Terrebonne Parish Hazard Mitigation Plan Update

November 2009



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Shaw® Shaw Environmental & Infrastructure, Inc.

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with FOREWORD

FOREWORD

TERREBONNE PARISH, LOUISIANA
HAZARD MITIGATION PLAN

The planning pilot grant program was approved in 2007 to assist Louisiana parishes in completing Hazard Mitigation Plan Updates (HMPU) and Amendments. Terrebonne's original Hazard Mitigation Plan was approved in 2006.

Throughout the HMPU process, the committees determined that the sections of the original Terrebonne Parish Hazard Mitigation Plan that needed updating were the Planning Process, Risk Assessment, Mitigation Strategies, and Plan Maintenance along with the applicable attachments.

The Planning Process section updates include specifying plans and project lists incorporated into the HMPU along with relevant attachments. The HMPU also incorporated civic group presentations to further public outreach.

The Risk Assessment section of the Hazard Mitigation Plan Update includes the updating a table of NOAA recorded events, a new tornado profile, and a new multi-jurisdictional risk assessment. Also updated was the table summarizing risk assessment items such as total structures, total value of structures, structures in hazard areas, value of structures in hazard areas, residential population of area, and percent population of area. Applicable attachments were added or updated.

The Mitigation Strategies section was also updated. The goal to reduce or avoid long-term vulnerabilities to the identified hazards remained the same. However, the objectives and action items relative to the established goals were updated. The committee developed a list of priority projects, and the highest prioritized projects were chosen for scoping. These updates were completed including any attachments that apply.

The Plan Maintenance section was also updated to include the procedure and issues to be addressed yearly by a subset of the HMPU committee and public notification of future meetings. The plan will be updated again within a five-year timeframe.

I. PREREQUISITES—COPY OF FORMAL PLAN ADOPTION with FOREWORD

§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 Terrebonne Parish is presented on the following page. Terrebonne Parish is a consolidated government with no independent incorporated municipalities.

OFFERED BY: Mr. K. Voisin.
SECONDED BY: Mr. B. Hebert.

RESOLUTION NO. 09-659

RESOLUTION REQUESTING THE APPROVAL OF THE HAZARD MITIGATION PLAN UPDATE DEVELOPED UNDER TERREBONNE PARISH FLOOD HAZARD MITIGATION PROGRAM WITH FEMA FUNDS FROM HURRICANE RITA.

WHEREAS, on October 30, 2000, the President signed into law the Disaster Mitigation Act of 2000 (DMA 2000), and

WHEREAS, DMA 2000 amends the Robert T. Stafford Disaster Relief and Emergency Assistance Act by, among other things, adding a new section, 322—Mitigation Planning—which places new emphasis on local mitigation planning, and

WHEREAS, Section 322 requires local governments to develop and submit mitigation plans as a condition of receiving Hazard Mitigation Grant Program (HMGP) project grants, and

WHEREAS, an Interim Final Rule (the Rule) for implementing Section 322 was published in the Federal Register, 44 CFR Parts 201 and 206, on February 26, 2002, with requirements for Local Plans found in Part 201.6, and

WHEREAS, in Louisiana, the Governor's Office of Homeland Security and Emergency Preparedness (GOHSEP) local mitigation planning initiative is focused at the parish level, and

WHEREAS, all Federal Emergency Management Agency (FEMA) and GOHSEP procedures have been adhered to and approvals obtained, and,

WHEREAS, the Terrebonne Parish Consolidated Government is committed to proactive planning to avoid future damages from storm events to the extent foreseeable,

WHEREAS, the Terrebonne Parish Consolidated Government participated in preparation of the Hazard Mitigation Plan Update to identify and prioritize improvements within the parish eligible for HMGP funding and supports the plan as it pertains to the entire parish,

NOW, THEREFORE BE IT RESOLVED by the Terrebonne Parish Council (Community Development and Planning Committee), on behalf of the Terrebonne Parish Consolidated Government, that the Parish President and Council does hereby adopt the overall Hazard Mitigation Plan Update dated November 2009.

THERE WAS RECORDED:
YEAS: T. Cavalier, J. Cehan, B. Hebert, P. Lambert, J. Pizzolatto, A. Tillman, C. Voisin and K. Voisin.
NAYS: None.
ABSTAINING: None.
NOT VOTING: None.
ABSENT: A. Williams.
The Chairman declared the resolution adopted on this, the 14th day of December, 2009.
* * * * * * * * *

I, PAUL A. LABAT, Clerk of the Terrebonne Parish Council, do hereby certify that the foregoing is a true and correct copy of a resolution adopted by the Community Development and Planning Committee on December 14, 2009 and subsequently ratified by the Assembled Council in Regular Session on December 16, 2009 at which meeting a quorum was present.

GIVEN UNDER MY OFFICIAL SIGNATURE AND SEAL OF OFFICE THIS 17TH DAