIS files were included. Repetitive loss structures are also depicted on all risk assessment maps (Attachments c2-20 through c2-20.7). Supporting data was gathered from GOSHEP. The parish used the guidelines in the FEMA document *Understanding Your Risks: Identifying Hazards and Estimating Losses* to develop a cost estimate for damages to critical facilities. Information such as function loss, displacement days, function use, and capacity do not apply to residential properties. Therefore, the FEMA average claimed loss value was used in estimating losses for residential structures. The estimated costs are as follows:

**Potential Flood Losses:**

- **FEMA repetitive loss structures (Residential and Commercial Properties):** 180 total losses with a total average insurance pay of \$9,471 per claim. Nine of the 67 structures are on the severe repetitive loss list.

**National Flood Insurance Program and Community Rating System Participation**

St. Martin Parish and all of the incorporated municipalities currently participate in the National Flood Insurance Program (NFIP). The table below provides details regarding NFIP participation. Neither the Parish nor any of the municipalities participate in the Community Rating System.

## NFIP Participation in St. Martin Parish

CID	Community Name	Initial FHBM Identified	Initial FIRM Identified	Current Effective Map Date	Reg-Emer Date	Tribal
220166	Arnaudville, Town of	11/23/73	11/01/85	11/04/10(M)	11/01/85	No
220180	Breaux Bridge, Town of	12/28/73	03/16/88	11/04/10	03/16/88	No
220189	Henderson, Town of	06/07/74	05/03/82	11/04/10	05/03/82	No
220190	Parks, Village of	01/18/74	07/16/80	11/04/10	07/16/80	No
220178	St. Martin Parish	12/24/74	05/03/82	11/04/10	05/03/82	No
220191	St. Martinville, City of	10/05/73	12/16/80	11/04/10	12/16/80	No

*This information was obtained from FEMA's Community Status Book – [www.fema.gov/cis/LA.html](http://www.fema.gov/cis/LA.html)*

### ***4.2.6 §201.6 (c)(2)(ii)(C) Providing a general description of land uses and development trends within the community so that mitigation options can be considered in future land use decisions***

A detailed description of land use data is provided in the first section of this report in the section entitled “Introduction.” Physical and cultural aspects of the parish including land use, drainage basins, and the economy were noted. The text below focuses on future land use and its bearing on this HMPU.

According to the U.S. Census Bureau, the population of St. Martin Parish in 2000 was 48,583. The 2010 Census records the St. Martin population at 52,160, which is a seven percent population increase since 2000, with growth expected to continue. With this in mind, it is anticipated that with a projected rise in residential growth will come an increased demand for recreational opportunities, business growth, and economic diversity. The population centers include the six municipalities and smaller community areas such as Cade, Catahoula, and Coteau Holmes. As noted in the introductory section of this HMPU, most of the communities in Upper St. Martin Parish are located on the highest land in the parish along the Bayou Teche ridge and the Coteau Ridge, areas that are not flood prone. However, as more impervious surfaces are constructed, runoff rates will increase and drainage capacity will need to be managed in order to accommodate growth and drainage patterns in these areas. Residential growth in the Stephenville area of Lower St. Martin Parish has incorporated berms and small localized subdivision pumping stations to control flooding.

All new construction in this and other developments will conform to both the International Building Code requirements adopted by the state in 2006, and the flood zone ordinance of the jurisdiction: Code of Ordinances for St. Martin Parish, Article II. Flood Damage Prevention, Division 1 to 6.

Other urban land use has shown little growth in the past two decades. Therefore, little by way of mitigation options is necessary. Nonetheless, based upon the past several decades

of parish development and the management of that development, the St. Martin Parish Government is very much aware of state and federal mandates regarding flood zone management.

**4.2.7 §201.6 (c)(2)(iii) For multi-jurisdictional plans, the risk assessment section must assess each jurisdiction's risks where they vary from the risks facing the entire planning area**

To ensure parish wide coverage of hazard planning, each municipality of the parish participated in St. Martin Parish's HMPU. As noted previously, elected officials, representatives of pertinent public works departments, and representatives of the general public from each community participated in the planning process.

As noted previously, the parish encompasses six incorporated municipalities: Arnaudville, Henderson, Breaux Bridge, Parks, Broussard, and St. Martinville. Each town or city includes its own independent governing authority by way of elected officials including a mayor and city council. The risk assessment included each municipality as well as all unincorporated communities of the parish. Information provided below focuses on those communities. Similar to the parish plan, the communities are subjected to the same type of hazards as identified heretofore.

**Arnaudville**

Arnaudville is situated across two parishes - Upper St. Martin and St. Landry Parishes. The southern portion of Arnaudville is located in Upper St. Martin Parish and is vulnerable to backwater flooding along the Coteau Rodaire Highway north of I-10. This area of highway in Arnaudville is also the location of four repetitive loss structures.

**Henderson**

Flood prone areas in Henderson are located along the West Atchafalaya Guide Levee just south of I-10 and near the Gran Anse area north of I-10 and are vulnerable to both riverine and backwater flooding. Drainage waters flowing south from Henderson and through the Catahoula Lake area often are restricted by sedimentation that has built up in the surrounding bayous and the lake itself and thereby is causing backwater flooding. The I-10 exit at Henderson also floods regularly with rainfall events that close down the exit; the drainage capacity for storm water runoff at this exit is insufficient. Henderson has three repetitive loss structures.

**Breaux Bridge**

The southernmost reaches of Breaux Bridge are affected by backwater flooding along smaller bayous due to reduced drainage capacity through Catahoula Lake as explained in the previous paragraph for the Henderson area. Eighteen repetitive loss structures exist within the city limits of Breaux Bridge.

**Parks and Broussard**

Parks and Broussard are the least vulnerable of the parish municipalities as they are located central to the Bayou Teche Ridge and the higher elevation prairie lands,

respectively. Only the very eastern and western boundaries of Parks lie within the 500-year flood plain, and only the very eastern edges of Broussard lie within the 100-year floodplain. There are three repetitive loss structures in Broussard.

### **St. Martinville**

St. Martinville is similar to Parks in terms of its vulnerability, which is very low because of its location to the Bayou Teche Ridge. However, the east and west peripherals of St. Martinville are within the 500-year flood plain and have experienced occasional backwater flooding during heavy rain events. Twelve repetitive loss structures exist in St. Martinville.

### **Unincorporated Area in Upper St. Martin Parish**

A significant portion of the unincorporated areas of St. Martin Parish are located within the Atchafalaya Spillway Basin levee system and are uninhabited. The inhabited areas of upper St. Martin Parish are largely associated with each of the previously described municipalities located along the Bayou Teche and Coteau ridges. The unincorporated areas located in upper St. Martin Parish are prone to backwater and riverine flooding and have experienced significant flooding in each of the previously described historical extreme hazard events.

### **Unincorporated Area in Lower St. Martin Parish**

The majority of lower St. Martin Parish is located within the Atchafalaya Spillway Basin levee system and is uninhabited. One community is located in lower St. Martin Parish—Stephensville. This community is highly vulnerable to both riverine and backwater flooding. All of Lower St. Martin Parish lies within the 100-year floodplain and was inundated during each of the parish's extreme storm events identified in previous sections. No repetitive loss structures exist in Stephensville and they are located along Stephensville Road and Landry Lane.

Due to the geographic features of St. Martin Parish, the risk associated with each type of hazard event differs based on any given locale within the parish. To assess the varying levels of risk, a summary table is provided below to establish the various levels of risk across each incorporated and unincorporated area of the parish.

Table 4-4: Multi-Jurisdictional Risk Assessment for Hazard Events in St. Martin

Hazard Event	Area							
	Arnaudville	Henderson	Breaux Bridge	Parks	Broussard	St. Martinville	Unincorporated Upper St. Martin Parish	Unincorporated Lower St. Martin Parish
Avalanche	NR	NR	NR	NR	NR	NR	NR	NR
Coastal Erosion	Low	Low	Low	Low	Low	Low	Low	Low
Coastal (Tropical) Storm	Low	Medium	Low	Medium	Medium	Low	Medium	High
Levee (Dam) Failure	Medium	High	Medium	High	Medium	High	High	High
Drought	Low	Low	Low	Low	Low	Low	Low	Low
Earthquake	NR	NR	NR	NR	NR	NR	NR	NR
Expansive Soil	Medium	Medium	Medium	Medium	Medium	Medium	Medium	Medium
Extreme Heat	Low	Low	Low	Low	Low	Low	Low	Low
Flood	Medium	High	Medium	Low	Low	Medium	High	High
Hail Storm	Low	Low	Low	Low	Low	Low	Low	Low
Hurricane	High	High	High	High	High	High	High	High
Land Subsidence	Low	Medium	Low	Low	Low	Low	Medium	Medium
Landslide	NR	NR	NR	NR	NR	NR	NR	NR
Saltwater Intrusion	Low	Low	Low	Low	Low	Low	Low	Low
Severe Winter Storm	Low	Low	Low	Low	Low	Low	Low	Low
Tornado	Medium	Medium	Medium	Medium	Medium	Medium	Medium	Medium
Tsunami	NR	NR	NR	NR	NR	NR	NR	NR
Volcano	NR	NR	NR	NR	NR	NR	NR	NR
Wildfire	NR	NR	NR	NR	NR	NR	NR	NR

As previously established in Section 201.6(c) (2) (ii) of this HMPU, flooding associated with various storm events (hurricanes and tropical storms) represent a major risk for the entire planning area. The effects of historical storm events and the 100-year flood plain have been combined to create a composite risk map. Several versions of the map were created to provide sufficient detail and illustrate what areas of the parish are at risk. The maps represent each municipality and the unincorporated areas of St. Martin Parish and are included as Attachments c2-20.1 through c2-20.7.

In addition, various iterations of the previously described Worksheet #3A have been created to provide risk assessments for both flood events, levee failure, and hurricanes within these different areas of the parish. The information presented in the worksheets represents estimates intended to provide a general overview of the number and value of structure types located in each jurisdiction of the parish and the proportion located within the hazard area of each jurisdiction. The following summary represents the information provided in the worksheets. As described earlier in this section, the most conservative (highest risk) data is reported in the summary table. For additional detail, refer to the worksheets included as Attachments c2-22 through c2-22.7.

Table 4-5: Multi-jurisdictional Summary of Worksheet #3A for St. Martin Parish

Hazard Event	Area						
	Arnaudville	Henderson	Break Bridge	Parks	Broussard	St. Martinville	Unincorporated St. Martin Parish
Total Structures	46	699	3,203	299	178	3,381	14,699
Total Value of Structures (millions)	\$5,039,000	\$71,235,000	\$420,841,000	\$34,216,000	\$33,083,000	\$385,113,000	\$1,692,362,000
Structures in Hazard Area	46	699	1,893	190	142	1,307	14,036
Value of Structures in Hazard Area (millions)	\$5,039,000	\$71,235,000	\$258,272,000	\$20,957,000	\$25,882,000	\$156,863,000	\$1,609,805,000
Residential Population of Area	66	1,531	7,671	538	419	7,052	31,306
% of Population in Hazard Area	100%	100%	60%	71%	76%	44%	96%

Preliminary Draft

## 5.0 §201.6 (c)(3) HAZARD MITIGATION STRATEGIES

---

Information presented below provides documentation in conformance with sections (c)(3)(i, ii, iii, and iv) relative to mitigation strategies evaluated for hazards identified in St. Martin Parish, Louisiana.

### 5.1 §201.6 (c)(3)(i) *A description of mitigation goals to reduce or avoid long-term vulnerabilities to the identified hazards.*

The St. Martin Parish HMPU Committee reviewed and analyzed the risk assessment evaluation performed for the parish as well as goals reflective of that risk assessment. Goals and action items that would have the greatest benefit in reducing or eliminating hazard damage to the parish were identified. The evaluation criteria used in determining these goals and action items are as follows:

- *Social* - Is the mitigation strategy socially acceptable?
- *Technical* - Is the proposed action technically feasible and cost effective? Does it provide the appropriate level of protection?
- *Administrative* - Does the parish have the capability to implement the action? Is the lead agency capable of carrying out oversight of the project?
- *Political* - Is the mitigation action politically acceptable?
- *Legal* - Does the parish have the authority to implement the proposed measure?
- *Economic* - Does the economic base, protected growth and opportunity costs justify the mitigation project?
- *Environmental* - Does the proposed action meet statutory considerations and public desire for sustainable and environmentally healthy communities?

The goals developed to reduce or avoid long-term vulnerabilities to the identified hazards are listed below:

**Goal 1:** Eliminate the threat of catastrophic flood loss and mitigate all repetitive loss properties

**Goal 2:** Facilitate future development to reduce or eliminate potential impacts of disasters

**Goal 3:** Minimize property damage and injuries resulting from high winds (hurricane, tornado, wind storms, etc)

#### **Goal 4: Enhance public awareness**

Action Items from the previous Hazard Mitigation Plans (2005 and 2010) were also reviewed and have been identified as being completed, ongoing, carried over, projects ranked, projects scoped, and/or HMGP Ineligible. See Table in following section.

**5.2 §201.6 (c)(3)(ii) *The mitigation strategy shall include a section that identifies and analyzes a comprehensive range of specific mitigation actions and projects being considered to reduce the effects of each hazard, with particular emphasis on new and existing buildings and infrastructure.***

The St. Martin Parish Hazard Mitigation Plan Update Committee identified several projects that would reduce and/or prevent future damage from naturally occurring hazard events. This coordinated effort, which included the planning committee, the consultant team, and other engineering representatives, was accomplished with frequent and open communications including committee meetings, telephone conversations, emails, and face-to-face meetings.

The projects and resulting action items relate to community goals which are presented immediately following the Project List attachment. Projects were initially filtered to only include those projects that were eligible under FEMA's HMG program and those of the highest local priority. However, to ensure a comprehensive list of mitigation projects, non-HMPG eligible projects and those from the original hazard mitigation plan (2005) and the first update (2010) are included with status updates.

The established and agreed upon objectives and actions relative to the established goals are as follows:

- **Goal 1: Eliminate the threat of catastrophic flood loss and mitigate all repetitive flood properties**
  - **Objective 1.1:** Eliminate sewer system outages during flood events
    - Action 1.1.1: Upgrade lower St. Martin sewer system by elevating manholes and lift stations*
      - Timeframe: 1-5 years
      - Funding: HMGP
      - Staff: Existing designated full-time personnel in public works department
    - Action 1.1.2: Upgrade St. Martinville Sewer Pond Berm*
      - Timeframe: 1-5 years
      - Funding: HMGP

- Staff: Existing designated full-time personnel in municipal public works department
- **Objective 1.2:** Eliminate threat of flood damage to all municipalities and the unincorporated area of St. Martin Parish
- Action 1.2.1: Upgrade current drainage infrastructure (see Attachment c3-1 for locations) in Arnaudville, Broussard, Parks, St. Martinville, Henderson, Breaux Bridge, and the unincorporated areas of St. Martin Parish*
- Timeframe: 1-5 years
  - Funding: HMGP
  - Staff: Existing designated full-time personnel in public works department and municipalities
- Action 1.2.2: Construct new flood control structures (see Attachment c3-1 for locations)*
- Timeframe: 1-10 years
  - Funding: local, regional, federal
  - Staff: Existing Parish administration
- Action 1.2.3: Elevate, acquire, or pilot reconstruct all RL and SRL structures in St. Martin Parish*
- Timeframe: 1-5 years, as funding permits
  - Funding: HMGP
  - Staff: Existing Municipal and Parish administration
- Action 1.2.4: Elevate equipment that is vulnerable to flood damage (see Attachment c3-1 for locations)*
- Timeframe: 1-5 years, as funding permits
  - Funding: HMGP
  - Staff: Existing municipal and parish administration
- Action 1.2.5: Flood proof all public buildings vulnerable to flood damage (see Attachment c3-1 for locations) in Arnaudville, Broussard, Parks, St. Martinville, Henderson, Breaux Bridge, and the unincorporated areas of St. Martin Parish*
- Timeframe: 1-5 years, as funding permits
  - Funding: HMGP
  - Staff: Existing municipal and parish administration
- Action 1.2.6: Install warning siren to indicate imminent levee breach*
- Timeframe: 1-5 years, as funding permits
  - Funding: HMGP
  - Staff: Existing municipal and parish administration
- **Objective 1.3:** Minimize threat of levee failure to all municipalities and the unincorporated area of St. Martin Parish
- Action 1.3.1: Ensure levees are properly maintained*
- Timeframe: Ongoing
  - Funding: No additional funding needed

- Staff: Atchafalaya Basin Levee District Personnel
- Action 1.3.2: Maintain constant working relationship with the USACE to ensure proper maintenance procedures are in place and followed*
- Timeframe: Ongoing
- Funding: No additional funding needed
- Staff: Existing Parish administration

▪ **Goal 2: Facilitate future development to reduce or eliminate potential impacts of disasters**

- **Objective 2.1:** Enforce local Floodplain ordinance and amend other parish land use ordinances to make them more effective in the reduction of future losses

*Action 2.1.1: Recommend to the Parish council that it discontinue the granting of “variances” in connection with the issuance of building permits*

- Timeframe: Ongoing
- Funding: No additional funds required
- Staff: Existing Parish administration

*Action 2.1.2: Recommend flood reduction amendments to the “zoning regulations,” “subdivision regulations,” and “permitting regulations” such as furnishing a detailed drainage survey of the property to be developed and requiring that retention ponds be built in certain areas*

- Timeframe: Ongoing
- Funding: No additional funds required
- Staff: Existing Parish Floodplain Manager

- **Objective 2.2:** Promote and permit commercial and industrial development, including public critical facilities, outside of hazard areas to limit business interruption, property damage, and impairment to critical facilities in strict accordance with the parish zoning, flood management, and other applicable state and federal regulations.

*Action 2.2.1: Ensure that future development does not increase hazard losses in Arnaudville, Broussard, Parks, St. Martinville, Henderson, Breaux Bridge, and the unincorporated areas of St. Martin Parish*

- Timeframe: Ongoing
- Funding: No additional funds required
- Staff: One full-time member of each municipality and the parish planning department

*Action 2.2.2: Guide future development away from hazard areas while maintaining other parish goals such as economic development and improving the quality of life in Arnaudville, Broussard, Parks, St. Martinville, Henderson, Breaux Bridge, and the unincorporated areas of St. Martin Parish*

- Timeframe: Ongoing
- Funding: No additional funds required

- Staff: One full-time member of the parish planning department and each municipality
- Action 2.2.3: Enforce the International Building Code requirements for all new construction to strengthen buildings against high wind damage*
- Timeframe: Ongoing
  - Funding: Not additional funds required
  - Staff: One current full-time member of the parish administration and each municipality
- **Objective 2.3:** Promote preservation and/or conservation of flood prone areas for parish parks, recreation areas, and general flood plain management
- Action 2.3.1: Participate in existing programs at the state and federal levels oriented to environmental enhancement and conservation*
- Timeframe: Ongoing
  - Funding: local, regional, and federal
  - Staff: One current full-time member of the parish
- Action 2.3.2: Continue to participate in the NFIP (St. Martin Parish, Arnaudville, Henderson, Breaux Bridge, Parks, Broussard, and St. Martinville)*
- Timeframe: Ongoing
  - Funding: No additional funds required
  - Staff: Municipal and Parish administrative staff
- Action 2.3.3: Establish a public outreach campaign to ensure all homeowners in floodplains are aware of the various types of coverage options under the NFIP*
- Timeframe: Ongoing
  - Funding: No additional funds required
  - Staff: Parish and municipal administrative staff
- Action 2.3.4: Establish homeowner education program on flood mitigation measures*
- Timeframe: Ongoing
  - Funding: No additional funds required
  - Staff: Parish and municipal administrative staff
- **Goal 3: Minimize property damage and injuries resulting from high winds (hurricane, tornado, wind storms, etc)**
- **Objective 3.1:** Ensure existing parish and municipal structures are structurally sound to endure hurricane-force winds
- Action 3.1.1: Wind harden municipal and parish structures (see Attachment c3-1 for locations) in Arnaudville, Broussard, Parks, St. Martinville, Henderson, Breaux Bridge, and the unincorporated areas of St. Martin Parish*
- Timeframe: 1-5 years, as funding permits

- Funding: HMGP, local, regional, and federal
- Staff: Existing parish and municipal administration
- Action 3.1.2:** *Purchase generators for municipal and parish structures (see Attachment c3-1 for locations) to ensure operation during and after a hazard event*
  - Timeframe: 1-5 years, as funding permits
  - Funding: HMGP, local, regional, and federal
  - Staff: Existing parish and municipal administration
- **Objective 3.2:** Ensure existing parish and municipal structures are structurally sound to endure hurricane-force winds
  - Action 3.2.1:** *Construct safe rooms at parish and municipal buildings (see Attachment c3-1 for locations) in Arnaudville, Broussard, Parks, St. Martinville, Henderson, Breaux Bridge, and the unincorporated areas of St. Martin Parish*
    - Timeframe: 1-5 years, as funding permits
    - Funding: HMGP, local, regional, and federal
    - Staff: Existing parish and municipal administration
  - Action 3.2.2:** *Install a hazard early warning system*
    - Timeframe: 1-5 years, as funding permits
    - Funding: HMGP, local, regional, and federal
    - Staff: Existing parish administration
  - Action 3.2.3:** *Build and maintain hurricane shelters*
    - Timeframe: 1-5 years, as funding permits
    - Funding: HMGP, local, regional, and federal
    - Staff: Existing parish and municipal administration
- **Goal 4: Enhance public awareness**
  - **Objective 4.1:** Increase public awareness of hazard areas and educate the public on mitigation
    - Action 4.1.1:** *Continue to advertise public meetings during the hazard mitigation planning process*
      - Timeframe: 3-5 years
      - Funding: HMGP
      - Staff: Parish administrative staff
    - Action 4.1.2:** *Develop and distribute brochures to all public buildings including mitigation and preparedness tips for floods, hurricanes, coastal/tropical storms, levee failure, and tornadoes*
      - Timeframe: 1-5 years, as funding permits
      - Funding: local, regional, and federal
      - Staff: Parish administrative staff

### 2015 HMPU Project List

The 2015 HMPU project list was revised to include four additional projects presented in Attachment c3-1 (pages 107-109).

A listing of projects that are ongoing, funded, completed, or obsolete is provided in the table below, followed by a method of prioritization for remaining projects on the official project list. Obsolete projects denote those that have been removed from the project list and are no longer needed.

<b>St. Martin Parish HMPU Ongoing or Completed Projects</b>		
	<b>Project Description</b>	<b>Status</b>
<b>1</b>	Implement Structural Techniques and Drainage Projects	Ongoing
<b>2</b>	Improve on Parish Infrastructure	Ongoing
<b>3</b>	Structural Improvements to All Public Buildings (Wind Hardening)	Funded
<b>4</b>	Wind Hardening -- St. Martin Parish Juvenile Detention Center	Obsolete
<b>5</b>	Wind Hardening -- Breaux Bridge Water Plant Warehouse	Funded
<b>6</b>	Wind Hardening -- St. Martinville Police Department	Funded
<b>7</b>	Wind Hardening -- St. Martin Hospital	Funded
<b>8</b>	Wind Hardening -- Breaux Bridge Water Plant	Complete
<b>9</b>	Wind Hardening -- Breaux Bridge City Hall/Police Station	Ongoing
<b>10</b>	Wind Hardening -- St Martin Water and Sewer District	Funded
<b>11</b>	Wind Hardening -- St Martin Parish Sheriff Substation	Obsolete
<b>12</b>	Wind Hardening -- St Martin Parish Law Enforcement Center	Funded
<b>13</b>	Wind Hardening -- Henderson City Hall	Funded
<b>14</b>	Wind Hardening -- St. Martinville Nursing Home	Obsolete
<b>15</b>	St. Martin Parish -- Stephenville Mitigation Project	Funded
<b>16</b>	St. Martin Parish -- OEP Safe Room	Funded
<b>17</b>	Wind Hardening -- Breaux Bridge Health Unit	Obsolete
<b>18</b>	Wind Hardening -- Cecilia Health Unit	Obsolete
<b>19</b>	St. Martin Parish Drainage Improvement – Upgrade Culvert at Breaux Bridge Manor	Funded
<b>20</b>	Wind Hardening -- St. Martin School Board Business Office and Tax Collector	Obsolete
<b>21</b>	Wind Hardening -- St. Martin Parish Hospital	Completed
<b>22</b>	St. Martin Parish -- Stephenville Substation Safe Room (Phase I)	Funded
<b>23</b>	Address all other Repetitive Loss Structures	Ongoing
<b>25</b>	Wind Hardening -- Breaux Bridge Water Plant Warehouse	Ongoing
<b>26</b>	Wind Hardening -- Breaux Bridge City Hall/ Police Station	Ongoing
<b>27</b>	Wind Hardening -- Henderson City Hall	Ongoing
<b>28</b>	Wind Hardening -- St. Martin Parish Water & Sewer District (Lower St. Martin)	Ongoing

29	Wind Hardening -- St. Martin Parish Law Enforcement Center	Ongoing
30	Wind Hardening -- St. Martinville Police Station	Ongoing
31	Safe Room -- OEP Safe room	Ongoing
32	Drainage Improvement -- Breaux Bridge Manor	Ongoing
33	Drainage Improvements -- Stephenville Pump Station Elevation and Upgrade, Upgrade Culverts, Flood Control Structure Improvement, Safe Room	Ongoing
34	Elevator Generator -- St. Agnes Nursing Home	Completed
35	Elevate Generator, Auto Switch -- Courthouse (St. Martinville)	Completed
36	Floodproofing -- St. Martin School Board Business Office (111 Courville St, Breaux Bridge, LA)	Moved to Reed Street
37	Generator -- Annex	Completed
38	Generator -- Breaux Bridge City Hall	Completed
39	Generator -- Courthouse	Completed
40	Generator -- Henderson City Hall	Completed
41	Generator -- Henderson VFD (Main)	Storage
42	Generator -- School Board	Completed
43	Generator -- St. Martinville City Hall	Completed
44	Generator -- Stephenville Pump Station Switch	Completed
45	Generator -- Stephenville VFD	Completed
46	Wind Hardening -- New Parks City Hall	No City Hall
47	Wind Hardening -- Sheriff's Substation (Stephenville)	Completed

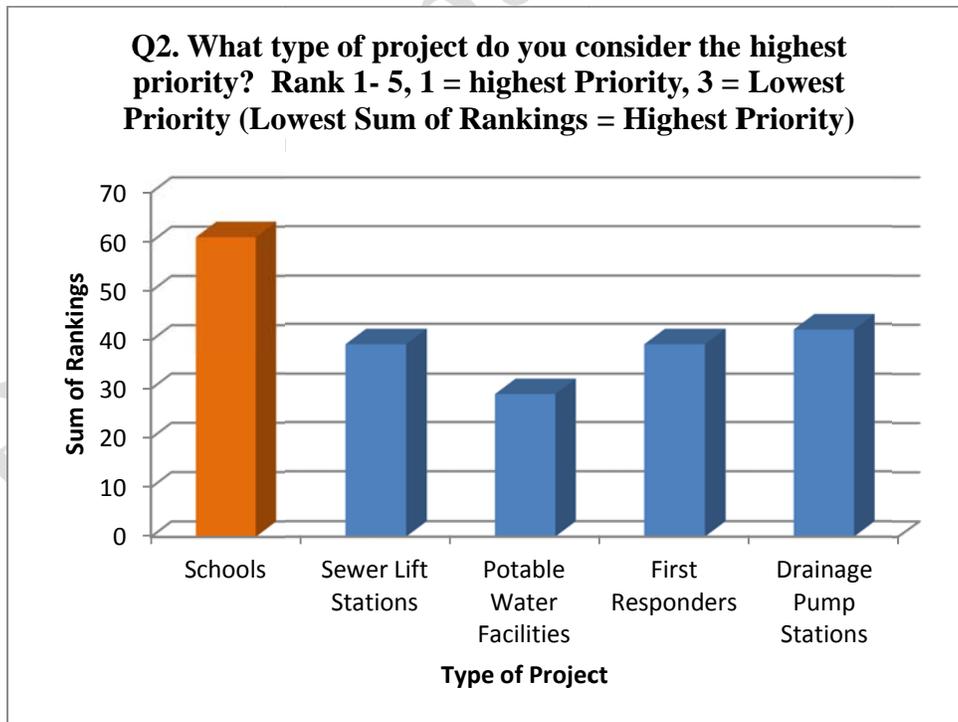
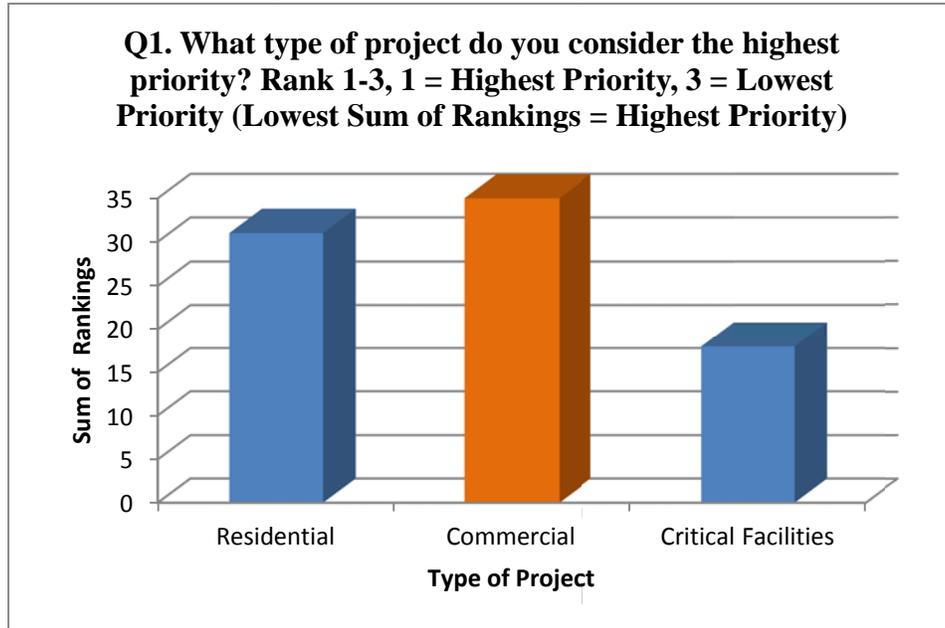
### **Prioritization**

The parish's mitigation consultants, CB&I, assisted the HMPU Committee in reviewing and evaluating the potential project list. Consideration was given to a variety of factors including a project's eligibility for federal mitigation grants and its ability to be funded. This process required evaluation of each project's engineering feasibility, cost effectiveness, and environmental and cultural factors.

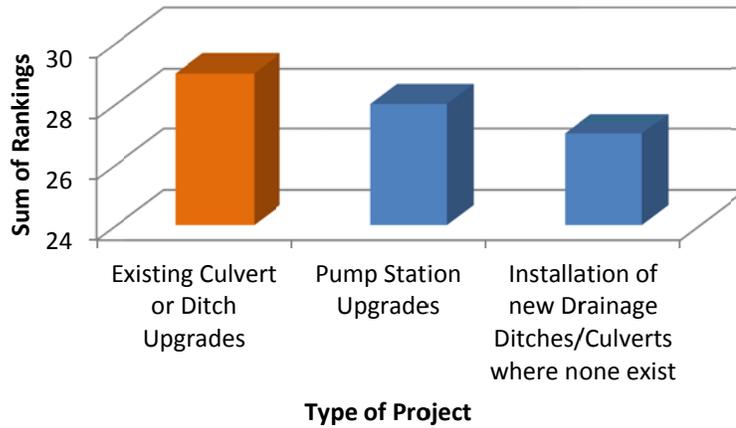
The STAPLEE method was recommended by GOHSEP and was incorporated by the HMPU Committee to evaluate and eventually prioritize the projects. The Committee reviewed each project's eligibility with each of the following STAPLEE criteria: Social, Technological, Administrative, Political, Legal, Economic and Environmental. Prior to ranking each project, CB&I led the committee in a detailed review of the STAPLEE criteria and ranking factors to ensure consistent understanding and fair use of the evaluation standards by committee members. STAPLEE criteria were then used one by one as the central topic to discuss and evaluate each project in detail. For numerous reasons, the STAPLEE ranking criteria did not effectively prioritize the St. Martin Parish Project list.

At Meeting No. 3, a series of questions regarding project prioritization were posed to committee members. Tables on the following pages show the HMPU committee's

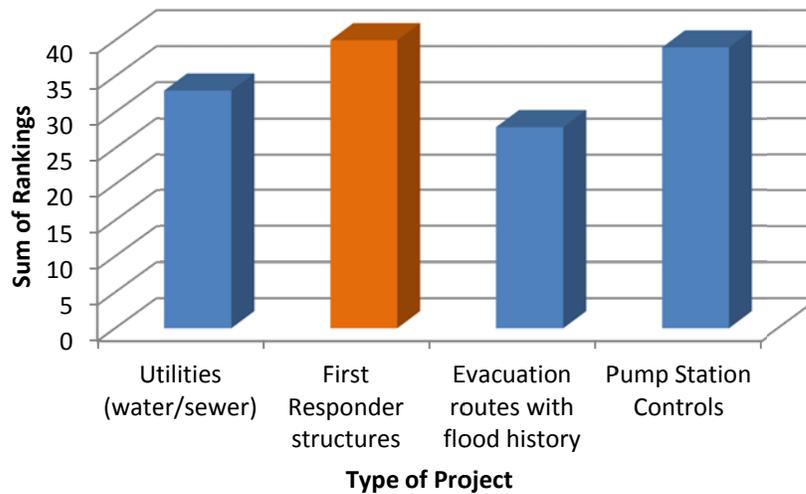
priorities according to project category. As the data shows, projects related to critical facilities, potable water facilities, the installation of new drainage ditches/culverts where none currently exist, evacuation routes with flood history, utilities, and residential properties are the highest priorities for implementation in St. Martin Parish. Project categories with the highest prioritization are denoted in orange.



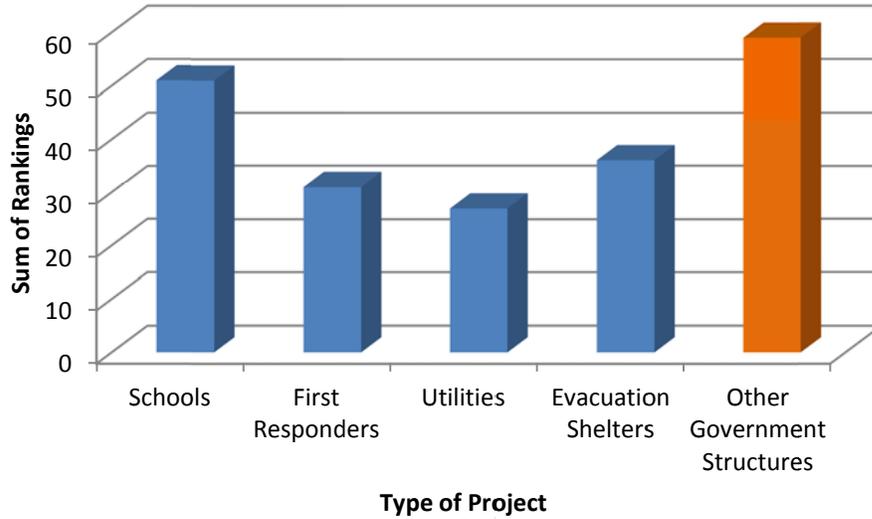
**Q3. What type of drainage improvement do you think should be the highest priority? Rank 1-3, 1= Highest Priority, 3 = Lowest Priority (Lowest Sum of Rankings = Highest Priority)**



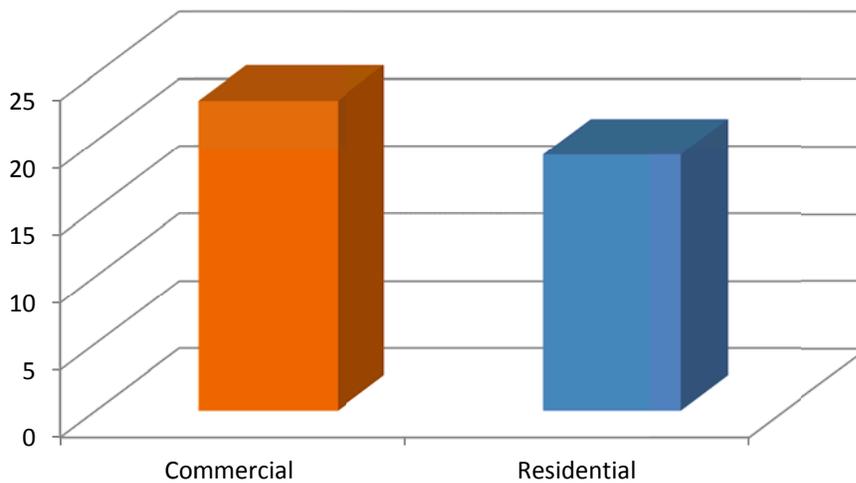
**Q4. What type of critical facility elevation do you think should be the top priority? rank 1-4, 1=Highest Priority, 4=Lowest Priority (Lowest Sum of Rankings = Highest Priority)**



**Q5. What type of wind hardening project do you think should be the the top priority? Rank 1-5, 1 = highest Priority, 5 = Lowest Priority  
(Lowest Sum of Rankings = Highest Priority)**



**Q6. What tyoe of Repetitive Loss Structure would be the highest priority to elevate? Rank 1-2, 1 = Highest Priority, 2 = Lowest Priority  
(Lowest Sum of Rankings = Highest Priority)**



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

As in Attachment c3-1, each municipality (Arnaudville, Henderson, Breaux Bridge, Parks, Broussard, and St. Martinville) has at least one project within the city limits. The list of projects above also includes the unincorporated areas of the parish, thereby covering every government authority (unincorporated and municipal) within the parish boundaries.

*5.3 §201.6 (c)(3)(iii) ...shall include an action plan describing how the actions identified in section (c)(3)(ii) will be prioritized, implemented, and administered by the local jurisdiction. Prioritization shall include a special emphasis on the extent to which benefits are maximized according to a cost benefit review of the proposed projects and their associated costs.*

All the unshaded projects within the 2015 HMPU Project List are eligible for HMGP funding. The project list reviewed for prioritization also included consideration of repetitive loss (RL) and severe repetitive loss (SRL) properties in the parish.

**Implementation**

Upon approval of the Hazard Mitigation Plan by state and federal authorities, parish officials will meet with each of the respective governmental units regarding planning and implementation of the respective projects when funds become available. The parish will then initiate activities required to implement the projects.

On parishwide projects the Planning and Zoning Director and OHSEP Director will meet with appropriate staff to ensure conformance to the plan requirements.

**Administration**

As noted, the administration of said projects is the responsibility of the Parish and municipalities and permitting matters as they relate to the siting of structures in flood-prone areas will continue to be administered by the parish government. Public awareness of all of the above initiatives will also be facilitated by the parish government.

## 6.0 §201.6 (c)(4) PLAN MAINTENANCE PROCEDURES

---

### **A plan maintenance process that includes:**

#### **6.1 §201.6 (c)(4)(i) A section describing the method and schedule of monitoring, evaluating, and updating the mitigation plan within a five-year cycle.**

St. Martin Parish has developed a plan maintenance process to ensure that regular review and update of the Hazard Mitigation Plan occurs. The parish has formed a Hazard Mitigation Plan Evaluation Committee that consists of select members from municipalities, local agencies, and the Hazard Mitigation Plan Update Committee, which was responsible for preparing the HMPU as included herewith. The HMP Evaluation Committee consists of the following representation:

1. St. Martin Parish President
2. St. Martin Parish Director of Administration
3. St. Martin Parish Director of Public Works
4. St. Martin Parish Assistant OEP Director (responsible for overall coordination of HMP maintenance activities)
5. St. Martin Parish Planning and Zoning Director
6. Mayors of each of the five municipalities or their representatives

The Assistant OEP Director is responsible for contacting HMP Evaluation Committee members in January on an annual basis. Members have a one-month period in which to respond to or initiate a meeting if any one member feels that issues need to be addressed. However, should a hazard event occur and the need for update analysis surface, a meeting can be called by the Assistant OEP Director or requested by a committee member through them.

The Assistant OEP Director is also responsible for maintaining plan review comments. Members of the evaluation committee will monitor the plan on an ongoing basis using phone calls and emails to contact those responsible for implementing the plan's action items and bring the project status reports to the yearly evaluation meetings. Ideas to be discussed will include, but are not limited to, the following:

- Does the committee membership need to be updated?
- Have new hazard events occurred?
- Has new funding been allotted?
- Have projects been implemented?
- Have project priorities changed?
- Are there new projects to discuss?

In addition to the yearly evaluations, the questions listed above and additional considerations will be made during the formal update process to be completed and

approved by FEMA within a five-year cycle. Updates to the Hazard Mitigation Plan will be made fully utilizing the representation of the HMP committee formed for this purpose. The Assistant OEP Director is also responsible for monitoring the progress of the action items and will report the status of the projects to the HMP Evaluation Committee yearly.

**6.2 §201.6 (c)(4)(ii) A process by which local governments incorporate the requirements of the mitigation plan into other planning mechanisms such as comprehensive or capital improvement plans, when appropriate**

Members of parish departments who interact on planning issues, such as the Parish President, Parish Planning and Zoning Coordinator, the Director of Public Works, the Parish OEP Director, and the Sheriff will review the relevance of the HMP's risks and vulnerabilities identified. They will also review the goals, objectives, and actions for mitigating the risks, and catalogue all said information for use in future HMP updates as well as other local planning mechanisms.

When appropriate, Parish Government, by way of the individuals who served on the HMPU Committee and the HMP Evaluation Committee, will address the need to incorporate requirements of the mitigation plan into the respective zoning ordinances, comprehensive plans, and/or capital improvement plans if deemed necessary and if not previously included. An effort will be made by all HMPU committee members to ensure consistency in all future planning efforts with the mitigation goals and risk assessment presented in this plan. Consistency between all planning efforts will ensure a decrease in losses related to hazard events within future and existing developments.

If amendments to existing ordinances or new ordinances are required, the Parish Council will be responsible for its respective updates.

**6.3 §201.6 (c)(4)(iii) Discussion on how the community will continue public participation in the plan maintenance process**

The Assistant OEP Director is responsible for coordinating continued public participation. Copies of the plan will be kept on file at the parish government office. Contained in the plan and presented in section (c)(4)(i) is a list members of the plan evaluation committee that can be contacted. In addition, copies of the plan and proposed changes will be posted on the parish government website. This website will also have an e-mail address and phone numbers to which the public can direct their comments or concerns. The local newspaper will also be notified if HMP issues arise.

**Attachment c1-1**  
**St. Martin Parish Hazard Mitigation Plan Update Committee**

Name	Title	Agency
Dave Smith		Acadiana Chapter of American Red Cross
Michelle Brignac	Coordinator	Animal Control
Kathy Richard	Mayor	Arnaudville
Richard B. Mizzi	Chief of Police	Arnaudville
Jack "Dale" Delhomme	Mayor	Breaux Bridge
PJ Hebert	Chief of Police	Breaux Bridge
Randy "Crip" Cormier	Public Works Director	Breaux Bridge
Tina Begnaud	Director	Breaux Bridge Chamber of Commerce
Charles Langlinais	Mayor	Broussard
Brannon Decou	Chief of Police	Broussard
Stacey Savoy, RN	Registered Nurse	Health Unit
Sherbin Collette	Mayor	Henderson
Leroy Guidry	Chief of Police	Henderson
Mike Comb		Louisiana Sugar Cane Cooperative
Terry Guidry	OEP Director	St. Martin Parish
John Dugas	Mayor	Parks
Ronald Solaire	Chief of Police	Parks
Ronald Theriot	Sheriff	St. Martin Parish
Heath Babineaux	Planning and Zoning Coordinator	St. Martin Parish
Guy Cormier	Parish President	St. Martin Parish
Stacey Blanchard	Assistant Director OEPHS	St. Martin Parish
Carroll Delahoussaye	Council Member	St. Martin Parish
Lisa Nelson	Council Member	St. Martin Parish
Jason Willis	Council Member	St. Martin Parish
Neil Thibodeaux	Council Member	St. Martin Parish
Clay Courville	Council Member	St. Martin Parish
Jill Hebert	Council Member	St. Martin Parish
Craig Gregory	Council Member	St. Martin Parish
Meko Robin	Council Member	St. Martin Parish
Dean Dore'	Council Member	St. Martin Parish
Fabian Tucker	Director of Administration	St. Martin Parish
Sean Hundley	Finance Director	St. Martin Parish
Lawrence Patin	Tax Assessor	St. Martin Parish
Beth Guidry	SMEDA Executive Director	St. Martin Parish
Mike Hefner	GIS	St. Martin Parish
Brian Castille	Fire District Director/Coordinator	St. Martin Parish
Kory Latiolais	911 Executive Director	St. Martin Parish
Katie Hebert	Hospital Administrator	St. Martin Parish
Stuart Gauthier	County Agent	St. Martin Parish
Mike Huval	State Representative	St. Martin Parish
Ricky Melancon	Waterworks District #4	St. Martin Parish
Roland Kerlegan	Waterworks District #3	St. Martin Parish
Richard "Todd" Dugas	Hospital District #1	St. Martin Parish
Lottie Beebe	Superintendent	St. Martin School Board
Dona Degatur Richard	Coordinator	St. Martin Tourism Commission
Thomas Nelson	Mayor	St. Martinville
Calder "Pop" Hebert	Chief of Police	St. Martinville
Kirk Lasseigne	Public Works Director	St. Martinville
Marion Melancon	Director	St. Martinville Chamber of Commerce
Camille Blanchard		West Atchafalaya Basin Board
Jimmy Bailey	Board Member	St. Martin Parish Water and Sewer Board

**Attachment c1-2**  
**St. Martin Parish Hazard Mitigation Plan Update Committee Attendance Summary**



# Public Notice

## Meeting Announcement

### St. Martin Parish Hazard Mitigation Plan Update 2015

St. Martin Parish is updating the parish's Hazard Mitigation Plan. The purpose of the plan update is to identify and pursue preventative measures that will reduce future damages from natural hazards. To initialize the plan update, the St. Martin Parish Hazard Mitigation Committee will define the planning process, discuss a participation strategy, and review the existing plan. The public is encouraged to attend this meeting.

**Wednesday, September 10, 2014 at 2:00PM**  
**Fire Training Center**  
**1035-A Ruth Bridge Hwy**  
**Breaux Bridge, LA 70517**

Please direct questions about the meeting to Nicole Cutforth, CB&I, at (225) 987-7373.

9.3.14

**Attachment c1-3.1B  
Meeting 1—Sign-in Sheets**

**St. Martin Parish Hazard Mitigation Plan Update 2015 Committee Meeting #1  
September 10, 2014**

Signature	Last Name	First Name	Title	Agency
	Alexander, Jr.	Cassie	Public Works Director	St. Martin Parish
	Babineaux	Heath	Planning and Zoning Coordinator	St. Martin Parish
	Beebe	Lottie	Superintendent	St. Martin School Board
	Begnaud	Tina	Director	Breaux Bridge Chamber of Commerce
	Blanchard	Camille		West Atchafalaya Basin Board
	Brignac	Michelle	Coordinator	St. Martin Parish Animal Control
	Castille	Brian	Fire District Director	St. Martin Parish
	Collette	Sherbin	Mayor	Henderson
	Comb	Mike		Louisiana Sugar Cane Cooperative
	Cormier	Guy	Parish President	St. Martin Parish
	Cormier	Randy "Crip"	Public Works Director	Breaux Bridge
	Courville	Clay	Council Member	St. Martin Parish
	Decou	Brandon	Chief of Police	Broussard
	Degatune Richard	Dona	Coordinator	St. Martin Tourism Commission
	Delahoussaye	Carroll	Council Member	St. Martin Parish
	Delhomme	Jack "Dale"	Mayor	Breaux Bridge
	Dore	Dean	Council Member	St. Martin Parish
	Dugas	John	Mayor	Parks
	Dugas	Richard "Todd"	Hospital District #1	St. Martin Parish
	Eddy	Stacey	Assistant Director OHSEP	St. Martin Parish
	Gauthier	Stuart	County Agent	St. Martin Parish
	Gregory	Craig	Council Member	St. Martin Parish
	Guidry Thibodeaux	Leroy <i>See notes</i>	Chief of Police	Henderson
	Guidry	Beth	SMEIDA Executive Director	St. Martin Parish
	Guidry	Terry	OHSEP Director	St. Martin Parish
	Hebert	Katie	Hospital Administrator	St. Martin Parish
	Hebert	Jill	Council Member	St. Martin Parish
	Hebert	Calder "Pop"	Chief of Police	St. Martinville
	Hebert	P.J.	Chief of Police	Breaux Bridge
	Hefner	Mike	GIS	St. Martin Parish
	Hundley	Sean	Finance Director	St. Martin Parish

**St. Martin Parish Hazard Mitigation Plan Update 2015 Committee Meeting #1  
September 10, 2014**

Signature	Last Name	First Name	Title	Agency
	Huval	Mike	State Representative	St. Martin Parish
	Kerlegan	Roland	Waterworks District #3	St. Martin Parish
	Langiniais	Charles	Mayor	Broussard
	Lasseigne	Kirk	Public Works Director	St. Martinville
<i>Kory Labeaux</i>	Latiolais	Kory	911 Executive Director	St. Martin Parish
	Melancon	Ricky	Waterworks District #4	St. Martin Parish
	Melancon	Marion	Director	St. Martinville Chamber of Commerce
	Mizzi	Richard	Chief of Police	Arnaudville
	Nelson	Lisa	Council Member	St. Martin Parish
	Nelson	Thomas	Mayor	St. Martinville
	Patin	Lawrence	Tax Assessor	St. Martin Parish
	Richard	Kathy	Mayor	Arnaudville
	Roban	Meko	Council Member	St. Martin Parish
	Savoy, RN	Stacey	Registered Nurse	Health Unit
	Smith	Dave		Acadiana Chapter of American Red Cross
	Solaire	Ronald	Chief of Police	Parks
	Theriot	Ronald	Sheriff	St. Martin Parish
	Thibodeaux	Neil	Council Member	St. Martin Parish
	Tucker	Fabian	Director of Administration	St. Martin Parish
	Willis	Jason	Council Member	St. Martin Parish
	<i>Blayne</i>	<i>Fikadu</i>	<i>Environment/Process Eng.</i>	<i>L.A. SUGAR</i>
	<i>Michael</i>	<i>NEIL</i>	<i>Human Resources Mgr.</i>	<i>L.A. SUGAR</i>
	<i>CARLENE</i>	<i>DANE</i>	<i>SAFETY DIRECTOR</i>	<i>ST MARTIN HOSPITAL</i>
<i>Nick English</i>	<i>Blanchard</i>	<i>Allen</i>	<i>St. Martin Parish School Board Director at Operation</i>	<i>COHSIEP</i>
	<i>English</i>	<i>N. collette</i>	<i>COHSIEP</i>	

**Attachment c1-3.1C  
Meeting 1—Meeting Agenda and Summary Meeting Notes**



**St. Martin Parish  
Minutes of Meeting**



<b>Meeting Subject:</b> St. Martin Parish Hazard Mitigation Plan Update Committee Kick-Off Meeting		<b>Document No.</b> 152867-PM-MM-00001		<b>Rev:</b> 0	
<b>Meeting Date:</b> 10 SEP 2014		<b>CB&amp;I Contract Number:</b> 152867			
<b>Meeting Location:</b> Fire District Training Center		<b>Client Contract Number:</b> N/A			
		<b>iDocs File Number:</b> TBD			
<b>Attendees:</b>					
<b>Name:</b>		<b>Company</b>		<b>Name</b>	
<b>Company</b>		<b>Company</b>			
Heath Babineaux		St. Martin Parish		Nicole Cutforth	
Brian Castille		St. Martin Parish		Fikadu Blyene	
Stuart Gauthier		St. Martin Parish		Neil Melancon	
James Thibodeaux		Henerderson Police Dept.		Dane Carriere	
Terry Guidry		St. Martin Parish		Allen Blanchard	
Kory Latiolais		St. Martin Parish		Nicolette English	
<b>Distribution: All Attendees Plus: N/A</b>					
<b>Name</b>		<b>Company</b>		<b>Name</b>	
<b>Company</b>		<b>Company</b>			
<b>Prepared By:</b> Brooke McChristian		<b>Reviewed By:</b> Nicole Cutforth			
<b>Company:</b> CB&I		<b>Company:</b> CB&I			
<b>Signature:</b>		<b>Signature:</b>			
<b>Date:</b> 09/23/2014		<b>Date:</b> 09/23/2014			



## St. Martin Parish Minutes of Meeting



<b>Meeting Subject:</b>	<b>Document No.</b>	<b>Rev:</b>
<b>St. Martin Parish Hazard Mitigation Plan Update Committee Kick-Off Meeting</b>	<b>152867-PM-MM- 00001</b>	<b>0</b>

<b>Item</b>	<b>Description of Discussion</b>	<b>Action By</b>	<b>Complete By Date</b>
<b>1.0</b>	<p><b>Introductions and Welcome</b></p> <p>The St. Martin Parish Hazard Mitigation Plan Update Committee held their first open to the public meeting at the Fire District Training Center in Breaux Bridge, Louisiana, on Wednesday, September 10, 2014. The purpose of the meeting was to introduce the attendees and discuss an overview of the Plan Update process. Handouts attached include an agenda, the Hazard Mitigation plan Update from 2009, the Comprehensive Master Plan, and the mitigation project list.</p> <p>Terry Guidry, St. Martin Parish Director of Homeland Security and Emergency Preparedness, introduced Nicole Cutforth from CB&amp;I and welcomed and thanked everyone for coming and informed them that this is a parish effort and he is thankful for the participation of attendees.</p> <p>Nicole Cutforth introduced herself and discussed that CB&amp;I was hired by St. Martin Parish to update the Hazard Mitigation Plan for 2015. Nicole informed the attendees that throughout the planning process we want to make sure that we are incorporating the effort into other planning processes.</p> <p>Nicole asked everyone who attended the meeting to introduce themselves and what agency they represent.</p> <p>Nicole informed everyone that there are a total of 3 meetings and there will be meeting notes mailed out along with her information if anyone has any questions or input between meetings. Also, there will be significant data gathered between meetings therefore before the second meeting all the maps will be updated along with the project list, critical facilities list and risk portion from the past Hazard Mitigation Plan along with input from the parish and committee.</p>		
<b>2.0</b>	<p><b>Purpose, Need, and Expectations</b></p> <p>Nicole informed the attendees that the grant is a FEMA Grant that is passed through GOHSEP to St. Martin Parish Government. It includes unincorporated areas and municipalities.</p>		



## St. Martin Parish Minutes of Meeting



<b>Meeting Subject:</b>	<b>Document No.</b>	<b>Rev:</b>
<b>St. Martin Parish Hazard Mitigation Plan Update Committee Kick-Off Meeting</b>	<b>152867-PM-MM-00001</b>	<b>0</b>

<b>Item</b>	<b>Description of Discussion</b>	<b>Action By</b>	<b>Complete By Date</b>
3.0	<p>Nicole defined Hazard Mitigation Planning to the crowd and explained it as "Planning for any sustained action(s) taken to reduce or eliminate the long-term risk to human life and property from hazards." Nicole discusses that the Hazard Mitigation plan addresses natural hazards such as winds, floods, tonadoes, winter storms, etc.</p> <p>A few definitions that will be used throughout the planning process were discussed such as Hazard, Vulnerability, Vulnerability Assessment, Risk, and Risk Assessment.</p> <p>Nicole explains to the attendees what the importance of the plan is and why we should plan.</p> <p>St. Martin's plan was approved in 2009 but there are new hazards and criteria that need to be incorporated and including how the parish resources can be allocated to get the hazard mitigation projects implemented.</p> <p>The planning process was discussed and phases were described (see attached PowerPoint slide 10.) The idea is to stay circling between phase 1, 2, and 3 within the planning process to ensure that there is enough input from the committee for the Hazard Mitigation Plan Update.</p> <p><b>Participation Strategy</b></p> <p>Participating Agencies and a list of stakeholders on the steering committee was discussed. Nicole encouraged attendees to invite as many people as possible to attend plan update meetings and also to feel free to provide e-mail addresses to add to the meeting notices.</p>		
4.0	<p><b>Plan Review</b></p> <p>Nicole discussed the existing plan overview and an overview of what this process holds.</p> <p>Goals and Critical Facilities were discussed and will be updated throughout this plan.</p>		



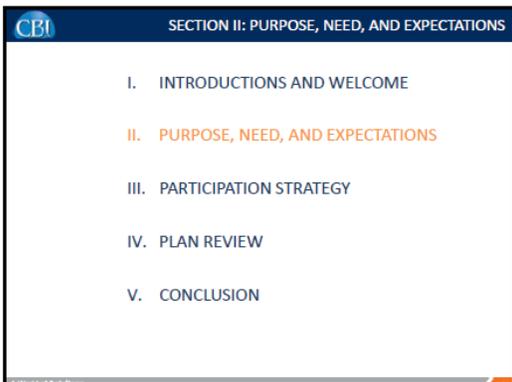
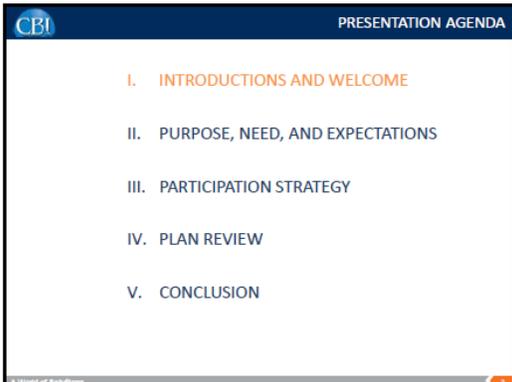
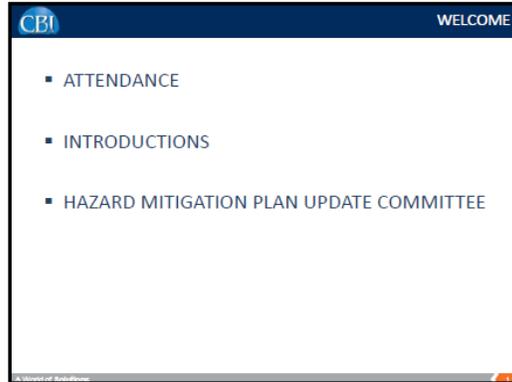
## St. Martin Parish Minutes of Meeting



<b>Meeting Subject:</b>	<b>Document No.</b>	<b>Rev:</b>
<b>St. Martin Parish Hazard Mitigation Plan Update Committee Kick-Off Meeting</b>	<b>152867-PM-MM- 00001</b>	<b>0</b>

<b>Item</b>	<b>Description of Discussion</b>	<b>Action By</b>	<b>Complete By Date</b>
	<p>Nicole discussed the four tasks of risk assessment and eligible hazard mitigation projects and discussed that the projects on the handout will be looked at for funding as it becomes available. Also, the committee was encouraged to list any projects so they can be incorporated including the following:</p> <ul style="list-style-type: none"> <li>• Hardening or Retrofitting of Critical Facilities</li> <li>• Drainage</li> <li>• Increasing culvert size</li> <li>• Increasing pump station capacities</li> <li>• Elevation of structures that have flooded</li> <li>• Safe Rooms</li> <li>• Generators</li> <li>• Etc.</li> </ul> <p>Funding and match percentages were discussed. The funding process flows from FEMA to GOSHEP to St. Martin Parish Government.</p> <p>The Four Tasks of Risk Assessments were discussed. They are Identify Hazards, Profile Hazard Events, Inventory Assets, and Estimating Losses.</p> <p>Maps were discussed and will be updated for the next meeting.</p>	Committee	Meeting 3 (October 28, 2014)
<b>5.0</b>	<b>Questions/Comments</b>	CB&I	October 7, 2014
	<p>Terry commented that there are a few projects that need to be taken off and a few that needs to be added. Nicole encouraged the attendees to look at the project list as a "wish list" and to add any project that they feel is necessary to be incorporated.</p>		
<b>6.0</b>	<b>Conclusion</b>		
<b>7.0</b>	<b>Adjourn</b>		

**Attachment c1-3.1D  
Meeting 1—PowerPoint Presentation Slides**



**CBI** SECTION II: PURPOSE, NEED, AND EXPECTATIONS: DEFINITIONS

- **Hazard**—a source of **potential** danger
- **Vulnerability**—Degree of **exposure** or susceptibility to damage of an asset
- **Vulnerability Assessment**—The extent of damage that may result from a hazard event of a given intensity (50, 100 yr. flood; Cat. 1, 2, ...5 hurricane)
- **Risk**—The **estimated impact** that a hazard would have on people, services, facilities, and structures—quantifiable
- **Risk Assessment**—Process of measuring the potential loss of life, personal injury, economic injury, and property damage

A Word of Solutions

**CBI** SECTION II: PURPOSE, NEED, & EXPECTATIONS: WHY HAZARD MITIGATION PLANNING?

- **Why “plan”?**—**State approach**—**parishes to state**
  - Establish vision and mission
  - Establish common goals
  - Incorporate the “big picture”
  - Bring many stakeholders together
  - Establish community connectivity... coordination and communications
  - Look at resource allocation (time, money, etc.)
  - Ensure ability to implement, monitor, evaluate, and modify

A Word of Solutions

**CBI** SECTION II: PURPOSE, NEED, & EXPECTATIONS: WHY UPDATE HAZARD MITIGATION PLAN?

- Eligibility for mitigation grant project funding
- Any changes in hazard identification
- Vulnerability analyses
- Local mitigation capabilities
- Progress made during the past five years to prevent or reduce future losses from natural hazards

A Word of Solutions

**CBI** SECTION II: PURPOSE, NEED, & EXPECTATIONS: ORIGINS

- Past: Federal legislation funded disaster relief, recovery, and some mitigation planning
  - Standard codes and planning were linked in same law
- Present: Disaster Mitigation Act of 2000 (DMA 2000)
  - Reinforces importance of mitigation planning before hazards occur...“ to reduce the nation’s disaster losses ...” (FEMA Interim Final Rule)
  - Establishes a pre-disaster hazard mitigation program
  - Creates new requirements for national post-disaster Hazard Mitigation Grant Program (HMGP)
  - Requires states and communities to have an approved mitigation plan in place prior to receiving post-disaster HMGP funds

A Word of Solutions



**CBI** SECTION II: PURPOSE, NEED, & EXPECTATIONS: DRAFT PROJECT SCHEDULE

- Planning Meetings
  - September 10, 2014 at 2 PM
  - October 7, 2014 at 2 PM
  - October 28, 2014 at 2 PM
- Submit Draft Plan
  - November 14, 2014
- GOHSEP – FEMA Review
  - November 2014 – January 2015
- Council and Municipal Resolutions
  - February – March 2015

A Word of Solutions

**CBI** SECTION III: PARTICIPATION STRATEGY

- I. INTRODUCTIONS AND WELCOME
- II. PURPOSE, NEED, AND EXPECTATIONS
- III. PARTICIPATION STRATEGY
- IV. PLAN REVIEW
- V. CONCLUSION

A. VOIGT OF SOLUTIONS

**CBI** SECTION III: PARTICIPATION STRATEGY

- **Participating Agencies:**
  - Acadiana Chapter of the American Red Cross Health Unit
  - Animal Control Louisiana Sugar Cane Cooperative
  - Arnaudville Chamber of Commerce Lower St. Martin
  - Atchafalaya Basin St. Martin Parish Government
  - Breaux Bridge Chamber of Commerce St. Martin School Board
  - City of Arnaudville St. Martin Tourism Board
  - City of Breaux Bridge St. Martinville Chamber of Commerce
  - City of Broussard Village of Parks
  - City of Henderson West Atchafalaya Basin Board
  - City of St. Martinville West Atchafalaya Levee District

A. VOIGT OF SOLUTIONS

**CBI** SECTION III: PARTICIPATION STRATEGY

- Committee Structure
  - 1. Expand/Contract?
- Concerns, Comments, Questions
- Other Issues?

A. VOIGT OF SOLUTIONS

**CBI** SECTION IV: PLAN REVIEW

- I. INTRODUCTIONS AND WELCOME
- II. PURPOSE, NEED, AND EXPECTATIONS
- III. PARTICIPATION STRATEGY
- IV. PLAN REVIEW
- V. CONCLUSION

A. VOIGT OF SOLUTIONS

**CBI** SECTION IV: PLAN REVIEW  
ST. MARTIN PARISH HAZARD MITIGATION PLAN NOVEMBER 2009

A. VOIGT OF SOLUTIONS

**CBI** SECTION IV: PLAN REVIEW  
EXISTING PLAN OVERVIEW

REVIEW AND UPDATE:

- **THE PLANNING PROCESS**
  - Public comment
  - Involvement in the planning process
  - Incorporate appropriate existing plans
- **PLAN CONTENT**
  - Documentation of the planning process
  - Risk assessment
    - Type, location, extent of all natural hazards that affect the jurisdiction
    - Jurisdiction vulnerability to the hazards, summary of each hazard and its impact on the community
      - Describe vulnerability of the types and numbers of existing and future buildings, infrastructure, and critical facilities located in the identified hazard areas
      - Estimate of potential dollar losses
  - Any variations of each jurisdiction from risks facing entire planning area

A. VOIGT OF SOLUTIONS

**CBI** SECTION IV: PLAN REVIEW  
EXISTING PLAN OVERVIEW (contd.)

REVIEW AND UPDATE:

- **HAZARD MITIGATION STRATEGIES**
  - Goals
  - Specific mitigation actions and projects
  - Action plan with prioritization
  - Action plan specific to jurisdiction for FEMA approval or credit of the plan
- **PLAN MAINTENANCE PROCEDURES**
  - Method and schedule of monitoring, evaluating, and updating the mitigation plan
  - Process by which local governments can incorporate the requirements of the mitigation plan into other planning mechanisms (comprehensive or capital improvement plans) when appropriate
  - Discussion of how community will continue public participation and plan maintenance

A World of Solutions

**CBI** SECTION IV: PLAN REVIEW  
EXISTING PLAN (NOVEMBER 2009) GOALS OVERVIEW

**GOAL 1** Eliminate the threat of catastrophic flood loss and mitigate all repetitive loss properties

**GOAL 2** Facilitate future development to reduce or eliminate potential impacts of disasters

**GOAL 3** Minimize property damage and injuries resulting from high winds

**GOAL 4** Enhance public awareness

A World of Solutions

**CBI** SECTION IV: PLAN REVIEW:  
CRITICAL FACILITIES

- **CRITICAL FACILITIES**
  - SEWER TREATMENT FACILITIES
  - SCHOOLS
  - FIRE STATIONS
  - POLICE STATIONS
  - HOSPITALS
  - POWER FACILITIES
  - POTABLE WATER FACILITIES

A World of Solutions

**CBI** SECTION IV: PLAN REVIEW  
ELIGIBLE HAZARD MITIGATION PROJECTS

- **HARDENING OR RETROFITTING OF CRITICAL FACILITIES**




A World of Solutions

**CBI** SECTION IV: PLAN REVIEW  
ELIGIBLE HAZARD MITIGATION PROJECTS (CONTD.)

- **DRAINAGE IMPROVEMENTS TO EXISTING FACILITIES**




A World of Solutions

**CBI** SECTION IV: PLAN REVIEW  
ELIGIBLE HAZARD MITIGATION PROJECTS (CONTD.)

- **ELEVATION**



A World of Solutions

**SECTION IV: PLAN REVIEW**  
**ELIGIBLE HAZARD MITIGATION PROJECTS**



- SAFE ROOMS
- 5% INITIATIVES (PUBLIC EDUCATION, WARNING SYSTEMS, GENERATORS, ETC.)

**SECTION IV: PLAN REVIEW**  
**FUNDING**

- MITIGATION FUNDING LEVELS HAVE VARIED...
  - PRE-KATRINA/RITA: GOHSEP FUNDING
    - TARGET=\$35-40M PER YEAR
  - POST-KATRINA/RITA: HMGP=\$1.5B TO AFFECTED AREAS
  - FUTURE FUNDING OF PROJECTS=? (FUNCTION OF NEXT DISASTER EVENT)

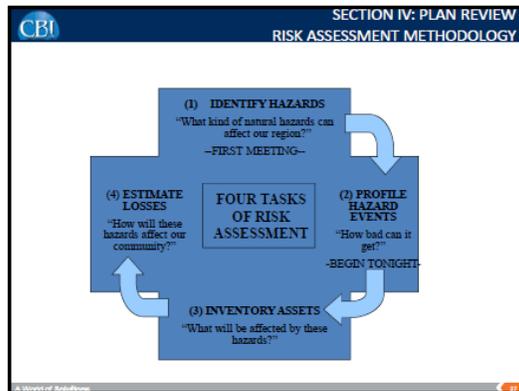
...BUT FUNDING HAS BEEN AVAILABLE VIRTUALLY EVERY YEAR

**SECTION IV: PLAN REVIEW**  
**RISK ASSESSMENT: METHODOLOGY**

• Q: "What would happen if a natural hazard event occurred in our community?"

**Natural Hazard + Vulnerability = Potential Losses**

- Risk Assessment is the foundation of the mitigation planning process
- Local areas cooperate with the state



**SECTION IV: PLAN REVIEW**  
**RISK ASSESSMENT: IDENTIFY HAZARDS**

Worksheet #1 Identify the Hazards

- Simply identify what hazards might affect the community
- Narrow the list to hazards that are most likely to impact
- Keep records of information gathered
  - News papers and other unofficial accounts
  - Federal and state data base info
  - Community expert and parish/municipal data
  - Etc.

Task	Yes	No	Frequency or Intensity	Population at Risk	Value of Assets at Risk
Acquatic	<input type="checkbox"/>	<input type="checkbox"/>			
Aviation	<input type="checkbox"/>	<input type="checkbox"/>			
Coastal Storm	<input type="checkbox"/>	<input type="checkbox"/>			
Sea Level Rise	<input type="checkbox"/>	<input type="checkbox"/>			
Earthquake	<input type="checkbox"/>	<input type="checkbox"/>			
Explosion	<input type="checkbox"/>	<input type="checkbox"/>			
Flood	<input type="checkbox"/>	<input type="checkbox"/>			
Hailstorm	<input type="checkbox"/>	<input type="checkbox"/>			
Heatstroke	<input type="checkbox"/>	<input type="checkbox"/>			
Large Scale Storm	<input type="checkbox"/>	<input type="checkbox"/>			
Lightning	<input type="checkbox"/>	<input type="checkbox"/>			
Power Outage	<input type="checkbox"/>	<input type="checkbox"/>			
Severe Storm	<input type="checkbox"/>	<input type="checkbox"/>			
Shooting	<input type="checkbox"/>	<input type="checkbox"/>			
Wildfire	<input type="checkbox"/>	<input type="checkbox"/>			
Other	<input type="checkbox"/>	<input type="checkbox"/>			
Other	<input type="checkbox"/>	<input type="checkbox"/>			
Other	<input type="checkbox"/>	<input type="checkbox"/>			

**SECTION IV: PLAN REVIEW**

- Hazards Profiled in 2010 Plan:
  - Flooding
  - Tornadoes
  - Hurricanes
  - Tropical Storms
  - Levee Failure

**CBI** SECTION IV: PLAN REVIEW  
RISK ASSESSMENT: PROFILE HAZARD EVENTS

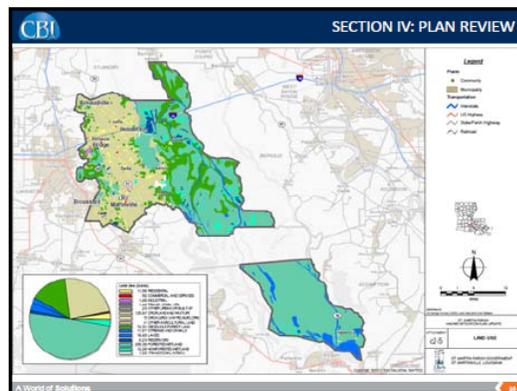
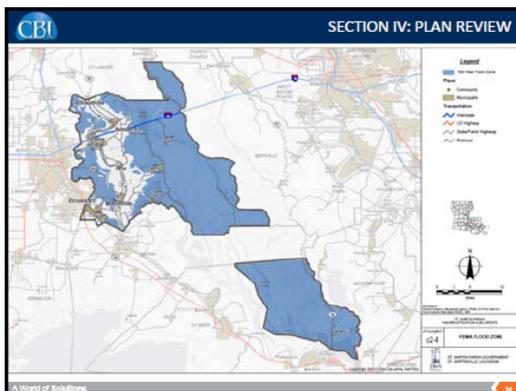
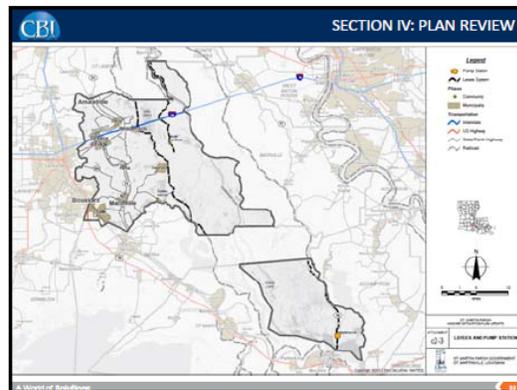
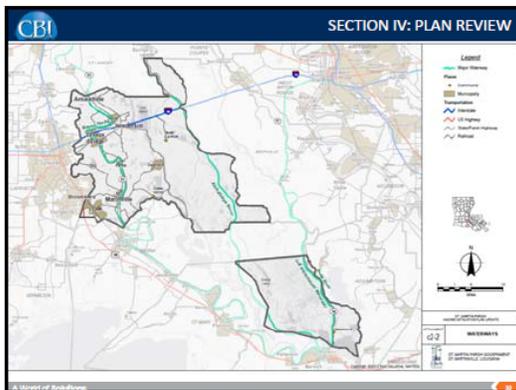
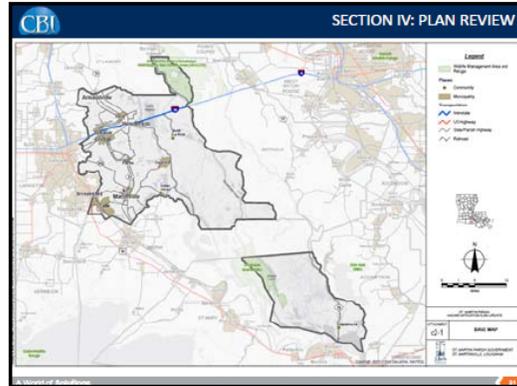
- Obtain and create base maps
- Obtain hazard event profile information.
- Record the hazard event profile information.

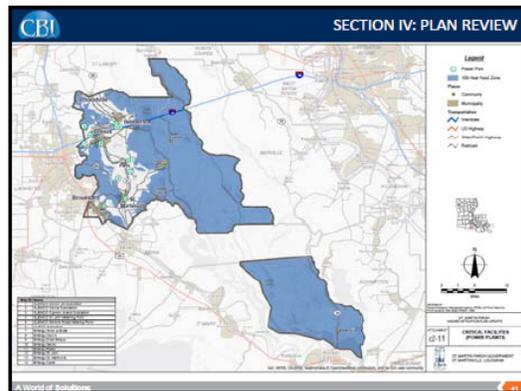
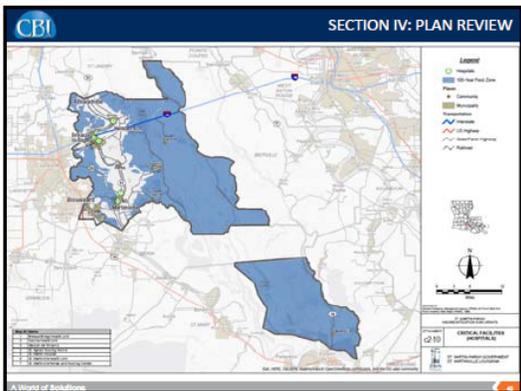
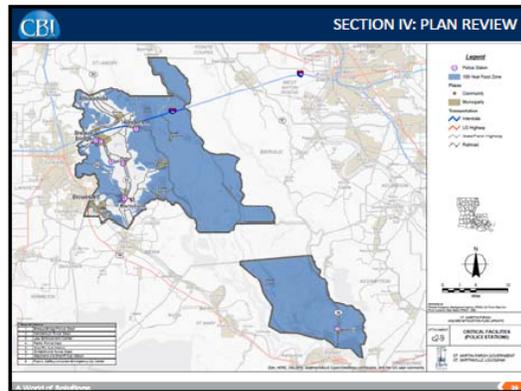
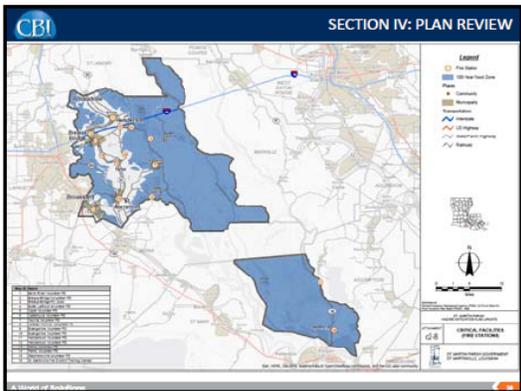
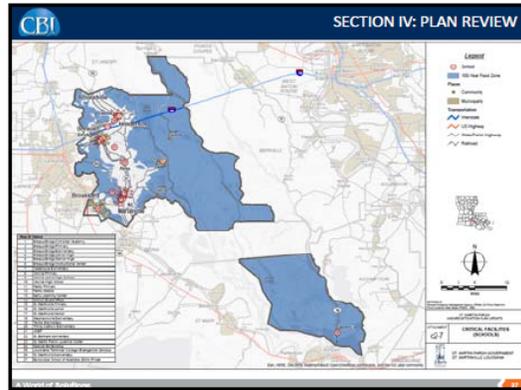
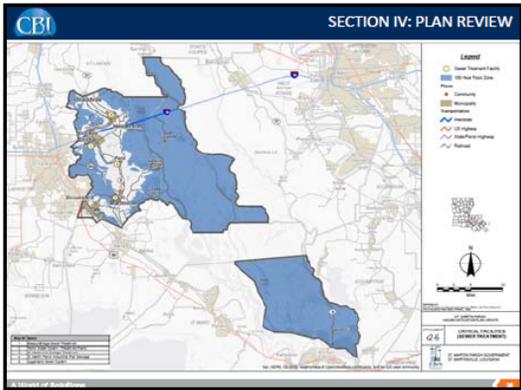
**Current Plan:**

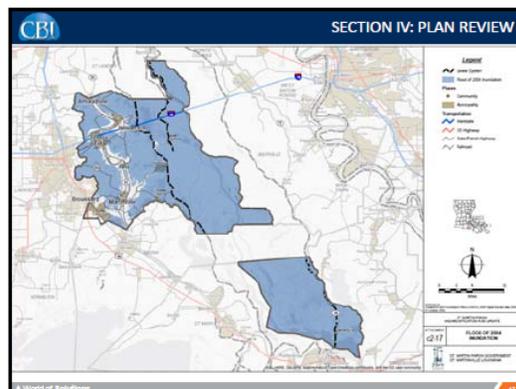
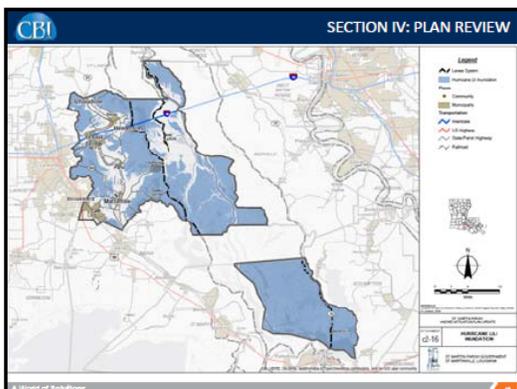
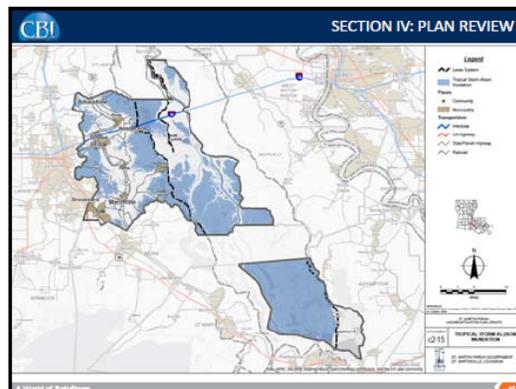
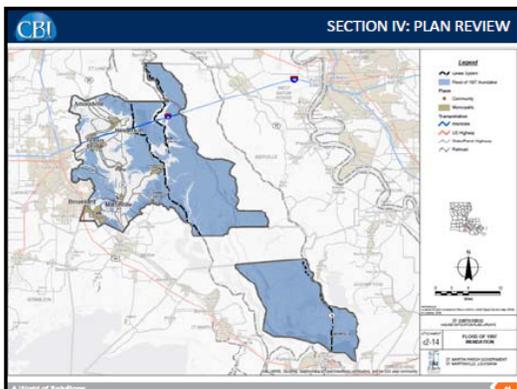
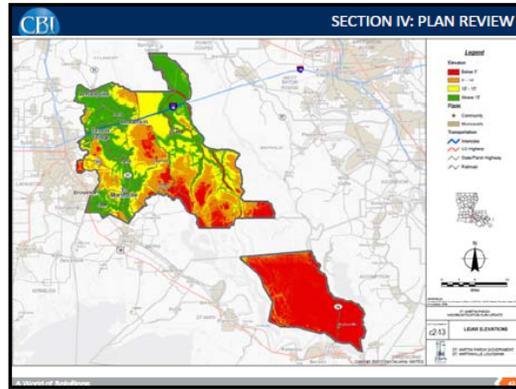
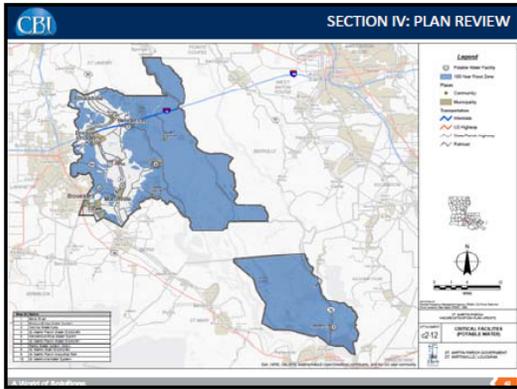
- Flood of 1997
- Hurricane Andrew
- Tropical Storm Allison
- Hurricane Lili
- Hurricane Katrina
- Hurricane Rita

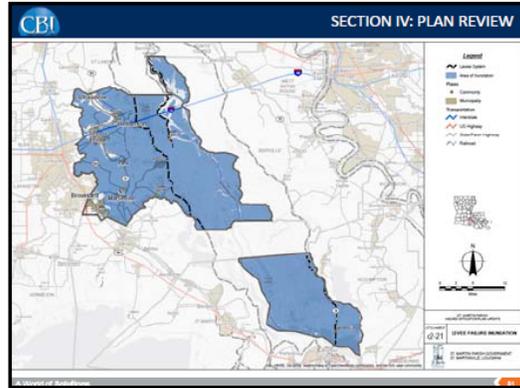
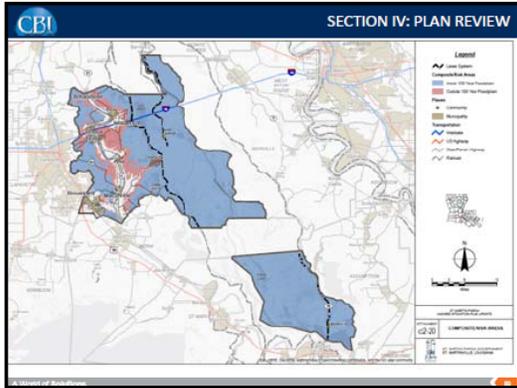
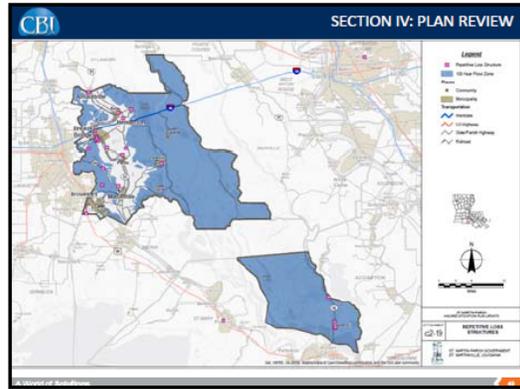
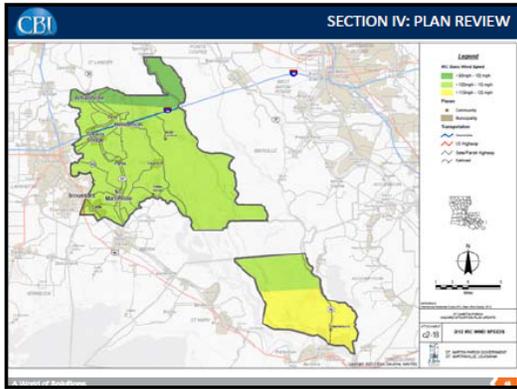
**Plan Update Includes:**

- Flood data
- Hurricane Gustav
- Hurricane Ike
- Hurricane Isaac
- Flood of 2011









CBI SECTION V: CONCLUSION

- I. INTRODUCTIONS AND WELCOME
- II. PURPOSE, NEED, AND EXPECTATIONS
- III. PARTICIPATION STRATEGY
- IV. PLAN REVIEW
- V. CONCLUSION

CBI SECTION V: CONCLUSION

- I. Meeting Summary
  - A. Purpose, Need, and Expectations
  - B. Participation Strategy
  - C. Plan Review
  - D. Conclusion
- II. Tentative Agenda for Meeting 2
  - A. Revised FEMA Approach
  - B. Address Additional Issues
- III. Schedule/Locate Next Meeting
- IV. Adjourn



## CONTACT INFORMATION

NICOLE B. CUTFORTH  
PROJECT MANAGER  
CB&I  
225-987-7373  
NICOLE.CUTFORTH@CBI.COM

# Public Notice

## Meeting Announcement St. Martin Parish Hazard Mitigation Plan Update 2015

St. Martin Parish updating the parish's Hazard Mitigation Plan. The purpose of the plan update is to identify and pursue preventative measures that will reduce future damages from natural hazards. To continue the plan update, the St. Martin Parish Hazard Mitigation Committee will discuss the risk assessment, the mapping effort, mitigation projects, project prioritization and existing authorities, policies, and programs. The public is encouraged to attend this meeting.

**Tuesday, October 7th, 2014 at 2:00 pm**  
**Fire Training Center**  
**1035-A Ruth Bridge Hwy**  
**Breaux Bridge, LA 70517**

Please direct questions about the meeting to Nicole Cutforth, CB&I, at (225) 987-7373.

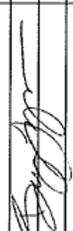
10.1.14

**Attachment c1-3.2B  
Meeting 2—Sign-in Sheets**

**St. Martin Parish Hazard Mitigation Plan Update 2015 Committee Meeting #2  
October 7, 2014**

Signature	Last Name	First Name	Title	Agency
	Alexander, Jr.	Cassie	Public Works Director	St. Martin Parish
	Babineaux	Heath	Planning and Zoning Coordinator	St. Martin Parish
	Beebe	Lottie	Superintendent	St. Martin School Board
	Begnaud	Tina	Director	Breaux Bridge Chamber of Commerce
	Blanchard	Allen	Director of Operations	St. Martin Parish School Board
	Blanchard	Camille		West Atchafalaya Basin Board
	Brignac	Michelle	Coordinator	St. Martin Parish Animal Control
	Carriere	Dane	Safety Director	St. Martin Parish Hospital
	Castille	Brian	Fire District Director	St. Martin Parish
	Collette	Sherbin	Mayor	Henderson
	Comb	Mike		Louisiana Sugar Cane Cooperative
	Cormier	Guy	Parish President	St. Martin Parish
	Cormier	Randy "Crip"	Public Works Director	Breaux Bridge
	Courville	Clay	Council Member	St. Martin Parish
	Decou	Brandon	Chief of Police	Broussard
	Degature Richard	Dona	Coordinator	St. Martin Tourism Commission
	Delahoussaye	Carroll	Council Member	St. Martin Parish
	Delhomme	Jack "Dale"	Mayor	Breaux Bridge
	Dore	Dean	Council Member	St. Martin Parish
	Dugas	John	Mayor	Parks
	Dugas	Richard "Todd"	Hospital District #1	St. Martin Parish
	Eddy Blanchard	Stacey	Assistant Director OHSEP	St. Martin Parish: <i>Shanarchad Estremerchaint org.</i>
	English	Nicolette	GOHSEP	GOHSEP
	Gauthier	Stuart	County Agent	St. Martin Parish
	Gregory	Craig	Council Member	St. Martin Parish
	Guidry	Leroy	Chief of Police	Henderson
	Guidry	Beth	SMEDA Executive Director	St. Martin Parish
	Guidry	Terry	OHSEP Director	St. Martin Parish
	Hebert	Katie	Hospital Administrator	St. Martin Parish
	Hebert	Jill	Council Member	St. Martin Parish
	Hebert	Calder "Pop"	Chief of Police	St. Martinville

**St. Martin Parish Hazard Mitigation Plan Update 2015 Committee Meeting #2  
October 7, 2014**

Signature	Last Name	First Name	Title	Agency
	Hebert	P.J.	Chief of Police	Breaux Bridge
	Hefner	Mike	GIS	St. Martin Parish
	Hundley	Sean	Finance Director	St. Martin Parish
	Huval	Mike	State Representative	St. Martin Parish
	Kerlegan	Roland	Waterworks District #3	St. Martin Parish
	Langlais	Charles	Mayor	Broussard
	Lasseigne	Kirk	Public Works Director	St. Martinville
	Latiolais	Kory	911 Executive Director	St. Martin Parish
	Melancon	Neil	Human Resources Manager	L.A. Sugar
	Melancon	Ricky	Waterworks District #4	St. Martin Parish
	Melancon	Marion	Director	St. Martinville Chamber of Commerce
	Mizzi	Richard	Chief of Police	Arnaudville
	Nelson	Lisa	Council Member	St. Martin Parish
	Nelson	Thomas	Mayor	St. Martinville
	Patin	Lawrence	Tax Assessor	St. Martin Parish
	Richard	Kathy	Mayor	Arnaudville
	Roban	Meko	Council Member	St. Martin Parish
	Savoy, RN	Stacey	Registered Nurse	Health Unit
	Smith	Dave		Acadiana Chapter of American Red Cross
	Solaire	Ronald	Chief of Police	Parks
	Theriot	Ronald	Sheriff	St. Martin Parish
	Thibodeaux	James		Henderson
	Thibodeaux	Neil	Council Member	St. Martin Parish
	Tucker	Fabian	Director of Administration	St. Martin Parish
	Willis	Jason	Council Member	St. Martin Parish
	Laperouse	Bryan	Hospital Administrator	St. Martin Parish Hospital

**Attachment c1-3.2C  
Meeting 2—Meeting Agenda and Summary Meeting Notes**



**St. Martin Parish  
Minutes of Meeting**



<b>Meeting Subject:</b>		<b>Document No.</b>	<b>Rev:</b>
St. Martin Parish Hazard Mitigation Plan Update Committee 2 <sup>nd</sup> Committee Meeting		152867-PM-MM-00002	0
<b>Meeting Date:</b>	08 OCT 2014	<b>CB&amp;I Contract Number:</b>	152867
<b>Meeting Location:</b>	Fire District Training Center	<b>Client Contract Number:</b>	N/A
<b>iDocs File Number:</b>			TBD
<b>Attendees:</b>			
<b>Name:</b>	<b>Company</b>	<b>Name</b>	<b>Company</b>
Heath Babineaux	St. Martin Parish	Nicole Cutforth	CB&I
Brian Castille	St. Martin Parish	Brooke McChristian	CB&I
Terry Guidry	St. Martin Parish	Dane Carriere	St. Martin Hospital
Sherbin Collette	Henderson	Stacey Blanchard	St. Martin Parish
Bryan Laperouse	St. Martin Hospital		
<b>Distribution: All Attendees Plus: N/A</b>			
<b>Name</b>	<b>Company</b>	<b>Name</b>	<b>Company</b>
<b>Prepared By:</b>	Brooke McChristian	<b>Reviewed By:</b>	Nicole Cutforth
<b>Company:</b>	CB&I	<b>Company:</b>	CB&I
<b>Signature:</b>		<b>Signature:</b>	
<b>Date:</b>	10/8/2014	<b>Date:</b>	10/29/2014



## St. Martin Parish Minutes of Meeting



<b>Meeting Subject:</b>	<b>Document No.</b>	<b>Rev:</b>
<b>St. Martin Parish Hazard Mitigation Plan Update Committee 2<sup>nd</sup> Committee Meeting</b>	<b>152867-PM-MM- 00002</b>	<b>0</b>

<b>Item</b>	<b>Description of Discussion</b>	<b>Action By</b>	<b>Complete By Date</b>
<b>1.0</b>	<p><b>Introductions and Welcome</b></p> <p>The St. Martin Parish Hazard Mitigation Plan Update Committee held their second open to the public meeting at the Fire District Training Center in Breaux Bridge, Louisiana, on Tuesday, October 7, 2014. The purpose of the meeting was to provide an opportunity to update maps, add new or update existing projects, and receive attendees input on hazard events.</p> <p>Nicole Cutforth from CB&amp;I introduced herself, thanks everyone for their participation and asked attendees to introduce themselves and provide what agency they represent. Nicole explained that the Hazard Mitigation Meetings are publicly advertised and the attendees can invite anyone they feel would like to participate.</p> <p>Nicole reviewed the first meeting agenda and discussed that the first meeting was a planning overview. She states that the Hazard Mitigation Plan is required to be adopted by all the municipalities and the Parish every five years to be eligible for Hazard Mitigation Grant funds. These funds pay for wind hardening, elevations of homes or other commercial repetitive loss properties, and upgrades to current infrastrurctures or buildings that reduce the effects of natural hazards.</p> <p>Dane Carriere with St. Martin Parish Hospital asked Nicole to please explain the process with the projects that are listed on the Project List. Nicole explained that during Meeting No. 2, projects will be added to the list and Meeting No. 3 will be project prioritization. Nicole discusses that the idea of the project prioritization is when the plan is adopted and funds become available post disaster, the parish can go through the priorities and pick the top priority projects for funding. Nicole did note that it is a 25% match for funds. Nicole explained to the attendees to keep in mind the STAPLEE information when prioritizing these projects.</p>		



## St. Martin Parish Minutes of Meeting



<b>Meeting Subject:</b>	<b>Document No.</b>	<b>Rev:</b>
<b>St. Martin Parish Hazard Mitigation Plan Update Committee 2<sup>nd</sup> Committee Meeting</b>	<b>152867-PM-MM- 00002</b>	<b>0</b>

<b>Item</b>	<b>Description of Discussion</b>	<b>Action By</b>	<b>Complete By Date</b>
<b>2.0</b>	<p>Nicole informed everyone that there are a total of 3 meetings and there will be meeting notes available along with her information if anyone has any questions or input between meetings. Also, there will be significant data gathered between meetings. Before the second meeting all the maps will be updated along with the project list, critical facilities list and risk portion from the past Hazard Mitigation Plan along with input from the parish and committee.</p> <p>Terry Guidry from St. Martin Parish Office of Homeland Security &amp; Emergency Preparedness discusses that some of the projects on the project list are no longer needed such as the Sheriff Substation and JDC Building and can be transferred to move the Hospital to a higher priority.</p> <p><b>Purpose, Need, and Expectations</b> Nicole broadly discussed the maps for the Hazard Mitigation Plan and explained that the maps were available for the attendees to mark up if needed.</p> <p>Terry noted that on the Land Use map around the Cade area, there has is not a lot of red indicating the recent commercial construction.</p> <p>Dane explained that St. Martin Hospital is the only hospital that is opened during storms and cannot evacuate. Nicole responded that we will make note of the hospital on the map and also change the map name to "Medical."</p> <p>Nicole discussed that FEMA has various worksheets (3A &amp; 4) used for calculating risk assessments for the Hazard Mitigation Plan Update.</p> <p>Nicole defines the composite risk flood area as a layered map of the 100-year floodplain and historical flood events. She discussed worksheet #3A "Inventory Assets of the Parish" and Worksheet #4.</p>		



## St. Martin Parish Minutes of Meeting



<b>Meeting Subject:</b>	<b>Document No.</b>	<b>Rev:</b>
<b>St. Martin Parish Hazard Mitigation Plan Update Committee 2<sup>nd</sup> Committee Meeting</b>	<b>152867-PM-MM- 00002</b>	<b>0</b>

<b>Item</b>	<b>Description of Discussion</b>	<b>Action By</b>	<b>Complete By Date</b>
<b>3.0</b>	<p>Repetitive Loss Structures were defined and it was noted that they are tracked by FEMA and the NFIP. Nicole offered the attendees to update the HAZUS values and committee agreed to leave as is.</p> <p><b>Participation Strategy</b> Nicole discusses the hazards that St. Martin Parish has profiled in the past and will be profiling in the 2015 Update. The hazard events that are profiled fit into three categories such as high winds, floods (storm surge, flash floods, and backwater flooding), and levee failure (caused by flood events and/or exceedingly wet conditions).</p>		
<b>4.0</b>	<p><b>Plan Review</b> Nicole discussed the current plans that St. Martin Parish has. Henderson Mayor, Sherbin Collette added the Henderson Master Plan of 2001.</p> <p>Goals and Objectives were discussed and the attendees agreed to keep the Goals are Objectives the same.</p> <p>Nicole explained that the Project List is organized by source so there may be redundancies. She discussed how we want to include any project that will reduce or eliminate the effects of any type of natural hazards that have been discussed. She stressed that we do not want to focus on HMGP eligibility; various grants will be able to fund projects within a parish approved plan (ex. CDBG). The plan will go to the Parish and Municipal Councils and will have to be approved for the entities to remain eligible for HMGP funds. Nicole encouraged the attendees to add projects to this list as they wish.</p>		
<b>5.0</b>	<p><b>Questions/Comments</b></p> <p>Terry commented that there are a few projects that need to be taken off of the project list and a few that needs to be added. Nicole encouraged the attendees to look at the project list as a “wish list” and to add any project that they feel is necessary to be incorporated.</p>		
<b>6.0</b>	<p><b>Conclusion</b></p>		

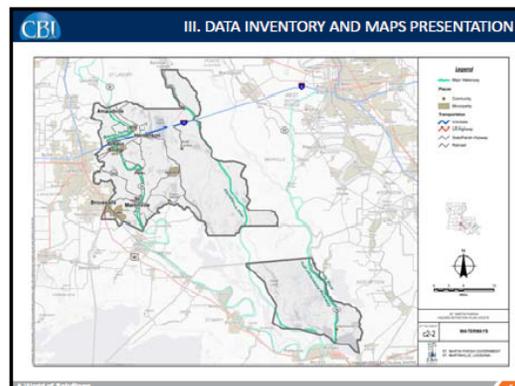
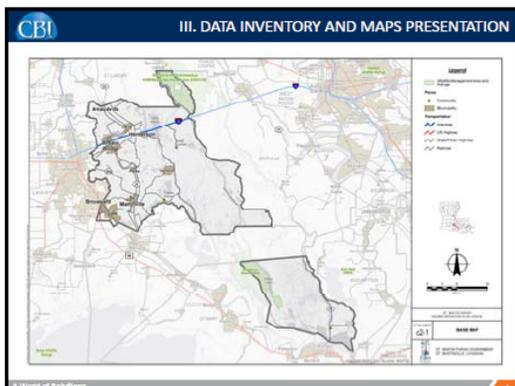
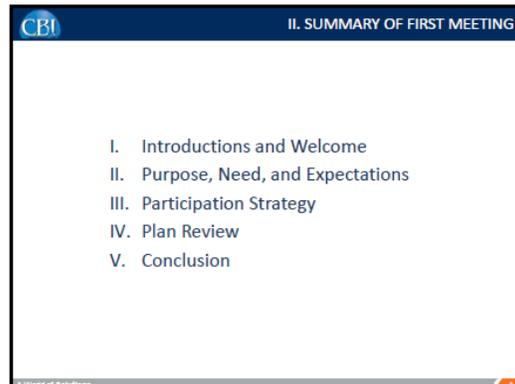
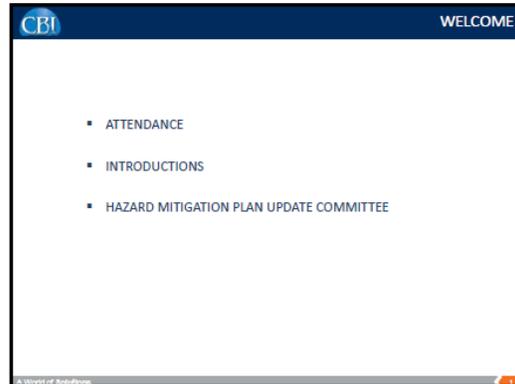


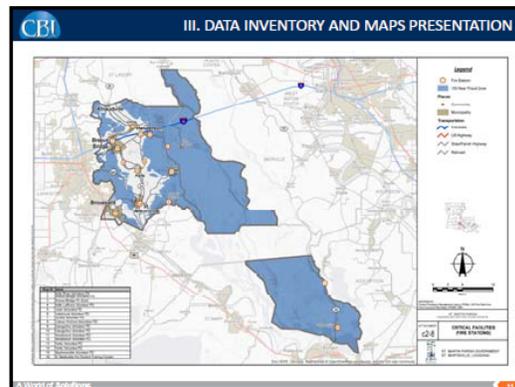
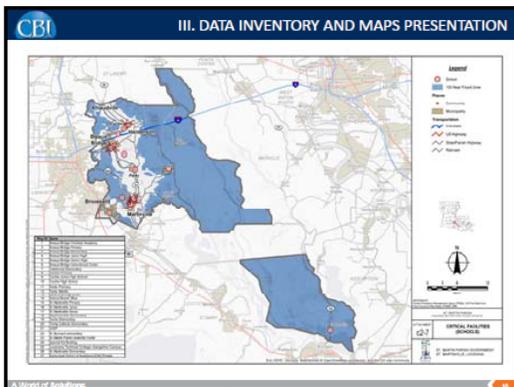
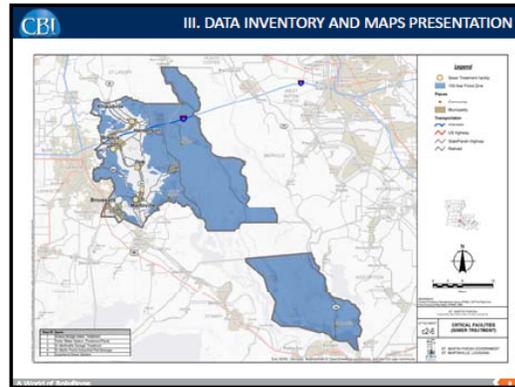
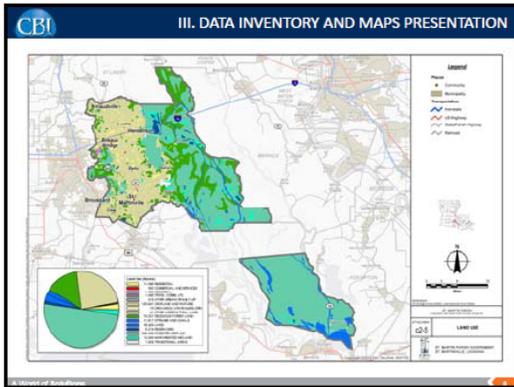
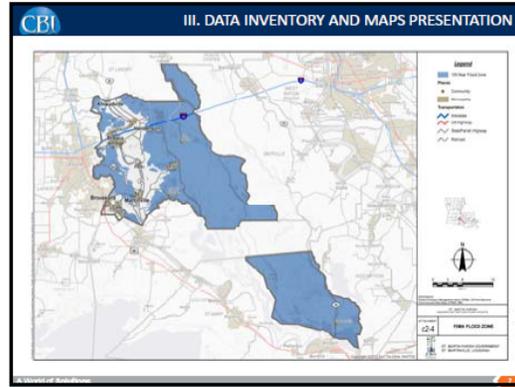
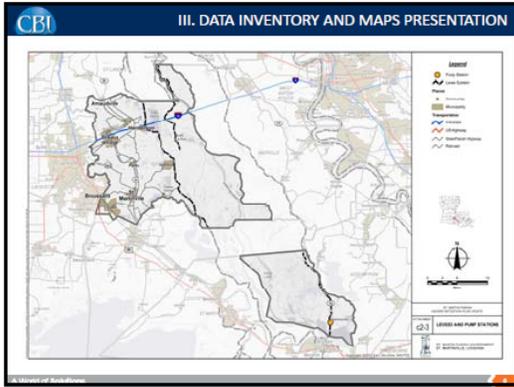
## St. Martin Parish Minutes of Meeting



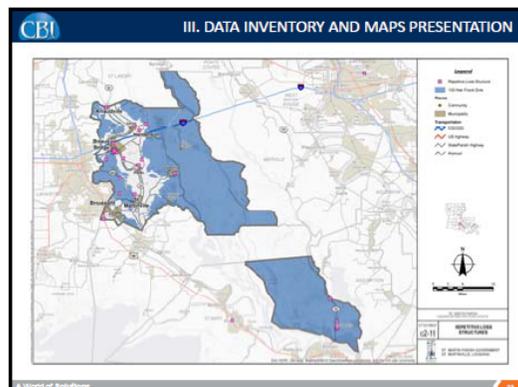
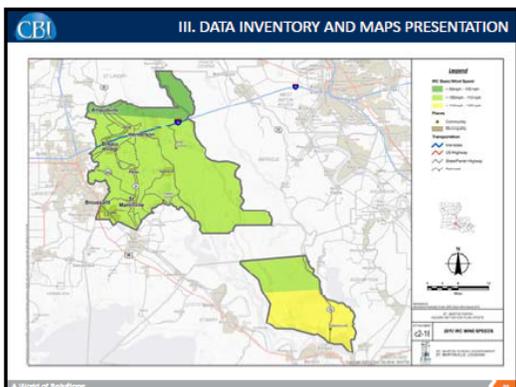
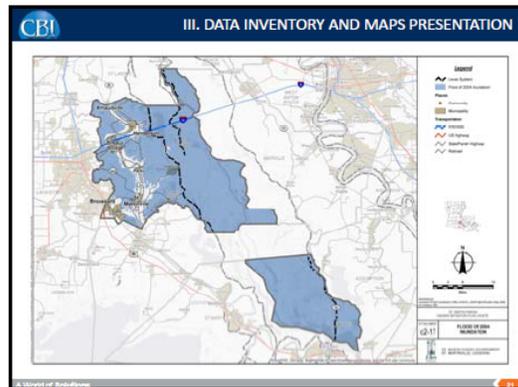
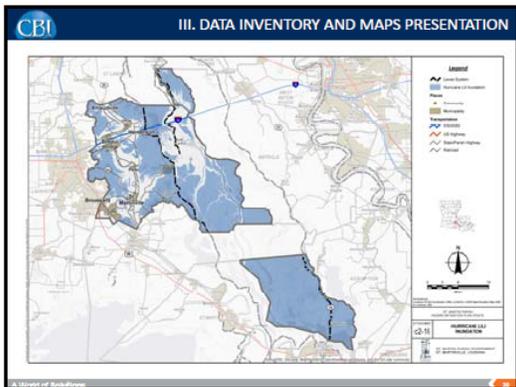
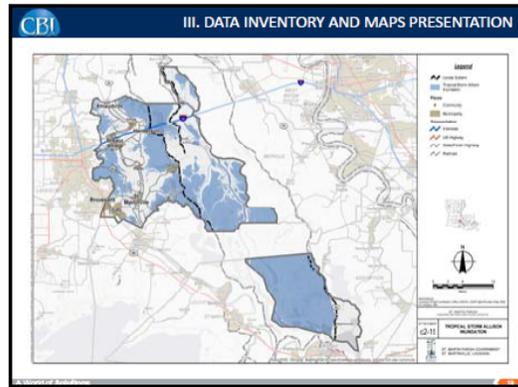
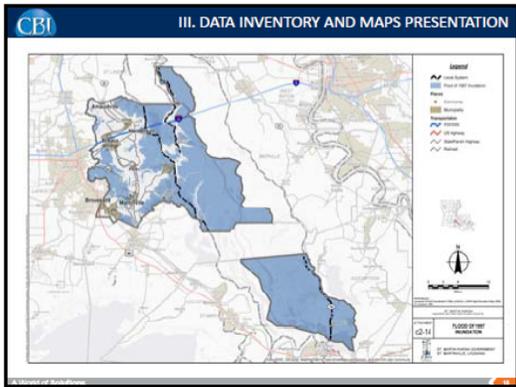
<b>Meeting Subject:</b>		<b>Document No.</b>	<b>Rev:</b>
St. Martin Parish Hazard Mitigation Plan Update Committee 2 <sup>nd</sup> Committee Meeting		152867-PM-MM- 00002	0
<b>Item</b>	<b>Description of Discussion</b>	<b>Action By</b>	<b>Complete By Date</b>
7.0	Adjourn		

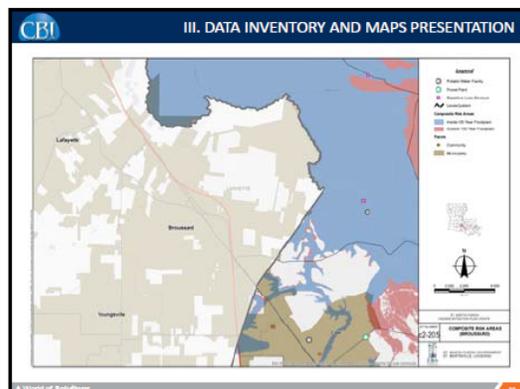
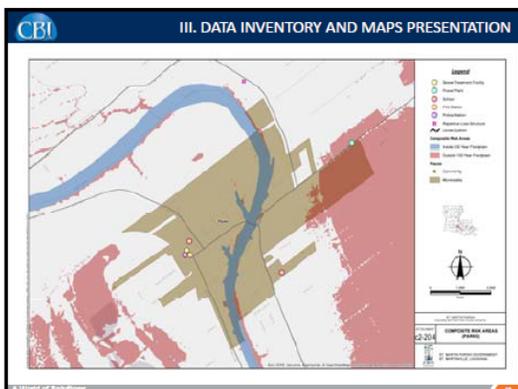
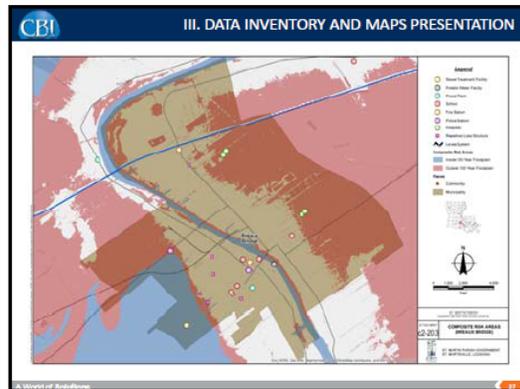
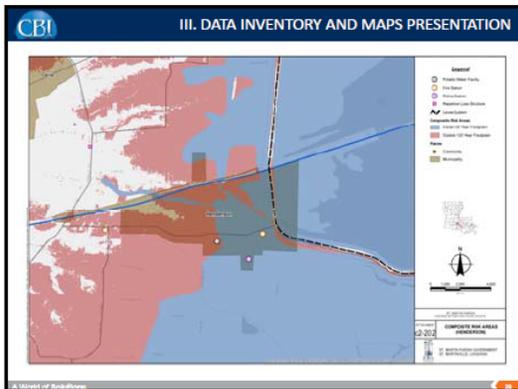
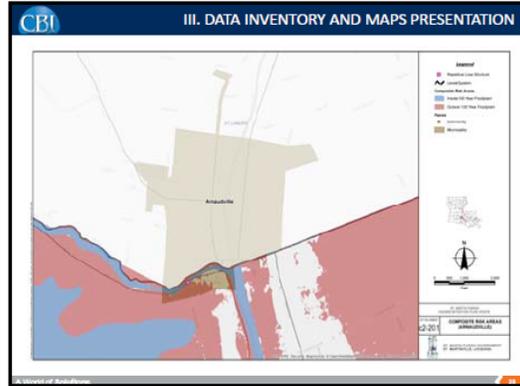
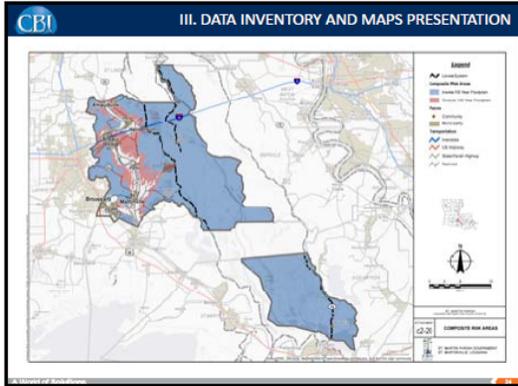
**Attachment c1-3.2D  
Meeting 2—PowerPoint Presentation Slides**

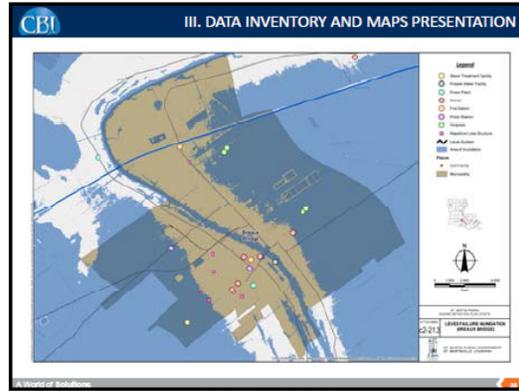
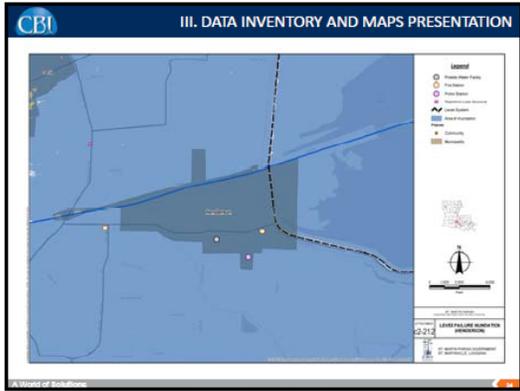
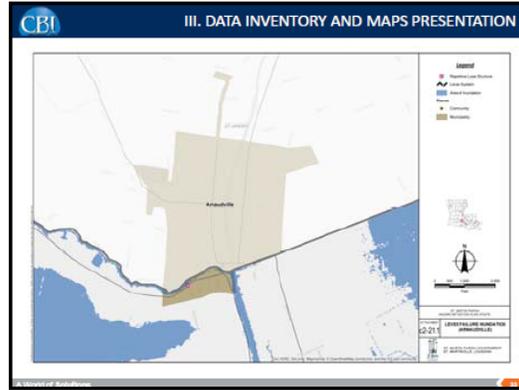
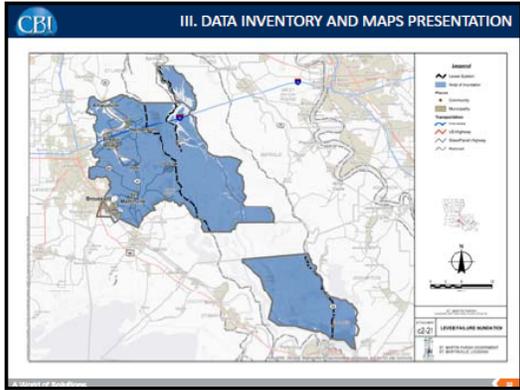
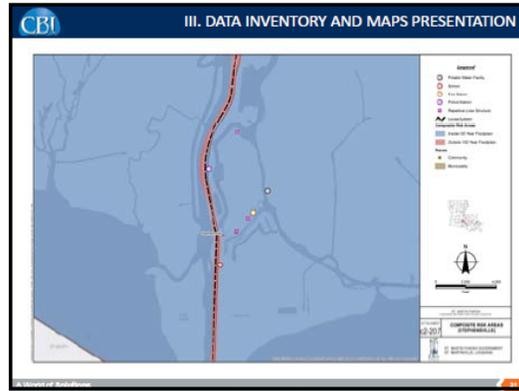
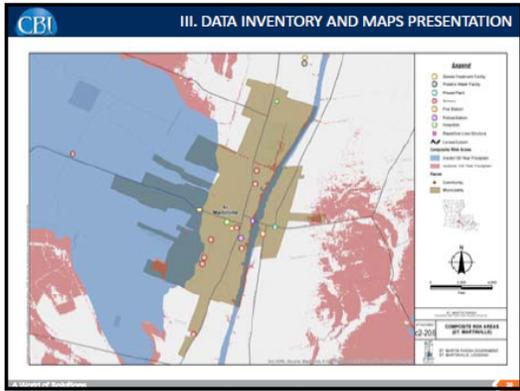














**III. DATA INVENTORY AND MAPS PRESENTATION**

Discussion of FEMA Worksheet #4—Critical Facilities and Estimated Structure Losses from Flooding Within Hazard Area

- Review list and relevant map
- 119 critical facilities identified
- Total value of structures = \$331.3 million
- Est. structure loss from worst case event (levee failure) = \$66.9 million
- Input from committee

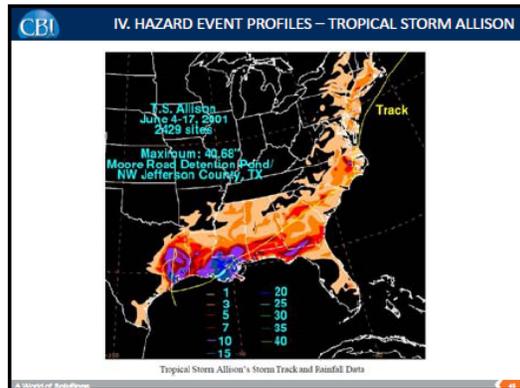
**IV. HAZARD EVENT PROFILES**

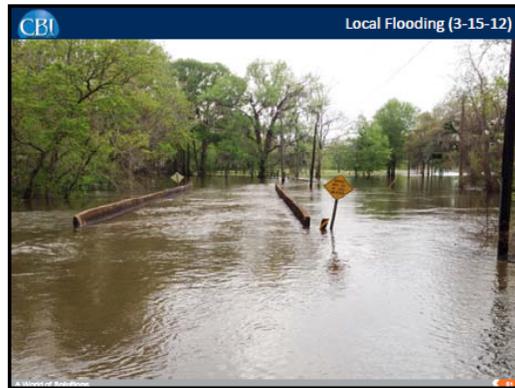
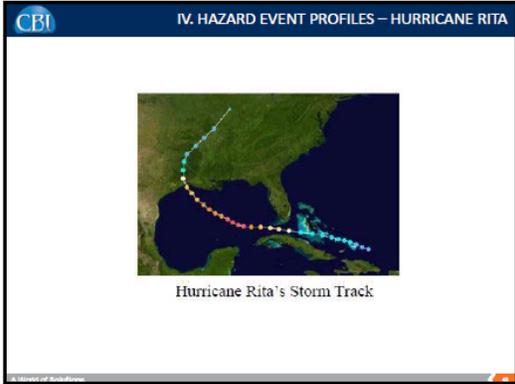
Hurricanes, Coastal Storms, And Flooding

- Andrew
- Tropical Storm Allison
- Hurricane Lili
- Hurricane Katrina
- Hurricane Rita
- Gustav
- Ike
- Isaac

Localized Flooding

- 3-15-12
- 1-13-13







- CBI IV. HAZARD EVENT PROFILES
- High Winds (hurricanes, tornadoes)
  - Floods (storm surge, flash floods, backwater flooding)
  - Levee Failure—caused by flood events and/or exceedingly wet conditions

- CBI V. DETERMINE MITIGATION STRATEGIES
- Current Plans**
- Louisiana State Hazard Mitigation Plan
  - Louisiana's Comprehensive Master Plan for a Sustainable Coast (CPRA) – Planning Unit 3b
  - Emergency Support Function (ESF 14)
  - St. Martin Hazard Mitigation Plan 2010
  - Any Others?

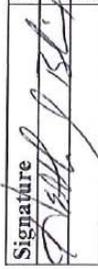
- CBI V. DETERMINE MITIGATION STRATEGIES
- Review/Revise Current Mitigation Goals and Objectives
1. Eliminate the threat of catastrophic flood loss and mitigate all repetitive loss properties
  2. Facilitate future development to reduce or eliminate potential impacts of disasters
  3. Minimize property damage and injuries resulting from high winds (hurricane, tornado, wind storms, etc)
  4. Enhance public awareness

- CBI V. DETERMINE MITIGATION STRATEGIES
- Preliminary Project List (handout)
  - Discussion of New or Additional Projects
    - Parish Wide Pump Stations funded?
    - Other projects obsolete/funded/need updating?

- CBI VI. CONCLUSION AND ADJOURN
- Next Phase.....
- Project Prioritization and Review Draft Plan
  - Next Meeting: October 28, 2014

**Attachment c1-3.3A  
Meeting 3—Sign-in Sheets**

**St. Martin Parish Hazard Mitigation Plan Update 2015 Committee Meeting #3  
October 28, 2014**

Signature	Last Name	First Name	Title	Agency
	Babineaux	Heath	Planning and Zoning Coordinator	St. Martin Parish
	Beebe	Lottie	Superintendent	St. Martin School Board
	Begnaud	Tina	Director	Breaux Bridge Chamber of Commerce
	Blanchard	Allen	Director of Operations	St. Martin Parish School Board
	Blanchard	Camille		West Atchafalaya Basin Board
	Blanchard	Stacey	Assistant Director OHSEP	St. Martin Parish
	Brignac	Michelle	Coordinator	St. Martin Parish Animal Control
	Carriere	Dane	Safety Director	St. Martin Parish Hospital
	Castille	Brian	Fire District Director	St. Martin Parish
	Collette	Sherbin	Mayor	Henderson
	Comb	Mike		Louisiana Sugar Cane Cooperative
	Cormier	Guy	Parish President	St. Martin Parish
	Cormier	Randy "Crip"	Public Works Director	Breaux Bridge
	Courville	Clay	Council Member	St. Martin Parish
	Decou	Brandon	Chief of Police	Broussard
	Degature	Richard	Coordinator	St. Martin Tourism Commission
	Delahoussaye	Carroll	Council Member	St. Martin Parish
	Delhomme	Jack "Dale"	Mayor	Breaux Bridge
	Dore	Dean	Council Member	St. Martin Parish
	Dugas	John	Mayor	Parks
	Dugas	Richard "Todd"	Hospital District #1	St. Martin Parish
	English	Nicolette	GOHSEP	GOHSEP
	Gauthier	Stuart	County Agent	St. Martin Parish
	Gregory	Craig	Council Member	St. Martin Parish
	Guidry	Leroy	Chief of Police	Henderson
	Guidry	Beth	SMEDA Executive Director	St. Martin Parish
	Guidry	Terry	OHSEP Director	St. Martin Parish
	Hebert	Katie	Hospital Administrator	St. Martin Parish
	Hebert	Jill	Council Member	St. Martin Parish
	Hebert	Calder "Pop"	Chief of Police	St. Martinville
	Hulin	Khristy	Safety Coordinator	St. Martin Parish School Board
	Guidry	Joseph	Coordination/Compliance	City of Breaux Bridge

**St. Martin Parish Hazard Mitigation Plan Update 2015 Committee Meeting #3  
October 28, 2014**

Signature	Last Name	First Name	Title	Agency
	Hebert	P.J.	Chief of Police	Breaux Bridge
	Hefner	Mike	GIS	St. Martin Parish
	Hundley	Sean	Finance Director	St. Martin Parish
	Huval	Mike	State Representative	St. Martin Parish
	Kerlegan	Roland	Waterworks District #3	St. Martin Parish
<i>S. Hebert</i>	Langlmais	Charles	Mayor	Broussard
	Lasseigne	Kirk	Public Works Director	St. Martinville
	Latiolais	Kory	911 Executive Director	St. Martin Parish
	Melancon	Neil	Human Resources Manager	L.A. Sugar
	Melancon	Ricky	Waterworks District #4	St. Martin Parish
		Nicole	Director	St. Martinville Chamber of Commerce
<i>Dolores R. Quibbe-Jenkins</i>	<i>Mintz</i>	<i>Richard</i>	<del>Chief of Police</del> <i>Town Clerk</i>	Arnaudville
	Nelson	Lisa	Council Member	St. Martin Parish
<i>Donna A. Lasseigne</i>	<i>Nelson Lasseigne</i>	<i>Thomas-Donna</i>	<del>Mayor</del> <i>Chief Adm. Officer</i>	St. Martinville
	Patin	Lawrence	Tax Assessor	St. Martin Parish
	Richard	Kathy	Mayor	Arnaudville
	Roban	Meko	Council Member	St. Martin Parish
	Savoy, RN	Stacey	Registered Nurse	Health Unit
	Smith	Dave		
	Solaire	Ronald	Chief of Police	Acadiana Chapter of American Red Cross
	Theriot	Ronald	Sheriff	Parks
	Thibodeaux	James		St. Martin Parish
	Thibodeaux	Neil	Council Member	Henderson
	Tucker	Fabian	Director of Administration	St. Martin Parish
	Willis	Jason	Council Member	St. Martin Parish
<i>Ray J. Bays</i>	<i>Lasseigne</i>	<i>Jason</i>	<i>Assistant Administrator</i>	<i>St. Martin Hospital</i>
		<i>LARRY</i>	<i>Captain</i>	<i>Breaux Bridge Police Dept</i>

**Attachment c1-3.3B  
Meeting 3—Meeting Agenda and Summary Meeting Notes**



**St. Martin Parish  
Minutes of Meeting**



<b>Meeting Subject:</b>		<b>Document No.</b>	<b>Rev:</b>
St. Martin Parish Hazard Mitigation Plan Update Committee 3 <sup>rd</sup> Committee Meeting		152867-PM-MM-00003	0
<b>Meeting Date:</b>	28 OCT 2014	<b>CB&amp;I Contract Number:</b>	152867
<b>Meeting Location:</b>	Fire District Training Center	<b>Client Contract Number:</b>	N/A
		<b>iDocs File Number:</b>	TBD
<b>Attendees:</b>			
<b>Name:</b>	<b>Company</b>	<b>Name</b>	<b>Company</b>
Heath Babineaux	St. Martin Parish	Terry Guidry	St. Martin Parish
Allen Blanchard	St. Martin Parish School Board	Larry Landry	Breaux Bridge Police Dept.
Dane Carriere	St. Martin Hospital	Charles Langlinais	Broussard
Brian Castille	St. Martin Parish	Bryan Laperose	St. Martin Hospital
Randy "Crip" Cormier	Breaux Bridge	Donna Lasseigne	St. Martinville
John Dugas	Parks	Dolores Quebedeaux	Arnaudville
Khristy Hulin	St. Martin Parish School Board	Nicole Cutforth	CB&I
Stuart Gauthier	St. Martin Parish	Brooke McChristian	CB&I
Joseph Guidry	Breaux Bridge		
<b>Distribution: All Attendees Plus: N/A</b>			
<b>Name</b>	<b>Company</b>	<b>Name</b>	<b>Company</b>
<b>Prepared By:</b>	Brooke McChristian	<b>Reviewed By:</b>	Nicole Cutforth
<b>Company:</b>	CB&I	<b>Company:</b>	CB&I
<b>Signature:</b>		<b>Signature:</b>	
<b>Date:</b>	11/03/2014	<b>Date:</b>	11/04/2014



## St. Martin Parish Minutes of Meeting



<b>Meeting Subject:</b>	<b>Document No.</b>	<b>Rev:</b>
<b>St. Martin Parish Hazard Mitigation Plan Update Committee 3<sup>rd</sup> Committee Meeting</b>	<b>152867-PM-MM- 00003</b>	<b>0</b>

<b>Item</b>	<b>Description of Discussion</b>	<b>Action By</b>	<b>Complete By Date</b>
<b>1.0</b>	<p><b>Introductions and Welcome</b> The St. Martin Parish Hazard Mitigation Plan Update Committee held their third open to the public meeting at the Fire District Training Center in Breaux Bridge, Louisiana, on Tuesday, October 28, 2014. The purpose of the meeting was to allow attendees to provide input on project prioritization.</p> <p>Terry Guidry, St. Martin Parish Director of Homeland Security and Emergency Preparedness, introduced Nicole Cutforth from CB&amp;I and welcomed and thanked everyone for coming. He noted that Cassie Alexander, DPW Director, passed away and we should keep his family in our thoughts and prayers as he was integral to establishing an HMGP Program in St. Martin Parish.</p>		
<b>2.0</b>	<p><b>Summary of Second Meeting</b> Nicole reviewed the second meeting agenda and discussed what would be reviewed at meeting three. Nicole informed the attendees that it is very important to have all projects sent in by our final meeting held on November 18, 2014 in order for the projects to be listed in the updated Hazard Mitigation Plan.</p>		
<b>3.0</b>	<p><b>Project Prioritization</b> Nicole provided each attendee with two project handouts. She asked that each of them prioritize each project based on which one they think is the most important to least important. She also provided them with the STAPLEE handout and explained to them to keep each of the STAPLEE categories in mind as they prioritized each project. Nicole discussed that the project prioritization handouts would be used to update the Project List/Hazard Mitigation Plan.</p>		
<b>4.0</b>	<p><b>Conclusion</b> Next Phase – Draft Plan Review – November 18, 2014</p>		
<b>5.0</b>	<p><b>Adjourn</b></p>		

# Public Notice

## Meeting Announcement

### St. Martin Parish Hazard Mitigation Plan Update 2015

St. Martin Parish is updating the parish's Hazard Mitigation Plan. The purpose of the plan update is to identify and pursue preventative measures that will reduce future damages from natural hazards. The committee will review the draft plan. The public is encouraged to attend this meeting.

**Tuesday, November 18th, 2014 at 2:00 pm**

**Fire Training Center**

**1035-A Ruth Bridge Hwy**

**Breaux Bridge, LA 70517**

Please direct questions about the meeting to Nicole Cutforth, CB&I, at (225) 987-7373.

11.12.14

**Attachment c1-3.4B  
Meeting 4—Sign-in Sheet**



**Attachment c1-3.4C**  
**Meeting 4—Meeting Summary Notes**

**Attachment c1-3.4D**  
**Meeting 4—PowerPoint Presentation Slides**









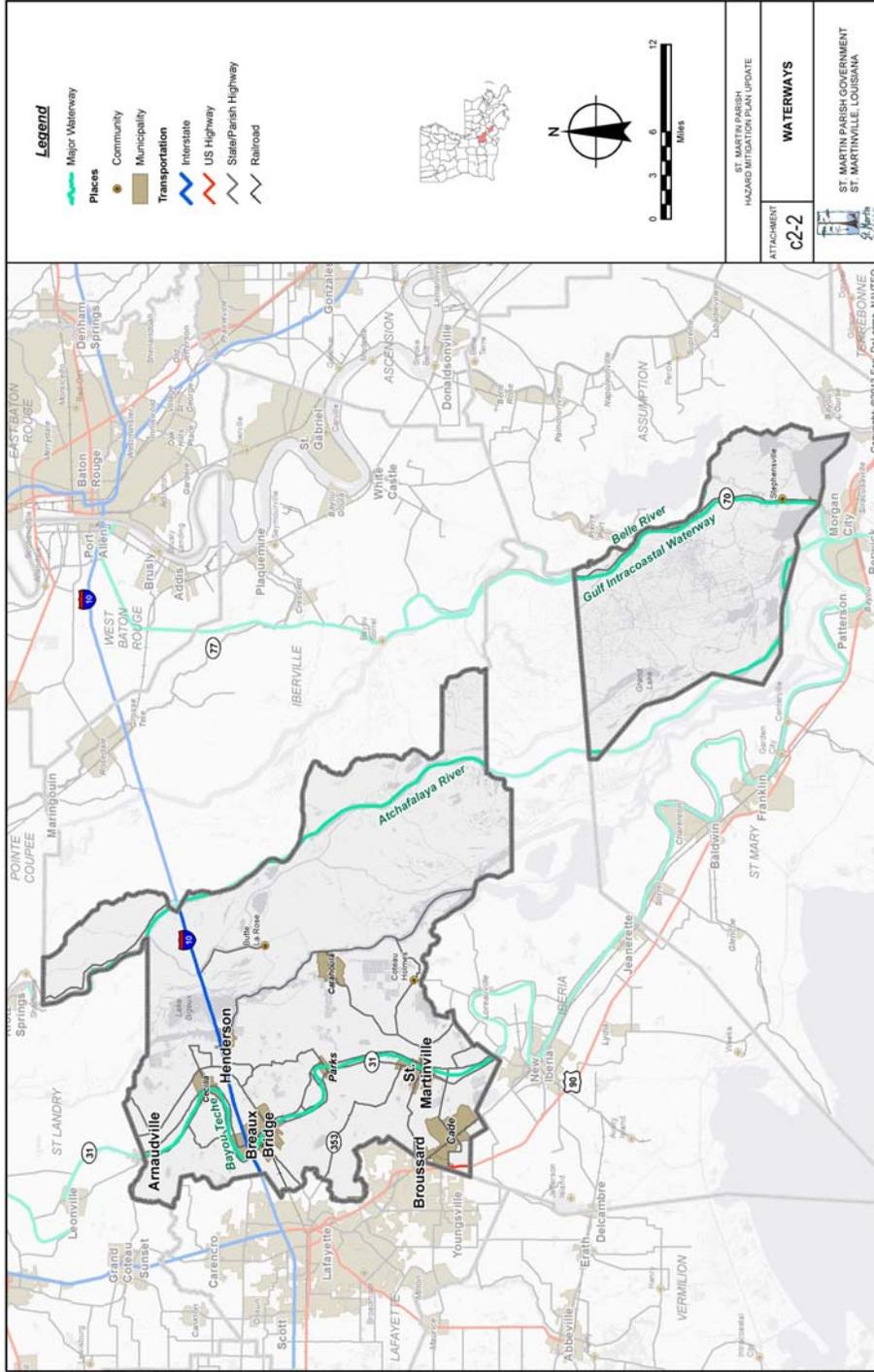




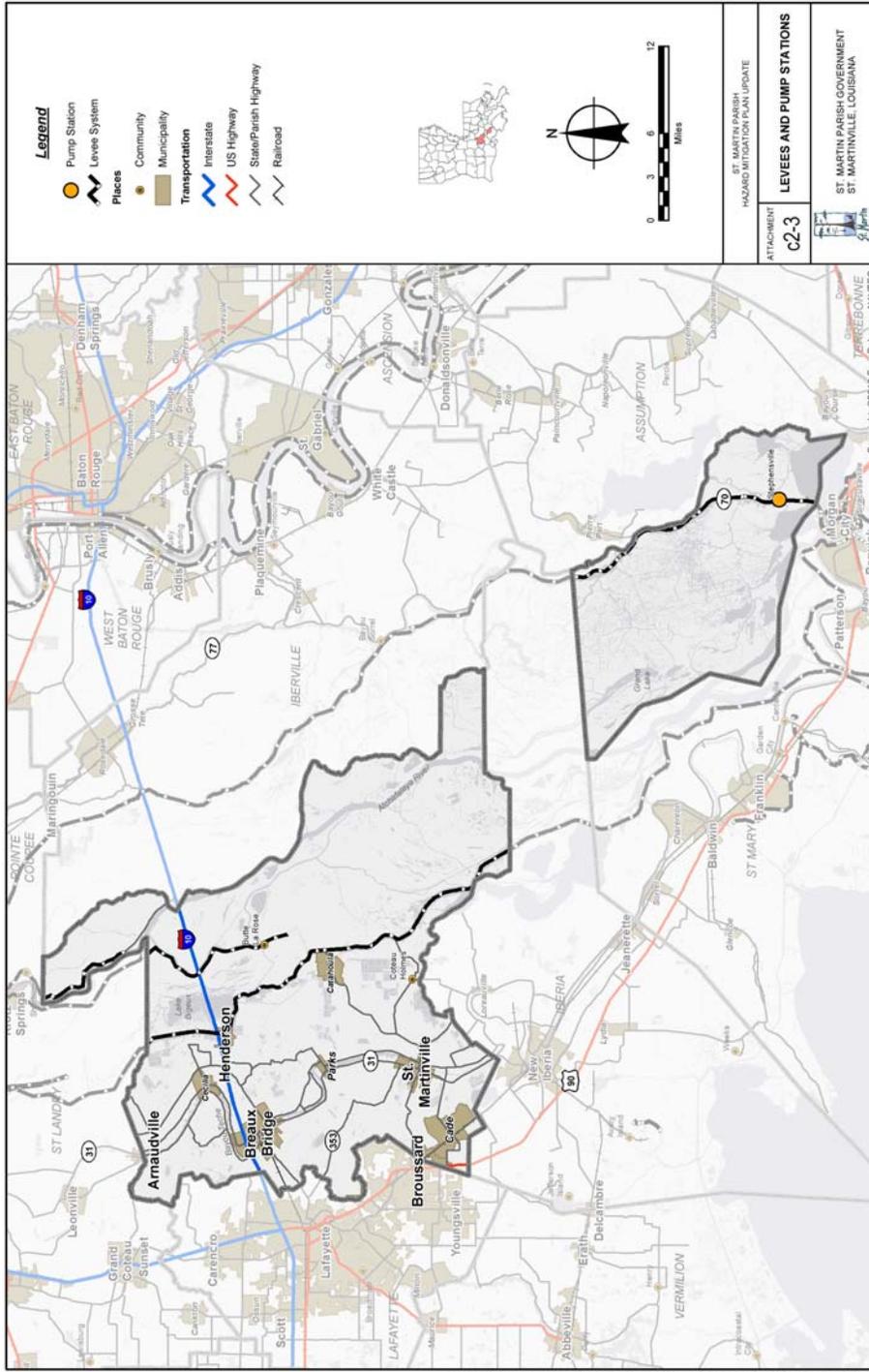




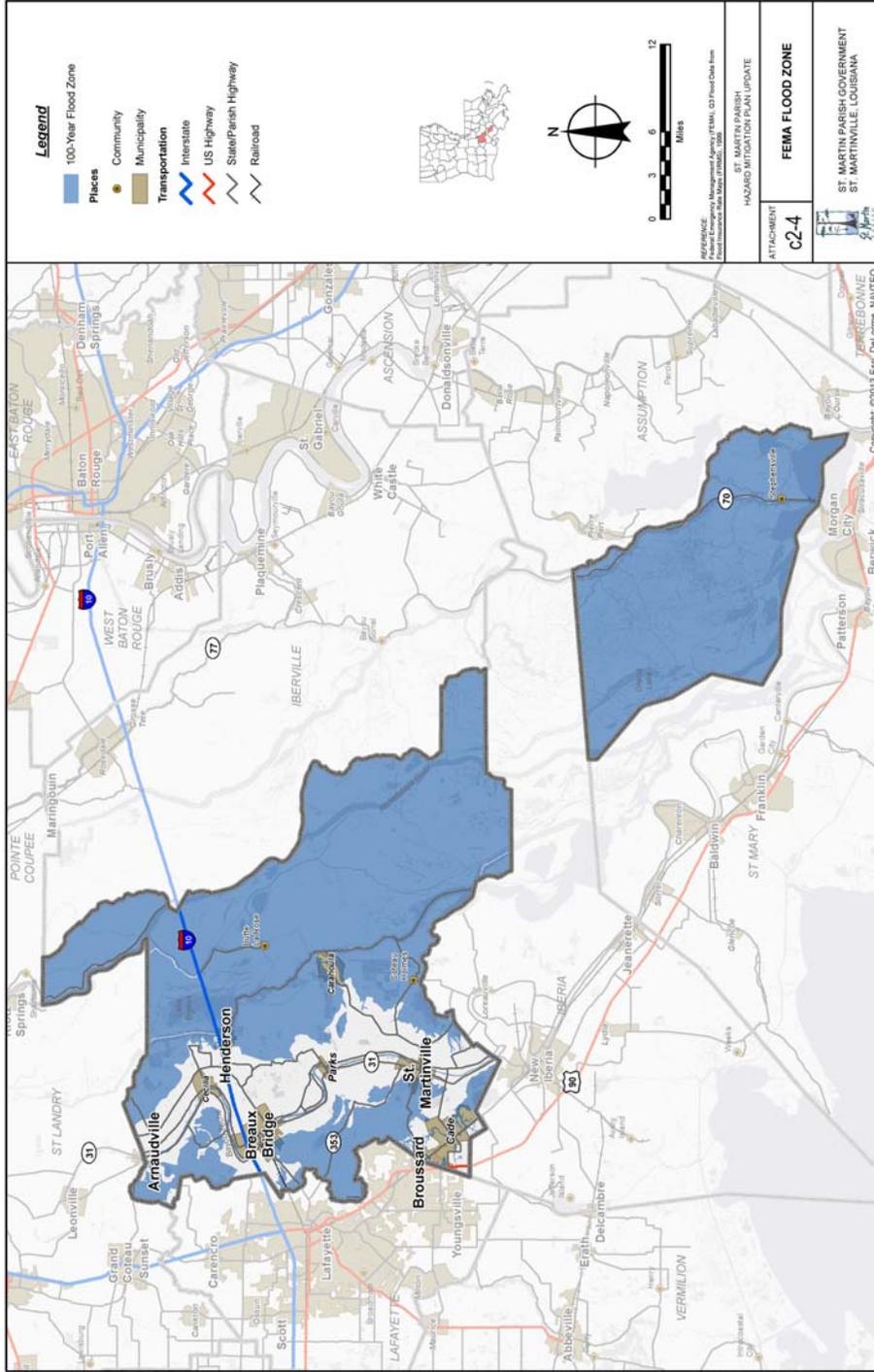
# Attachment c2-2 Waterways Map



## Attachment c2-3 Levees and Pump Stations Map

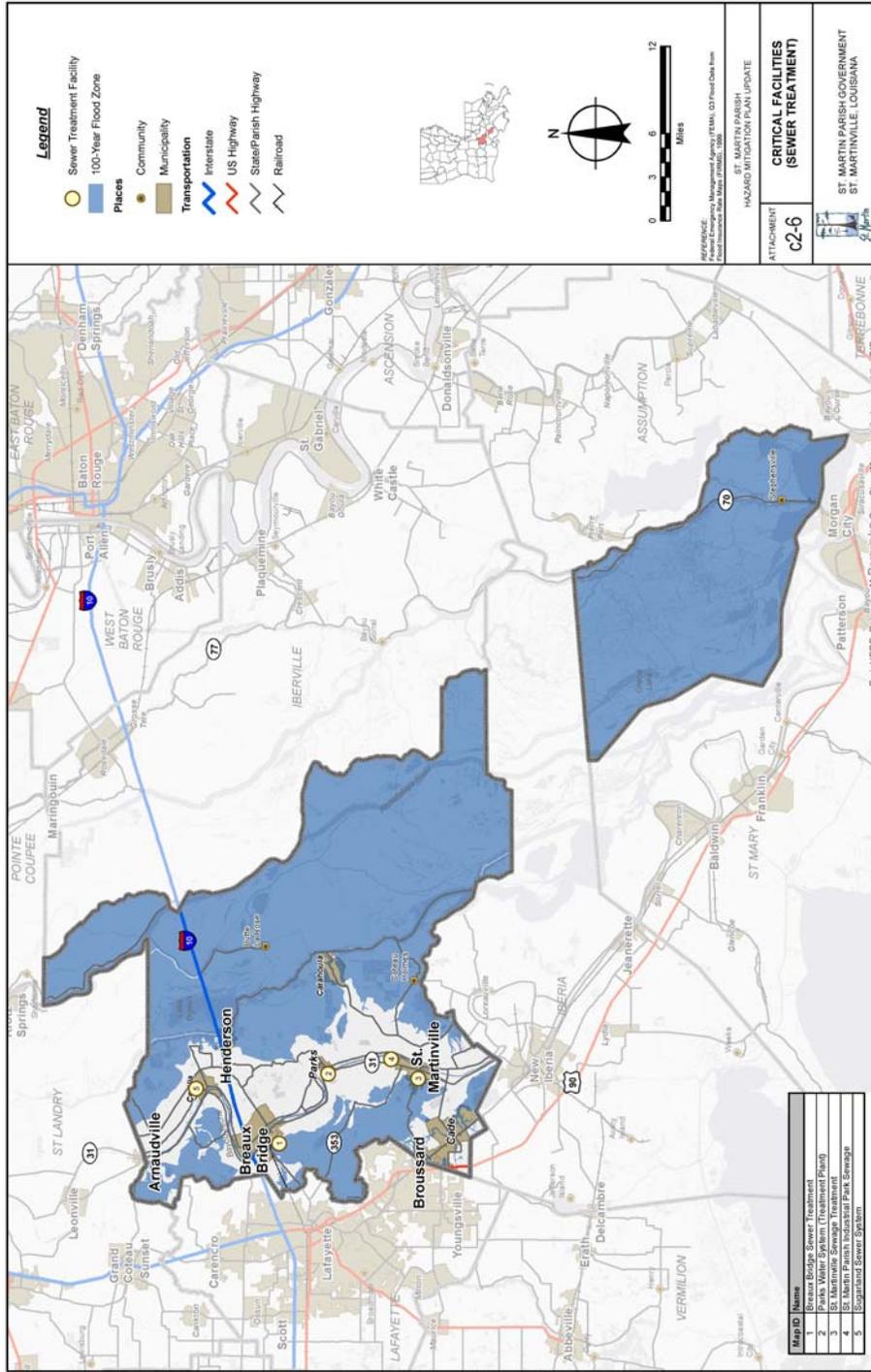


# Attachment c2-4 FEMA Flood Zone Map

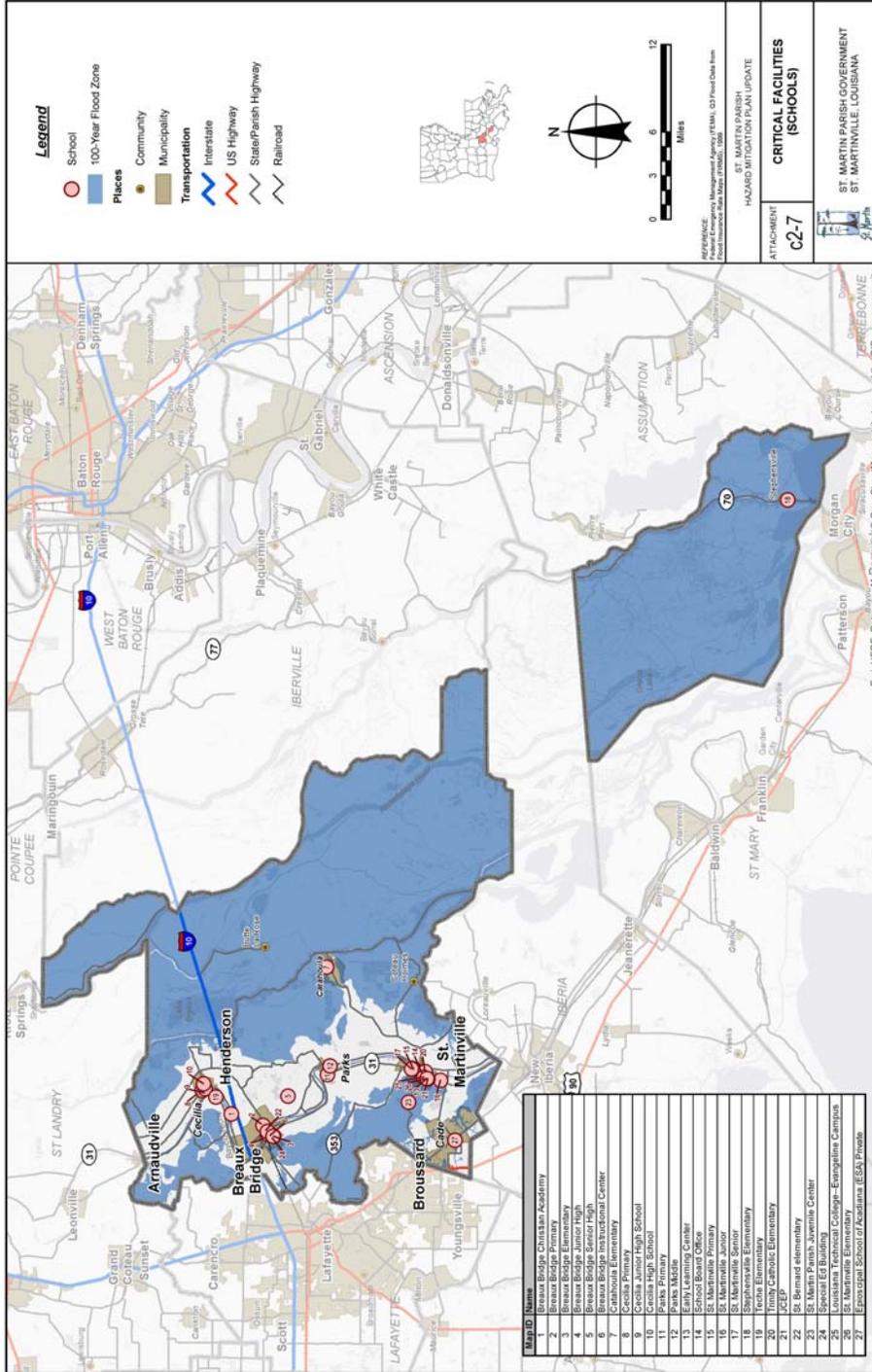




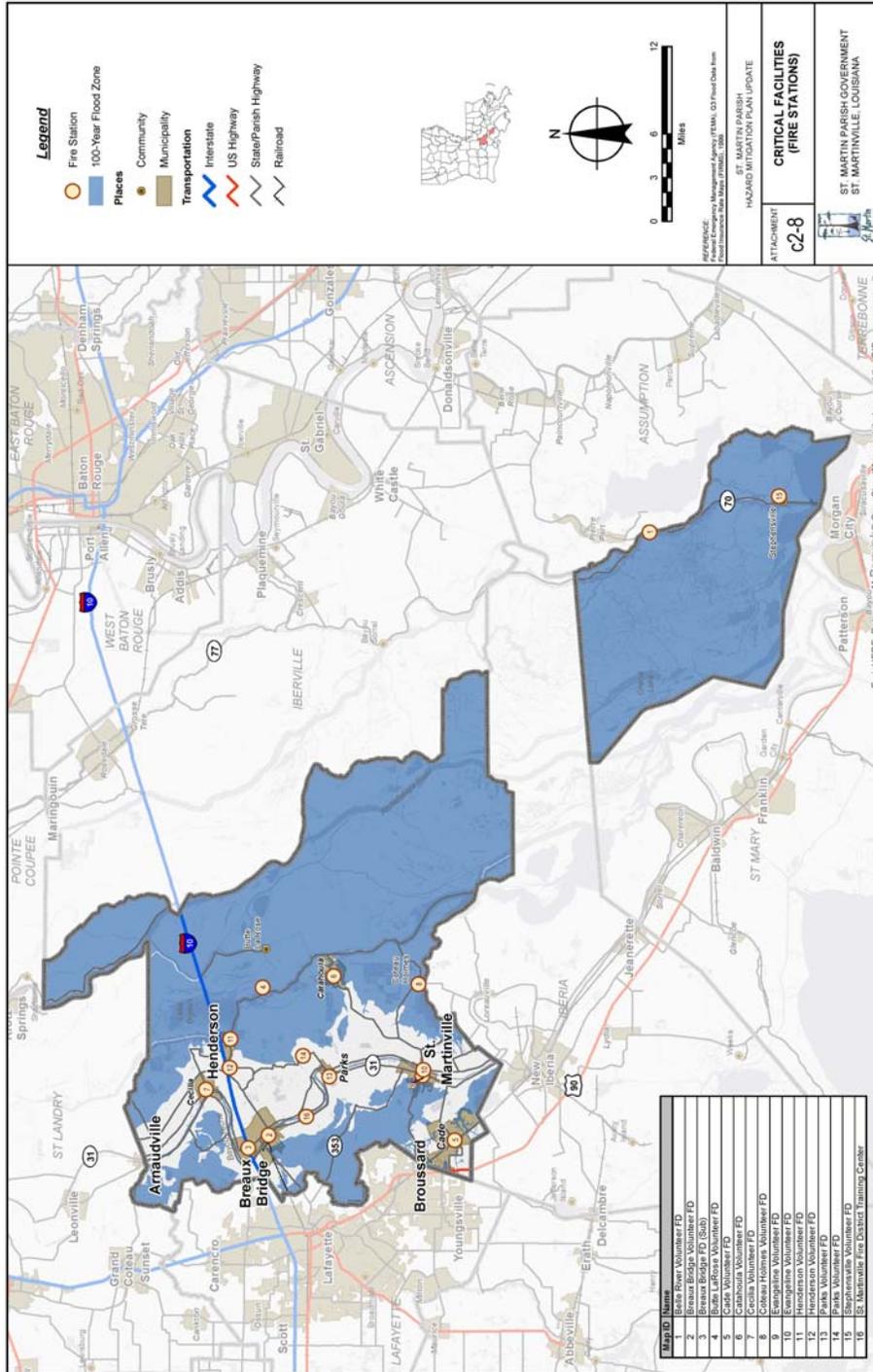
## Attachment c2-6 Critical Facilities—Sewer Treatment



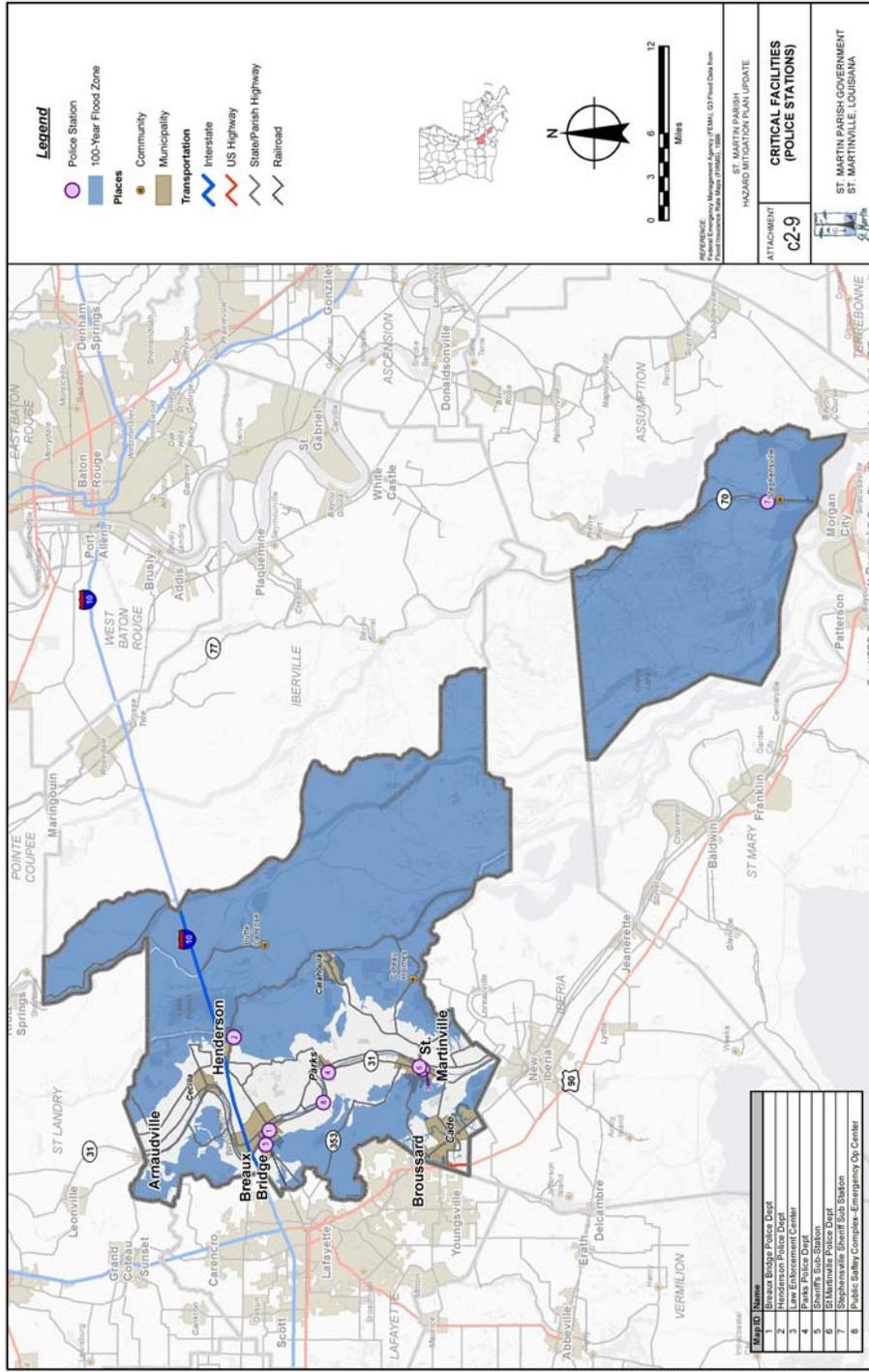
## Attachment c2-7 Critical Facilities—Schools



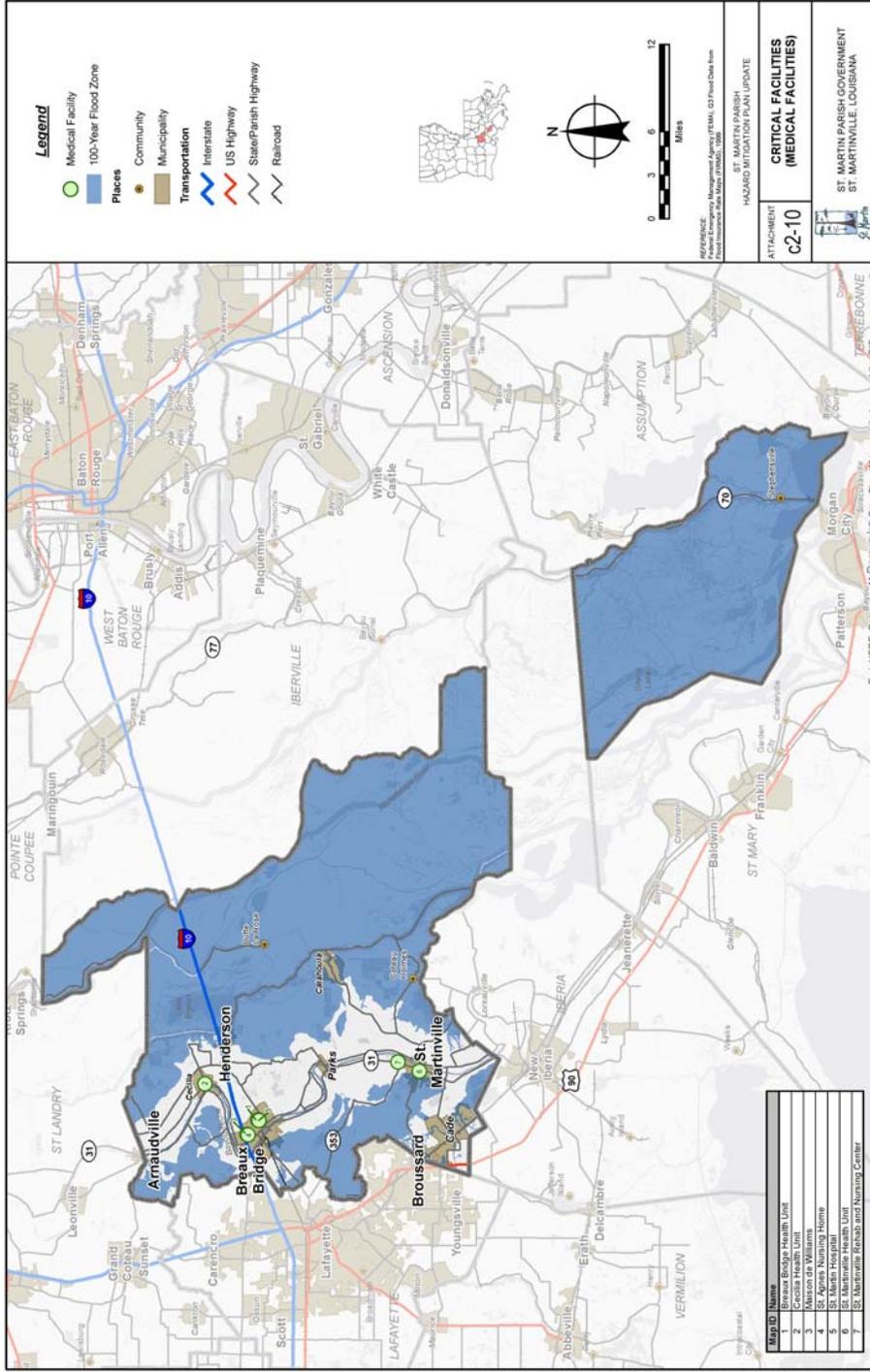
## Attachment c2-8 Critical Facilities—Fire Stations



## Attachment c2-9 Critical Facilities—Police Stations

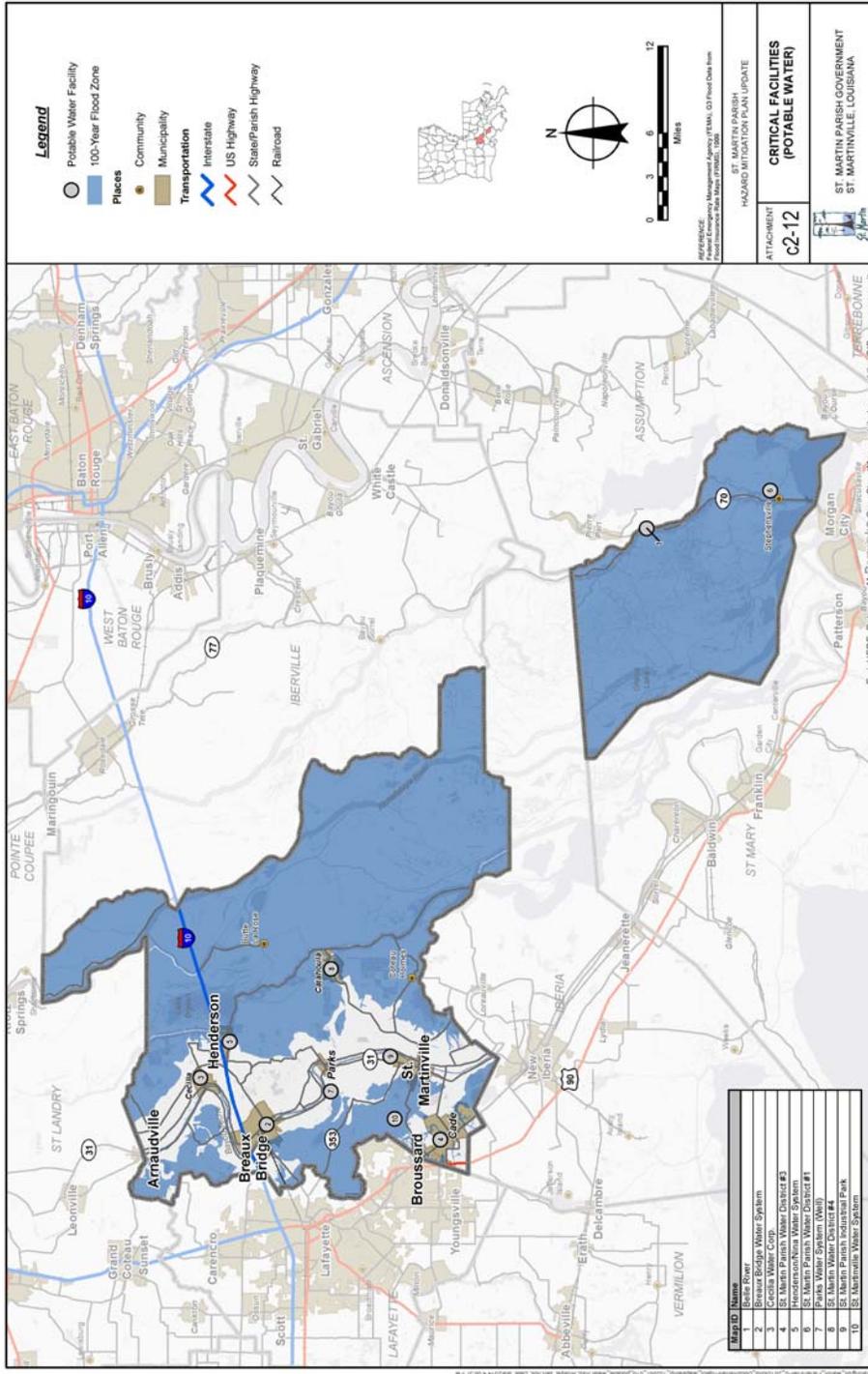


# Attachment c2-10 Critical Facilities—Medical Facilities

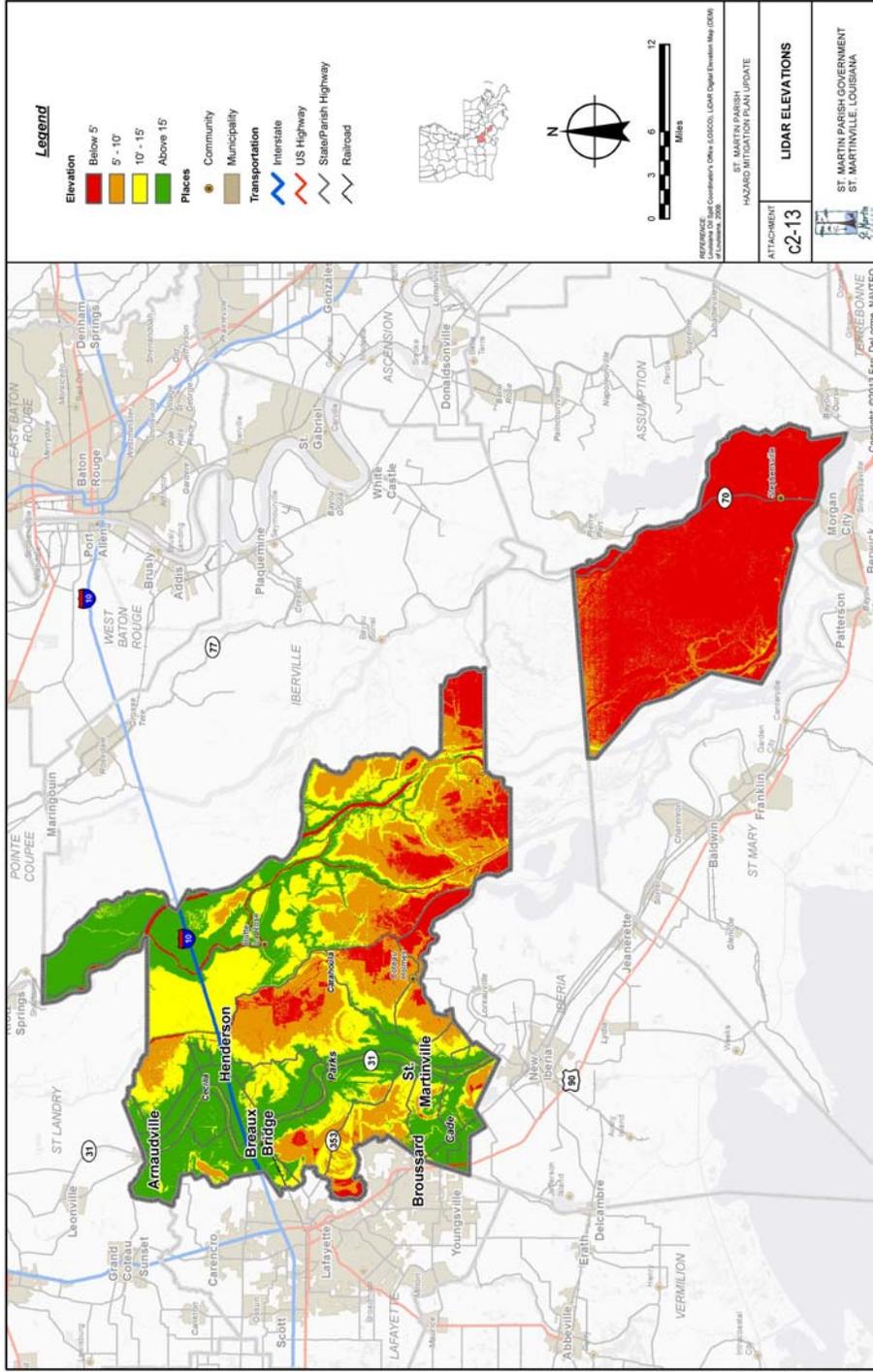




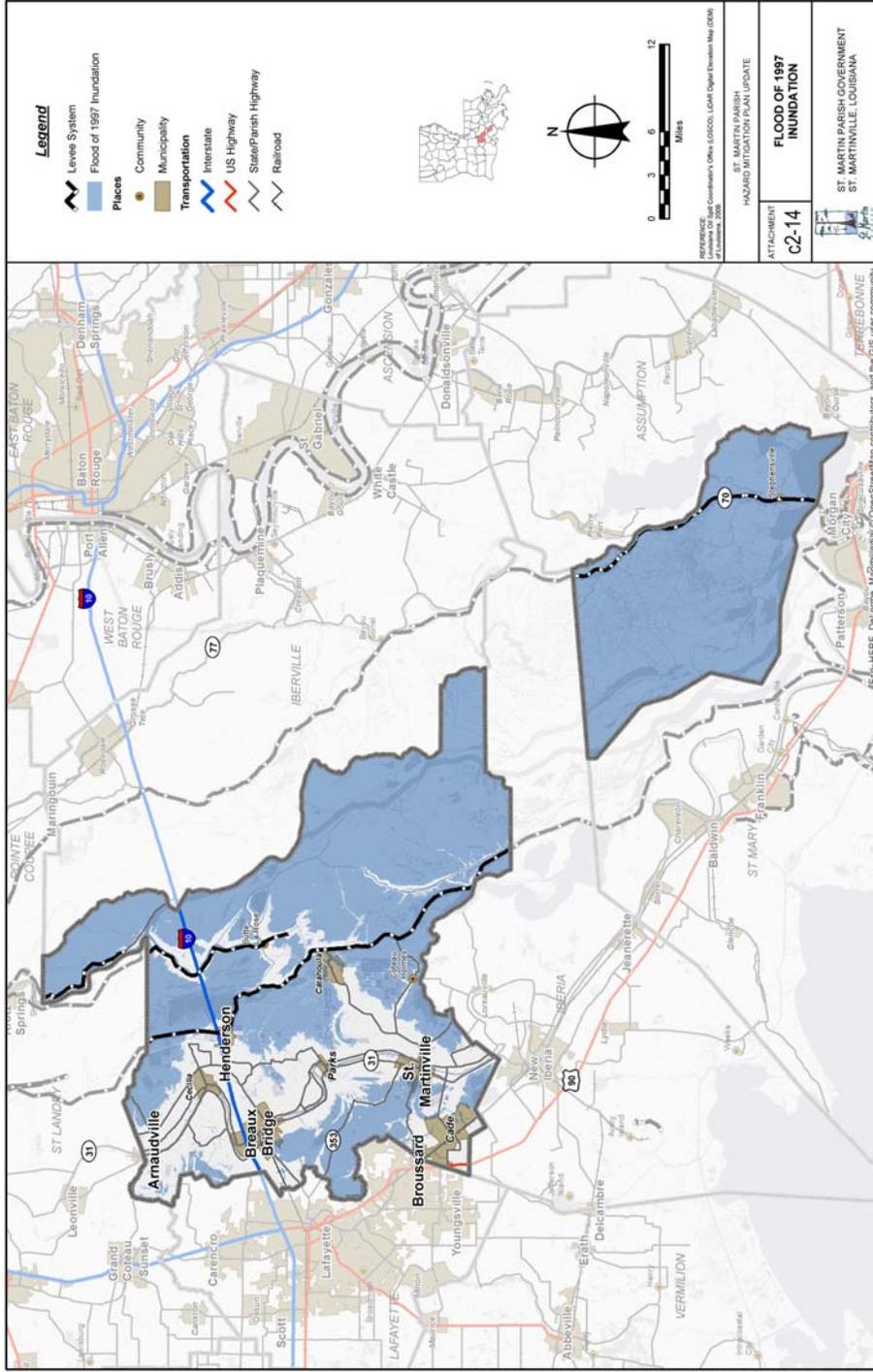
# Attachment c2-12 Critical Facilities—Potable Water



# Attachment c2-13 LIDAR Elevations Map



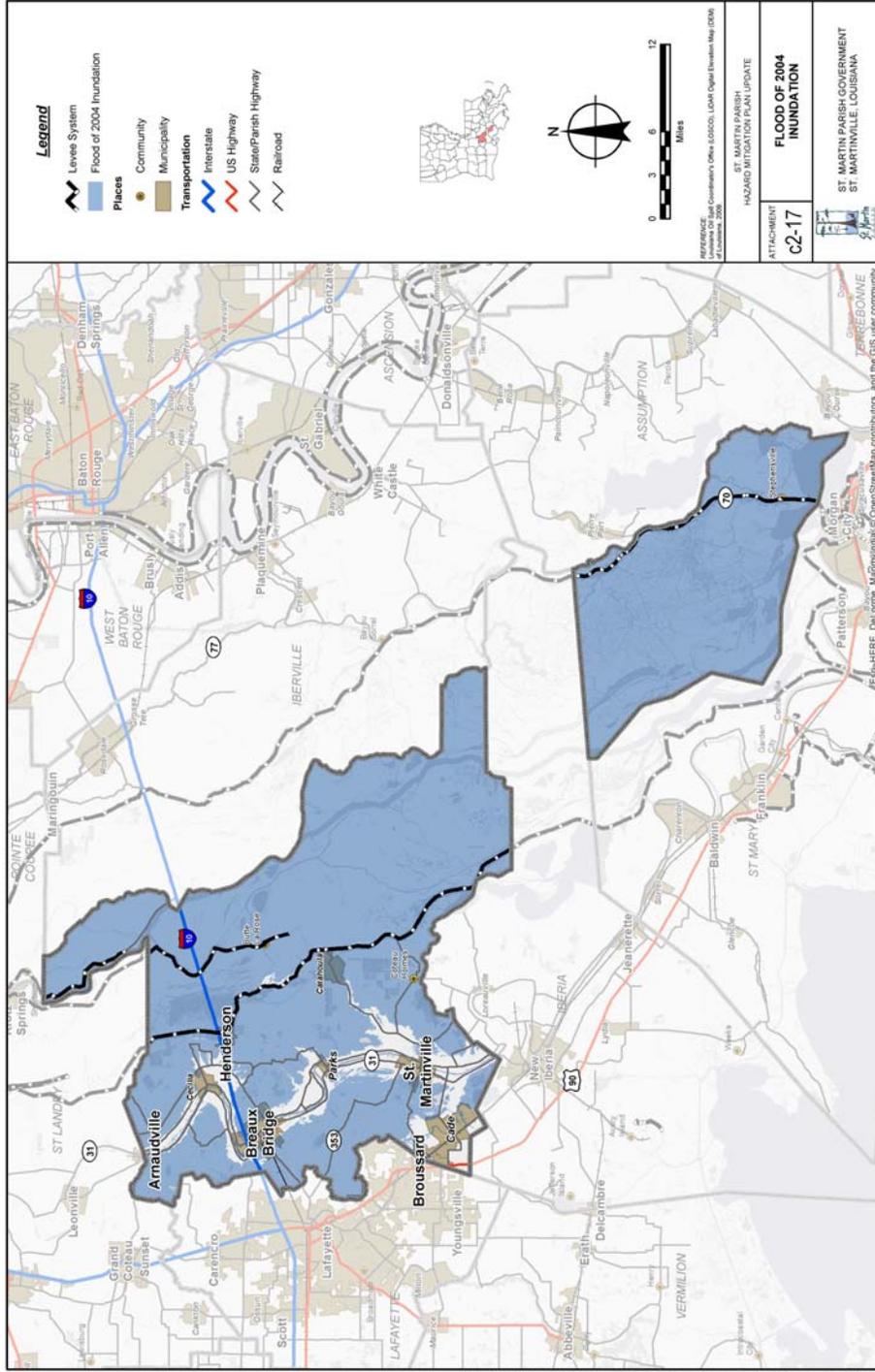
# Attachment c2-14 Flood of 1997 Inundation Map







# Attachment c2-17 Flood of 2004 Inundation

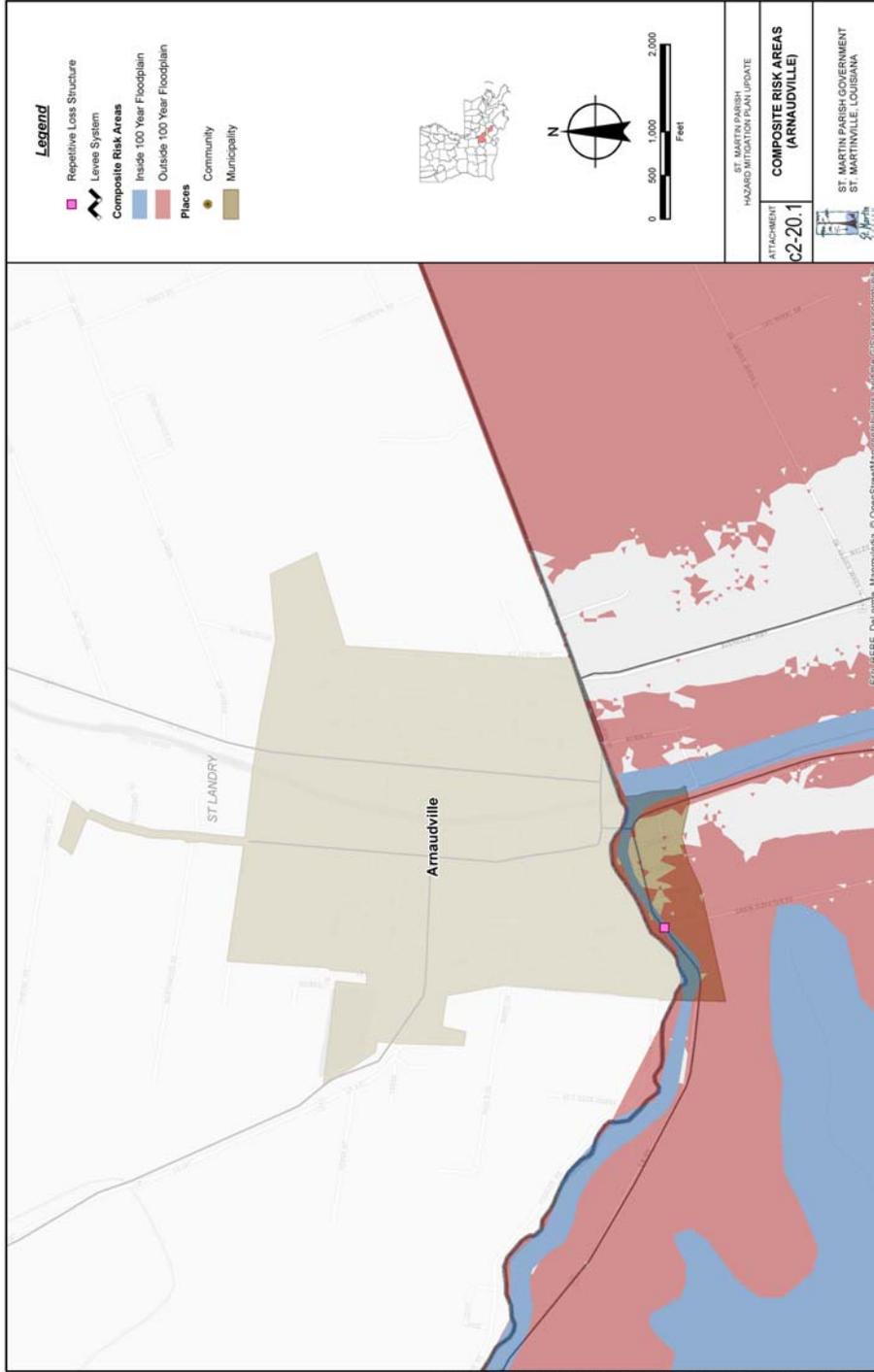




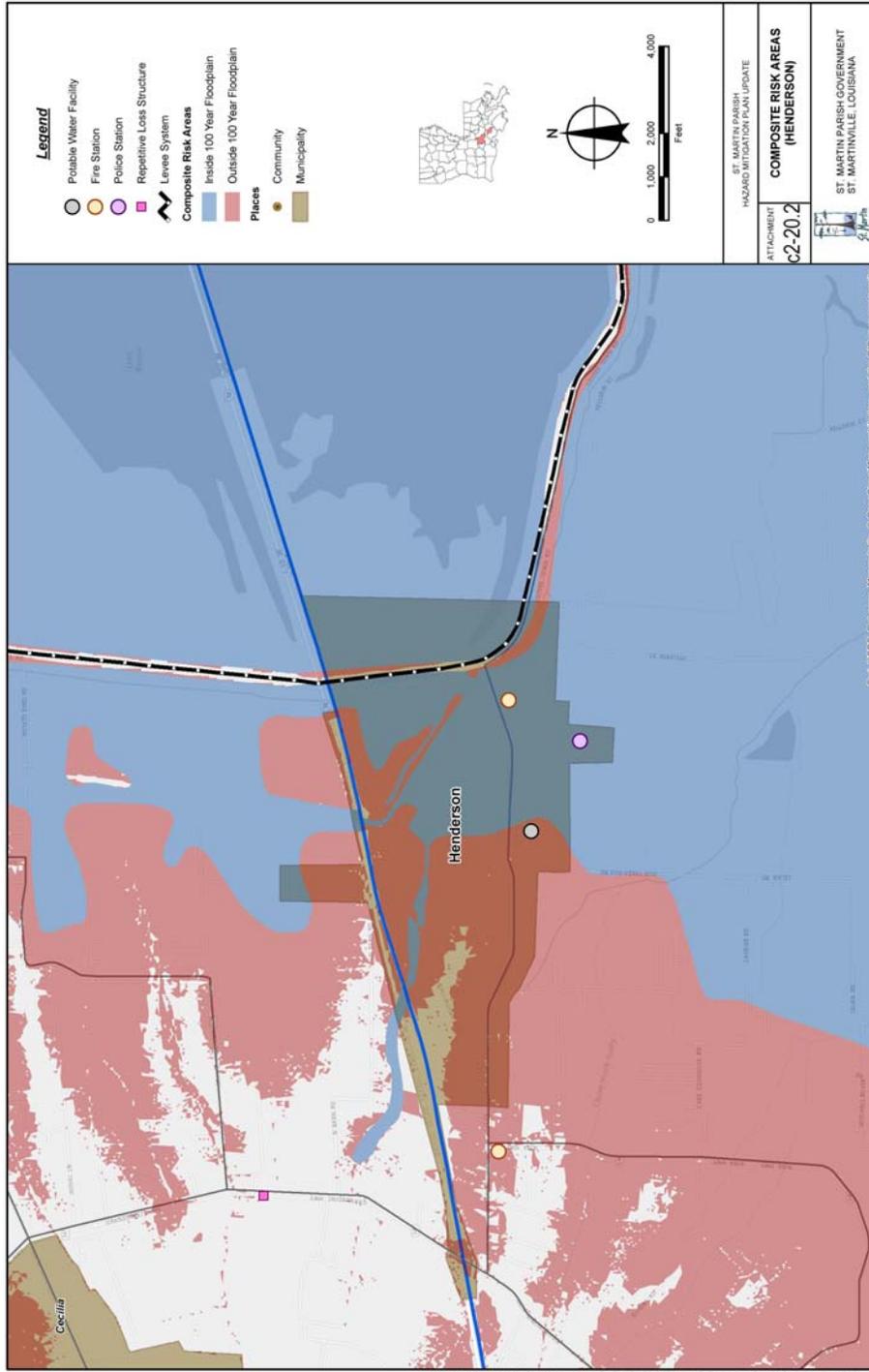




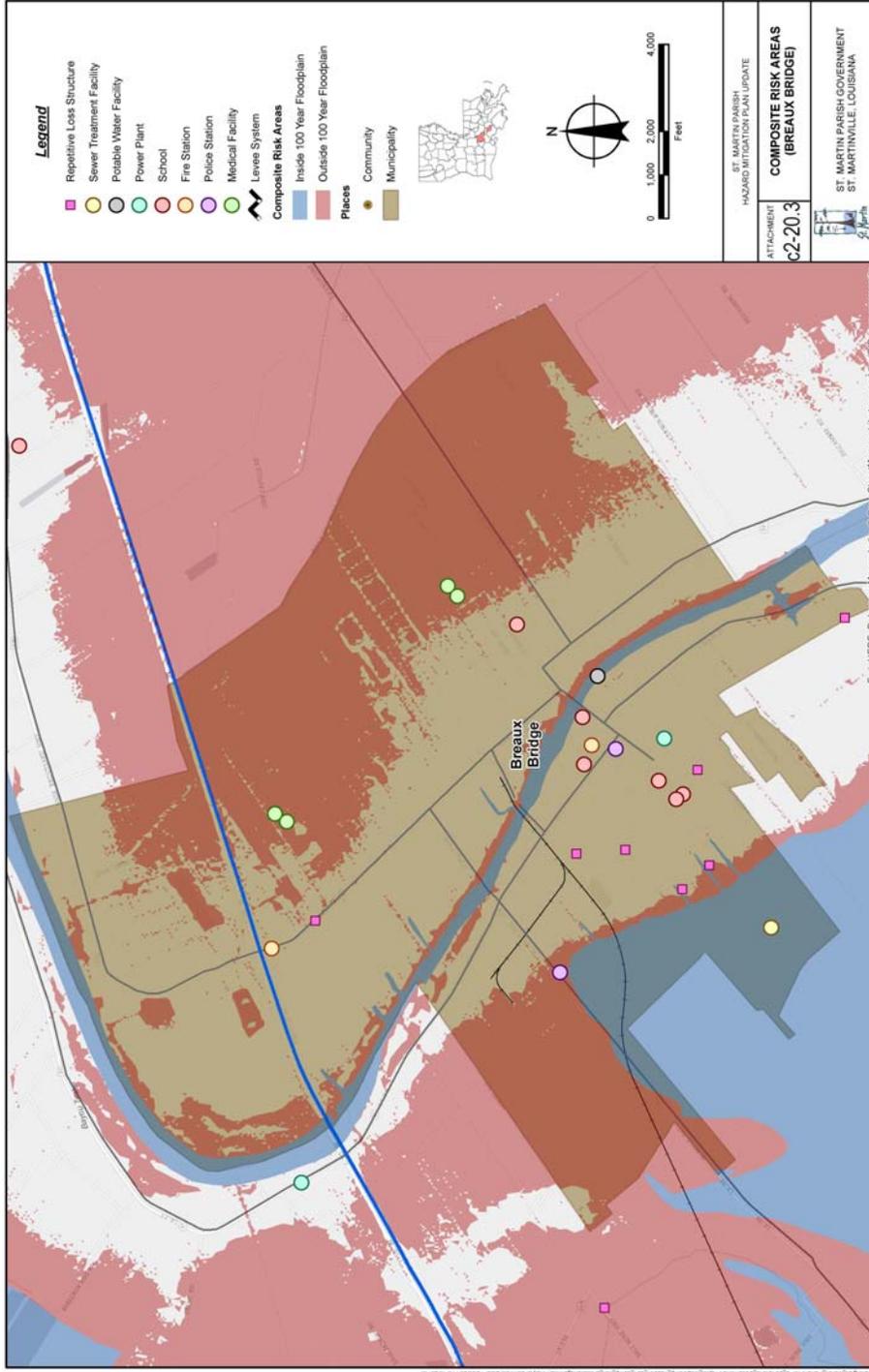
## Attachment c2-20.1 Composite Risk Areas—Arnaudville



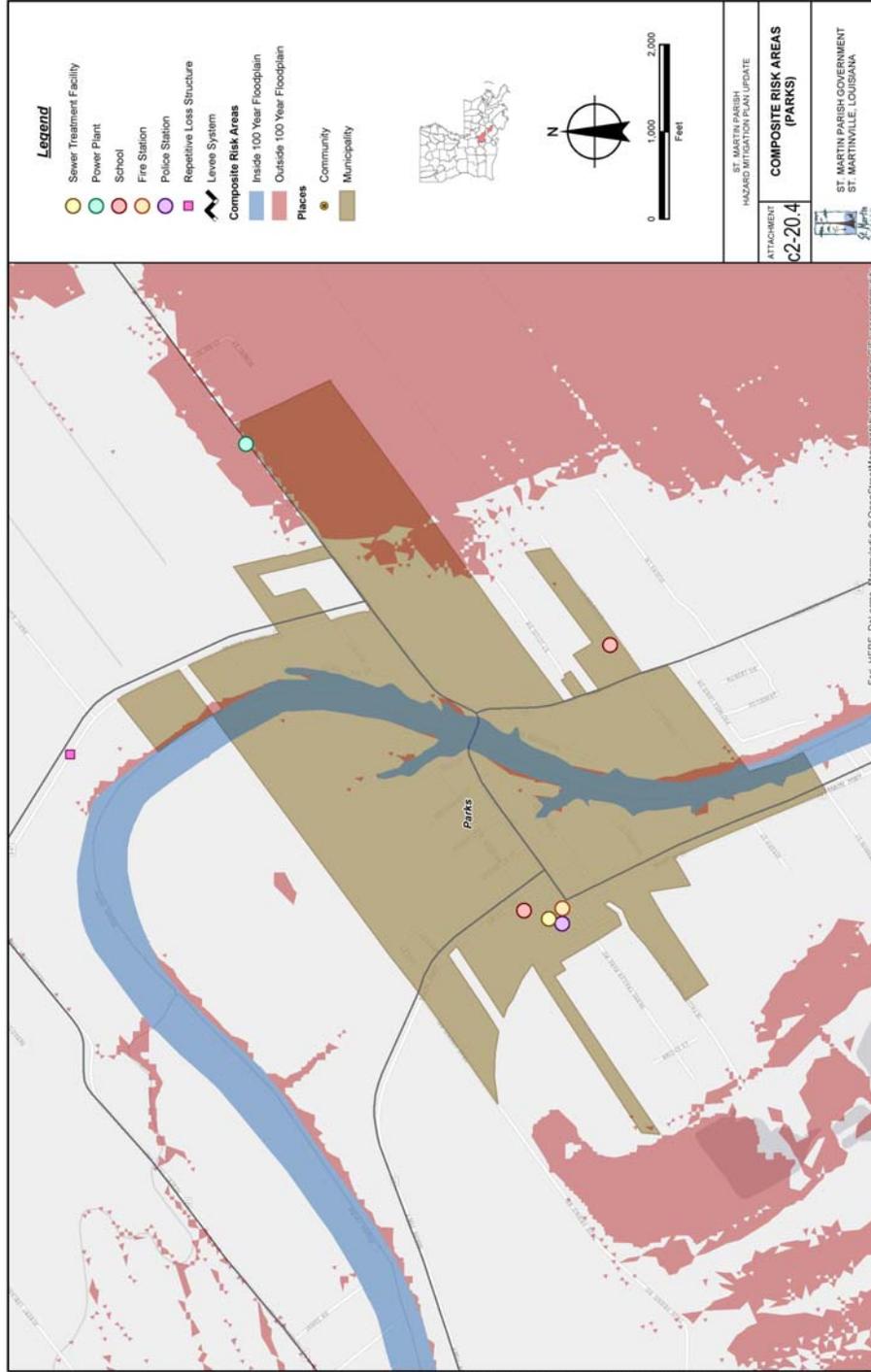
## Attachment c2-20.2 Composite Risk Areas—Henderson



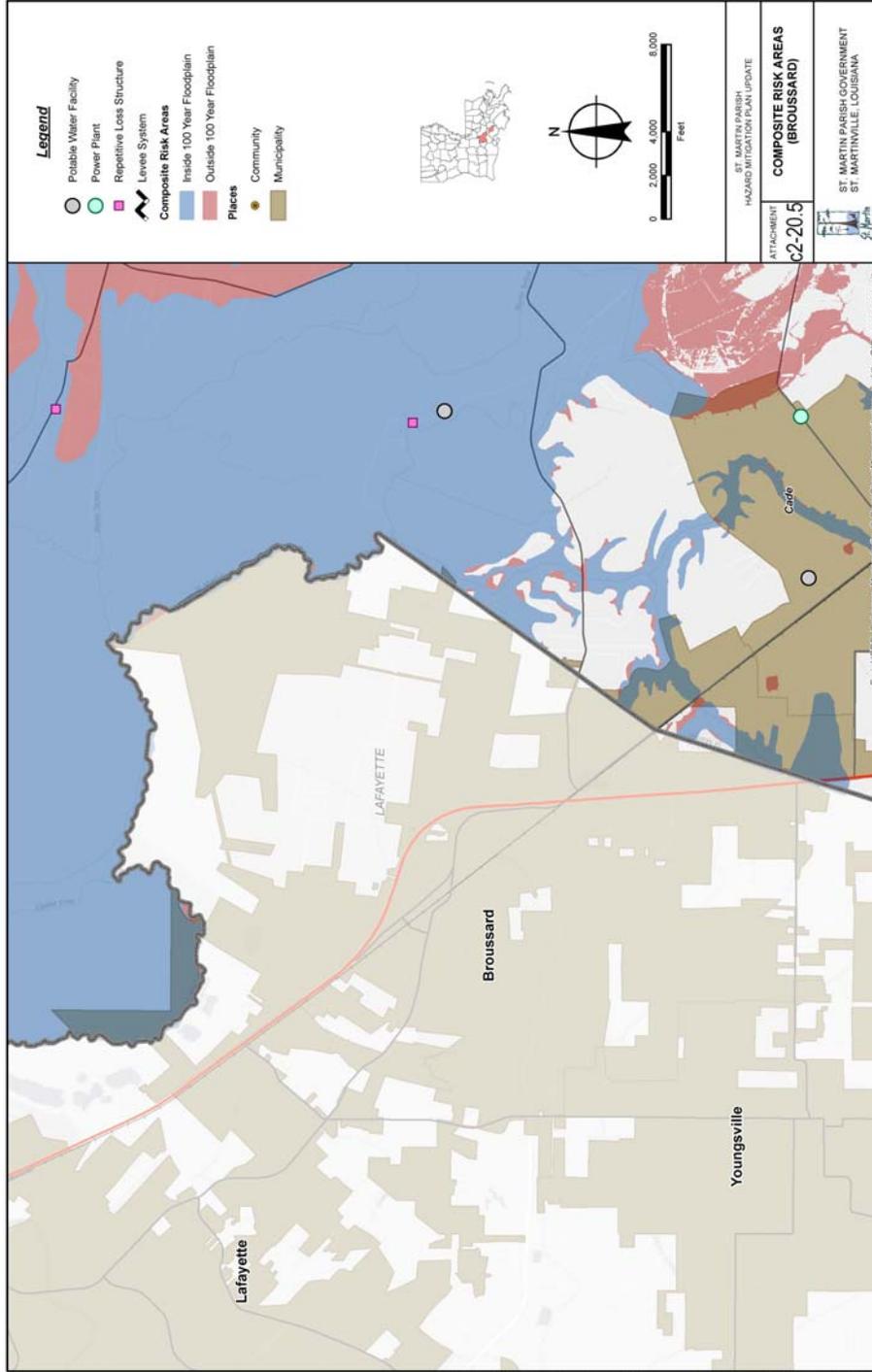
## Attachment c2-20.3 Composite Risk Areas—Breux Bridge



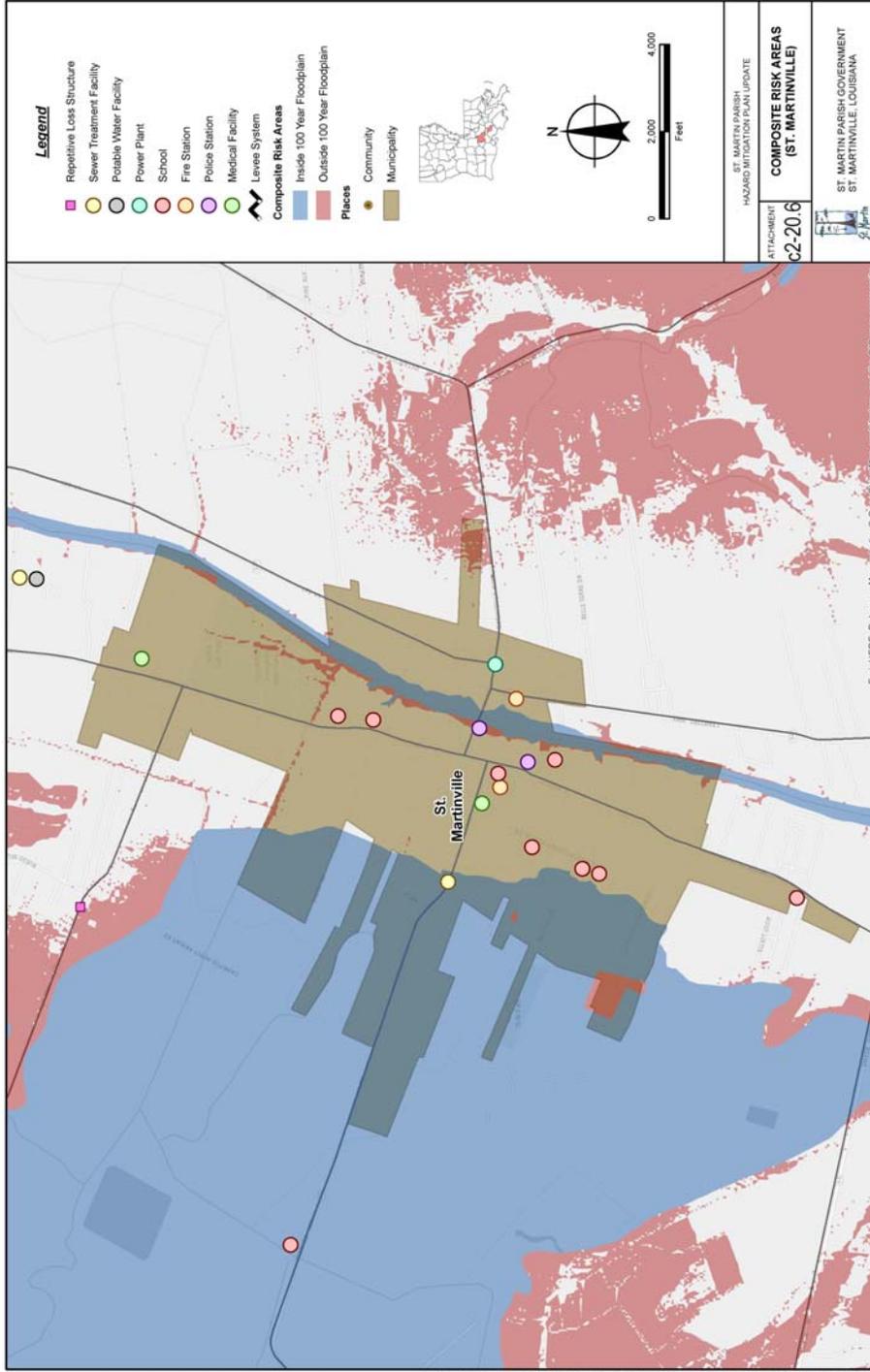
## Attachment c2-20.4 Composite Risk Areas—Parks



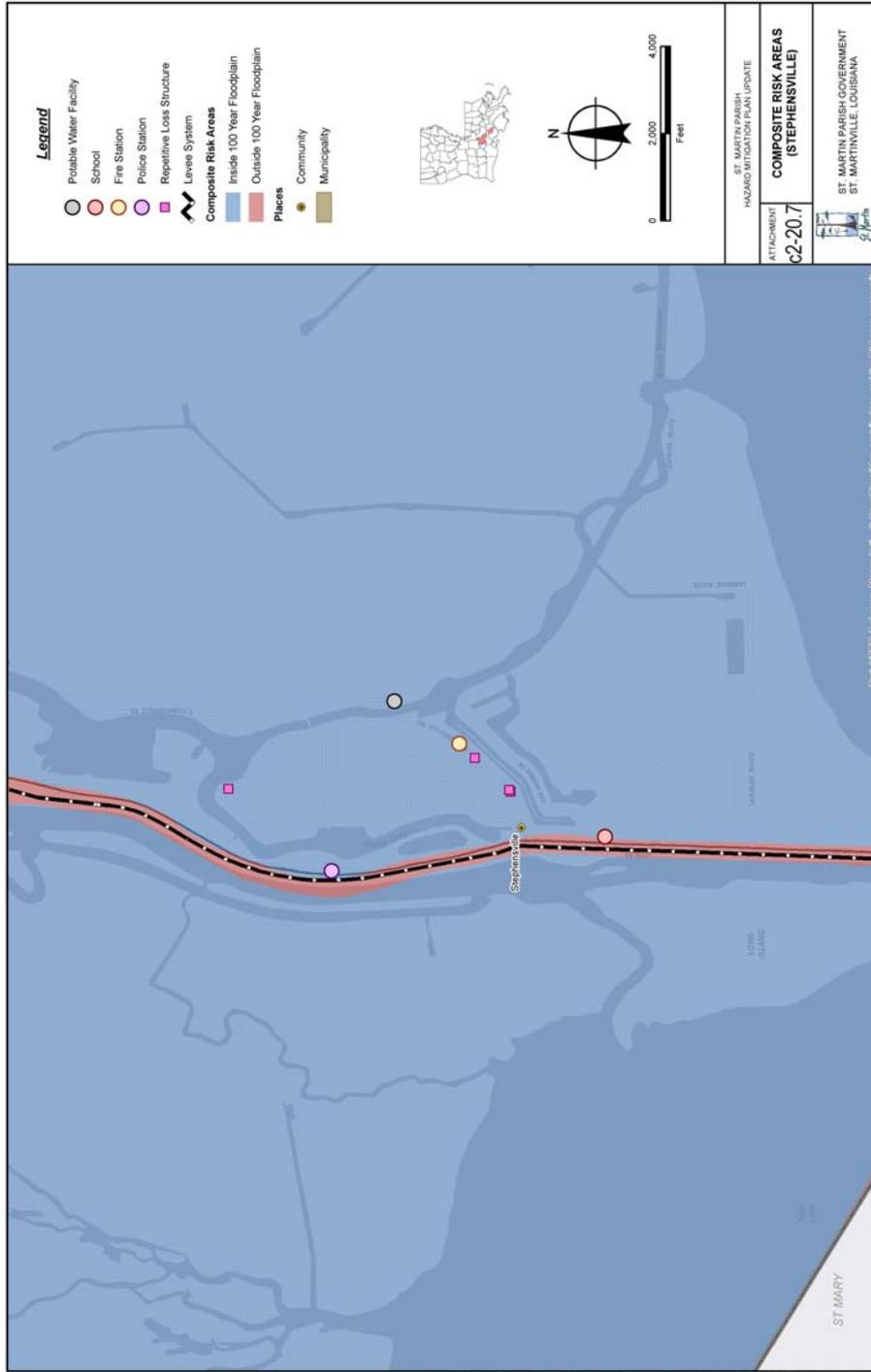
## Attachment c2-20.5 Composite Risk Areas—Broussard



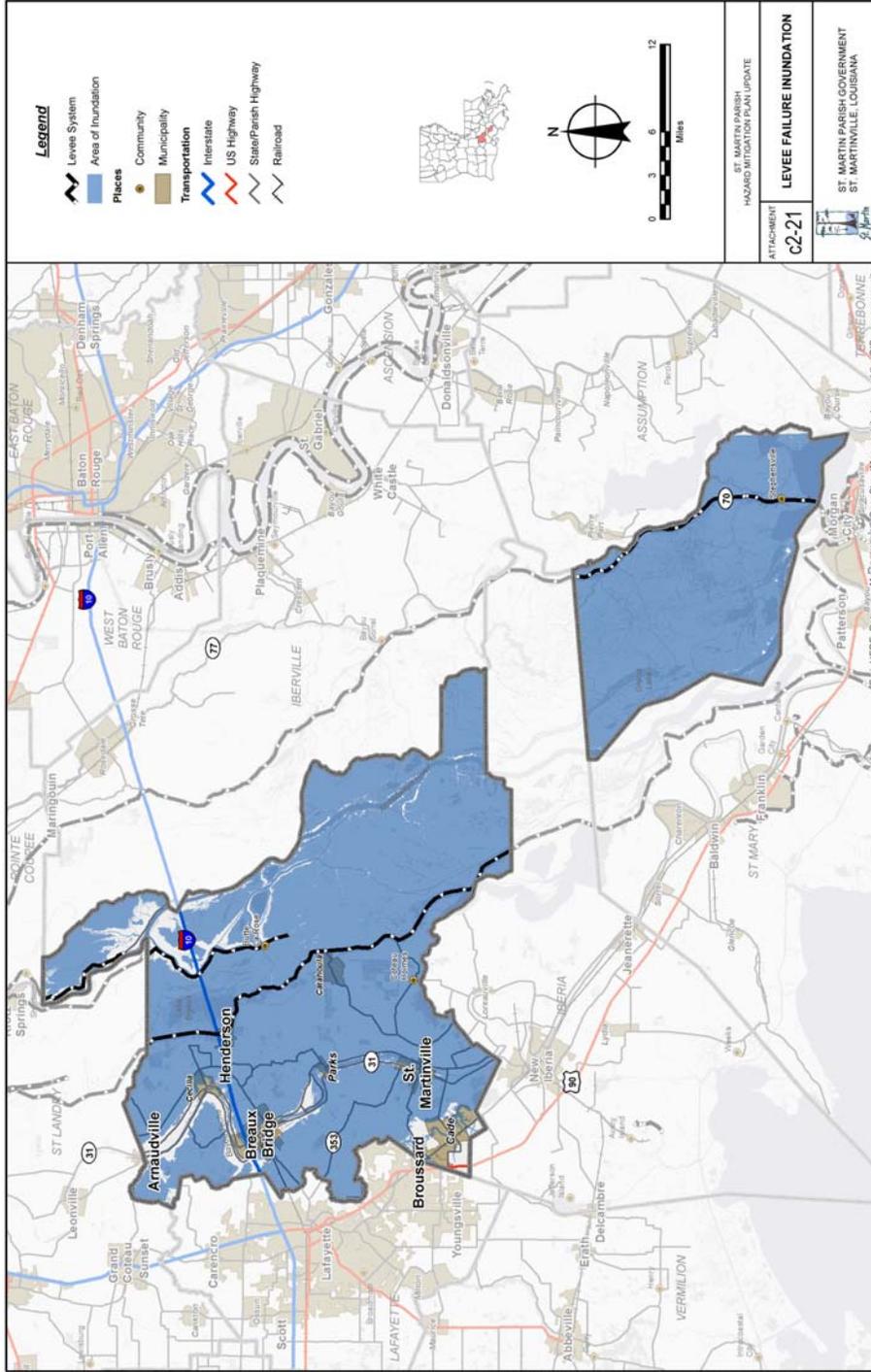
# Attachment c2-20.6 Composite Risk Areas—St. Martinville



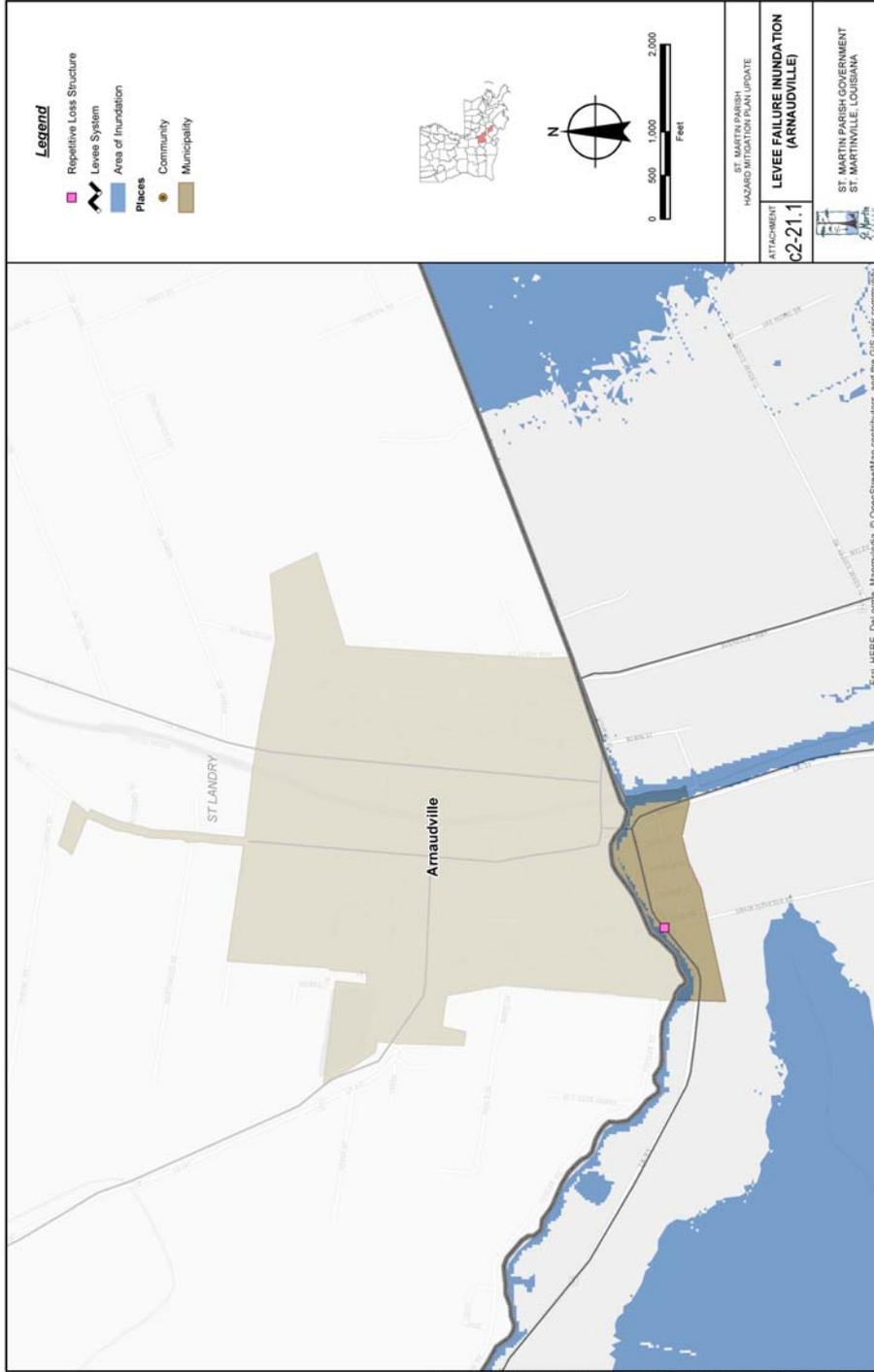
## Attachment c2-20.7 Composite Risk Areas—Stephensville



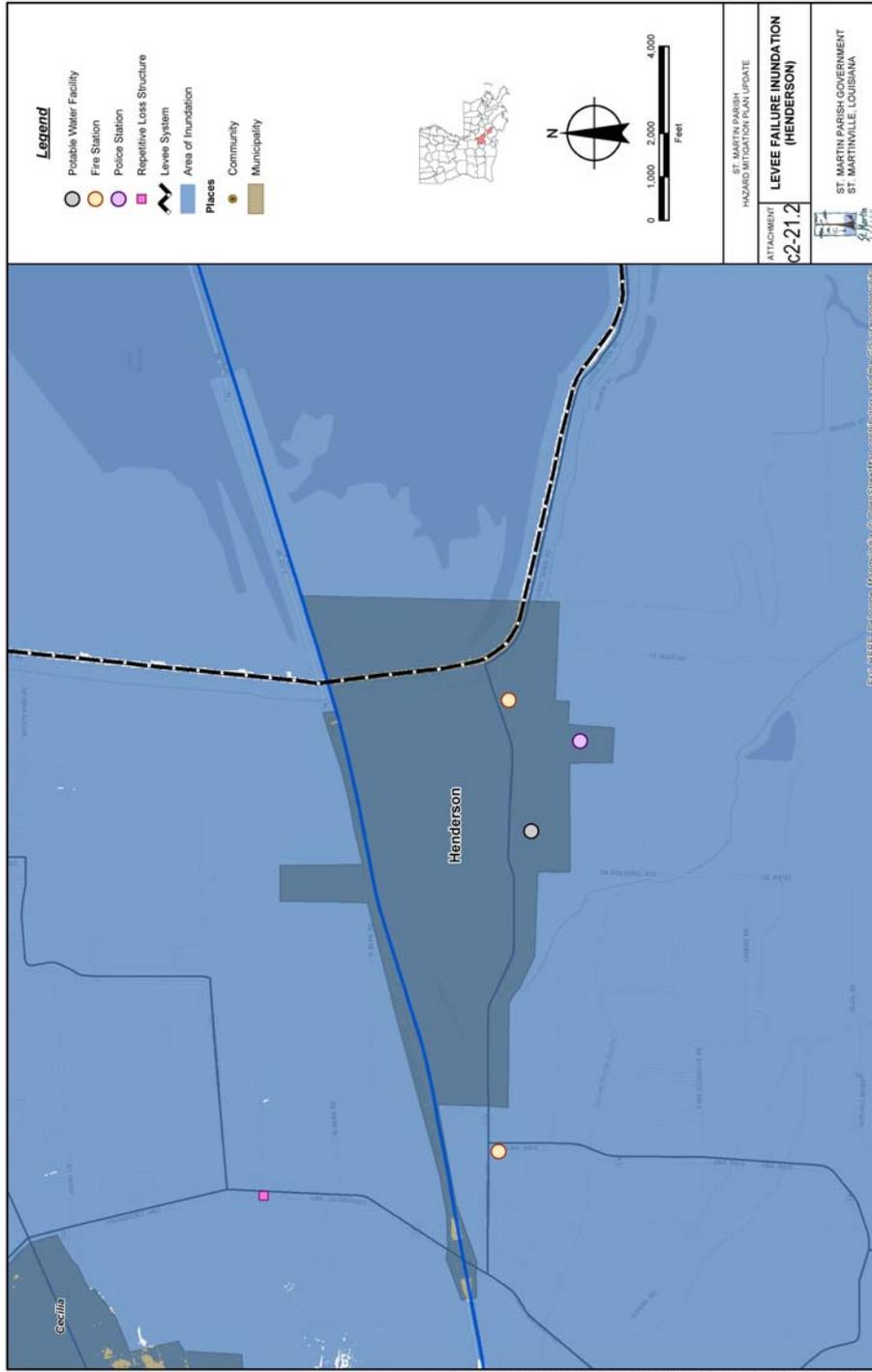
# Attachment c2-21 Levee Failure Inundation



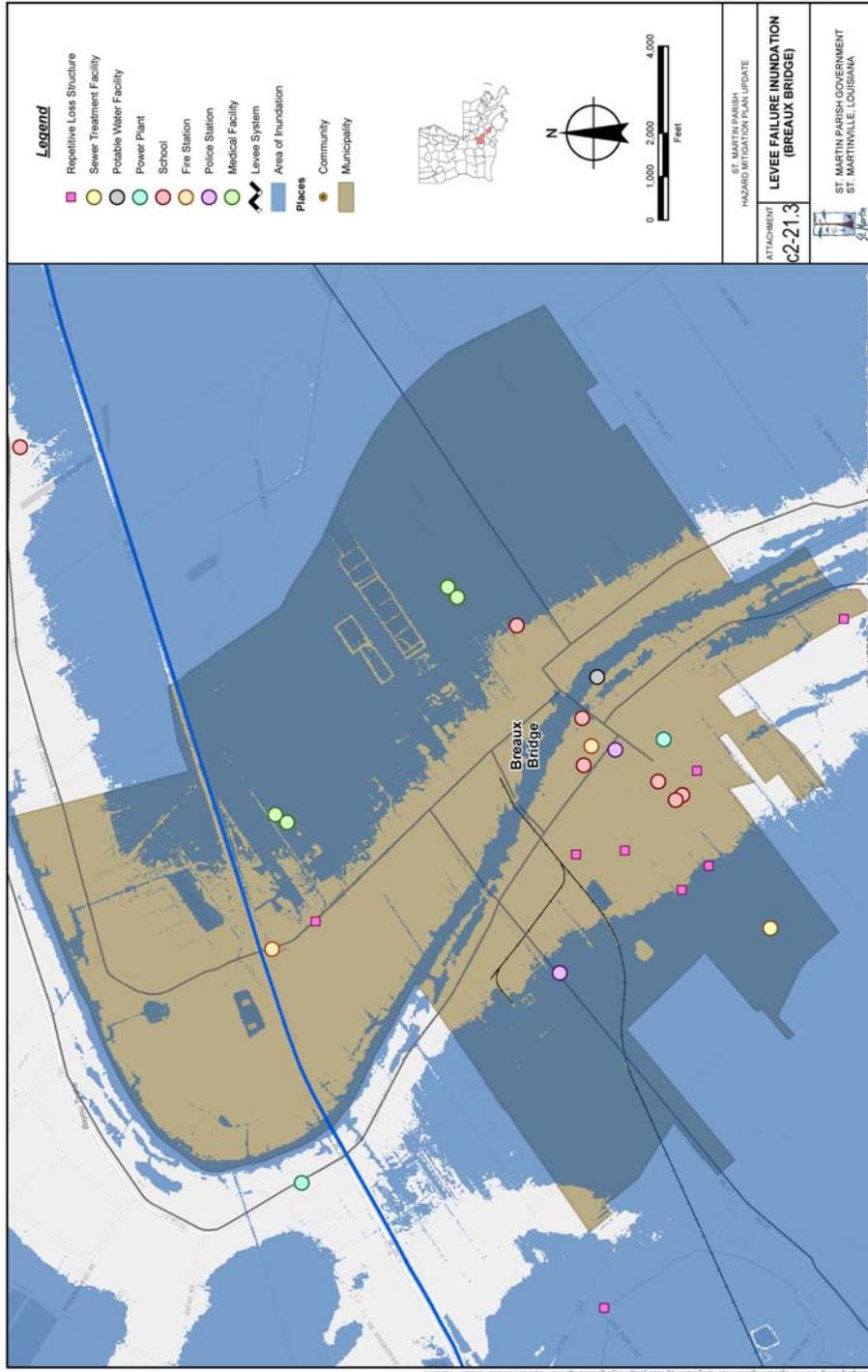
# Attachment c2-21.1 Levee Failure Inundation—Arnaudville



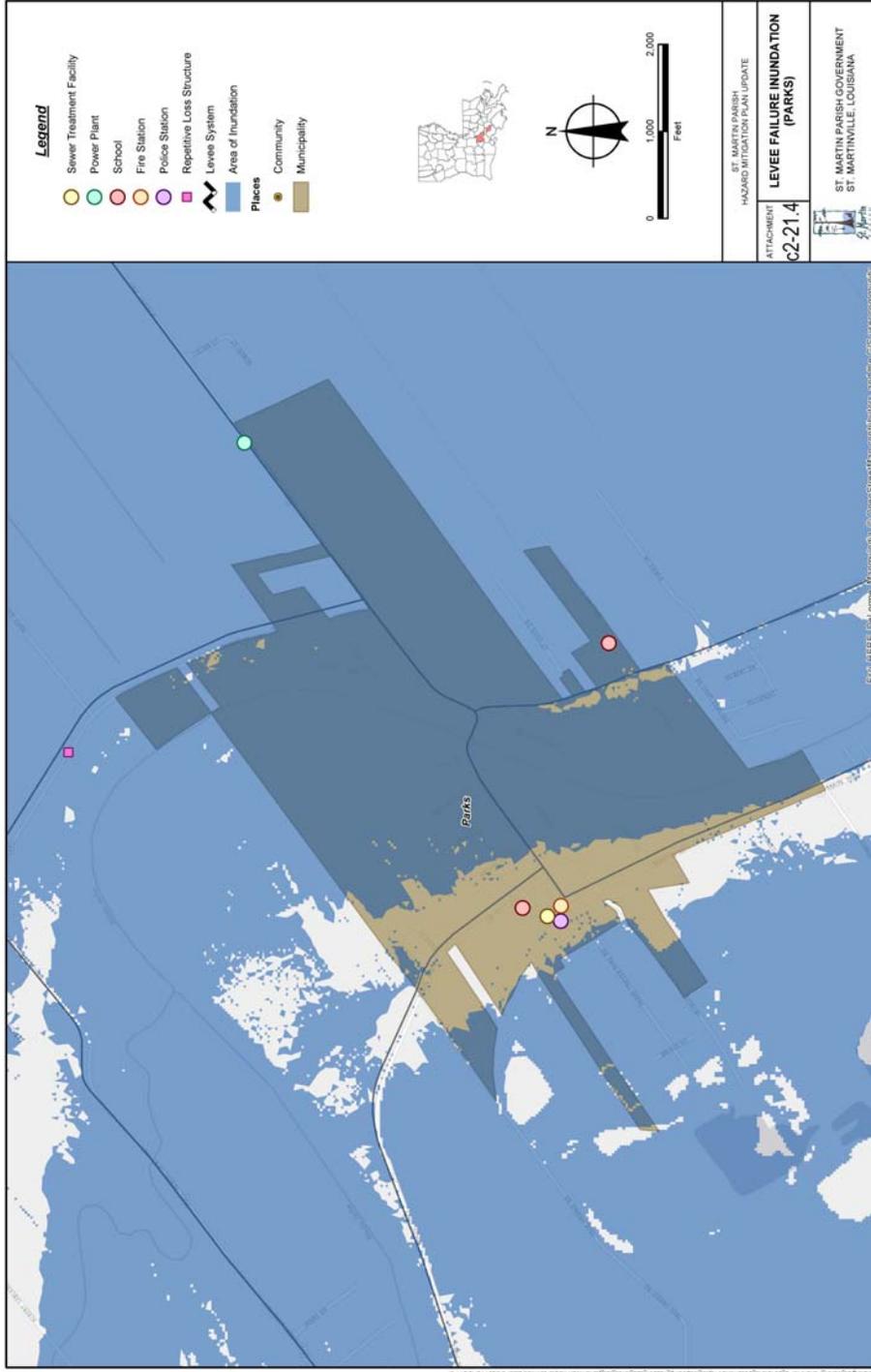
## Attachment c2-21.2 Levee Failure Inundation—Henderson



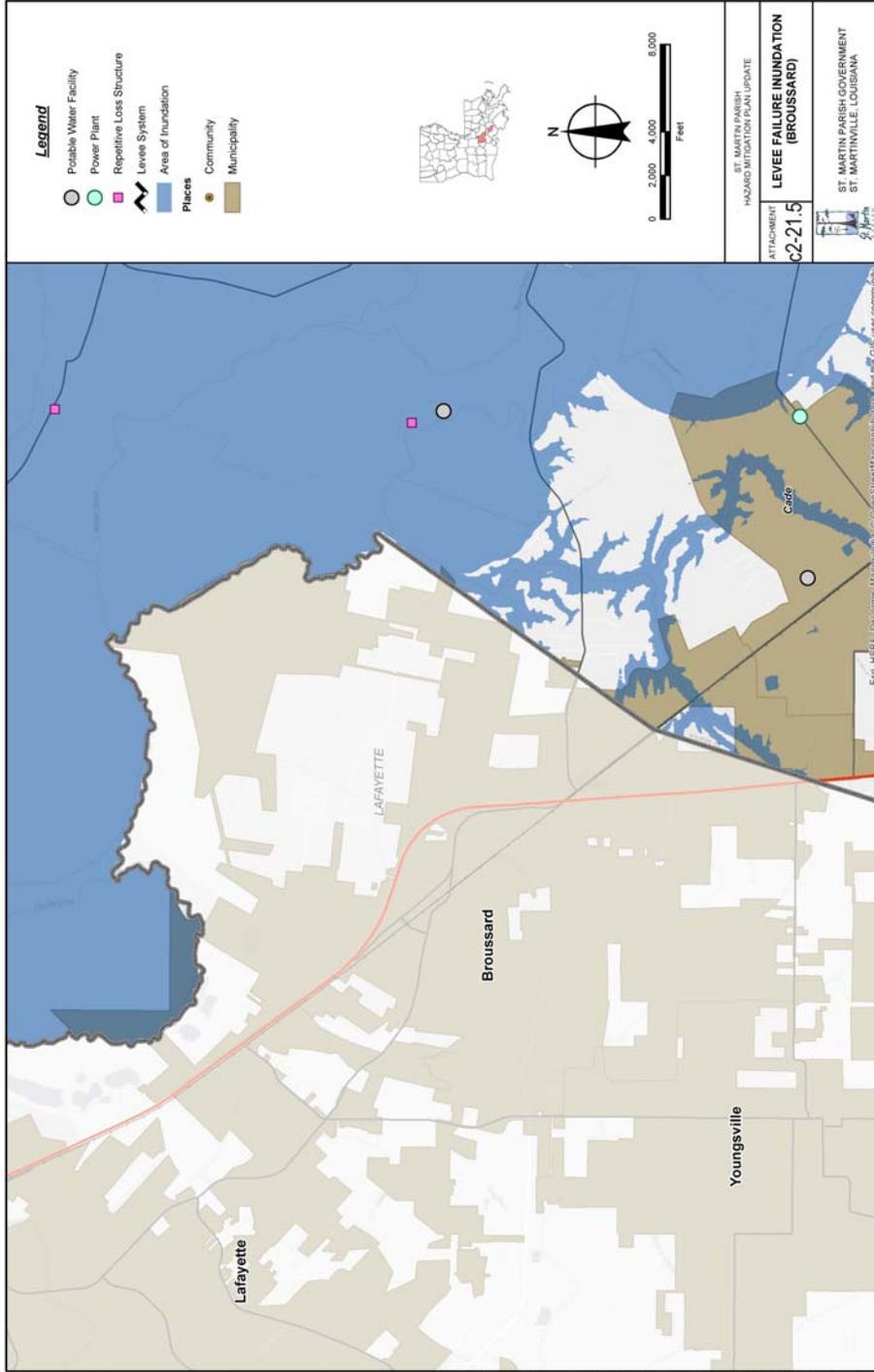
## Attachment c2-21.3 Levee Failure Inundation—Breux Bridge



# Attachment c2-21.4 Levee Failure Inundation—Parks



# Attachment c2-21.5 Levee Failure Inundation—Broussard





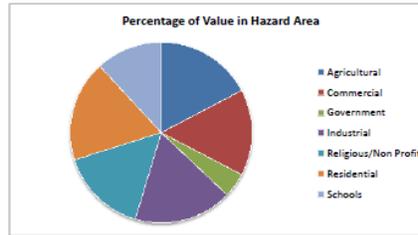
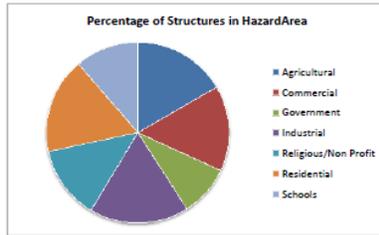


## Attachment c2-22 Worksheet #3A—Parishwide

### Parishwide HAZUS

Type of Structure (Occupancy Class)	Number of Structures			Value of Structures		
	# in Community	# in Hazard Area	% in Hazard Area	\$ in Community	\$ in Hazard Area	% in Hazard Area
Agricultural	68	54	79%	\$ 6,985,000	\$ 5,574,000	80%
Commercial	794	581	73%	\$ 267,022,000	\$ 190,300,000	71%
Government	30	13	43%	\$ 16,564,000	\$ 3,372,000	20%
Industrial	239	201	84%	\$ 114,171,000	\$ 92,255,000	81%
Religious/Non Profit	51	32	63%	\$ 26,776,000	\$ 19,217,000	72%
Residential	21,297	17,418	82%	\$ 2,187,744,000	\$ 1,824,985,000	83%
Schools	26	14	54%	\$ 22,627,000	\$ 12,350,000	55%
<b>Total</b>	<b>22,505</b>	<b>18,313</b>	<b>81%</b>	<b>\$ 2,641,889,000</b>	<b>\$ 2,148,053,000</b>	<b>81%</b>

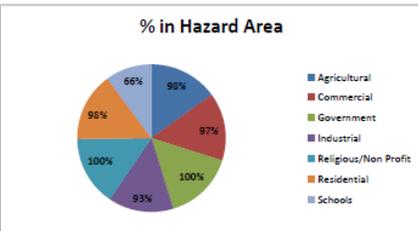
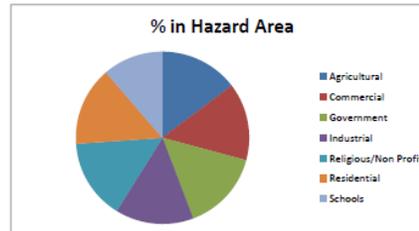
	# in Community	# in Hazard Area	% in Hazard Area
Population	48,583	39,984	82%



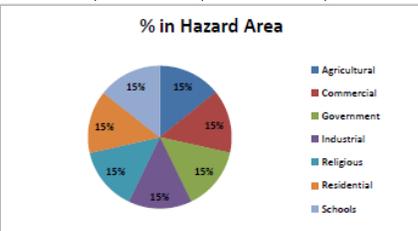
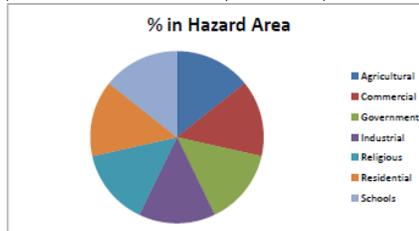
### Levee Failure

Type of Structure (Occupancy Class)	Number of Structures			Value of Structures		
	# in Community	# in Hazard Area	% in Hazard Area	\$ in Community	\$ in Hazard Area	% in Hazard Area
Agricultural	68	66	98%	\$ 6,985,000	\$ 6,840,252	98%
Commercial	794	767	97%	\$ 267,022,000	\$ 259,324,176	97%
Government	30	30	100%	\$ 16,564,000	\$ 16,564,000	100%
Industrial	239	232	97%	\$ 114,171,000	\$ 105,989,793	93%
Religious/Non Profit	51	51	100%	\$ 26,776,000	\$ 26,776,000	100%
Residential	21,297	20,965	98%	\$ 2,187,744,000	\$ 2,151,615,470	98%
Schools	26	20	75%	\$ 22,627,000	\$ 14,891,035	66%
<b>Total</b>	<b>22,505</b>	<b>22,138</b>	<b>98%</b>	<b>\$ 2,641,889,000</b>	<b>\$ 2,586,535,529</b>	<b>98%</b>

	# in Community	# in Hazard Area	% in Hazard Area
Population	48,583	36,923	76%



Type of Structure (Occupancy Class)	Number of Structures			Value of Structures		
	# in Community	# in Hazard Area	% in Hazard Area	\$ in Community	\$ in Hazard Area	% in Hazard Area
Agricultural	68	10	15%	3,764,000	560,836	15%
Commercial	794	119	15%	107,394,000	16,109,100	15%
Government	30	5	15%	2,083,000	312,450	15%
Industrial	239	36	15%	68,646,000	10,296,900	15%
Religious	51	8	15%	7,463,000	1,119,450	15%
Residential	21,297	3,195	15%	1,222,292,000	183,343,800	15%
Schools	26	4	15%	4,051,000	607,650	15%
<b>Total</b>	<b>22,505</b>	<b>3,376</b>	<b>15%</b>	<b>1,415,693,000</b>	<b>212,350,186</b>	<b>15%</b>



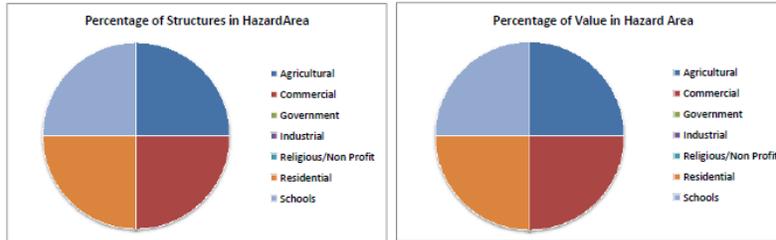
Number of People	# in Community	# in Hazard Area	% in Hazard Area
	48,583	7,287	15%

## Attachment c2-22.1 Worksheet #3A—Arnaudville

### Arnaudville HAZUS

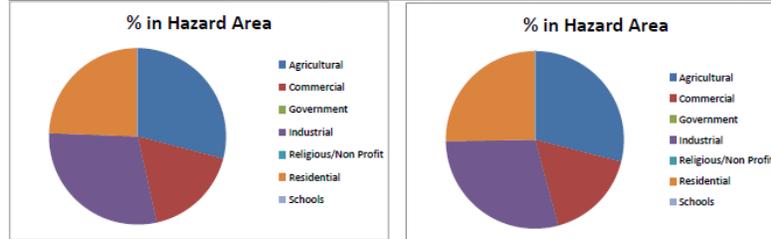
Type of Structure (Occupancy Class)	Number of Structures			Value of Structures		
	# in Community	# in Hazard Area	% in Hazard Area	\$ in Community	\$ in Hazard Area	% in Hazard Area
Agricultural	1	1	100%	\$ 63,000	\$ 63,000	100%
Commercial	4	4	100%	\$ 1,210,000	\$ 1,210,000	100%
Government	0	0	0%	\$ -	\$ -	0%
Industrial	0	0	0%	\$ -	\$ -	0%
Religious/Non Profit	0	0	0%	\$ -	\$ -	0%
Residential	40	40	100%	\$ 3,643,000	\$ 3,643,000	100%
Schools	1	1	100%	\$ 123,000	\$ 123,000	100%
<b>Total</b>	<b>46</b>	<b>46</b>	<b>100%</b>	<b>\$ 5,039,000</b>	<b>\$ 5,039,000</b>	<b>100%</b>

	# in Community	# in Hazard Area	% in Hazard Area
Population	66	66	100%



### Levee Failure

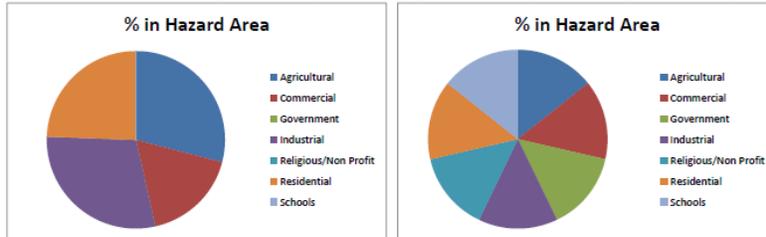
Type of Structure (Occupancy Class)	Number of Structures			Value of Structures		
	# in Community	# in Hazard Area	% in Hazard Area	\$ in Community	\$ in Hazard Area	% in Hazard Area
Agricultural	1	1	100%	\$ 63,000	\$ 63,000	100%
Commercial	4	2	60%	\$ 1,210,000	\$ 701,800	58%
Government	0	0	0%	\$ -	\$ -	0%
Industrial	0	0	0%	\$ -	\$ -	0%
Religious/Non Profit	0	0	0%	\$ -	\$ -	0%
Residential	40	34	84%	\$ 3,643,000	\$ 3,169,410	87%
Schools	1	0	0%	\$ 123,000	\$ -	0%
<b>Total</b>	<b>46</b>	<b>37</b>	<b>80%</b>	<b>\$ 5,039,000</b>	<b>\$ 3,934,210</b>	<b>78%</b>



	# in Community	# in Hazard Area	% in Hazard Area
Population	66	58	88%

### Hurricane

Type of Structure (Occupancy Class)	Number of Structures			Value of Structures		
	# in Community	# in Hazard Area	% in Hazard Area	\$ in Community	\$ in Hazard Area	% in Hazard Area
Agricultural	1	0	0%	\$ 63,000	\$ 9,450	15%
Commercial	4	1	60%	\$ 1,210,000	\$ 181,500	15%
Government	0	0	0%	\$ -	\$ -	0%
Industrial	0	0	0%	\$ -	\$ -	0%
Religious/Non Profit	0	0	0%	\$ -	\$ -	0%
Residential	40	31	84%	\$ 3,643,000	\$ 546,450	15%
Schools	1	0	0%	\$ 123,000	\$ 18,450	15%
<b>Total</b>	<b>46</b>	<b>32</b>	<b>70%</b>	<b>\$ 5,039,000</b>	<b>\$ 765,850</b>	<b>15%</b>

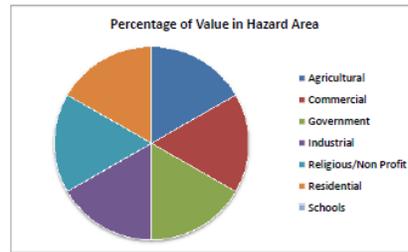
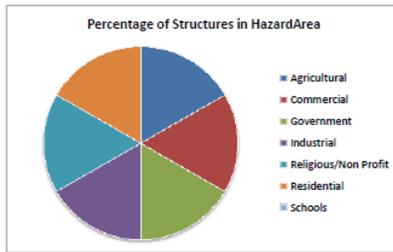


	# in Community	# in Hazard Area	% in Hazard Area
Population	66	10	15%

**Attachment c2-22.2  
Worksheet #3A—Henderson  
Henderson HAZUS**

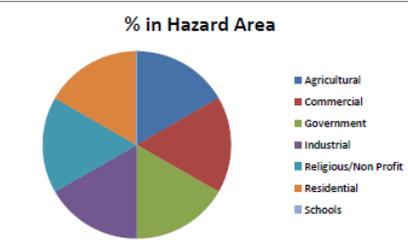
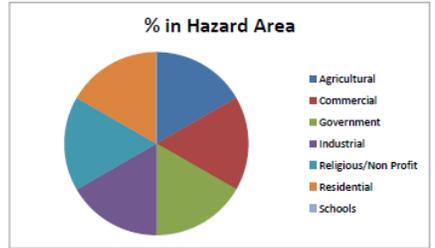
Type of Structure (Occupancy Class)	Number of Structures			Value of Structures		
	# in Community	# in Hazard Area	% in Hazard Area	\$ in Community	\$ in Hazard Area	% in Hazard Area
Agricultural	2	2	100%	\$ 506,000	\$ 506,000	100%
Commercial	19	19	100%	\$ 5,452,000	\$ 5,452,000	100%
Government	1	1	100%	\$ 159,000	\$ 159,000	100%
Industrial	5	5	100%	\$ 973,000	\$ 973,000	100%
Religious/Non Profit	2	2	100%	\$ 1,059,000	\$ 1,059,000	100%
Residential	670	670	100%	\$ 63,086,000	\$ 63,086,000	100%
Schools	0	0	0%	\$ -	\$ -	0%
<b>Total</b>	<b>699</b>	<b>699</b>	<b>100%</b>	<b>\$ 71,235,000</b>	<b>\$ 71,235,000</b>	<b>100%</b>

	# in Community	# in Hazard Area	%in Hazard Area
Population	1,531	1,531	100%



**Levee Failure**

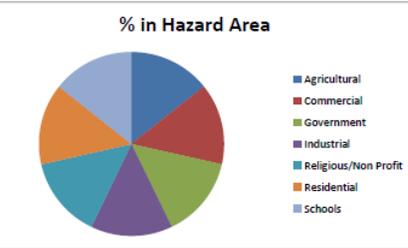
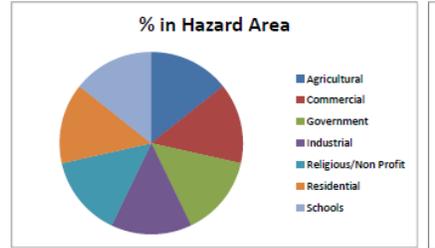
Type of Structure (Occupancy Class)	Number of Structures			Value of Structures		
	# in Community	# in Hazard Area	% in Hazard Area	\$ in Community	\$ in Hazard Area	% in Hazard Area
Agricultural	2	2	100%	\$ 506,000	\$ 506,000	100%
Commercial	19	19	100%	\$ 5,452,000	\$ 5,452,000	100%
Government	1	1	100%	\$ 159,000	\$ 159,000	100%
Industrial	5	5	100%	\$ 973,000	\$ 973,000	100%
Religious/Non Profit	2	2	100%	\$ 1,059,000	\$ 1,059,000	100%
Residential	670	670	100%	\$ 63,086,000	\$ 63,086,000	100%
Schools	0	0	0%	\$ -	\$ -	0%
<b>Total</b>	<b>699</b>	<b>699</b>	<b>100%</b>	<b>\$ 71,235,000</b>	<b>\$ 71,235,000</b>	<b>100%</b>



	# in Community	# in Hazard Area	%in Hazard Area
Population	1,531	1,531	100%

**Hurricane**

Type of Structure (Occupancy Class)	Number of Structures			Value of Structures		
	# in Community	# in Hazard Area	% in Hazard Area	\$ in Community	\$ in Hazard Area	% in Hazard Area
Agricultural	2	0	15%	\$ 506,000	\$ 75,900	15%
Commercial	19	3	15%	\$ 5,452,000	\$ 817,800	15%
Government	1	0	15%	\$ 159,000	\$ 23,850	15%
Industrial	5	1	15%	\$ 973,000	\$ 145,950	15%
Religious/Non Profit	2	0	15%	\$ 1,059,000	\$ 158,850	15%
Residential	670	101	15%	\$ 63,086,000	\$ 9,462,900	15%
Schools	0	0	15%	\$ -	\$ -	15%
<b>Total</b>	<b>699</b>	<b>105</b>	<b>15%</b>	<b>\$ 71,235,000</b>	<b>\$ 10,685,250</b>	<b>15%</b>

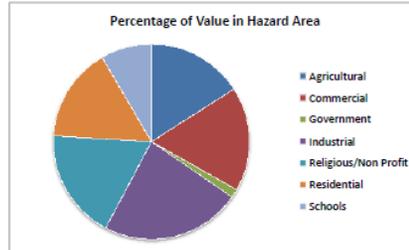
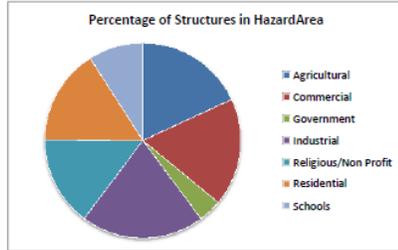


	# in Community	# in Hazard Area	%in Hazard Area
Population	1,531	230	15%

**Attachment c2-22.3**  
**Worksheet #3A—Breux Bridge**  
**Breux Bridge HAZUS**

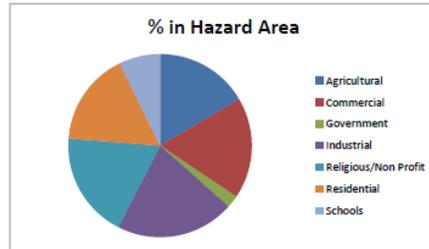
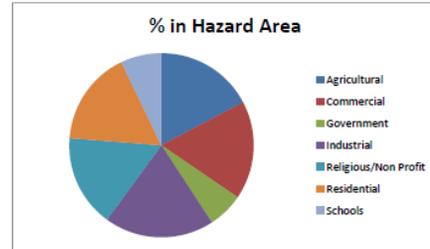
Type of Structure (Occupancy Class)	Number of Structures			Value of Structures		
	# in Community	# in Hazard Area	% in Hazard Area	\$ in Community	\$ in Hazard Area	% in Hazard Area
Agricultural	9	6	67%	\$ 850,000	\$ 526,000	62%
Commercial	182	120	66%	\$ 72,325,000	\$ 48,368,000	67%
Government	7	1	14%	\$ 4,484,000	\$ 247,000	6%
Industrial	28	21	75%	\$ 6,670,000	\$ 5,977,000	90%
Religious/Non Profit	11	6	55%	\$ 5,955,000	\$ 4,214,000	71%
Residential	2,960	1,737	59%	\$ 325,029,000	\$ 197,138,000	61%
Schools	6	2	33%	\$ 5,528,000	\$ 1,802,000	33%
<b>Total</b>	<b>3,203</b>	<b>1,893</b>	<b>59%</b>	<b>\$ 420,841,000</b>	<b>\$ 258,272,000</b>	<b>61%</b>

	# in Community	# in Hazard Area	% in Hazard Area
Population	7,671	4,638	60%



**Levee Failure**

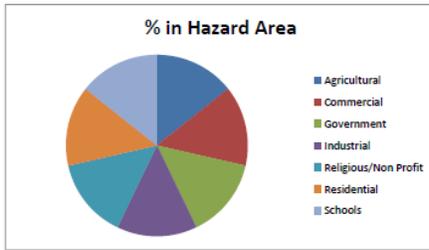
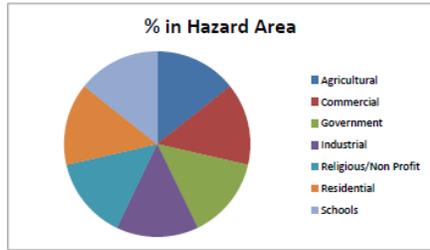
Type of Structure (Occupancy Class)	Number of Structures			Value of Structures		
	# in Community	# in Hazard Area	% in Hazard Area	\$ in Community	\$ in Hazard Area	% in Hazard Area
Agricultural	9	7	80%	\$ 850,000	\$ 646,000	76%
Commercial	182	146	80%	\$ 72,325,000	\$ 59,306,500	82%
Government	7	2	29%	\$ 4,484,000	\$ 448,400	10%
Industrial	28	25	89%	\$ 6,670,000	\$ 6,403,200	96%
Religious/Non Profit	11	8	75%	\$ 5,955,000	\$ 5,121,300	86%
Residential	2,960	2,279	77%	\$ 325,029,000	\$ 247,022,040	76%
Schools	6	2	33%	\$ 5,528,000	\$ 1,824,240	33%
<b>Total</b>	<b>3,203</b>	<b>2,469</b>	<b>77%</b>	<b>\$ 420,841,000</b>	<b>\$ 320,771,680</b>	<b>76%</b>



	# in Community	# in Hazard Area	% in Hazard Area
Population	7,671	5,907	77%

**Hurricane**

Type of Structure (Occupancy Class)	Number of Structures			Value of Structures		
	# in Community	# in Hazard Area	% in Hazard Area	\$ in Community	\$ in Hazard Area	% in Hazard Area
Agricultural	9	1	15%	\$ 850,000	\$ 127,500	15%
Commercial	182	27	15%	\$ 72,325,000	\$ 10,848,750	15%
Government	7	1	15%	\$ 4,484,000	\$ 672,600	15%
Industrial	28	4	15%	\$ 6,670,000	\$ 1,000,500	15%
Religious/Non Profit	11	2	15%	\$ 5,955,000	\$ 893,250	15%
Residential	2,960	444	15%	\$ 325,029,000	\$ 48,754,350	15%
Schools	6	1	15%	\$ 5,528,000	\$ 829,200	15%
<b>Total</b>	<b>3,203</b>	<b>480</b>	<b>15%</b>	<b>\$ 420,841,000</b>	<b>\$ 63,126,150</b>	<b>15%</b>

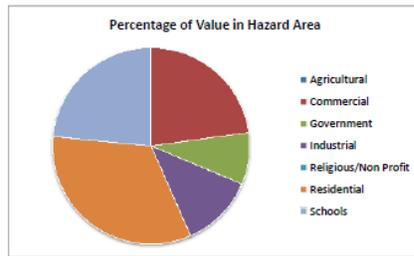
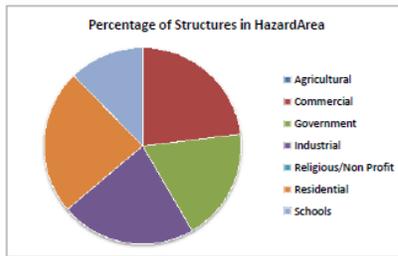


	# in Community	# in Hazard Area	% in Hazard Area
Population	7,671	1,151	15%

**Attachment c2-22.4  
Worksheet #3A—Parks  
Parks HAZUS**

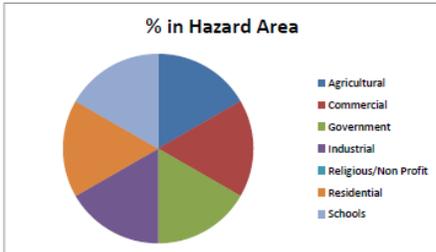
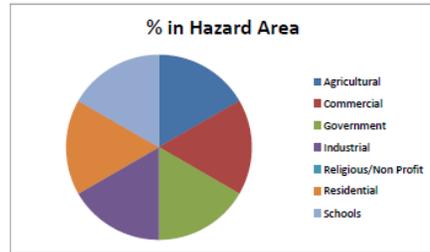
Type of Structure (Occupancy Class)	Number of Structures			Value of Structures		
	# in Community	# in Hazard Area	% in Hazard Area	\$ in Community	\$ in Hazard Area	% in Hazard Area
Agricultural	2	0	0%	\$ 239,000	\$ -	0%
Commercial	8	5	63%	\$ 1,999,000	\$ 918,000	46%
Government	2	1	50%	\$ 618,000	\$ 106,000	17%
Industrial	5	3	60%	\$ 1,053,000	\$ 256,000	24%
Religious/Non Profit	0	0	0%	\$ -	\$ -	0%
Residential	279	180	65%	\$ 27,737,000	\$ 18,463,000	67%
Schools	3	1	33%	\$ 2,570,000	\$ 1,214,000	47%
<b>Total</b>	<b>299</b>	<b>190</b>	<b>64%</b>	<b>\$ 34,216,000</b>	<b>\$ 20,957,000</b>	<b>61%</b>

	# in Community	# in Hazard Area	% in Hazard Area
Population	538	381	71%



**Levee Failure**

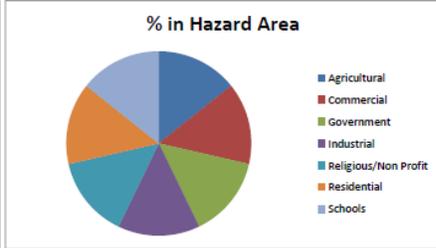
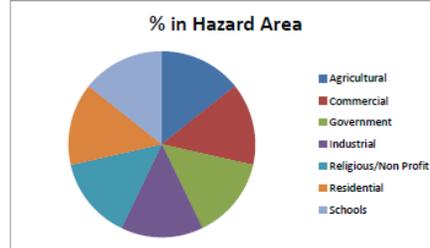
Type of Structure (Occupancy Class)	Number of Structures			Value of Structures		
	# in Community	# in Hazard Area	% in Hazard Area	\$ in Community	\$ in Hazard Area	% in Hazard Area
Agricultural	2	2	100%	\$ 239,000	\$ 239,000	100%
Commercial	8	8	100%	\$ 1,999,000	\$ 1,999,000	100%
Government	2	2	100%	\$ 618,000	\$ 618,000	100%
Industrial	5	5	100%	\$ 1,053,000	\$ 1,053,000	100%
Religious/Non Profit	0	0	0%	\$ -	\$ -	0%
Residential	279	279	100%	\$ 27,737,000	\$ 27,737,000	100%
Schools	3	3	100%	\$ 2,570,000	\$ 2,570,000	100%
<b>Total</b>	<b>299</b>	<b>299</b>	<b>100%</b>	<b>\$ 34,216,000</b>	<b>\$ 34,216,000</b>	<b>100%</b>



	# in Community	# in Hazard Area	% in Hazard Area
Population	538	538	100%

**Hurricane**

Type of Structure (Occupancy Class)	Number of Structures			Value of Structures		
	# in Community	# in Hazard Area	% in Hazard Area	\$ in Community	\$ in Hazard Area	% in Hazard Area
Agricultural	2	0	15%	\$ 239,000	\$ 35,850	15%
Commercial	8	1	15%	\$ 1,999,000	\$ 299,850	15%
Government	2	0	15%	\$ 618,000	\$ 92,700	15%
Industrial	5	1	15%	\$ 1,053,000	\$ 157,950	15%
Religious/Non Profit	0	0	15%	\$ -	\$ -	15%
Residential	279	42	15%	\$ 27,737,000	\$ 4,160,550	15%
Schools	3	0	15%	\$ 2,570,000	\$ 385,500	15%
<b>Total</b>	<b>299</b>	<b>45</b>	<b>15%</b>	<b>\$ 34,216,000</b>	<b>\$ 5,132,400</b>	<b>15%</b>



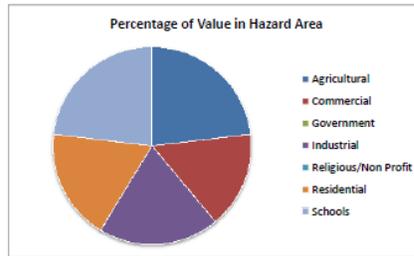
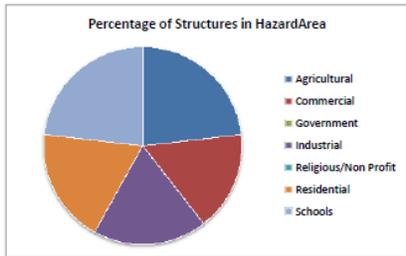
	# in Community	# in Hazard Area	% in Hazard Area
Population	538	81	15%

**Attachment c2-22.5  
Worksheet #3A—Broussard  
Broussard HAZUS**

Type of Structure (Occupancy Class)	Number of Structures			Value of Structures		
	# in Community	# in Hazard Area	% in Hazard Area	\$ in Community	\$ in Hazard Area	% in Hazard Area
Agricultural	1	1	100%	\$ 58,000	\$ 58,000	100%
Commercial	10	7	70%	\$ 5,434,000	\$ 3,704,000	68%
Government	1	0	0%	\$ 63,000	\$ -	0%
Industrial	5	4	80%	\$ 7,261,000	\$ 6,174,000	85%
Religious/Non Profit	0	0	0%	\$ -	\$ -	0%
Residential	160	129	81%	\$ 19,935,000	\$ 15,614,000	78%
Schools	1	1	100%	\$ 332,000	\$ 332,000	100%
<b>Total</b>	<b>178</b>	<b>142</b>	<b>80%</b>	<b>\$ 33,083,000</b>	<b>\$ 25,882,000</b>	<b>78%</b>

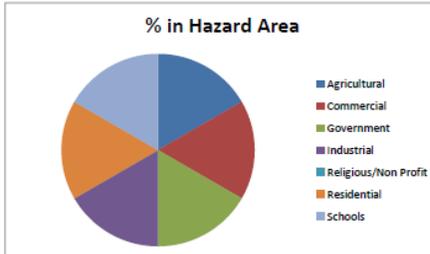
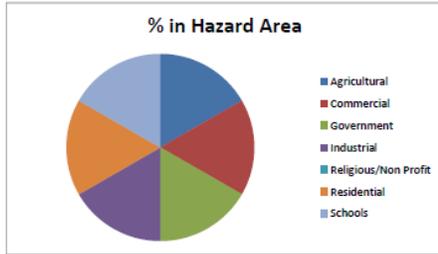
  

	# in Community	# in Hazard Area	%in Hazard Area
Population	419	317	76%



**Levee Failure**

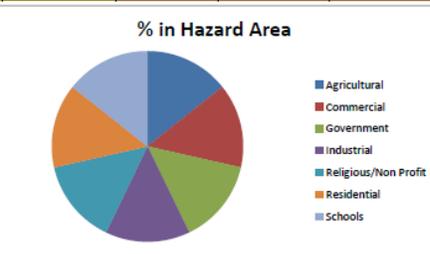
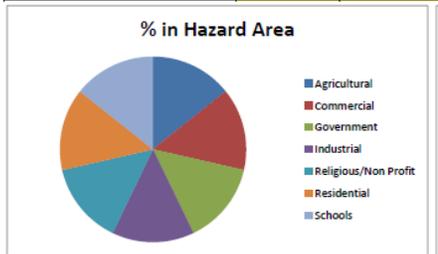
Type of Structure (Occupancy Class)	Number of Structures			Value of Structures		
	# in Community	# in Hazard Area	% in Hazard Area	\$ in Community	\$ in Hazard Area	% in Hazard Area
Agricultural	1	1	100%	\$ 58,000	\$ 58,000	100%
Commercial	10	10	100%	\$ 5,434,000	\$ 3,704,000	100%
Government	1	1	100%	\$ 63,000	\$ -	100%
Industrial	5	5	100%	\$ 7,261,000	\$ 6,174,000	100%
Religious/Non Profit	0	0	0%	\$ -	\$ -	0%
Residential	160	160	100%	\$ 19,935,000	\$ 15,614,000	100%
Schools	1	1	100%	\$ 332,000	\$ 332,000	100%
<b>Total</b>	<b>178</b>	<b>178</b>	<b>100%</b>	<b>\$ 33,083,000</b>	<b>\$ 25,882,000</b>	<b>78%</b>



	# in Community	# in Hazard Area	%in Hazard Area
Population	419	419	100%

**Hurricane**

Type of Structure (Occupancy Class)	Number of Structures			Value of Structures		
	# in Community	# in Hazard Area	% in Hazard Area	\$ in Community	\$ in Hazard Area	% in Hazard Area
Agricultural	1	0	15%	\$ 58,000	\$ 8,700	15%
Commercial	10	2	15%	\$ 5,434,000	\$ 815,100	15%
Government	1	0	15%	\$ 63,000	\$ 9,450	15%
Industrial	5	1	15%	\$ 7,261,000	\$ 1,089,150	15%
Religious/Non Profit	0	0	15%	\$ -	\$ -	15%
Residential	160	24	15%	\$ 19,935,000	\$ 2,990,250	15%
Schools	1	0	15%	\$ 332,000	\$ 49,800	15%
<b>Total</b>	<b>178</b>	<b>27</b>	<b>15%</b>	<b>\$ 33,083,000</b>	<b>\$ 4,962,450</b>	<b>15%</b>

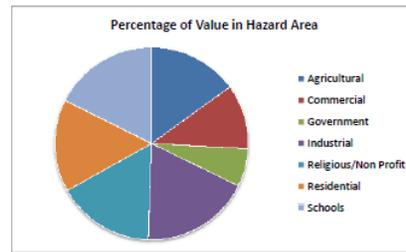
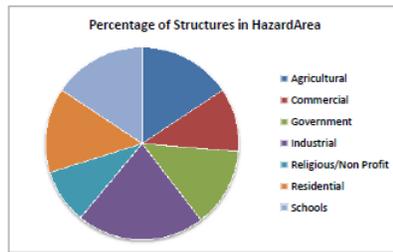


	# in Community	# in Hazard Area	%in Hazard Area
Population	419	83	15%

**Attachment c2-22.6  
Worksheet #3A—St. Martinville  
St. Martinville HAZUS**

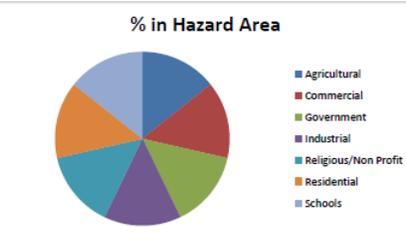
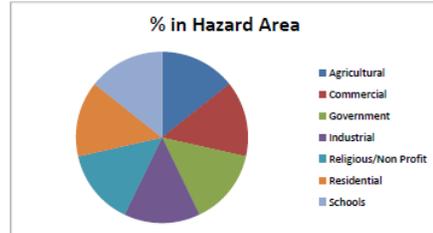
Type of Structure (Occupancy Class)	Number of Structures			Value of Structures		
	# in Community	# in Hazard Area	% in Hazard Area	\$ in Community	\$ in Hazard Area	% in Hazard Area
Agricultural	7	3	43%	\$ 774,000	\$ 317,000	41%
Commercial	157	46	29%	\$ 49,565,000	\$ 14,694,000	30%
Government	11	4	36%	\$ 8,997,000	\$ 1,571,000	17%
Industrial	29	17	59%	\$ 23,859,000	\$ 11,930,000	50%
Religious/Non Profit	16	4	25%	\$ 8,661,000	\$ 3,860,000	45%
Residential	3,154	1,230	39%	\$ 286,106,000	\$ 121,048,000	42%
Schools	7	3	43%	\$ 7,151,000	\$ 3,443,000	48%
<b>Total</b>	<b>3,381</b>	<b>1,307</b>	<b>39%</b>	<b>\$ 385,113,000</b>	<b>\$ 156,863,000</b>	<b>41%</b>

	# in Community	# in Hazard Area	% in Hazard Area
Population	7,052	3,072	44%



**Levee Failure**

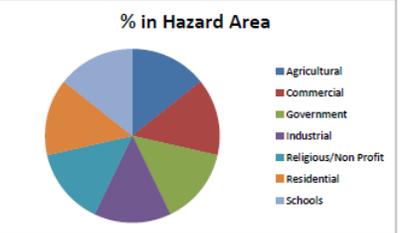
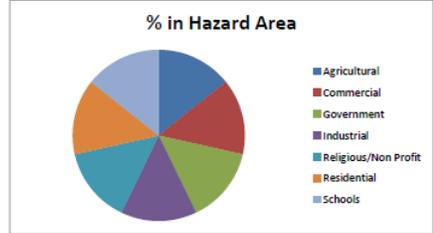
Type of Structure (Occupancy Class)	Number of Structures			Value of Structures		
	# in Community	# in Hazard Area	% in Hazard Area	\$ in Community	\$ in Hazard Area	% in Hazard Area
Agricultural	7	7	100%	\$ 774,000	\$ 774,000	100%
Commercial	157	157	100%	\$ 49,565,000	\$ 49,565,000	100%
Government	11	11	100%	\$ 8,997,000	\$ 8,997,000	100%
Industrial	29	29	100%	\$ 23,859,000	\$ 23,859,000	100%
Religious/Non Profit	16	16	100%	\$ 8,661,000	\$ 8,661,000	100%
Residential	3,154	3,154	100%	\$ 286,106,000	\$ 286,106,000	100%
Schools	7	7	100%	\$ 7,151,000	\$ 7,151,000	100%
<b>Total</b>	<b>3,381</b>	<b>3,381</b>	<b>100%</b>	<b>\$ 385,113,000</b>	<b>\$ 385,113,000</b>	<b>100%</b>



	# in Community	# in Hazard Area	% in Hazard Area
Population	7,052	7,052	100%

**Hurricane**

Type of Structure (Occupancy Class)	Number of Structures			Value of Structures		
	# in Community	# in Hazard Area	% in Hazard Area	\$ in Community	\$ in Hazard Area	% in Hazard Area
Agricultural	7	1	15%	\$ 774,000	\$ 116,100	15%
Commercial	157	24	15%	\$ 49,565,000	\$ 7,434,750	15%
Government	11	2	15%	\$ 8,997,000	\$ 1,349,550	15%
Industrial	29	4	15%	\$ 23,859,000	\$ 3,578,850	15%
Religious/Non Profit	16	2	15%	\$ 8,661,000	\$ 1,299,150	15%
Residential	3,154	473	15%	\$ 286,106,000	\$ 42,915,900	15%
Schools	7	1	15%	\$ 7,151,000	\$ 1,072,650	15%
<b>Total</b>	<b>3,381</b>	<b>507</b>	<b>15%</b>	<b>\$ 385,113,000</b>	<b>\$ 57,766,950</b>	<b>15%</b>

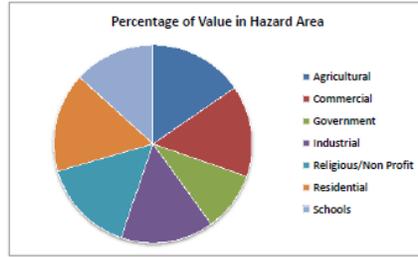
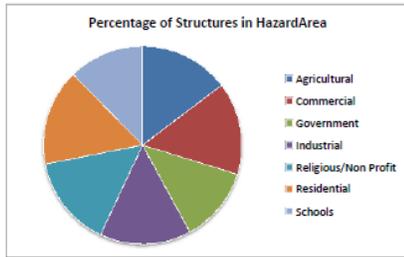


	# in Community	# in Hazard Area	% in Hazard Area
Population	7,052	1,058	15%

**Attachment c2-22.7  
Worksheet #3A—Unincorporated  
Unincorporated HAZUS**

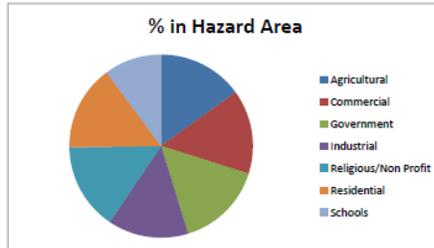
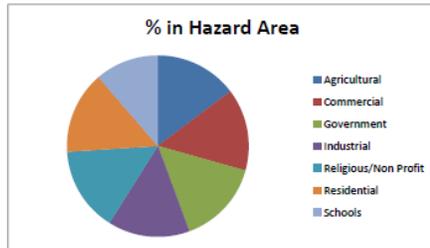
Type of Structure (Occupancy Class)	Number of Structures			Value of Structures		
	# in Community	# in Hazard Area	% in Hazard Area	\$ in Community	\$ in Hazard Area	% in Hazard Area
Agricultural	46	41	89%	\$ 4,495,000	\$ 4,104,000	91%
Commercial	414	380	92%	\$ 131,037,000	\$ 115,954,000	88%
Government	8	6	75%	\$ 2,243,000	\$ 1,289,000	57%
Industrial	167	151	90%	\$ 74,355,000	\$ 66,945,000	90%
Religious/Non Profit	22	20	91%	\$ 11,101,000	\$ 10,084,000	91%
Residential	14,034	13,432	96%	\$ 1,462,208,000	\$ 1,405,993,000	96%
Schools	8	6	75%	\$ 6,923,000	\$ 5,436,000	79%
<b>Total</b>	<b>14,699</b>	<b>14,036</b>	<b>95%</b>	<b>\$ 1,692,362,000</b>	<b>\$ 1,609,805,000</b>	<b>95%</b>

	# in Community	# in Hazard Area	% in Hazard Area
Population	31,306	29,979	96%



**Levee Failure**

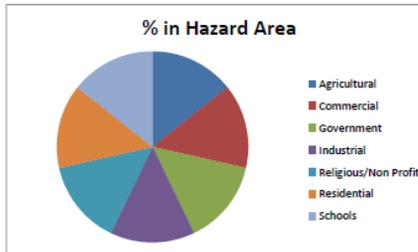
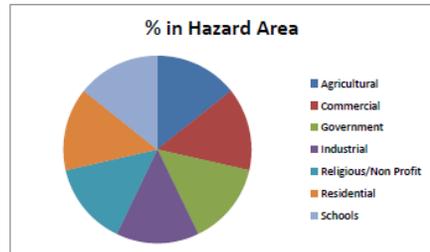
Type of Structure (Occupancy Class)	Number of Structures			Value of Structures		
	# in Community	# in Hazard Area	% in Hazard Area	\$ in Community	\$ in Hazard Area	% in Hazard Area
Agricultural	46	45	98%	\$ 4,495,000	\$ 4,405,100	98%
Commercial	414	402	97%	\$ 131,037,000	\$ 127,105,890	97%
Government	8	8	100%	\$ 2,243,000	\$ 2,243,000	100%
Industrial	167	162	97%	\$ 74,355,000	\$ 69,150,150	93%
Religious/Non Profit	22	22	100%	\$ 11,101,000	\$ 11,101,000	100%
Residential	14,034	13,753	98%	\$ 1,462,208,000	\$ 1,432,963,840	98%
Schools	8	6	75%	\$ 6,923,000	\$ 4,569,180	66%
<b>Total</b>	<b>14,699</b>	<b>14,398</b>	<b>98%</b>	<b>\$ 1,692,362,000</b>	<b>\$ 1,651,538,160</b>	<b>98%</b>



	# in Community	# in Hazard Area	% in Hazard Area
Population	31,306	30,680	98%

**Hurricane**

Type of Structure (Occupancy Class)	Number of Structures			Value of Structures		
	# in Community	# in Hazard Area	% in Hazard Area	\$ in Community	\$ in Hazard Area	% in Hazard Area
Agricultural	46	7	15%	\$ 4,495,000	\$ 674,250	15%
Commercial	414	62	15%	\$ 131,037,000	\$ 19,655,550	15%
Government	8	1	15%	\$ 2,243,000	\$ 336,450	15%
Industrial	167	25	15%	\$ 74,355,000	\$ 11,153,250	15%
Religious/Non Profit	22	3	15%	\$ 11,101,000	\$ 1,665,150	15%
Residential	14,034	2,105	15%	\$ 1,462,208,000	\$ 219,331,200	15%
Schools	8	1	15%	\$ 6,923,000	\$ 1,038,450	15%
<b>Total</b>	<b>14,699</b>	<b>2,205</b>	<b>15%</b>	<b>\$ 1,692,362,000</b>	<b>\$ 253,854,300</b>	<b>15%</b>



	# in Community	# in Hazard Area	% in Hazard Area
Population	31,306	4,696	15%

**Attachment c2-23  
List of Critical Facilities  
Critical Facilities**

Type of Asset		Name/Description of Structure	City
Essential Facilities	Hospitals	Breaux Bridge Health Unit	Breaux Bridge
		Maison de Williams	Breaux Bridge
		Cecilia Health Unit	Cecilia
		St. Agnes Nursing Home	Breaux Bridge
		St. Martin Hospital	Breaux Bridge
		St. Martinville Health Unit	St. Martinville
		St. Martinville Rehab and Nursing Center	St. Martinville
	Evacuation Shelters	Breaux Bridge Elementary	Breaux Bridge
		Breaux Bridge Junior High	Breaux Bridge
		Breaux Bridge Senior High	Breaux Bridge
		Cecilia Senior High	Cecilia
		Parks Elementary/Middle	Parks
		Parks Primary	Parks
		Catahoula Elementary	St. Martinville
		St. Martinville Elementary	St. Martinville
		St. Martinville Alternative School	St. Martinville
	St. Martinville Senior High	St. Martinville	
	Police Stations	Breaux Bridge Police Dept	Breaux Bridge
		Henderson Police Dept	Henderson
		Law Enforcement Center	St. Martinville
		Parks Police Dept	St. Martinville
		Sheriff's Sub-Station	Breaux Bridge
		St Martinville Police Dept	St. Martinville
		Stephensville Sheriff Sub Station	Morgan City
		Public Saftey Complex--Emergency Op Center	St. Martinville
	Fire Stations	Belle River Volunteer FD	Pierre Part
		Breaux Bridge Volunteer FD	Breaux Bridge
		Breaux Bridge FD (Sub)	Breaux Bridge
		Butte LaRose Volunteer FD	Breaux Bridge
		Cade Volunteer FD	Broussard
		Catahoula Volunteer FD	St. Martinville
		Cecilia Volunteer FD	Breaux Bridge
		Coteau Holmes Volunteer FD	St. Martinville
		Evangeline Volunteer FD	St. Martinville
		Evangeline Volunteer FD	St. Martinville
		Henderson Volunteer FD	Breaux Bridge
		Henderson Volunteer FD	Breaux Bridge
		Parks Volunteer FD	Parks
		Parks Volunteer FD	St. Martinville
		Stephensville Volunteer FD	Morgan City
	St. Martinville Fire District Training Center	Breaux Bridge	
	Schools	Breaux Bridge Christian Academy	Breaux Bridge
		Breaux Bridge Primary	Breaux Bridge
		Breaux Bridge Elementary	Breaux Bridge
		Breaux Bridge Junior High	Breaux Bridge
		Breaux Bridge Senior High	Breaux Bridge
		Breaux Bridge Instructional Center	Breaux Bridge
Catahoula Elementary		St. Martinville	
Cecilia Primary		Breaux Bridge	
Cecilia Junior High School		Breaux Bridge	
Cecilia High School		Breaux Bridge	
Parks Primary		Parks	
Parks Middle		Parks	
Early Learning Center		St. Martinville	
School Board Office		St. Martinville	
St. Martinville Primary		St. Martinville	
St. Martinville Junior	St. Martinville		

Type of Asset		Name/Description of Structure	City	
Essential Facilities, cont.	Schools, cont.	St. Martinville Senior	St. Martinville	
		Stephensville Elementary	Morgan City	
		Teche Elementary	Breaux Bridge	
		Trinity Catholic Elementary	St. Martinville	
		JCEP	St. Martinville	
		St. Bernard Elementary	Breaux Bridge	
		St. Martin Parish Juvenile Center	St. Martinville	
		Special Ed Building	St. Martinville	
		Louisiana Technical College--Evangeline Campus	St. Martinville	
		St. Martinville Elementary	St. Martinville	
		Epiiscopal School of Acadiana (ESA) Private	Broussard	
Utilities	Power	SLEMCO Section 28 Substation	St. Martinville	
		SLEMCO Cecilia Substation	Breaux Bridge	
		SLEMCO Cypress Island Substation	St. Martinville	
		SLEMCO St. John Metering Point	St. Martinville	
		SLEMCO Semere Road Metering Point	Breaux Bridge	
		CLECO Substation	Breaux Bridge	
		Entergy Anse La Butte	Breaux Bridge	
		Entergy Cecilia	Breaux Bridge	
		Entergy Dixie Breaux	Breaux Bridge	
		Entergy Gecko	Breaux Bridge	
		Entergy Parks	St. Martinville	
		Entergy St. John	St. Martinville	
		Entergy St. Martinville	St. Martinville	
		Entergy Cade	St. Martinville	
		Oil and Gas	St. Martin Parish Industrial Park	St. Martinville
	Water Treatment Plants	United Water Systems	Arnaudville	
		Belle River	Belle River	
		St. Martin Parish Water District #3	Broussard	
		St. Martinville Water System	St. Martinville	
		St. Martin Parish Water District #1	Stephensville	
		St. Martin Parish Water District #4	St. Martinville	
		Parks Water System (Well)	Parks	
		Parks Water System (Treatment Plant)	Parks	
		Breaux Bridge Water System	Breaux Bridge	
		Henderson/Nina Water System	Henderson	
		Cecilia Water Corp.	Breaux Bridge	
		Sewage Treatment	St. Martinville Sewage Treatment	St. Martinville
	Industrial Park Sewage		St. Martinville	
	Breaux Bridge Sewer Treatment		Breaux Bridge	
	Sugarland Sewer System		Arnaudville	
	Other	Government Buildings	Breaux Bridge City Hall	Breaux Bridge
			Park and Recreation	Breaux Bridge
			Henderson City Hall	Henderson
Parks City Hall			Parks	
Adam Carlson Rec Center			St. Martinville	
Magnolia Rec Center			St. Martinville	
Parish Courthouse			St. Martinville	
Parish Governmental Building			St. Martinville	
St. Martinville City Hall			St. Martinville	
St. Martin Parish Council on Aging			Breaux Bridge	
Breaux Bridge Branch Library			Breaux Bridge	
Belle River Recreation Center			St. Martinville	
Cecilia Branch Library			Cecilia	
Cade Community Center			St. Martinville	
St. Martinville Branch Library			St. Martinville	
Animal Control Center	St. Martinville			

Type of Asset		Name/Description of Structure	City
Other	Other Points of Interest	FAS Services	Belle River
		Royal Fibergalss Pools	Breaux Bridge
		Halliburton Energy Services	Broussard
		Cargill Inc. Salt Division	St. Martinville
		Louisiana Sugarcane	St. Martinville
		Martin Mills	St. Martinville

**Attachment c2-24  
Identification of Critical Facilities in the Hazard Areas**

**Critical Facilities Within Hazard Areas**

Type of Asset	Name/Description of Structure	City	100-year Floodplain	Composite Risk	Levee Failure	
Essential Facilities	Hospitals	Breaux Bridge Health Unit	Breaux Bridge		X	X
		Maison de Williams	Breaux Bridge			X
		Cecilia Health Unit	Cecilia			X
		St. Agnes Nursing Home	Breaux Bridge			X
		St. Martin Hospital	Breaux Bridge			X
		St. Martinville Health Unit	St. Martinville			X
		St. Martinville Rehab and Nursing Center	St. Martinville			X
	Evacuation Shelters	Breaux Bridge Elementary	Breaux Bridge			
		Breaux Bridge Junior High	Breaux Bridge			
		Breaux Bridge Senior High	Breaux Bridge		X	X
		Cecilia Senior High	Cecilia			X
		Parks Elementary/Middle	Parks			X
		Parks Primary	Parks			
		Catahoula Elementary	St. Martinville		X	X
		St. Martinville Elementary	St. Martinville			X
		St. Martinville Alternative School	St. Martinville			X
		St. Martinville Senior High	St. Martinville			
	Police Stations	Breaux Bridge Police Dept	Breaux Bridge			
		Henderson Police Dept	Henderson	X	X	X
		Law Enforcement Center	St. Martinville		X	X
		Parks Police Dept	St. Martinville			
		Sheriff's Sub-Station	Breaux Bridge		X	X
		St Martinville Police Dept	St. Martinville		X	X
		Stephensville Sheriff Sub Station	Morgan City	X	X	X
		Public Safety Complex--Emergency Op Center	St. Martinville			X
	Fire Stations	Belle River Volunteer FD	Pierre Part		X	X
		Breaux Bridge Volunteer FD	Breaux Bridge			
		Breaux Bridge FD (Sub)	Breaux Bridge			
		Butte LaRose Volunteer FD	Breaux Bridge		X	X
		Cade Volunteer FD	Broussard			
		Catahoula Volunteer FD	St. Martinville	X	X	X
		Cecilia Volunteer FD	Breaux Bridge			
		Coteau Holmes Volunteer FD	St. Martinville	X	X	X
		Evangeline Volunteer FD	St. Martinville			X
		Evangeline Volunteer FD	St. Martinville			X
		Henderson Volunteer FD	Breaux Bridge	X	X	X
		Henderson Volunteer FD	Breaux Bridge			X
		Parks Volunteer FD	Parks			
		Parks Volunteer FD	St. Martinville			X
		Stephensville Volunteer FD	Morgan City	X	X	X
		St. Martinville Fire District Training Center	Breaux Bridge			X
		Schools	Breaux Bridge Christian Academy	Breaux Bridge		
	Breaux Bridge Primary		Breaux Bridge			X
	Breaux Bridge Elementary		Breaux Bridge			
	Breaux Bridge Junior High		Breaux Bridge			
	Breaux Bridge Senior High		Breaux Bridge		X	X
	Breaux Bridge Instructional Center		Breaux Bridge			
	Catahoula Elementary		St. Martinville		X	X
	Cecilia Primary		Breaux Bridge			
	Cecilia Junior High School		Breaux Bridge			
Cecilia High School	Breaux Bridge				X	
Parks Primary	Parks					
Parks Middle	Parks				X	
Early Learning Center	St. Martinville				X	
School Board Office	St. Martinville				X	
St. Martinville Primary	St. Martinville				X	
St. Martinville Junior	St. Martinville				X	
St. Martinville Senior	St. Martinville					
Stephensville Elementary	Morgan City		X	X	X	
Teche Elementary	Breaux Bridge					
Trinity Catholic Elementary	St. Martinville				X	
JCEP	St. Martinville			X		

Essential Facilities, cont.	Schools, cont.	St. Bernard elementary	Breaux Bridge			X
		St. Martin Parish Juvenile Center	St. Martinville	X	X	X
		Special Ed Building	St. Martinville			
		Louisiana Technical College--Evangeline Campus	St. Martinville			X
		St. Martinville Elementary	St. Martinville			X
		Epiiscopal School of Acadiana (ESA) Private	Broussard			
Utilities	Power	SLEMCO Section 28 Substation	St. Martinville			X
		SLEMCO Cecilia Substation	Breaux Bridge		X	X
		SLEMCO Cypress Island Substation	St. Martinville			X
		SLEMCO St. John Metering Point	St. Martinville			X
		SLEMCO Semere Road Metering Point	Breaux Bridge		X	X
		CLECO Substation	Breaux Bridge			
		Entergy Anse La Butte	Breaux Bridge		X	X
		Entergy Cecilia	Breaux Bridge			X
		Entergy Dixie Breaux	Breaux Bridge	X	X	X
		Entergy Gecko	Breaux Bridge			
		Entergy Parks	St. Martinville		X	X
		Entergy St. John	St. Martinville		X	X
		Entergy St. Martinville	St. Martinville			X
		Entergy Cade	St. Martinville		X	X
	Oil and Gas	St. Martin Parish Industrial Park	St. Martinville		X	X
		United Water Systems	Arnaudville		X	X
	Water Treatment Plants	Belle River	Belle River		X	X
		St. Martin Parish Water District #3	Broussard			
		St. Martinville Water System	St. Martinville	X	X	X
		St. Martin Parish Water District #1	Stephensville	X	X	X
		St. Martin Parish Water District #4	St. Martinville	X	X	X
		Parks Water System (Well)	Parks		X	X
		Parks Water System (Treatment Plant)	Parks			
		Breaux Bridge Water System	Breaux Bridge			X
		Henderson/Nina Water System	Henderson		X	X
		Cecilia Water Corp.	Breaux Bridge			X
	Sewage Treatment	St. Martinville Sewage Treatment	St. Martinville			X
		Industrial Park Sewage	St. Martinville			X
		Breaux Bridge Sewer Treatment	Breaux Bridge	X	X	X
		Sugarland Sewer System	Arnaudville			X
Breaux Bridge City Hall		Breaux Bridge				
Other	Government Buildings	Park and Recreation	Breaux Bridge			X
		Henderson City Hall	Henderson	X	X	X
		Parks City Hall	Parks			
		Adam Carlson Rec Center	St. Martinville	X	X	X
		Magnolia Rec Center	St. Martinville			X
		Parish Courthouse	St. Martinville			X
		Parish Governmental Building	St. Martinville			X
		St. Martinville City Hall	St. Martinville			X
		Animal Control Center	St. Martinville			
		Other Points of Interest	FAS Services	Belle River		X
	Royal Fibergalss Pools		Breaux Bridge			
	Halliburton Energy Services		Broussard			
	Cargill Inc. Salt Division		St. Martinville		X	X
	Louisiana Sugarcane		St. Martinville			X
			Martin Mills	St. Martinville		

**Attachment c2-25  
Worksheet #4—Estimated Losses (Composite Risk Area)**

**Worksheet #4: Estimated Structure Loss (Composite Risk Area)**

Type of Asset	Name/Description of Structure	City	Structure Loss			Contents Loss			Structure Use and Function Loss						Structure Loss+Content Loss+Function Loss (\$)
			Structure Replacement Value (\$)	Inundation (ft)	Percent Damage (%)	Loss to Structure (\$)	Replacement of Contents Value (\$)	Percent Damage (%)	Loss to Contents (\$)	Average Daily Operating Budget (\$)	Functional Downtime	Displacement Cost Per Day	Displacement Time	Structure Use & Function Cost	
Hospitals	Breaux Bridge Health Unit	Breaux Bridge	\$3,587,884	0	0%	\$322,910	\$5,381,826	13.5%	\$726,547	\$1,000	15+	\$200	70	\$1,064,000	\$2,113,456
	Maison de Williams	Breaux Bridge	\$500,000	-1	0%	\$0	\$750,000	0%	\$0	\$1,000	12	\$200	46	\$561,200	\$561,200
	Cecilia Health Unit	Cecilia	\$3,587,884	-5	0%	\$0	\$5,381,826	0%	\$0	\$1,000	0	\$200	0	\$0	\$0
	St. Agnes Nursing Home	Breaux Bridge	\$3,587,884	-1	0%	\$0	\$5,381,826	0%	\$0	\$1,000	12	\$200	46	\$561,200	\$561,200
	St. Martin Hospital	Breaux Bridge	\$20,000,000	-8	0%	\$0	\$30,000,000	0%	\$0	\$1,000	12	\$200	46	\$561,200	\$561,200
	St. Martin Health Unit	St. Martinville	\$3,587,884	-8	0%	\$0	\$5,381,826	0%	\$0	\$1,000	0	\$1,000	0	\$0	\$0
	St. Martinville Rehab and Nursing Center	St. Martinville	\$3,587,884	-10	0%	\$0	\$5,381,826	0%	\$0	\$1,000	0	\$200	0	\$0	\$0
	Breaux Bridge Elementary	Breaux Bridge	\$2,258,900	-6	0%	\$0	\$3,388,350	0%	\$0	\$10,000	0	\$20,000	0	\$0	\$0
	Breaux Bridge Junior High	Breaux Bridge	\$2,258,900	-5	0%	\$0	\$3,388,350	0%	\$0	\$10,000	0	\$20,000	0	\$0	\$0
	Breaux Bridge Senior High	Breaux Bridge	\$2,258,900	-4	14%	\$316,246	\$3,388,350	21.0%	\$711,554	\$10,000	23+	\$20,000	134	\$30,954,000	\$31,981,800
Evacuation Shelters	Cecilia Senior High	Cecilia	\$2,258,900	-4	0%	\$0	\$3,388,350	0%	\$0	\$10,000	0	\$1,000	0	\$0	\$0
	Parks Elementary/Middle	Parks	\$2,258,900	-8	0%	\$0	\$3,388,350	0%	\$0	\$10,000	0	\$1,000	0	\$0	\$0
	Parks Primary	Parks	\$2,258,900	-8	0%	\$0	\$3,388,350	0%	\$0	\$10,000	0	\$1,000	0	\$0	\$0
	Catahoula Elementary	St. Martinville	\$2,258,900	-7	14%	\$316,246	\$3,388,350	21.0%	\$711,554	\$10,000	23+	\$20,000	134	\$30,954,000	\$31,981,800
	St. Martinville Elementary	St. Martinville	\$2,258,900	-7	0%	\$0	\$3,388,350	0%	\$0	\$10,000	0	\$1,000	0	\$0	\$0
	St. Martinville Alternative School	St. Martinville	\$2,258,900	-7	0%	\$0	\$3,388,350	0%	\$0	\$10,000	0	\$1,000	0	\$0	\$0
	St. Martinville Senior High	St. Martinville	\$2,258,900	-9	0%	\$0	\$3,388,350	0%	\$0	\$10,000	0	\$1,000	0	\$0	\$0
	Breaux Bridge Police Dept	Breaux Bridge	\$306,700	-5	0%	\$0	\$460,050	0%	\$0	\$10,000	0	\$3,000	0	\$0	\$0
	Henderson Police Dept	Henderson	\$44,933	-6	40%	\$17,973	\$67,400	60.0%	\$40,440	\$10,000	30	\$3,000	365	\$110,595,000	\$110,653,413
	Law Enforcement Center	St. Martinville	\$7,500,000	-8	0%	\$0	\$11,250,000	0%	\$0	\$37,500	0	\$10,000	0	\$0	\$0
Police Stations	Parks Police Dept	St. Martinville	\$44,933	-8	0%	\$0	\$67,400	0%	\$0	\$37,500	0	\$10,000	0	\$0	\$0
	Sheriff's Sub-Station	Breaux Bridge	\$3,587,884	-1	14%	\$502,304	\$5,381,826	21.0%	\$1,130,183	\$10,000	23+	\$3,000	134	\$31,222,000	\$32,854,487
	St. Martinville Police Dept	St. Martinville	\$108,100	-1	14%	\$15,134	\$162,160	21.0%	\$34,052	\$10,000	23+	\$7,000	134	\$62,678,000	\$64,210,487
	Stephensville Sheriff Sub Station	Morgan City	\$108,100	-1	14%	\$15,134	\$162,160	21.0%	\$34,052	\$10,000	23+	\$7,000	134	\$31,758,000	\$31,807,186
	Public Safety Complex-Emergency Op Center	St. Martinville	\$2,000,000	-5	0%	\$0	\$3,000,000	0%	\$0	\$10,000	0	\$2,000	0	\$0	\$0
	Belle River Volunteer FD	Pierre Part	\$3,587,884	-1	14%	\$502,304	\$5,381,826	21.0%	\$1,130,183	\$50,000	23+	\$5,000	134	\$154,770,000	\$156,402,487
	Breaux Bridge Volunteer FD	Breaux Bridge	\$3,587,884	-5	0%	\$0	\$5,381,826	0%	\$0	\$10,000	0	\$1,000	0	\$0	\$0
	Breaux Bridge FD (Sub)	Breaux Bridge	\$3,587,884	-4	0%	\$0	\$5,381,826	0%	\$0	\$10,000	0	\$1,000	0	\$0	\$0
	Butte LaRosa Volunteer FD	Breaux Bridge	\$3,587,884	-2	0%	\$0	\$5,381,826	0%	\$0	\$10,000	10	\$1,000	30	\$3,030,000	\$3,030,000
	Broussard	Broussard	\$3,587,884	-17	0%	\$0	\$5,381,826	0%	\$0	\$10,000	0	\$1,000	0	\$0	\$0
Fire Stations	Catahoula Volunteer FD	St. Martinville	\$3,587,884	-3	27%	\$968,729	\$5,381,826	40.5%	\$2,179,640	\$10,000	30	\$1,000	365	\$109,865,000	\$113,013,368
	Cecilia Volunteer FD	Breaux Bridge	\$3,587,884	-6	0%	\$0	\$5,381,826	0%	\$0	\$10,000	0	\$1,000	0	\$0	\$0
	Coteau Holmes Volunteer FD	St. Martinville	\$3,587,884	-4	29%	\$1,040,486	\$5,381,826	43.5%	\$2,341,094	\$10,000	30	\$1,000	365	\$109,865,000	\$113,246,581
	Evangeline Volunteer FD	St. Martinville	\$3,587,884	-8	0%	\$0	\$5,381,826	0%	\$0	\$50,000	0	\$5,000	0	\$0	\$0
	Evangeline Volunteer FD	St. Martinville	\$3,587,884	-4	0%	\$0	\$5,381,826	0%	\$0	\$10,000	0	\$1,000	0	\$0	\$0
	Henderson Volunteer FD	Breaux Bridge	\$3,587,884	-5	30%	\$1,076,965	\$5,381,826	45.0%	\$2,421,822	\$10,000	30	\$1,000	365	\$109,865,000	\$113,363,187
	Henderson Volunteer FD	Breaux Bridge	\$3,587,884	-1	0%	\$0	\$5,381,826	0%	\$0	\$10,000	12	\$1,000	46	\$5,666,000	\$5,666,000
	Parks Volunteer FD	Parks	\$3,587,884	-4	0%	\$0	\$5,381,826	0%	\$0	\$10,000	0	\$1,000	0	\$0	\$0
	Parks Volunteer FD	St. Martinville	\$3,587,884	-4	0%	\$0	\$5,381,826	0%	\$0	\$10,000	0	\$1,000	0	\$0	\$0
	Stephensville Volunteer FD	Morgan City	\$3,587,884	-4	29%	\$1,040,486	\$5,381,826	43.5%	\$2,341,094	\$10,000	30	\$1,000	365	\$109,865,000	\$113,246,581
Essential Facilities	St. Martinville Fire District Training Center	Breaux Bridge	\$3,587,884	-4	0%	\$0	\$5,381,826	0%	\$0	\$10,000	0	\$1,000	0	\$0	\$0
	Breaux Bridge Christian Academy	Breaux Bridge	\$350,000	-5	0%	\$0	\$525,000	0%	\$0	\$100,000	0	\$10,000	0	\$0	\$0
	Breaux Bridge Primary	Breaux Bridge	\$2,258,900	-3	0%	\$0	\$3,388,350	0%	\$0	\$100,000	0	\$10,000	0	\$0	\$0
	Breaux Bridge Elementary	Breaux Bridge	\$2,258,900	-6	0%	\$0	\$3,388,350	0%	\$0	\$100,000	0	\$10,000	0	\$0	\$0
	Breaux Bridge Junior High	Breaux Bridge	\$2,258,900	-5	0%	\$0	\$3,388,350	0%	\$0	\$100,000	0	\$10,000	0	\$0	\$0
	Breaux Bridge Senior High	Breaux Bridge	\$2,258,900	-1	14%	\$316,246	\$3,388,350	21.0%	\$711,554	\$100,000	23+	\$5,000	134	\$308,870,000	\$309,897,800
	Breaux Bridge Instructional Center	Breaux Bridge	\$2,258,900	-5	0%	\$0	\$3,388,350	0%	\$0	\$10,000	0	\$1,000	0	\$0	\$0
	Catahoula Elementary	St. Martinville	\$2,258,900	-1	14%	\$316,246	\$3,388,350	21.0%	\$711,554	\$3,000	23	\$2,000	134	\$9,514,000	\$10,541,800
	Cecilia Junior High School	Breaux Bridge	\$2,258,900	-5	0%	\$0	\$3,388,350	0%	\$0	\$10,000	0	\$1,000	0	\$0	\$0
	Cecilia High School	Breaux Bridge	\$2,258,900	-4	0%	\$0	\$3,388,350	0%	\$0	\$10,000	0	\$1,000	0	\$0	\$0
Schools	Parks Primary	Parks	\$2,258,900	-8	0%	\$0	\$3,388,350	0%	\$0	\$10,000	0	\$1,000	0	\$0	\$0
	Parks Middle	Parks	\$2,258,900	-5	0%	\$0	\$3,388,350	0%	\$0	\$10,000	0	\$1,000	0	\$0	\$0
	Early Learning Center	St. Martinville	\$2,258,900	-9	0%	\$0	\$3,388,350	0%	\$0	\$10,000	0	\$1,000	0	\$0	\$0
	School Board Office	St. Martinville	\$2,258,900	-9	0%	\$0	\$3,388,350	0%	\$0	\$10,000	0	\$1,000	0	\$0	\$0
	St. Martinville Primary	St. Martinville	\$2,258,900	-8	0%	\$0	\$3,388,350	0%	\$0	\$10,000	0	\$1,000	0	\$0	\$0
	St. Martinville Junior	St. Martinville	\$2,258,900	-8	0%	\$0	\$3,388,350	0%	\$0	\$10,000	0	\$1,000	0	\$0	\$0
	St. Martinville Senior	St. Martinville	\$2,258,900	-9	0%	\$0	\$3,388,350	0%	\$0	\$10,000	0	\$1,000	0	\$0	\$0
	Stephensville Elementary	St. Martinville	\$2,258,900	-8	0%	\$0	\$3,388,350	0%	\$0	\$10,000	0	\$1,000	0	\$0	\$0
	Teche Elementary	Breaux Bridge	\$2,258,900	-5	30%	\$677,670	\$3,388,350	45.0%	\$1,524,758	\$100,000	30	\$7,000	365	\$110,595,000	\$112,797,428
	Trinity Catholic Elementary	St. Martinville	\$100,700	-6	0%	\$0	\$151,050	0%	\$0	\$100,000	0	\$10,000	0	\$0	\$0
Schools	JCEP	St. Martinville	\$2,258,900	-7	0%	\$0	\$3,388,350	0%	\$0	\$20,000	0	\$2,000	0	\$0	\$0
	St. Bernard Elementary	Breaux Bridge	\$97,100	-3	0%	\$0	\$145,650	0%	\$0	\$20,000	0	\$2,000	0	\$0	\$0
	St. Martin Parish Juvenile Center	St. Martinville	\$636,067	-3	30%	\$190,820	\$954,101	45.0%	\$429,345	\$10,000	30	\$10,000	365	\$414,275,000	\$414,895,165
	Special Ed Building	St. Martinville	\$11,652,600	-6	0%	\$0	\$17,478,900	0%	\$0	\$10,000	0	\$1,000	0	\$0	\$0
	Louisiana Technical College-Evangeline Campus	St. Martinville	\$11,652,600	-7	0%	\$0	\$17,478,900	0%	\$0	\$10,000	0	\$1,000	0	\$0	\$0
	St. Martinville Elementary	St. Martinville	\$2,258,900	-7	0%	\$0	\$3,388,350	0%	\$0	\$10,000	0	\$1,000	0	\$0	\$0
	St. Martinville Elementary	St. Martinville	\$2,258,900	-7	0%	\$0	\$3,388,350	0%	\$0	\$10,000	0	\$1,000	0	\$0	\$0
	Epiroc School of Acadiana (ESA) Private	Broussard	\$140,800	-16	0%	\$0	\$211,200	0%	\$0	\$3,000	0	\$3,000	0	\$0	\$0

Type of Asset	Name/Description of Structure	City	Structure Loss			Contents Loss			Structure Use and Function Loss				Structure Loss+Content Loss+Function Loss (\$)		
			Structure Replacement Value (\$)	Inundation (ft)	Percent Damage (%)	Loss to Structure (\$)	Replacement of Contents Value (\$)	Percent Damage (%)	Loss to Contents (\$)	Average Daily Operating Budget (\$)	Functional Downtime	Displacement Cost Per Day		Displacement Time	Structure Use & Function Cost
Utilities	SLEMCO Section 28 Substation	St. Martinville	\$3,597,884	-3	0%	\$0	\$5,381,826	0%	\$0	\$10,000	0	\$3,000	0	\$0	
	SLEMCO Cecilia Substation	Breaux Bridge	\$3,597,884	5	30%	\$1,076,365	\$5,381,826	45%	\$2,421,822	\$10,000	30	\$3,000	365	\$110,595,000	
	SLEMCO Cypress Island Substation	St. Martinville	\$3,597,884	0	9%	\$322,910	\$5,381,826	13.5%	\$726,547	\$10,000	15	\$3,000	70	\$10,710,000	
	SLEMCO St. John Metering Point	St. Martinville	\$3,597,884	0	9%	\$322,910	\$5,381,826	13.5%	\$726,547	\$10,000	15	\$3,000	70	\$10,710,000	
	SLEMCO Semere Road Metering Point	Breaux Bridge	\$3,597,884	4	29%	\$1,040,486	\$5,381,826	43.5%	\$2,341,094	\$10,000	30	\$3,000	365	\$110,595,000	
	CLECO Substation	Breaux Bridge	\$3,597,884	6	40%	\$1,435,154	\$5,381,826	60%	\$3,229,096	\$10,000	30	\$3,000	365	\$110,595,000	
	Energy Anse La Butte	Breaux Bridge	\$3,597,884	-3	0%	\$0	\$5,381,826	0%	\$0	\$10,000	0	\$3,000	0	\$0	
	Energy Cecilia	Breaux Bridge	\$3,597,884	4	29%	\$1,040,486	\$5,381,826	43.5%	\$2,341,094	\$10,000	30	\$3,000	365	\$110,595,000	
	Energy Dixie Breaux	Breaux Bridge	\$3,597,884	-9	0%	\$0	\$5,381,826	0%	\$0	\$10,000	0	\$3,000	0	\$0	
	Energy Gecko	Breaux Bridge	\$3,597,884	4	29%	\$1,040,486	\$5,381,826	43.5%	\$2,341,094	\$10,000	30	\$3,000	365	\$110,595,000	
	Energy Parks	Breaux Bridge	\$3,597,884	1	14%	\$602,304	\$5,381,826	21%	\$1,130,183	\$10,000	23	\$3,000	134	\$31,222,000	
	Energy St. John	St. Martinville	\$3,597,884	0	9%	\$322,910	\$5,381,826	13.5%	\$726,547	\$10,000	15	\$3,000	70	\$10,710,000	
	Energy St. Martinville	St. Martinville	\$3,597,884	7	42%	\$1,542,790	\$5,381,826	64.5%	\$3,471,278	\$10,000	30	\$3,000	365	\$110,595,000	
	Energy Gade	St. Martinville	\$3,597,884	16	45%	\$1,614,548	\$5,381,826	67.5%	\$3,652,733	\$10,000	30	\$3,000	365	\$110,595,000	
	Oil and Gas	St. Martin Parish Industrial Park	St. Martinville	\$3,597,884	-6	0%	\$0	\$5,381,826	0%	\$0	\$37,500	0	\$10,000	0	\$0
United Water Systems		Arnaudville	\$1,500,000	1	14%	\$210,000	\$2,250,000	21%	\$472,500	\$37,500	23	\$10,000	134	\$31,222,000	
Belle River		Belle River	\$0	3	27%	\$0	\$0	40.5%	\$0	\$37,500	30	\$10,000	365	\$414,275,000	
St. Martin Parish Water District #3		Broussard	\$800,000	-17	0%	\$0	\$120,000	0%	\$0	\$20,000	0	\$7,000	0	\$0	
St. Martinville Water System		St. Martinville	\$3,597,884	5	30%	\$1,076,365	\$5,381,826	45%	\$2,421,822	\$37,500	30	\$10,000	365	\$414,275,000	
St. Martin Parish Water District #1		Stephenville	\$800,000	3	27%	\$216,000	\$120,000	40.5%	\$48,600	\$20,000	30	\$7,000	365	\$221,555,000	
St. Martin Parish Water District #4		St. Martinville	\$66,000	2	22%	\$19,360	\$132,000	33%	\$43,560	\$20,000	230	\$3,000	365	\$69,690,000	
Parks Water System (Well)		Parks	\$95,000	1	14%	\$9,128	\$97,800	21%	\$20,538	\$20,000	23	\$7,000	134	\$62,578,000	
Parks Water System (Treatment Plant)		Parks	\$3,597,884	-9	0%	\$0	\$5,381,826	0%	\$0	\$37,500	0	\$10,000	0	\$0	
Breaux Bridge Water System		Breaux Bridge	\$3,597,884	-3	0%	\$0	\$5,381,826	0%	\$0	\$10,000	0	\$3,000	0	\$0	
Henderson/Nina Water System		Henderson	\$2,500,000	0	9%	\$225,000	\$7,500,000	13.5%	\$506,250	\$10,000	15	\$3,000	70	\$10,710,000	
Cecilia Water Corp.		Breaux Bridge	\$2,500,000	-2	0%	\$0	\$3,750,000	0%	\$0	\$37,500	10	\$7,000	30	\$11,460,000	
St. Martinville Sewage Treatment		St. Martinville	\$3,597,884	-2	0%	\$0	\$5,381,826	0%	\$0	\$37,500	10	\$7,000	30	\$11,460,000	
Industrial Park Sewage		St. Martinville	\$3,597,884	-5	0%	\$0	\$5,381,826	0%	\$0	\$37,500	0	\$10,000	0	\$0	
Breaux Bridge Sewer Treatment		Breaux Bridge	\$3,597,884	7	43%	\$1,542,790	\$5,381,826	64.5%	\$3,471,278	\$10,000	30	\$3,000	365	\$110,595,000	
Sugarland Sewer System	Arnaudville	\$1,000,000	-2	0%	\$0	\$1,500,000	0%	\$0	\$10,000	10	\$3,000	30	\$3,090,000		
Sewage Treatment	Breaux Bridge City Hall	Breaux Bridge	\$3,597,884	-2	0%	\$0	\$5,381,826	0%	\$0	\$1,000	0	\$200	0	\$0	
	Park and Recreation	Breaux Bridge	\$500,000	-2	0%	\$0	\$750,000	0%	\$0	\$1,000	10	\$200	30	\$306,000	
	Henderson City Hall	Henderson	\$500,000	6	40%	\$300,000	\$1,125,000	60%	\$675,000	\$1,000	30	\$200	365	\$11,023,000	
	Parks City Hall	Henderson	\$3,597,884	-8	14%	\$0	\$5,381,826	21%	\$157,500	\$1,000	23	\$200	134	\$3,108,800	
	Adam Carlson Rec Center	St. Martinville	\$500,000	-8	0%	\$0	\$750,000	0%	\$0	\$1,000	0	\$200	0	\$0	
	Magnolia Rec Center	St. Martinville	\$500,000	-8	0%	\$0	\$750,000	0%	\$0	\$1,000	0	\$200	0	\$0	
	Parish Courthouse	St. Martinville	\$3,597,884	-8	0%	\$0	\$5,381,826	0%	\$0	\$1,000	0	\$200	0	\$0	
	Parish Governmental Building	St. Martinville	\$3,597,884	-8	0%	\$0	\$5,381,826	0%	\$0	\$1,000	0	\$200	0	\$0	
	St. Martinville City Hall	St. Martinville	\$3,597,884	-4	0%	\$0	\$5,381,826	0%	\$0	\$1,000	0	\$200	0	\$0	
	St. Martin Parish Council on Aging	Breaux Bridge	\$3,597,884	-4	0%	\$0	\$5,381,826	0%	\$0	\$1,000	0	\$200	0	\$0	
	Breaux Bridge Branch Library	Breaux Bridge	\$3,597,884	-4	0%	\$0	\$5,381,826	0%	\$0	\$1,000	0	\$200	0	\$0	
	Belle River Recreation Center	St. Martinville	\$3,597,884	-4	0%	\$0	\$5,381,826	0%	\$0	\$1,000	0	\$200	0	\$0	
	Cecilia Branch Library	Cecilia	\$3,597,884	-4	0%	\$0	\$5,381,826	0%	\$0	\$1,000	0	\$200	0	\$0	
	Cade Community Center	St. Martinville	\$3,597,884	-4	0%	\$0	\$5,381,826	0%	\$0	\$1,000	0	\$200	0	\$0	
	St. Martinville Branch Library	St. Martinville	\$3,597,884	-4	0%	\$0	\$5,381,826	0%	\$0	\$1,000	0	\$200	0	\$0	
Animal Control Center	St. Martinville	\$3,597,884	-5	0%	\$0	\$5,381,826	0%	\$0	\$1,000	0	\$200	0	\$0		
Other Points of Interest	FAS Services	Belle River	\$27,720	2	22%	\$6,270	\$189,000	33%	\$62,370	\$1,000	30	\$200	230	\$6,946,000	
	Royal Fiberglass Pools	Breaux Bridge	\$0	-6	0%	\$0	\$0	0%	\$0	\$37,500	0	\$10,000	0	\$0	
	Halliburton Energy Services	Broussard	\$0	-8	0%	\$0	\$0	0%	\$0	\$2,500	0	\$7,000	0	\$0	
	Cargill Inc. Salt Division	St. Martinville	\$14,300	4	29%	\$4,147	\$21,450	43.5%	\$9,331	\$10,000	30	\$3,000	365	\$110,595,000	
	Louisiana Sugarcane	St. Martinville	\$114,534	-5	0%	\$0	\$171,801	0%	\$0	\$10,000	0	\$3,000	0	\$0	
Martin Mills	St. Martinville	\$4,200,000	-9	0%	\$0	\$6,300,000	0%	\$0	\$100,000	0	\$20,000	0	\$0		
Replacement Value Total			\$327,016,838	Total Estimated Losses			\$21,889,927	Total Contents Loss			\$49,252,336	Total Structure Use and Function Loss			\$4,148,526,664

**Attachment c2-26  
Worksheet #4—Estimated Losses (Levee Failure)**

**Worksheet #4: Estimated Structure Loss (Levee Failure)**

Type of Asset	Name/Description of Structure	City	Structure Loss			Contents Loss			Structure Use and Function Loss					Structure Loss+Content Loss+Function Loss (\$)		
			Structure Replacement Value (\$)	Inundation (ft)	Percent Damage (%)	Loss to Structure (\$)	Replacement of Contents Value (\$)	Percent Damage (%)	Loss to Contents (\$)	Average Daily Operating Budget (\$)	Functional Downtime	Displacement Cost Per Day	Displacement Time		Structure Use & Function Cost	
Hospitals	Breaux Bridge Health Unit	Breaux Bridge	\$3,597,884 X	4	27%	\$968,729	\$668,729	\$3,597,884 X	40.5%	\$2,179,620	\$1,000 X	30	\$2,000 X	365	\$11,023,000	\$14,171,288
	Mason de Williams	Breaux Bridge	\$500,000 X	3	22%	\$110,000	\$110,000	\$500,000 X	33.0%	\$165,000	\$1,000 X	30	\$2,000 X	365	\$11,023,000	\$11,380,500
	Cecilia Health Unit	Cecilia	\$3,597,884 X	0	6%	\$222,010	\$322,010	\$3,597,884 X	13.5%	\$481,826 X	\$1,000 X	15	\$2,000 X	70	\$1,064,000	\$2,113,165
	St. Agnes Nursing Home	Breaux Bridge	\$3,597,884 X	1	14%	\$502,304	\$502,304	\$3,597,884 X	21.0%	\$754,787	\$1,000 X	23	\$2,000 X	365	\$3,068,800	\$4,741,287
	St. Martin Hospital	Breaux Bridge	\$2,000,000 X	3	27%	\$540,000	\$540,000	\$2,000,000 X	40.5%	\$822,000	\$1,000 X	30	\$2,000 X	365	\$11,023,000	\$12,023,000
	St. Martinville Health Unit	St. Martinville	\$3,597,884 X	0	9%	\$322,910	\$322,910	\$3,597,884 X	13.5%	\$481,826 X	\$1,000 X	15	\$2,000 X	70	\$1,064,000	\$2,966,487
	St. Martinville Rehab and Nursing Center	St. Martinville	\$2,256,900 X	-2	0%	\$0	\$0	\$2,256,900 X	0.0%	\$0	\$0	10	\$20,000 X	30	\$9,600,000	\$9,600,000
	Breaux Bridge Elementary	Breaux Bridge	\$2,256,900 X	7	43%	\$971,327	\$971,327	\$2,256,900 X	64.5%	\$1,455,466	\$1,000 X	30	\$2,000 X	365	\$109,865,000	\$113,021,813
	Breaux Bridge Junior High	Breaux Bridge	\$2,256,900 X	1	14%	\$316,246	\$316,246	\$2,256,900 X	21.0%	\$322,910	\$1,000 X	0	\$20,000 X	0	\$0	\$1,027,800
	Breaux Bridge Senior High	Cecilia	\$2,256,900 X	3	27%	\$609,903	\$609,903	\$2,256,900 X	40.5%	\$929,806	\$1,000 X	30	\$2,000 X	365	\$109,865,000	\$111,847,185
Evacuation Shelters	Parks Elementary/Middle	Parks	\$2,256,900 X	-1	0%	\$0	\$0	\$2,256,900 X	0.0%	\$0	\$10,000 X	12	\$1,000 X	46	\$5,566,000	\$5,566,000
	Parks Primary	Parks	\$2,256,900 X	10	45%	\$1,016,505	\$1,016,505	\$2,256,900 X	67.5%	\$2,287,136	\$1,000 X	30	\$2,000 X	365	\$109,865,000	\$113,168,641
	Catahoula Elementary	St. Martinville	\$2,256,900 X	3	22%	\$496,958	\$496,958	\$2,256,900 X	33.0%	\$746,116	\$1,000 X	30	\$2,000 X	365	\$109,865,000	\$111,480,114
	St. Martinville Elementary	St. Martinville	\$2,256,900 X	3	22%	\$496,958	\$496,958	\$2,256,900 X	33.0%	\$746,116	\$1,000 X	30	\$2,000 X	365	\$109,865,000	\$110,361,958
	St. Martinville Alternative School	St. Martinville	\$2,256,900 X	-1	0%	\$0	\$0	\$2,256,900 X	0.0%	\$0	\$10,000 X	12	\$1,000 X	46	\$5,566,000	\$5,566,000
	Breaux Bridge Police Dept	Breaux Bridge	\$306,700 X	-2	0%	\$0	\$0	\$306,700 X	0.0%	\$0	\$10,000 X	10	\$3,000 X	30	\$3,050,000	\$3,050,000
	Henderson Police Dept	Henderson	\$44,933 X	16	45%	\$20,220	\$20,220	\$44,933 X	67.5%	\$45,495	\$10,000 X	30	\$10,000 X	365	\$110,595,000	\$110,660,715
	Law Enforcement Center	St. Martinville	\$44,933 X	2	14%	\$1,050,000	\$1,050,000	\$44,933 X	21.0%	\$2,362,500	\$3,500 X	0	\$10,000 X	0	\$0	\$3,412,500
	Parks Police Dept	St. Martinville	\$44,933 X	-1	0%	\$0	\$0	\$44,933 X	0.0%	\$0	\$7,500 X	12	\$7,500 X	46	\$21,160,000	\$21,160,000
	Sheriff's Sub-Station	Breaux Bridge	\$3,597,884 X	3	27%	\$968,729	\$968,729	\$3,597,884 X	40.5%	\$2,179,620	\$1,000 X	30	\$2,000 X	365	\$110,595,000	\$113,743,368
Police Stations	St. Martinville Police Dept	St. Martinville	\$3,597,884 X	10	45%	\$1,614,548	\$1,614,548	\$3,597,884 X	67.5%	\$3,632,733	\$2,000 X	30	\$2,000 X	365	\$109,865,000	\$126,802,280
	Stephensville Sheriff Sub Station	Morgan City	\$108,100 X	8	43%	\$46,483	\$46,483	\$108,100 X	64.5%	\$104,587	\$10,000 X	30	\$7,000 X	365	\$112,055,000	\$112,206,070
	Public Safety Complex-Emergency Op. Center	St. Martinville	\$2,000,000 X	0	9%	\$180,000	\$180,000	\$2,000,000 X	13.5%	\$270,000	\$10,000 X	0	\$0	\$0	\$0	\$585,000
	Belle River Volunteer FD	Belle River	\$1,542,760	7	43%	\$661,160	\$661,160	\$1,542,760	64.5%	\$1,371,278	\$5,000 X	30	\$5,000 X	365	\$5,625,000	\$5,625,000
	Breaux Bridge Volunteer FD	Breaux Bridge	\$3,597,884 X	-1	0%	\$0	\$0	\$3,597,884 X	0.0%	\$0	\$10,000 X	12	\$1,000 X	46	\$5,566,000	\$5,566,000
	Breaux Bridge FD (Sub)	Breaux Bridge	\$3,597,884 X	-2	0%	\$0	\$0	\$3,597,884 X	0.0%	\$0	\$10,000 X	10	\$1,000 X	30	\$3,030,000	\$3,030,000
	Butte LaProue Volunteer FD	Breaux Bridge	\$3,597,884 X	5	30%	\$1,076,965	\$1,076,965	\$3,597,884 X	45.0%	\$2,421,832	\$1,000 X	30	\$2,000 X	365	\$109,865,000	\$113,363,187
	Cade Volunteer FD	Broussard	\$3,597,884 X	-5	0%	\$0	\$0	\$3,597,884 X	0.0%	\$0	\$10,000 X	0	\$0	\$0	\$0	\$0
	Catahoula Volunteer FD	St. Martinville	\$3,597,884 X	12	45%	\$1,614,548	\$1,614,548	\$3,597,884 X	67.5%	\$3,632,733	\$10,000 X	30	\$10,000 X	365	\$109,865,000	\$115,112,280
	Cecilia Volunteer FD	Breaux Bridge	\$3,597,884 X	-1	0%	\$0	\$0	\$3,597,884 X	0.0%	\$0	\$10,000 X	0	\$0	\$0	\$0	\$0
Fire Stations	Coreau-Holmes Volunteer FD	St. Martinville	\$3,597,884 X	14	45%	\$1,614,548	\$1,614,548	\$3,597,884 X	67.5%	\$3,632,733	\$10,000 X	30	\$10,000 X	365	\$109,865,000	\$115,112,280
	Evangeline Volunteer FD	St. Martinville	\$3,597,884 X	14	45%	\$1,614,548	\$1,614,548	\$3,597,884 X	67.5%	\$3,632,733	\$10,000 X	30	\$10,000 X	365	\$109,865,000	\$115,112,280
	Evangeline Volunteer FD	St. Martinville	\$3,597,884 X	5	30%	\$1,076,965	\$1,076,965	\$3,597,884 X	45.0%	\$2,421,832	\$1,000 X	134	\$154,710,000	\$156,402,187		
	Evangeline Volunteer FD	St. Martinville	\$3,597,884 X	15	45%	\$1,614,548	\$1,614,548	\$3,597,884 X	67.5%	\$3,632,733	\$1,000 X	30	\$2,000 X	365	\$109,865,000	\$113,363,187
	Henderson Volunteer FD	Breaux Bridge	\$3,597,884 X	7	43%	\$1,542,760	\$1,542,760	\$3,597,884 X	64.5%	\$3,471,278	\$1,000 X	30	\$2,000 X	365	\$109,865,000	\$114,819,068
	Parks Volunteer FD	Parks	\$3,597,884 X	-1	0%	\$0	\$0	\$3,597,884 X	0.0%	\$0	\$10,000 X	12	\$1,000 X	46	\$5,566,000	\$5,566,000
	Parks Volunteer FD	Parks	\$3,597,884 X	4	29%	\$1,040,485	\$1,040,485	\$3,597,884 X	43.5%	\$2,341,064	\$10,000 X	30	\$10,000 X	365	\$109,865,000	\$113,246,581
	Stephensville Volunteer FD	Morgan City	\$3,597,884 X	6	40%	\$1,435,154	\$1,435,154	\$3,597,884 X	60.0%	\$3,229,096	\$10,000 X	30	\$10,000 X	365	\$109,865,000	\$114,529,249
	St. Martinville Fire District Training Center	Breaux Bridge	\$3,597,884 X	1	14%	\$502,304	\$502,304	\$3,597,884 X	21.0%	\$1,130,183	\$10,000 X	23	\$10,000 X	134	\$30,954,000	\$32,586,487
	Breaux Bridge Christian Academy	Breaux Bridge	\$350,000 X	-1	0%	\$0	\$0	\$350,000 X	0.0%	\$0	\$10,000 X	12	\$10,000 X	46	\$5,566,000	\$5,566,000
Schools	Breaux Bridge Primary	Breaux Bridge	\$2,256,900 X	1	14%	\$316,246	\$316,246	\$2,256,900 X	21.0%	\$236,311	\$10,000 X	134	\$10,000 X	134	\$309,540,000	\$310,567,800
	Breaux Bridge Elementary	Breaux Bridge	\$2,256,900 X	-2	0%	\$0	\$0	\$2,256,900 X	0.0%	\$0	\$10,000 X	0	\$0	\$0	\$0	\$0
	Breaux Bridge Junior High	Breaux Bridge	\$2,256,900 X	-2	0%	\$0	\$0	\$2,256,900 X	0.0%	\$0	\$10,000 X	10	\$1,000 X	30	\$3,030,000	\$3,030,000
	Breaux Bridge Senior High	Breaux Bridge	\$2,256,900 X	7	43%	\$971,327	\$971,327	\$2,256,900 X	64.5%	\$2,185,486	\$10,000 X	30	\$10,000 X	365	\$1,096,625,000	\$1,099,881,813
	Breaux Bridge Instructional Center	Breaux Bridge	\$2,256,900 X	-2	0%	\$0	\$0	\$2,256,900 X	0.0%	\$0	\$10,000 X	10	\$1,000 X	30	\$3,030,000	\$3,030,000
	Catahoula Elementary	St. Martinville	\$2,256,900 X	10	45%	\$1,016,505	\$1,016,505	\$2,256,900 X	67.5%	\$2,287,136	\$3,000 X	30	\$2,000 X	365	\$3,360,000	\$36,883,641
	Cecilia Primary	Breaux Bridge	\$2,256,900 X	-1	0%	\$0	\$0	\$2,256,900 X	0.0%	\$0	\$10,000 X	12	\$1,000 X	46	\$5,566,000	\$5,566,000
	Cecilia Junior High School	Breaux Bridge	\$2,256,900 X	-1	0%	\$0	\$0	\$2,256,900 X	0.0%	\$0	\$10,000 X	12	\$1,000 X	46	\$5,566,000	\$5,566,000
	Cecilia High School	Breaux Bridge	\$2,256,900 X	1	14%	\$316,246	\$316,246	\$2,256,900 X	21.0%	\$236,311	\$10,000 X	134	\$10,000 X	134	\$31,981,500	\$32,981,500
	Parks Primary	Parks	\$2,256,900 X	-1	0%	\$0	\$0	\$2,256,900 X	0.0%	\$0	\$10,000 X	12	\$1,000 X	46	\$5,566,000	\$5,566,000
Essential Facilities	Parks Middle	Parks	\$2,256,900 X	3	27%	\$609,903	\$609,903	\$2,256,900 X	40.5%	\$1,372,282	\$10,000 X	30	\$10,000 X	365	\$110,595,000	\$112,577,185
	Early Learning Center	St. Martinville	\$2,256,900 X	3	27%	\$609,903	\$609,903	\$2,256,900 X	40.5%	\$1,372,282	\$37,500 X	30	\$37,500 X	365	\$414,275,000	\$416,257,185
	School Board Office	St. Martinville	\$2,256,900 X	0	9%	\$203,301	\$203,301	\$2,256,900 X	13.5%	\$457,427	\$10,000 X	15	\$10,000 X	70	\$10,710,000	\$11,370,728
	St. Martinville Primary	St. Martinville	\$2,256,900 X	0	9%	\$203,301	\$203,301	\$2,256,900 X	13.5%	\$457,427	\$10,000 X	15	\$10,000 X	70	\$10,710,000	\$11,370,728
	St. Martinville Junior	St. Martinville	\$328,367 X	1	14%	\$45,971	\$45,971	\$328,367 X	21.0%	\$103,436	\$10,000 X	23	\$10,000 X	134	\$31,371,407	\$31,722,000
	St. Martinville Senior	St. Martinville	\$2,256,900 X	-1	0%	\$0	\$0	\$2,256,900 X	0.0%	\$0	\$10,000 X	12	\$1,000 X	46	\$5,566,000	\$5,566,000
	Stephensville Elementary	Stephensville	\$2,256,900 X	8	44%	\$993,916	\$993,916	\$2,256,900 X	66.0%	\$2,236,311	\$10,000 X	30	\$10,000 X	365	\$110,595,000	\$113,825,227
	Teche Elementary	Breaux Bridge	\$2,256,900 X	-2	0%	\$0	\$0	\$2,256,900 X	0.0%	\$0	\$10,000 X	10	\$1,000 X	30	\$3,030,000	\$3,030,000
	Trinity Catholic Elementary	St. Martinville	\$100,700 X	3	27%	\$27,189	\$27,189	\$100,700 X	40.5%	\$61,175	\$20,000 X	30	\$20,000 X	365	\$221,643,364	\$221,643,364
	JCEP	St. Martinville	\$2,256,900 X	3	27%	\$609,903	\$609,903	\$2,256,900 X	40.5%	\$1,372,282	\$10,000 X	30	\$10,000 X	365	\$110,595,000	\$112,967,185
Other	St. Bernard Elementary	Breaux Bridge	\$87,100 X	0	9%	\$7,959	\$7,959	\$87,100 X	13.5%	\$117,660	\$10,000 X	15	\$10,000 X	70	\$10,710,000	\$11,228,000
	St. Martin Parish Juvenile Center	Breaux Bridge	\$63,087 X	10	45%	\$286,230	\$286,230	\$63,087 X	67.5%	\$644,018	\$10,000 X	30	\$10,000 X	365	\$110,595,000	\$111,228,000
	Special Ed Building	St. Martinville	\$2,256,900 X	3	27%	\$609,903	\$609,903	\$2,256,900 X	40.5%	\$1,372,282	\$10,000 X	30	\$10,000 X	365	\$110,595,000	\$111,967,185

Type of Asset	Name/Description of Structure	City	Structure Loss			Contents Loss			Structure Use and Function Loss					Structure Loss+Content Loss+Function Loss (\$)	
			Structure Replacement Value (\$)	Inundation (ft)	Percent Damage (%)	Loss to Structure (\$)	Replacement of Contents Value (\$)	Percent Damage (%)	Loss to Contents (\$)	Average Daily Operating Budget (\$)	Functional Downtime	Displacement Cost Per Day	Displacement Time		Structure Use & Function Cost
Power	SLEMCO Section 28 Substation	St. Martinville	\$3,567,884	12	45%	\$1,614,548	\$5,381,826	67.5%	\$3,632,733	\$10,000	30	\$3,000	365	\$110,595,000	\$115,842,280
	SLEMCO Cecilia Substation	Breaux Bridge	\$3,567,884	0	9%	\$322,910	\$5,381,826	13.9%	\$726,547	\$10,000	15	\$3,000	70	\$10,710,000	\$11,759,496
	SLEMCO Cypress Island Substation	St. Martinville	\$3,567,884	8	44%	\$1,576,669	\$5,381,826	66.0%	\$3,552,005	\$10,000	30	\$3,000	365	\$110,595,000	\$115,725,674
	SLEMCO St. John Metering Point	St. Martinville	\$3,567,884	9	45%	\$1,614,548	\$5,381,826	67.5%	\$3,632,733	\$10,000	30	\$3,000	365	\$110,595,000	\$115,842,280
	SLEMCO Semere Road Metering Point	Breaux Bridge	\$3,567,884	2	22%	\$789,334	\$5,381,826	33.0%	\$1,776,003	\$10,000	30	\$3,000	230	\$69,690,000	\$72,255,337
	CLECO Substation	Breaux Bridge	\$3,567,884	-2	0%	\$0	\$5,381,826	0.0%	\$0	\$10,000	10	\$3,000	30	\$3,090,000	\$3,090,000
	Entergy Anse La Butte	Breaux Bridge	\$3,567,884	4	29%	\$1,040,466	\$5,381,826	43.5%	\$2,341,094	\$10,000	30	\$3,000	365	\$110,595,000	\$113,976,581
	Entergy Cecilia	Breaux Bridge	\$3,567,884	2	22%	\$789,334	\$5,381,826	33.0%	\$1,776,003	\$10,000	30	\$3,000	230	\$69,690,000	\$72,255,337
	Entergy Dixie Breaux	Breaux Bridge	\$3,567,884	6	40%	\$1,435,154	\$5,381,826	60.0%	\$3,229,096	\$10,000	30	\$3,000	365	\$110,595,000	\$115,259,249
	Entergy Gecho	Breaux Bridge	\$3,567,884	-3	0%	\$0	\$5,381,826	0.0%	\$0	\$10,000	0	\$3,000	0	\$0	\$0
	Entergy Parks	St. Martinville	\$3,567,884	8	44%	\$1,576,669	\$5,381,826	66.0%	\$3,552,005	\$10,000	30	\$3,000	365	\$110,595,000	\$115,725,674
	Entergy St. John	St. Martinville	\$3,567,884	9	45%	\$1,614,548	\$5,381,826	67.5%	\$3,632,733	\$10,000	30	\$3,000	365	\$110,595,000	\$115,842,280
	Entergy St. Martinville	St. Martinville	\$3,567,884	2	22%	\$789,334	\$5,381,826	33.0%	\$1,776,003	\$10,000	30	\$3,000	230	\$69,690,000	\$72,255,337
	Entergy Cade	St. Martinville	\$3,567,884	-8	0%	\$0	\$5,381,826	0.0%	\$0	\$10,000	0	\$3,000	0	\$0	\$0
	St. Martin Parish Industrial Park	St. Martinville	\$3,567,884	4	29%	\$1,040,466	\$5,381,826	43.5%	\$2,341,094	\$10,000	30	\$3,000	365	\$110,595,000	\$113,976,581
	United Water Systems	Arnaudville	\$1,500,000	1	14%	\$210,000	\$2,250,000	21.0%	\$472,500	\$37,500	23	\$3,000	134	\$31,222,000	\$31,904,500
	Belle River	Belle River	\$0	8	44%	\$0	\$0	66.0%	\$0	\$10,000	30	\$10,000	365	\$414,275,000	\$414,275,000
	St. Martin Parish Water District #3	St. Martinville	\$60,000	-10	0%	\$0	\$120,000	0.0%	\$0	\$7,000	0	\$7,000	0	\$0	\$0
	St. Martinville Water System	St. Martinville	\$3,567,884	12	45%	\$1,614,548	\$5,381,826	67.5%	\$3,632,733	\$37,500	30	\$10,000	365	\$414,275,000	\$419,522,280
	St. Martin Parish Water District #1	St. Martinville	\$60,000	7	43%	\$34,400	\$120,000	64.5%	\$77,400	\$20,000	30	\$7,000	365	\$221,555,000	\$221,666,800
St. Martin Parish Water District #4	St. Martinville	\$60,000	11	45%	\$39,600	\$120,000	67.5%	\$89,100	\$10,000	30	\$3,000	365	\$110,595,000	\$110,723,700	
Parks Water System (Well)	Parks	\$65,200	7	43%	\$26,036	\$97,600	64.5%	\$65,081	\$20,000	30	\$7,000	365	\$221,555,000	\$221,646,117	
Breaux Bridge Water System	Breaux Bridge	\$3,567,884	-2	0%	\$0	\$5,381,826	0.0%	\$0	\$37,500	10	\$10,000	30	\$11,550,000	\$11,550,000	
Breaux Bridge Water System	Breaux Bridge	\$3,567,884	1	14%	\$502,304	\$5,381,826	21.0%	\$1,130,183	\$10,000	23	\$3,000	134	\$31,222,000	\$32,854,487	
Henderson/Nina Water System	Henderson	\$2,500,000	10	45%	\$1,125,000	\$3,750,000	67.5%	\$2,531,250	\$10,000	30	\$3,000	365	\$110,595,000	\$114,251,250	
Cecilia Water Corp.	Breaux Bridge	\$2,500,000	3	27%	\$675,000	\$3,750,000	40.5%	\$1,518,750	\$37,500	30	\$7,000	365	\$413,180,000	\$415,373,750	
St. Martinville Sewage Treatment	St. Martinville	\$3,567,884	7	43%	\$1,542,790	\$5,381,826	64.5%	\$3,471,278	\$37,500	30	\$10,000	365	\$414,275,000	\$419,289,068	
Industrial Park Sewage	St. Martinville	\$3,567,884	5	30%	\$1,076,365	\$5,381,826	45.0%	\$2,421,822	\$37,500	30	\$10,000	365	\$414,275,000	\$417,773,187	
Breaux Bridge Sewer Treatment	Breaux Bridge	\$3,567,884	8	44%	\$1,576,669	\$5,381,826	66.0%	\$3,552,005	\$10,000	30	\$3,000	365	\$110,595,000	\$115,725,674	
Sugarland Sewer System	Arnaudville	\$1,000,000	3	27%	\$270,000	\$1,500,000	40.5%	\$607,500	\$10,000	30	\$3,000	365	\$110,595,000	\$111,472,500	
Breaux Bridge City Hall	Breaux Bridge	\$3,567,884	-2	0%	\$0	\$5,381,826	0.0%	\$0	\$1,000	10	\$1,000	30	\$306,000	\$306,000	
Park and Recreation	Breaux Bridge	\$500,000	2	22%	\$110,000	\$750,000	33.0%	\$247,500	\$200	20	\$200	230	\$6,946,000	\$7,303,500	
Henderson City Hall	Henderson	\$750,000	15	45%	\$337,500	\$1,125,000	67.5%	\$253,125	\$1,000	30	\$1,000	365	\$11,023,000	\$12,119,675	
Parks City Hall	Parks	\$3,567,884	-1	0%	\$0	\$5,381,826	0.0%	\$0	\$200	12	\$200	46	\$961,200	\$961,200	
Adam Carlson Rec Center	St. Martinville	\$500,000	10	45%	\$225,000	\$750,000	67.5%	\$506,250	\$1,000	30	\$1,000	365	\$11,023,000	\$11,754,250	
Magnolia Rec Center	St. Martinville	\$500,000	1	14%	\$70,000	\$700,000	21.0%	\$157,500	\$1,000	23	\$1,000	134	\$3,108,800	\$3,336,300	
Parish Courthouse	St. Martinville	\$3,567,884	1	14%	\$502,304	\$5,381,826	21.0%	\$1,130,183	\$1,000	23	\$1,000	134	\$3,108,800	\$4,741,287	
Parish Governmental Building	St. Martinville	\$3,567,884	1	14%	\$502,304	\$5,381,826	21.0%	\$1,130,183	\$1,000	23	\$1,000	134	\$3,108,800	\$4,741,287	
St. Martinville City Hall	St. Martinville	\$3,567,884	5	30%	\$1,076,365	\$5,381,826	45.0%	\$2,421,822	\$1,000	30	\$200	365	\$11,023,000	\$14,521,187	
St. Martin Parish Council on Aging	Breaux Bridge	\$3,567,884	5	0%	\$0	\$5,381,826	0.0%	\$0	\$1,000	30	\$200	365	\$11,023,000	\$11,023,000	
Breaux Bridge Branch Library	Breaux Bridge	\$3,567,884	5	0%	\$0	\$5,381,826	0.0%	\$0	\$1,000	30	\$200	365	\$11,023,000	\$11,023,000	
Belle River Recreation Center	St. Martinville	\$3,567,884	5	0%	\$0	\$5,381,826	0.0%	\$0	\$1,000	30	\$200	365	\$11,023,000	\$11,023,000	
Cecilia Branch Library	Cecilia	\$3,567,884	5	0%	\$0	\$5,381,826	0.0%	\$0	\$1,000	30	\$200	365	\$11,023,000	\$11,023,000	
Cade Community Center	St. Martinville	\$3,567,884	5	0%	\$0	\$5,381,826	0.0%	\$0	\$1,000	30	\$200	365	\$11,023,000	\$11,023,000	
St. Martinville Branch Library	St. Martinville	\$3,567,884	5	0%	\$0	\$5,381,826	0.0%	\$0	\$1,000	30	\$200	365	\$11,023,000	\$11,023,000	
Animal Control Center	St. Martinville	\$3,567,884	4	29%	\$1,040,466	\$5,381,826	43.5%	\$2,341,094	\$1,000	30	\$200	365	\$11,023,000	\$14,404,581	
FAS Services	Belle River	\$126,000	7	43%	\$54,180	\$189,000	64.5%	\$121,905	\$1,000	30	\$200	365	\$11,023,000	\$11,199,085	
Royal Fiberglass Pools	Breaux Bridge	\$0	-1	0%	\$0	\$189,000	0.0%	\$0	\$37,500	12	\$10,000	46	\$21,160,000	\$21,160,000	
Halliburton Energy Services	Broussard	\$4,200,000	-3	0%	\$0	\$6,300,000	0.0%	\$0	\$250	0	\$250	0	\$0	\$0	
Cargill Inc. Salt Division	St. Martinville	\$14,300	4	29%	\$4,147	\$21,450	43.5%	\$9,331	\$10,000	30	\$3,000	365	\$110,606,478	\$110,606,478	
Louisiana Sugarcane	St. Martinville	\$114,534	3	27%	\$30,924	\$171,801	40.5%	\$69,579	\$10,000	30	\$10,000	365	\$113,150,000	\$113,250,504	
Martin Mills	St. Martinville	\$4,200,000	1	14%	\$588,000	\$688,000	21.0%	\$1,323,000	\$100,000	23	\$20,000	134	\$310,880,000	\$312,791,000	
Replacement Value Total			\$331,342,838		Total Estimated Loss	\$66,899,981	Total Contents Loss	\$149,406,768	Total Structure Use and Function Loss	\$11,688,320,400			\$11,688,320,400	\$11,914,827,119	

*2015 St. Martin Parish  
Hazard Mitigation Plan Update  
Project List*

The St. Martin Parish PROJECT LIST resulting from the 2015 HMPU is presented on the following two pages.

**St. Martin Parish Hazard Mitigation Plan Update  
All Parish Projects**

Source	No.	Project	Eligible	Status
<b>St. Martin Parish Hazard Mitigation Plan (2005)</b>				
A	1	Implement Structural Techniques and Drainage Projects	Yes	Ongoing
	2	Improve on Parish Infrastructure	Yes	Ongoing
	3	Structural Improvements to All Public Buildings (Wind Hardening)	Yes	Detailed Below
	4	Generator Purchases (Courthouse, Annex, School Board, Sheriff's Office, E911 Building, and All Municipal Administrative Buildings)	5%	
<b>Capital Outlay 2006/2007</b>				
B	1	T-Bayou Drainage Improvements Dredging (Coteau Homes)	No	
	2	Courthouse Expansion and Renovations Planning and Construction	No	
	3	Coteau Holmes Civic Center Planning and Construction	No	
	4	Belle Terre Subdivision Drainage Improvements	No	
	5	Water Tower I-10 to Rees Street Planning and Construction (Breux Bridge)	No	
	6	Improvements to Parc Hardy Planning and Construction (Breux Bridge)	No	
	7	Municipal Complex Planning and Construction (Parks)	No	
	8	Wastewater System Upgrade Planning and (St. Martinville)	No	
	9	Upgrade Wastewater Treatment Plant (St. Martinville)	No	
<b>Katrina/Gustav HMGP Projects</b>				
C	1	Wind Hardening -- St. Martin Parish Juvenile Detention Center	Yes	Funded
	2	Wind Hardening -- Breux Bridge Water Plant Warehouse	Yes	Funded
	3	Wind Hardening -- St. Martinville Police Department	Yes	Funded
	4	Wind Hardening -- St. Martin Hospital	Yes	Funded
	5	Wind Hardening -- Breux Bridge Water Plant	Yes	Funded
	6	Wind Hardening -- Breux Bridge City Hall	Yes	Funded
	7	Wind Hardening -- St Martin Water and Sewer District	Yes	Funded
	8	Wind Hardening -- St Martin Parish Sheriff Substation	Yes	Funded
	9	Wind Hardening -- St Martin Parish Law Enforcement Center	Yes	Funded
	10	Wind Hardening -- Henderson City Hall	Yes	Funded
	11	St. Martin Parish -- Stephenville Mitigation Project	Yes	Funded
	12	St. Martin Parish -- OEP Saferoom	Yes	Funded
	13	St. Martin Parish Drainage Improvement -- Upgrade Culvert at Breux Bridge Manor	Yes	Funded
	14	St. Martin Parish -- Stephenville Substation Safe Room (Phase I)	Yes	Funded
<b>Other Projects Identified by the St. Martin Parish</b>				
D	1	Address all other Repetitive Loss Structures	Yes	Ongoing
	2	Berm Improvements -- City of St. Martinville Sewer Treatment Plant Pond	Yes	
	3	Drainage Improvement -- Concrete Lining of all Upper St. Martin Parish Drainage Canals	Yes	
	4	Drainage Improvement -- Culvert Upgrade at Gran Anse North -- Drainage (2609 to 2742 Grand Point Hwy, Breux Bridge, LA)	Yes	
	5	Drainage Improvement -- Culvert Upgrade at Grand Point Avenue at I-10 in Breux Bridge (going north) (2207 Grand Point Avenue, Breux Bridge, LA)	Yes	
	6	Drainage Improvement -- Floodgate at Bayou Estates, 3300' Linear Foot Levee along North and East Sides, and 20,000 GPM Pump Station (\$2 Million Dollar Cost, Levee and Floodgate at 6')	No	
	7	Drainage Improvement -- Line Drainage Canal along Hwy 352 in Henderson and Slope it to true cana	Yes	
	8	Drainage Improvement -- Upgrade Culvert at 10 Exit at Henderson (2939 to 2987 Grand Point Hwy, Breux Bridge, LA)	Yes	
	9	Drainage Improvement -- Upgrade Culvert at Highway 347 near Cecilia High School (2937 Cecilia Sr High Hwy, Breux Bridge, LA)	Yes	
	10	Drainage Projects -- Parks	Yes	
	11	Electrical Rehab -- Breux Bridge Water plant	Yes	
	12	Electrical Rehab -- St. Martinville Industrial Park Site	Yes	
	13	Elevate or Floodproof -- Coteau Rodaire Highway/Hebron School (4 Corners Area -- Huron Headstart School -- 1159 Huron Road, Arnaudville, LA)	Yes	
	14	Elevate or Floodproof-- Pat's Restaurant (1008 Henderson Levee Rd, Henderson LA)	Yes	
	15	Elevation and Safe Room -- Stephenville Pump Station	Yes	Safe Room In process
	16	Elevation of Lift Stations in Lower St. Martin (20) -- St. Martin Parish Water District (Incl. Aucoin Street and Landry Road)	Yes	
	17	Elevation of Man Holes in Lower St. Martin (50) -- St. Martin Parish Water District	Yes	
	18	Elevation of St. Martin Parish Water District Office in Stephenville	Yes	
	19	Generator -- Arnaudville VFD	5%	
	20	Generator -- Belle River VFD	5%	
	21	Generator -- Breux Bridge VFD (Sub)	5%	
	22	Generator -- Butte LaRose VFD	5%	
	23	Generator -- Cade Water Plant	5%	
	24	Generator -- Cade VFD 1	5%	
	25	Generator -- Cade VFD 2	5%	
	26	Generator -- Catahoula VFD	5%	
	27	Generator -- Cecilia VFD	5%	
	28	Generator -- Coteau Homes VFD	5%	
	29	Generator -- Evangeline VFD (Sub)	5%	
	30	Generator -- Henderson VFD (Nina)	5%	
	31	Generator -- Lake Palourde Booster Station	5%	
	32	Generator -- Lower St. Martin Bridge	5%	
	33	Generator -- Main Lift Stations	5%	
	34	Generator -- Parks City Hall	5%	
	35	Generator -- Parks VFD (Grand Bois)	5%	
	36	Generator -- Parks VFD (Main)	5%	
	37	Generator -- Sewer Plant in Henderson	5%	
	38	Generator -- Sewer Plant in St. Martinville	5%	
	39	Generator -- Sewer Plant in Sugarland -- Cecilia	5%	
	40	Generator -- St. Martin Parish Industrial Park	5%	
	41	Generator -- Water Plant in St. Martinville	5%	
	42	Generator Hookup -- St. Martinville Waterworks District #4	5%	
	43	Generators -- 16 Lift Stations in St. Martinville	5%	
	44	Generators -- 2 to run Sewer Treatment	5%	
	45	Parishwide Warning System (Siren)	5%	
	46	State Road Improvements -- Parks	No	

Source	No.	Project	Eligible	Status
<b>Other Projects Identified by the St. Martin Parish, Cont.</b>				
D	47	Wind Hardening -- Henderson Rec Center	Yes	
	48	Wind Hardening -- Maison Duchamp - historic	Yes	
	49	Wind Hardening -- St. Martinville Maintenance Building	Yes	
	50	Wind Hardening -- St. Martinville Public Works Building	Yes	
	51	Wind Hardening -- Opera House	No	
	52	Wind Hardening -- Adam Carlson Recreation Center	Yes	
	53	Wind Hardening -- Magnolia Recreation Center	Yes	
	54	Flood Control -- New Floodgate at Bayou Ramus	No	
	55	Flood Control -- New Floodgate at Bayou Boeuf	No	
	56	Wind Hardening -- Acadian Memorial Museum	No	
	57	Wind Hardening -- African American Museum	No	
	58	Drainage Improvement -- Upgrade Culverts at 3039 in Parks	Yes	
	59	Define Evacuation Routes	No	
	60	Wind Hardening -- Breaux Bridge Water Plant	Yes	Complete
	61	Wind Hardening -- Breaux Bridge Water Plant Warehouse	Yes	In process
	62	Wind Hardening -- Breaux Bridge City Hall/ Police Station	Yes	In process
	63	Wind Hardening -- Henderson City Hall	Yes	In process
	64	Wind Hardening -- St. Martin Parish Water & Sewer District (Lower St. Martin)	Yes	In process
	65	Wind Hardening -- St. Martin Parish Law Enforcement Center	Yes	In process
	66	Wind Hardening -- St. Martinville Police Station	Yes	In process
	67	Safe Room -- OEP Safe room	Yes	In process
	68	Drainage Improvement -- Breaux Bridge Manor	Yes	In process
	69	Drainage Improvements -- Stephenville Pump Station Elevation and Upgrade, Upgrade Culverts, Flood Control Structure Improvement, Safe Room	Yes	In process
	70	Drainage Improvement -- Install Outflow Flap Gates -- Bayou Estates	Yes	
	71	Elevation of Man Holes (50) and Lift Stations (20) in Lower St. Martin Parish (Study Phase I)	Yes	
	72	Wind Hardening -- St. Martin Parish Water and Sewer District No. 1	Yes	
	73	Wind Hardening -- Belle River VFD	Yes	
	74	Wind Hardening -- Breaux Bridge VFD (Main)	Yes	
	75	Wind Hardening -- Breaux Bridge VFD (Sub)	Yes	
	76	Wind Hardening -- Butte LaRose VFD	Yes	
	77	Wind Hardening -- Cecilia VFD	Yes	
	78	Wind Hardening -- Henderson VFD (Main)	Yes	
	79	Wind Hardening -- Henderson VFD (Nina)	Yes	
	80	Wind Hardening -- Catahoula VFD	Yes	
	81	Wind Hardening -- Coteau Homes VFD	Yes	
	82	Wind Hardening -- Evangeline VFD (Main)	Yes	
	83	Wind Hardening -- Evangeline VFD (Sub)	Yes	
	84	Wind Hardening -- Parks VFD (Main)	Yes	
	85	Wind Hardening -- Parks VFD (Grand Bois)	Yes	
	86	Wind Hardening -- Cade VFD 1	Yes	
	87	Wind Hardening -- Cade VFD 2	Yes	
	88	Wind Hardening -- Stephenville VFD	Yes	
	89	Wind Hardening -- St. Agnes Nursing Home	Yes	
	90	Wind Hardening -- St. Martinville Health Unit	Yes	
	91	Wind Hardening -- Fire District Training Center	Yes	
	92	Wind Hardening -- Henderson City Hall	Yes	
	93	Wind Hardening -- St. Martinville City Hall	Yes	
	94	Wind Hardening -- Breaux Bridge City Hall	Yes	
95	Wind Hardening -- Broussard City Hall	Yes		
96	Wind Hardening -- Arnaudville City Hall	Yes		
97	Wind Hardening -- Parks Water Plant	Yes		
98	Wind Hardening -- St. Martin Parish Courthouse Annex	Yes		
<b>New Projects, Hazard Mitigation Plan 2015 Update</b>				
E	1	Wind Hardening -- Inpatient Area of 210 Champagne Road	Yes	
	2	Wind Hardening -- Outpatient Area of 210 Champagne Road	Yes	
	3	Drainage Improvements -- St. Martin Parish Hospital	Yes	

Not Eligible for HMGP funding

## Attachment c3-2 St. Martin Parish Element F – State Requirement

### ELEMENT F: STATE REQUIREMENT

#### List of Parish/City Owned Buildings

Jurisdiction: St. Martin Parish

Critical Facility (if Yes, mark with X)	Name of Facility	Purpose	Address	City	Latitude	Longitude	Assessed Value	Year Built
X	Amaudville VFD		111 Rue De Jassart	Amaudville 70511	30°43'50.38"N	91°57'46"W		
X	Bele River Volunteer FD		1207-A Highway 70	Pierre Part 70339	29°53'44.50"N	91°12'28.11"W		
X	Breaux Bridge Volunteer FD		225 North Main Street	Breaux Bridge 70517	30°18'28.12"N	91°54'11.14"W		
X	Breaux Bridge FD (Old)		2247-A Rives Street Extension	Breaux Bridge 70517	30°17'46.46"N	91°55'1.08"W		
X	Butte LaProue Volunteer FD		1721 Herman Dupuis Road	Breaux Bridge 70517	30°16'52.22"N	91°43'37.28"W		
X	Cade Volunteer FD		1630 Smade Highway	Broussard 70518	30° 6'3.54"N	91°53'23.80"W		
X	Cade VFD		1544 Smade Highway	Broussard 70518	30° 5'14.89"N	91°54'28.51"W		
X	Catahoula Volunteer FD		4340 Catahoula Highway	St. Martinville 70582	30°12'36.57"N	91°43'3.30"W		
X	Cecilia Volunteer FD		1040 School Road	Breaux Bridge 70517	30°20'12.11"N	91°50'55.55"W		
X	Coteau Homes Volunteer FD		1850 Coteau Homes Highway	St. Martinville 70582	30° 8'49.36"N	91°45'24.06"W		
X	Evangeline Volunteer FD		230 Washington Street	St. Martinville 70582	30° 7'41.53"N	91°49'53.84"W		
X	Evangeline Volunteer FD		204 Cemetery Street	St. Martinville 70582	30° 7'28.25"N	91°49'28.39"W		
X	Henderson Volunteer FD		1014 Bernard Street	Breaux Bridge 70517	30°18'46.11"N	91°47' 20.65"W		
X	Henderson Volunteer FD		1008 Nina Highway	Breaux Bridge 70517	30°18'48.45"N	91°49'23.03"W		
X	Parks Volunteer FD		1011 Martin Street	Parks 70582	30°12'49.59"N	91°49'52.42"W		
X	Parks Volunteer FD		1895 Nurseries Highway	St. Martinville 70582	30°13'28.89"N	91°48'55.04"W		
X	Stephenville Volunteer FD		1227 Stephenville Road	Morgan City 70360	29°46'39.49"N	91°00' 47"W		
X	St. Martinville Fire District Training Center		1035A Ruth Bridge Highway	Breaux Bridge 70517	30°18'14.94"N	91°51'46.41"W		
X	Breaux Bridge Christian Academy		1545 Anse Broussard Hwy	Breaux Bridge 70517	30°18'34.24"N	91°52'42.37"W		
X	Breaux Bridge Primary		1020 East Bridge Street	Breaux Bridge 70517	30°18'44.32"N	91°53'35.43"W		
X	Breaux Bridge Elementary		702 West Bridge Street	Breaux Bridge 70517	30°18'5.01"N	91°54'18.32"W		
X	Breaux Bridge Junior High		100 Martin Street	Breaux Bridge 70517	30°18'29.95"N	91°54'5.05"W		
X	Breaux Bridge Senior High		1015 Breaux Bridge High School Rd	Breaux Bridge 70517	30°15'18.54"N	91°54'30.89"W		
X	Breaux Bridge Instructional Center		1111 Conville Street	Breaux Bridge 70517	30°18'12.35"N	91°54'09.84"W		
X	Catahoula Elementary		1016-A Catahoula School Highway	St. Martinville 70582	30°12'58.10"N	91°42'35.59"W		
X	Cecilia Primary		1021 Alcide Bonin Road	Breaux Bridge 70517	30°20'26.87"N	91°50'49.29"W		
X	Cecilia Junior High School		1038 School Road St.	Breaux Bridge 70517	30°20'11.37"N	91°51'1.38"W		
X	Cecilia High School		2397 Cecelia Sr. High School Highway	Breaux Bridge 70517	30°20'17.22"N	91°50'39.50"W		
X	Parks Primary		1034 Main Hwy	Parks 70582	30°12'46.28"N	91°49'56.34"W		
X	Parks Middle		1010-A St. Louis Drive	Parks 70582	30°12'46.28"N	91°49'29.00"W		
X	Parish Learning Center		1004 S. Martin Luther King Drive	St. Martinville 70582	30° 6'58.49"N	91°51'22.42"W		
X	School Board Office		305 Washington St.	St. Martinville 70582	30° 7'17.00"N	91°49'52.63"W		
X	St. Martinville Primary		716 N. Main Street	St. Martinville 70582	30° 7'47.42"N	91°49'38.14"W		
X	St. Martinville Junior		1004 Rev. M.L. King Drive	St. Martinville 70582	30° 6'58.59"N	91°53'23.80"W		
X	St. Martinville Senior		7190 Main Highway	St. Martinville 70582	30° 5'33.20"N	91°50'47.01"W		
X	Stephenville Elementary		782 N. Main Street	St. Martinville 70582	30° 7'31.33"N	91°49'36.77"W		
X	Trinity Catholic Elementary		3243 Highway 70	Morgan City 70360	29°45'15.45"N	91°40'30.59"W		
X	JCEP		2439 Main Hwy	Breaux Bridge 70517	30°18'33.37"N	91°49'13.88"W		
X	St. Bernard Elementary		1120 Martin Luther King Drive	St. Martinville 70582	30° 6'53.16"N	91°50'14.73"W		
X	St. Martin Parish Juvenile Center		251 E. Bridge St	St. Martinville 70582	30°16'28.87"N	91°51'55.06"W		
X	Special Ed Building		1015-A Terrace Hwy	St. Martinville 70582	30° 7'42.50"N	91°55'21.78"W		
X	Louisiana Technical College-Evangeline Campus		N/A	N/A				
X	St. Martinville Elementary		602 S. Martin Luther King Drive	St. Martinville 70582	30° 7'11.97"N	91°50'5.88"W		
X	Episcopal School of Acadiana (ESA) Private		1004 Martin Luther King Drive	St. Martinville 70582	30° 6'56.66"N	91°50'14.52"W		
X	Breaux Bridge Police Dept		1557 Smade Road	Broussard 70518	30° 5'31.91"N	91°54'47.35"W		
X	Henderson Police Department		115 Bernard Street	Breaux Bridge 70517	30°18'24.26"N	91°54'11.24"W		
X	Law Enforcement Center		1027 Park Road	Henderson 70517	30°18'30.87"N	91°47'37.39"W		
X	Parks Police Dept		400 St. Martin St.	St. Martinville 70582	30° 7'39.81"N	91°49'46.22"W		
X	St. Martinville Police Dept		1010 Main St	St. Martinville 70582	30°12'49.82"N	91°49'52.40"W		
X	Stephenville Sheriff Sub Station		417 West Lakes Ave	Breaux Bridge 70517	30°16'43.76"N	91°54'51.71"W		
X	St. Martinville Sheriff Sub Station		105 Nave Market St	St. Martinville 70582	30° 7'23.41"N	91°49'37.37"W		
X	St. Martinville Sheriff Sub Station		3003 Highway 70	Morgan City 70360	29°44'44.03"N	91°49'31.90"W		
X	Breaux Bridge Health Unit		4470 Main Highway	St. Martinville 70582	30°18'15.26"N	91°53'23.22"W		
X	Breaux Bridge Health Unit		601 East Bridge Street	Breaux Bridge 70517	30°18'38.66"N	91°53'42.63"W		
X	Breaux Bridge Health Unit		2347 Cecelia Sr. High School Hwy	Breaux Bridge 70517	30°20'9.76"N	91°50'50.95"W		
X	Madison de Williams		825 Lakeside Rd	Breaux Bridge 70517	30°17'57.26"N	91°52'48.20"W		
X	St. Agnes Nursing Home		801 Lakeside Rd	Breaux Bridge 70517	30°17'31.25"N	91°52'44.78"W		
X	St. Martin Hospital		210 Champagne Blvd.	Breaux Bridge 70517	30°16'57.90"N	91°53'23.50"W		
X	St. Martinville Health Unit		303 W. Port Street	St. Martinville 70582	30° 7'35.38"N	91°49'44.13"W		
X	St. Martinville Rehab and Nursing Center		203 Cabre Drive	St. Martinville 70582	30° 6'58.96"N	91°53'12.82"W		
X	Breaux Bridge Elementary		702 West Bridge Street	Breaux Bridge 70517	30°16'5.93"N	91°54'11.30"W		
X	Breaux Bridge Junior High		100 Martin Street	Breaux Bridge 70517	30°18'29.95"N	91°54'5.05"W		
X	Breaux Bridge Senior High		1015 Breaux Bridge High School Rd.	Breaux Bridge 70517	30°15'18.54"N	91°54'30.89"W		
X	Cecilia Senior High		2397 Cecelia Sr. High School Hwy	Cecilia 70517	30°20'17.22"N	91°50'39.50"W		
X	Parks Elementary/Middle		1010-A St. Louis Drive	Parks 70582	30°12'44.24"N	91°49'29.00"W		
X	Parks Primary		1034 Main	Parks 70582	30°12'46.28"N	91°49'56.34"W		
X	Catahoula Elementary		1016-A Catahoula School Hwy.	St. Martinville 70582	30°12'58.10"N	91°42'35.59"W		
X	St. Martinville Elementary		1004 Rev. M.L. King Drive	St. Martinville 70582	30° 7'47.42"N	91°49'38.14"W		
X	St. Martinville Alternative School		1120 Martin Luther King Drive	St. Martinville 70582	30° 6'53.16"N	91°50'14.73"W		
X	St. Martinville Senior High		782 N. Main Street	St. Martinville 70582	30° 7'31.33"N	91°49'36.77"W		
X	Breaux Bridge City Hall		101 Bernard Street	Breaux Bridge 70517	30°16'21.74"N	91°54'07.75"W		
X	Park and Recreation		785 Doucet Drive	Breaux Bridge 70517	30°17'11.61"N	91°52'48.17"W		
X	St. Martin Parish Council on Aging		1011 Rivier Road 788	Breaux Bridge 70517	30°16'35.17"N	91°54'55.78"W		
X	Breaux Bridge Branch Library		908 Rives Street	Breaux Bridge 70517	30°16'52.99"N	91°54'7.60"W		
X	Bele River Recreation Center							
X	Henderson City Hall		1007 Amy Street	Henderson 70517	30°19'43.35"N	91°47'36.93"W		
X	Cecilia Branch Library		2460 Cecelia Sr. High School Highway	Breaux Bridge 70517	30°20'18.41"N	91°50'28.45"W		
X	Parks City Hall		1010 Martin Street	Parks 70582	30°12'49.59"N	91°49'52.42"W		
X	Adam Cantion Rec Center		800 Isadore Drive	St. Martinville 70582	30° 7'16.56"N	91°50'48.44"W		
X	Magnolia Rec Center		100 Northside Drive	St. Martinville 70582	30° 6'27.61"N	91°49'26.03"W		
X	Cade Community Center		1688 Smade Hwy	St. Martinville 70582	30° 6'59.90"N	91°53'18.09"W		
X	Parish Courthouse		415 S. Main Street	St. Martinville 70582	30° 7'11.92"N	91°49'49.22"W		
X	Parish Governmental Building		303 W. Port Street	St. Martinville 70582	30° 7'35.37"N	91°50'44.52"W		
X	Magnolia City Hall		120 S. New Market Street	St. Martinville 70582	30° 7'18.89"N	91°49'38.80"W		
X	St. Martinville Branch Library		201 Porter Street	St. Martinville 70582	30° 7'46.16"N	91°49'42.30"W		
X	Animal Control Center		1004 Industrial Park	St. Martinville 70582	30° 7'39.38"N	91°49'50.15"W		
X	United Water Systems		1004 Main Oaks Drive	Amaudville 70512	30°23.78"N	91°54'27.87"W		
X	Bele River		1207 Highway 70	Bele River 70339	29°53'47.77"N	91°12'32.22"W		
X	Breaux Bridge Water System		251 Washington Street	Breaux Bridge 70517	30°16'26.21"N	91°53'48.78"W		
X	Breaux Bridge Sewer Treatment		1100 Sagnac	Breaux Bridge 70517	30°15'54.03"N	91°48'48.03"W		
X	Cecilia Water Corp.		1021 and 1027 Madeine Blvd.	Breaux Bridge 70517	30°20'20.21"N	91°50'25.27"W		
X	St. Martin Parish Water District #3		1371 Old Spanish Trail Hwy	Broussard 70518	30° 6'1.70"N	91°55'1.08"W		
X	Henderson Nina Water System		1060 Gibson Street	Henderson 70517	30°19'39.13"N	91°47'59.42"W		
X	St. Martin Parish Water District #1		1073 Tower Park Road	Stephenville 70390	29°46'44.21"N	91° 8'58.18"W		
X	Parks Water System (W&I)		True Friends Rd @ Rousseau-Poche Rd	Parks 70582	30°12'36.58"N	91°51'25.97"W		
X	Parks Water System (Treatment Plant)		Martin Street	Parks 70582	30°12'49.59"N	91°49'52.42"W		
X	St. Martin Water District #4		4360 Catahoula Hwy.	St. Martinville 70582	30°12'37.21"N	91°48'56.38"W		
X	St. Martin Parish Industrial Park		1114 Levert Ave	St. Martinville 70582	30° 9'18.03"N	91°48'53.84"W		
X	St. Martinville Sewage Treatment		1807 Terrace Highway	St. Martinville 70582	30° 6'26.06"N	91°52'55.78"W		
X	St. Martinville Water System		1220 Adrien Colborne Road	St. Martinville 70582	30° 6'18.06"N	91°53'15.02"W		
X	Industrial Park Sewage		1091 Levert Ave	St. Martinville 70582	30° 9'21.01"N	91°48'58.57"W		
X	Sugarland Sewer System		1078 East Berard	Amaudville 70512	30°20'53.86"N	91°50'36.83"W		
X	St. Martin Parish Industrial Park Sewage		N/A	Cade	30° 5'43.97"N	91°53'49.26"W		
X	St.EMCO Cecilia Substation		1255 Anse Broussard Rd	Breaux Bridge 70517	30°18'00.77"N	91°53'49.86"W		
X	St.EMCO Cypress Island Substation		1186 Leed Champagne Rd	St. Martinville 70582	30°10'38.29"N	91°50'48.59"W		
X	St.EMCO St. John Melating Pond		1151 Boon Lasseigne Rd	St. Martinville 70582	30°11'42.31"N	91°48'24.06"W		
X	St.EMCO Section St. Rd		1472 Section St. Rd	St. Martinville 70582	30°13'35.17"N	91°54'44.48"W		
X	St.EMCO Demarre Road Melating Pond		1120 Demarre Rd	Breaux Bridge 70517	30°15'55.51"N	91°51'10.51"W		
X	CLECO Substation		233 S. Railroad Street	Breaux Bridge 70517	30°16'10.13"N	91°54'1.67"W		
X	Entergy Anse La Butte		1169 Gal Wine Highway	Breaux Bridge 70517	30°16'57.17"N	91°50'58.77"W		
X	Entergy Cecilia		1154 Mevin Doucqs Rd	Breaux Bridge 70517	30°16'53.64"N	91°50'24.86"W		
X	Entergy Diste Breaux		1627 Gaemill Highway	Breaux Bridge 70517	30°18'57.47"N	91°57'0.71"W		
X	Entergy Gadeko		3878 Main Highway	Breaux Bridge 70517	30°17'24.04"N	91°53'54.15"W		
X	Entergy Parks		1176 Nurseries Highway	St. Martinville 70582	30°14'21.71"N	91°48'39.80"W		
X	Entergy St. John		1151 Boon Lasseigne Rd	St. Martinville 70582	30°11'42.31"N	91°48'24.06"W		
X	Entergy St. Martinville		700 East Bridge Street	St. Martinville 70582	30° 7'19.55"N	91°49'21.55"W		
X	Entergy Cade		1657 Smade Highway	St. Martinville 70582	30° 5'27.40"N	91°54'19.19"W		

## ELEMENT F: STATE REQUIREMENT

### Vulnerable Populations Worksheet

Jurisdiction: St. Martin Parish

Name	Street	City	Zip Code	GPS Coordinate (if available)
<b>All Hospitals (Private or Public)</b>				
<b>All Nursing Homes (Private or Public)</b>				
<b>Mobile Home Parks</b>				

# Capability Assessment

## Jurisdiction: St. Martin Parish Government

Local mitigation capabilities are existing authorities, polices and resources that reduce hazard impacts or that could be used to implement hazard mitigation activities. Please complete the tables and questions in the worksheet as completely as possible.

### Planning and Regulatory

Please indicate which of the following plans and regulatory capabilities your jurisdiction has in place.

Plans	Yes / No	How often is the plan updated?
Comprehensive / Master Plan	No	
Capital Improvements Plan	No	
Economic Development Plan	Possible	
Local Emergency Operations Plan	Yes	Every 5 Years
Continuity of Operations Plan	No	
Transportation Plan	No	
Stormwater Management Plan	In progress	Every 5 Years
Community Wildfire Protection Plan	No	
Other plans (redevelopment, recovery, coastal zone management)	No	
Building Code, Permitting and Inspections	Yes / No	Are the codes adequately enforced?
Building Code	Yes	
Building Code Effectiveness Grading Schedule (BCEGS) Score		
Fire Department ISO rating	Yes	Attached
Site plan review requirements		
Land Use Planning and Ordinances	Yes / No	Is the ordinance adequately administered and enforced?
Zoning Ordinance	Yes	Yes
Subdivision Ordinance	Yes	Yes
Floodplain Ordinance	Yes	Yes
Natural Hazard Specific Ordinance (stormwater, steep slope, wildfire)	No	N/A
Flood Insurance Rate Maps	Yes	Yes
Acquisition of land for open space and public recreation uses	Yes	Yes
Other	Yes	Yes

### Administration and Technical

Identify whether your community has the following administrative and technical capabilities. For smaller jurisdictions without local staff resources, if there are public resources at the next higher level government that can provide technical assistance, indicate so in your comments.

Administration	Yes / No	Comments
Planning Commission	Yes	St. Martin Parish Planning and Zoning Commission, 1st Thursday of every Monday
Mitigation Planning Committee	Yes	
Maintenance programs to reduce risk (tree trimming, clearing drainage systems)	Yes	
Staff	Yes / No	Percentage of time spent on hazard mitigation
Chief Building Official	Hire Out	
Floodplain Administrator	Yes	5%
Emergency Manager	Yes	5%
Community Planner	Yes	5%
Civil Engineer	No	Recently Passed Away
GIS Coordinator	Yes	Mike Hefner
Grant Writer	Contracted Out	Richard Mienville - 0%
Other		
Technical	Yes / No	Describe capability
Warning Systems / Service (Reverse 911, outdoor warning signals)	Yes	Pamphlets in Libraries, given out at functions
Hazard Data & Information	Yes	Pamphlets in Libraries, given out at functions
Grant Writing	Contracted Out	Richard Mienville
Hazus Analysis	Contracted Out	Nicole Cutforth - CB&I
Other		

### Financial

Identify whether your jurisdiction has access to or is eligible to use the following funding resources for hazard mitigation.

Funding Resource	Yes / No	Could the resource be used to fund future mitigation actions?
Capital Improvements project funding	Yes	Possible, but Prefer HMGP
Authority to levy taxes for specific purposes	Yes	Yes
Fees for water, sewer, gas, or electric services	Yes	Doubtful
Impact fees for new development	No	No
Stormwater Utility Fee	No	No

Community Development Block Grant (CDBG)	Yes	Yes
Other Funding Programs	Yes	Yes
<b>Education and Outreach</b>		

Identify education and outreach programs and methods, already in place that could be used to implement mitigation activities and communicate hazard-related information.

Program / Organization	Yes / No	Comments
Local citizen groups or non-profit organizations focused on environmental protection, emergency preparedness, access and functional needs populations, etc.	Yes	Groups volunteer

# National Flood Insurance Program (NFIP)

Jurisdiction: St. Martin Parish

Insurance Summary	Comments
How many NFIP policies are in the community? What is the total premium and coverage?	
How many claims have been paid in the community? What is the total amount of paid claims? How many of the claims were for substantial damage?	
How many structures are exposed to flood risk with in the community?	
Describe any areas of flood risk with limited NFIP policy coverage.	
<b>Staff Resources</b>	
Is the Community FPA or NFIP Coordinator certified?	
Is flood plain management an auxiliary function?	
Provide an explanation of NFIP administration services (e.g., permit review, GIS, education or outreach, inspections, engineering capability)	
What are the barriers to running an effective NFIP program in the community, if any?	
<b>Compliance History</b>	
Is the community in good standing with the NFIP?	
Are there any outstanding compliance issues(i.e., current violations)?	
When was the most recent Community Assistance Visit (CAV) or Community Assistance Contact(CAC)?	
Is a CAV or CAC scheduled or needed? If so when?	
<b>Regulation</b>	
When did the community enter the NFIP?	
Are the FIRMs digital or paper?	
Do floodplain development regulations meet or exceed FEMA or State minimum requirements? If so, in what ways?	
<b>Community Rating System (CRS)</b>	
Does the community participate in CRS?	
What is the community's CRS Class Ranking?	
Does the plan include CRS planning requirements?	

**ST. MARTIN PARISH FIRE DISTRICT  
PIAL CLASS RATING**

<b><i>DEPARTMENT</i></b>	<b><i>CURRENT COMMERCIAL RATING</i></b>	<b><i>CURRENT RESIDENTIAL RATING</i></b>
ARNAUDVILLE (INSIDE CORP. LIMITS)	04	04 (W.H.)
SOUTH ARNAUDVILLE (OUTSIDE CORP. LIMITS)	05	05 (W.H.)
BELLE RIVER	05	05
BREAUX BRIDGE (INSIDE CORP. LIMITS)	03	03 (W.H.)
BREAUX BRIDGE (OUTSIDE CORP. LIMITS)	05	05 (W.H.)
BUTTE LAROSE	06	06 (W.H.)
CADE	06	06 (W.H.)
CATAHOULA	05	05 (W.H.)
CECILIA	06	06 (W.H.)
COTEAU HOLMES	05	05 (W.H.)
HENDERSON	05	05 (W.H.)
PARKS	06	06 (W.H.)
ST. MARTINVILLE (INSIDE CORP. LIMITS)	04	04
ST. MARTINVILLE (OUTSIDE CORP. LIMITS)	05	05 (W.H.)
STEPHENSVILLE	05	05

W.H.-Water Hauling

**Attachment c3-2.1**  
**St. Martinville Element F – State Requirement**

**List of Parish/City Owned Buildings**

Jurisdiction: St. Martinville

Critical Facility (if Yes, mark with X)	Name of Facility	Purpose	Address	City	Latitude	Longitude	Assessed Value	Year Built
	City Hall	Administration	120 New Market	St. Martinville				1980
	Acadian MCM	Museum	121 New Market	St. Martinville				1900
	Heritage Center	Museum	125 New Market	St. Martinville				1900
	Police Station	Police	105 New Market	St. Martinville				1970
	Maison Tourism	Tourism	213 Evangeline	St. Martinville				1890
	Maison Duchamo	Museum	2015 Main	St. Martinville				1867
	Opera House	Retail	2005 Main	St. Martinville				1830
	City Barn	Shop	600 Bridge Street	St. Martinville				1970
	Rec. Center	Events	100 North Side	St. Martinville				1980
	Alexander Center	Events	400 Isadore	St. Martinville				1999
	SMAC	Festival	200 Madison	St. Martinville				1970

## ELEMENT F: STATE REQUIREMENT

### Vulnerable Populations Worksheet

Jurisdiction: St. Martinville

Name	Street	City	Zip Code	GPS Coordinate (if available)
<b>All Hospitals (Private or Public)</b>				
<b>All Nursing Homes (Private or Public)</b>				
St. Martinville Nursing Home			70582	
<b>Mobile Home Parks</b>				
	Willis Drive		70582	
	Isadore Nelson		70582	
	Perking Drive			

# Capability Assessment

## Jurisdiction: St. Martinville

Local mitigation capabilities are existing authorities, polices and resources that reduce hazard impacts or that could be used to implement hazard mitigation activities. Please complete the tables and questions in the worksheet as completely as possible.

### Planning and Regulatory

Please indicate which of the following plans and regulatory capabilities your jurisdiction has in place.

Plans	Yes / No	How often is the plan updated?
Comprehensive / Master Plan	No	
Capital Improvements Plan	No	
Economic Development Plan	No	
Local Emergency Operations Plan		
Continuity of Operations Plan	No	
Transportation Plan	No	
Stormwater Management Plan		
Community Wildfire Protection Plan	No	
Other plans (redevelopment, recovery, coastal zone management)	No	
Building Code, Permitting and Inspections	Yes / No	Are the codes adequately enforced?
Building Code		Version / Year
Building Code Effectiveness Grading Schedule (BCEGS) Score		Score
Fire Department ISO rating		Rating
Site plan review requirements		
Land Use Planning and Ordinances	Yes / No	Is the ordinance adequately administered and enforced?
Zoning Ordinance	Yes	
Subdivision Ordinance	Yes	
Floodplain Ordinance	Yes	
Natural Hazard Specific Ordinance (stormwater, steep slope, wildfire)		
Flood Insurance Rate Maps	Yes	
Acquisition of land for open space and public recreation uses	No	
Other	No	

### Administration and Technical

Identify whether your community has the following administrative and technical capabilities. For smaller jurisdictions without local staff resources, if there are public resources at the next higher level government that can provide technical assistance, indicate so in your comments.

Administration	Yes / No	Comments
Planning Commission	Yes	
Mitigation Planning Committee		
Maintenance programs to reduce risk (tree trimming, clearing drainage systems)		
Staff	Yes / No	Percentage of time spent on hazard mitigation
Chief Building Official	Yes	
Floodplain Administrator	Yes	
Emergency Manager	Yes	
Community Planner	Yes	
Civil Engineer	Yes	
GIS Coordinator	Yes	
Grant Writer	Yes	
Other		
Technical	Yes / No	Describe capability
Warning Systems / Service (Reverse 911, outdoor warning signals)		

Hazard Data & Information		
Grant Writing		
Hazus Analysis		
Other		
<b>Financial</b>		

Identify whether your jurisdiction has access to or is eligible to use the following funding resources for hazard mitigation.

Funding Resource	Yes / No	Could the resource be used to fund future mitigation actions?
Capital Improvements project funding	Yes	
Authority to levy taxes for specific purposes		
Fees for water, sewer, gas, or electric services	Yes	
Impact fees for new development	No	
Stormwater Utility Fee		
Community Development Block Grant (CDBG)	Yes	
Other Funding Programs	Yes	
<b>Education and Outreach</b>		

Identify education and outreach programs and methods, already in place that could be used to implement mitigation activities and communicate hazard-related information.

Program / Organization	Yes / No	Comments
Local citizen groups or non-profit organizations focused on environmental protection, emergency preparedness, access and functional needs populations, etc.		

## National Flood Insurance Program (NFIP)

Insurance Summary	Comments
How many NFIP policies are in the community? What is the total premium and coverage?	117
How many claims have been paid in the community? What is the total amount of paid claims? How many of the claims were for substantial damage?	23 claims \$99,964.00 ALL
How many structures are exposed to flood risk with in the community?	Approximately 50
Describe any areas of flood risk with limited NFIP policy coverage.	None
Staff Resources	
Is the Community FPA or NFIP Coordinator certified?	No
Is flood plain management an auxiliary function?	Yes
Provide an explanation of NFIP administration services (e.g., permit review, GIS, education or outreach, inspections, engineering capability)	Zoning Officer provides all these services
What are the barriers to running an effective NFIP program in the community, if any?	Demands more study
Compliance History	
Is the community in good standing with the NFIP?	Yes
Are there any outstanding compliance issues(i.e., current violations)?	No
When was the most recent Community Assistance Visit (CAV) or Community Assistance Contact(CAC)?	Within the last years
Is a CAV or CAC scheduled or needed? If so when?	
Regulation	
When did the community enter the NFIP?	1980's
Are the FIRMs digital or paper?	digital/paper
Do floodplain development regulations meet or exceed FEMA or State minimum requirements? If so, in what ways?	meet - try to assiste public to exceed
Community Rating System (CRS)	
Does the community participate in CRS?	No, but are eligible due to points
What is the community's CRS Class Ranking?	4
Does the plan include CRS planning requirements?	No plan in place but do assist in advocating

**Attachment c3-2.2**  
**City of Parks Element F – State Requirement**









**Attachment c3-2.3**  
**Henderson Element F – State Requirement**











## ELEMENT F: STATE REQUIREMENT

### Vulnerable Populations Worksheet

Jurisdiction: Broussard

Name	Street	City	Zip Code	GPS Coordinate (if available)
<b>All Hospitals (Private or Public)</b>				
Oceans Behavioral	Albertson Parkway	Broussard	70518	
<b>All Nursing Homes (Private or Public)</b>				
Camelot	Albertson Parkway	Broussard	70518	
<b>Mobile Home Parks</b>				
Billeaud	St. DePorres	Broussard	70518	
Broussard	Ave E	Broussard	70518	

# Capability Assessment

## Jurisdiction: Broussard

Local mitigation capabilities are existing authorities, polices and resources that reduce hazard impacts or that could be used to implement hazard mitigation activities. Please complete the tables and questions in the worksheet as completely as possible.

### Planning and Regulatory

Please indicate which of the following plans and regulatory capabilities your jurisdiction has in place.

Plans	Yes / No	How often is the plan updated?
Comprehensive / Master Plan		
Capital Improvements Plan		
Economic Development Plan		
Local Emergency Operations Plan		
Continuity of Operations Plan		
Transportation Plan		
Stormwater Management Plan	Yes	
Community Wildfire Protection Plan		
Other plans (redevelopment, recovery, coastal zone management)		
Building Code, Permitting and Inspections	Yes / No	Are the codes adequately enforced?
Building Code	Yes	Version / Year IBC 2011
Building Code Effectiveness Grading Schedule (BCEGS) Score		Score
Fire Department ISO rating		Rating
Site plan review requirements	Yes	Commercial
Land Use Planning and Ordinances	Yes / No	Is the ordinance adequately administered and enforced?
Zoning Ordinance	Yes	Not yet Complete
Subdivision Ordinance		Follow Lafayette Parish
Floodplain Ordinance		
Natural Hazard Specific Ordinance (stormwater, steep slope, wildfire)		
Flood Insurance Rate Maps		1996. New ones not yet adopted
Acquisition of land for open space and public recreation uses		
Other		

### Administration and Technical

Identify whether your community has the following administrative and technical capabilities. For smaller jurisdictions without local staff resources, if there are public resources at the next higher level government that can provide technical assistance, indicate so in your comments.

Administration	Yes / No	Comments
Planning Commission	Yes	
Mitigation Planning Committee	No	
Maintenance programs to reduce risk (tree trimming, clearing drainage systems)	Yes	
Staff	Yes / No	Percentage of time spent on hazard mitigation
Chief Building Official	Yes	
Floodplain Administrator	Yes	
Emergency Manager		
Community Planner		
Civil Engineer	Yes	
GIS Coordinator		
Grant Writer	Yes	
Other		
Technical	Yes / No	Describe capability
Warning Systems / Service (Reverse 911, outdoor warning signals)		

Hazard Data & Information		
Grant Writing		
Hazus Analysis		
Other		
<b>Financial</b>		

Identify whether your jurisdiction has access to or is eligible to use the following funding resources for hazard mitigation.

Funding Resource	Yes / No	Could the resource be used to fund future mitigation actions?
Capital Improvements project funding		
Authority to levy taxes for specific purposes		
Fees for water, sewer, gas, or electric services		
Impact fees for new development		
Stormwater Utility Fee		
Community Development Block Grant (CDBG)		
Other Funding Programs		
<b>Education and Outreach</b>		

Identify education and outreach programs and methods, already in place that could be used to implement mitigation activities and communicate hazard-related information.

Program / Organization	Yes / No	Comments
Local citizen groups or non-profit organizations focused on environmental protection, emergency preparedness, access and functional needs populations, etc.		

## National Flood Insurance Program (NFIP)

Insurance Summary	Comments
How many NFIP policies are in the community? What is the total premium and coverage?	N/A
How many claims have been paid in the community? What is the total amount of paid claims? How many of the claims were for substantial damage?	N/A
How many structures are exposed to flood risk within the community?	N/A
Describe any areas of flood risk with limited NFIP policy coverage.	N/A
Staff Resources	
Is the Community FPA or NFIP Coordinator certified?	N/A
Is flood plain management an auxiliary function?	N/A
Provide an explanation of NFIP administration services (e.g., permit review, GIS, education or outreach, inspections, engineering capability)	N/A
What are the barriers to running an effective NFIP program in the community, if any?	N/A
Compliance History	
Is the community in good standing with the NFIP?	N/A
Are there any outstanding compliance issues (i.e., current violations)?	N/A
When was the most recent Community Assistance Visit (CAV) or Community Assistance Contact (CAC)?	N/A
Is a CAV or CAC scheduled or needed? If so when?	N/A
Regulation	
When did the community enter the NFIP?	N/A
Are the FIRMs digital or paper?	N/A
Do floodplain development regulations meet or exceed FEMA or State minimum requirements? If so, in what ways?	N/A
Community Rating System (CRS)	
Does the community participate in CRS?	N/A
What is the community's CRS Class Ranking?	N/A
Does the plan include CRS planning requirements?	N/A



# ELEMENT F: STATE REQUIREMENT

## Vulnerable Populations Worksheet

Jurisdiction: Arnaudville

Name	Street	City	Zip Code	GPS Coordinate (if available)
<b>All Hospitals (Private or Public)</b>				
N/A				
<b>All Nursing Homes (Private or Public)</b>				
1 - Private		Arnaudville	70512	
<b>Mobile Home Parks</b>				
2 - Private		Arnaudville	70512	

# Capability Assessment

## Jurisdiction: Arnaville

Local mitigation capabilities are existing authorities, polices and resources that reduce hazard impacts or that could be used to implement hazard mitigation activities. Please complete the tables and questions in the worksheet as completely as possible.

### Planning and Regulatory

Please indicate which of the following plans and regulatory capabilities your jurisdiction has in place.

Plans	Yes / No	How often is the plan updated?
Comprehensive / Master Plan	No	
Capital Improvements Plan	No	
Economic Development Plan	No	
Local Emergency Operations Plan	No	
Continuity of Operations Plan	No	
Transportation Plan	No	
Stormwater Management Plan	No	
Community Wildfire Protection Plan	No	
Other plans (redevelopment, recovery, coastal zone management)	No	
Building Code, Permitting and Inspections	Yes / No	Are the codes adequately enforced?
Building Code	No	Version / Year
Building Code Effectiveness Grading Schedule (BCEGS) Score	No	Score
Fire Department ISO rating	No	Rating
Site plan review requirements	No	
Land Use Planning and Ordinances	Yes / No	Is the ordinance adequately administered and enforced?
Zoning Ordinance	Yes	Somewhat
Subdivision Ordinance	Yes	
Floodplain Ordinance	No	
Natural Hazard Specific Ordinance (stormwater, steep slope, wildfire)	No	
Flood Insurance Rate Maps	No	
Acquisition of land for open space and public recreation uses	No	
Other		
Administration and Technical		

Identify whether your community has the following administrative and technical capabilities. For smaller jurisdictions without local staff resources, if there are public resources at the next higher level government that can provide technical assistance, indicate so in your comments.

Administration	Yes / No	Comments
Planning Commission	No	
Mitigation Planning Committee	No	
Maintenance programs to reduce risk (tree trimming, clearing drainage systems)	No	
Staff	Yes / No	Percentage of time spent on hazard mitigation
Chief Building Official	No	
Floodplain Administrator	No	
Emergency Manager	No	
Community Planner	No	
Civil Engineer	No	
GIS Coordinator	No	
Grant Writer	No	
Other		
Technical	Yes / No	Describe capability
Warning Systems / Service (Reverse 911, outdoor warning signals)	No	
Hazard Data & Information	No	

Grant Writing	No	
Hazus Analysis	No	
Other		
<b>Financial</b>		

Identify whether your jurisdiction has access to or is eligible to use the following funding resources for hazard mitigation.

Funding Resource	Yes / No	Could the resource be used to fund future mitigation actions?
Capital Improvements project funding	No	
Authority to levy taxes for specific purposes	No	
Fees for water, sewer, gas, or electric services	Yes	
Impact fees for new development	No	
Stormwater Utility Fee	No	
Community Development Block Grant (CDBG)	Yes	
Other Funding Programs	Yes	
<b>Education and Outreach</b>		

Identify education and outreach programs and methods, already in place that could be used to implement mitigation activities and communicate hazard-related information.

Program / Organization	Yes / No	Comments
Local citizen groups or non-profit organizations focused on environmental protection, emergency preparedness, access and functional needs populations, etc.	No	

# National Flood Insurance Program (NFIP)

Jurisdiction: Arnaudville

Insurance Summary	Comments
How many NFIP policies are in the community? What is the total premium and coverage?	N/A
How many claims have been paid in the community? What is the total amount of paid claims? How many of the claims were for substantial damage?	N/A
How many structures are exposed to flood risk with in the community?	N/A
Describe any areas of flood risk with limited NFIP policy coverage.	N/A
Staff Resources	
Is the Community FPA or NFIP Coordinator certified?	N/A
Is flood plain management an auxiliary function?	N/A
Provide an explanation of NFIP administration services (e.g., permit review, GIS, education or outreach, inspections, engineering capability)	N/A
What are the barriers to running an effective NFIP program in the community, if any?	N/A
Compliance History	
Is the community in good standing with the NFIP?	Yes
Are there any outstanding compliance issues(i.e., current violations)?	No
When was the most recent Community Assistance Visit (CAV) or Community Assistance Contact(CAC)?	N/A
Is a CAV or CAC scheduled or needed? If so when?	N/A
Regulation	
When did the community enter the NFIP?	N/A
Are the FIRMs digital or paper?	N/A
Do floodplain development regulations meet or exceed FEMA or State minimum requirements? If so, in what ways?	N/A
Community Rating System (CRS)	
Does the community participate in CRS?	No
What is the community's CRS Class Ranking?	No
Does the plan include CRS planning requirements?	No



## ELEMENT F: STATE REQUIREMENT

### Vulnerable Populations Worksheet

Jurisdiction: City of Breaux Bridge

Name	Street	City	Zip Code	GPS Coordinate (if available)
<b>All Hospitals (Private or Public)</b>				
St. Martin Hospital	210 Champagne Blvd.	Breaux Bridge	70517	
Lordes After Hours	1800 Blk of Rees Street	Breaux Bridge	70517	
<b>All Nursing Homes (Private or Public)</b>				
St. Agnes	660 Latiolais	Breaux Bridge	70517	
Mais on de Williams	800 Blk Latiolais	Breaux Bridge	70517	(Adult Day Care)
<b>Mobile Home Parks</b>				
Ray Broussard TRL Park	1810 Rees Street	Breaux Bridge	70517	
	265 1/2 rees	Breaux Bridge	70517	
Poche TRL Park	1200 Blk of North Bernard	Breaux Bridge	70517	
	711 E. Bridge	Breaux Bridge	70517	

# Capability Assessment

## Jurisdiction: City of Breaux Bridge

Local mitigation capabilities are existing authorities, polices and resources that reduce hazard impacts or that could be used to implement hazard mitigation activities. Please complete the tables and questions in the worksheet as completely as possible.

### Planning and Regulatory

Please indicate which of the following plans and regulatory capabilities your jurisdiction has in place.

Plans	Yes / No	How often is the plan updated?
Comprehensive / Master Plan		In development
Capital Improvements Plan		In development
Economic Development Plan		
Local Emergency Operations Plan	Yes	Utilizes Parish Plan
Continuity of Operations Plan		In development
Transportation Plan	No	
Stormwater Management Plan		
Community Wildfire Protection Plan		
Other plans (redevelopment, recovery, coastal zone management)	No	
Building Code, Permitting and Inspections	Yes / No	Are the codes adequately enforced?
Building Code	Yes	Version / Year
Building Code Effectiveness Grading Schedule (BCEGS) Score		Score
Fire Department ISO rating		Rating
Site plan review requirements		
Land Use Planning and Ordinances	Yes / No	Is the ordinance adequately administered and enforced?
Zoning Ordinance	Yes	Somewhat
Subdivision Ordinance		
Floodplain Ordinance	Yes	
Natural Hazard Specific Ordinance (stormwater, steep slope, wildfire)	Yes	Stormwater
Flood Insurance Rate Maps	Yes	
Acquisition of land for open space and public recreation uses		
Other		

### Administration and Technical

Identify whether your community has the following administrative and technical capabilities. For smaller jurisdictions without local staff resources, if there are public resources at the next higher level government that can provide technical assistance, indicate so in your comments.

Administration	Yes / No	Comments
Planning Commission	Yes	
Mitigation Planning Committee		Parish Level
Maintenance programs to reduce risk (tree trimming, clearing drainage systems)	Yes	
Staff	Yes / No	Percentage of time spent on hazard mitigation
Chief Building Official	Yes	
Floodplain Administrator	Yes	
Emergency Manager	Yes	
Community Planner		
Civil Engineer	Yes	
GIS Coordinator		
Grant Writer	Yes	
Other		
Technical	Yes / No	Describe capability
Warning Systems / Service (Reverse 911, outdoor warning signals)	No	
Hazard Data & Information		

Grant Writing	Yes	
Hazus Analysis	No	
Other		
<b>Financial</b>		

Identify whether your jurisdiction has access to or is eligible to use the following funding resources for hazard mitigation.

Funding Resource	Yes / No	Could the resource be used to fund future mitigation actions?
Capital Improvements project funding	Yes	No
Authority to levy taxes for specific purposes	Yes	
Fees for water, sewer, gas, or electric services	No	
Impact fees for new development	No	
Stormwater Utility Fee	No	
Community Development Block Grant (CDBG)	No	
Other Funding Programs	No	
<b>Education and Outreach</b>		

Identify education and outreach programs and methods, already in place that could be used to implement mitigation activities and communicate hazard-related information.

Program / Organization	Yes / No	Comments
Local citizen groups or non-profit organizations focused on environmental protection, emergency preparedness, access and functional needs populations, etc.	Yes	

# National Flood Insurance Program (NFIP)

Jurisdiction: City of Breaux Bridge

Insurance Summary	Comments
How many NFIP policies are in the community? What is the total premium and coverage?	N/A
How many claims have been paid in the community? What is the total amount of paid claims? How many of the claims were for substantial damage?	N/A
How many structures are exposed to flood risk with in the community?	N/A
Describe any areas of flood risk with limited NFIP policy coverage.	N/A
<b>Staff Resources</b>	
Is the Community FPA or NFIP Coordinator certified?	N/A
Is flood plain management an auxiliary function?	N/A
Provide an explanation of NFIP administration services (e.g., permit review, GIS, education or outreach, inspections, engineering capability)	N/A
What are the barriers to running an effective NFIP program in the community, if any?	N/A
<b>Compliance History</b>	
Is the community in good standing with the NFIP?	N/A
Are there any outstanding compliance issues(i.e., current violations)?	N/A
When was the most recent Community Assistance Visit (CAV) or Community Assistance Contact(CAC)?	N/A
Is a CAV or CAC scheduled or needed? If so when?	N/A
<b>Regulation</b>	
When did the community enter the NFIP?	N/A
Are the FIRMs digital or paper?	N/A
Do floodplain development regulations meet or exceed FEMA or State minimum requirements? If so, in what ways?	N/A
<b>Community Rating System (CRS)</b>	
Does the community participate in CRS?	N/A
What is the community's CRS Class Ranking?	N/A
Does the plan include CRS planning requirements?	N/A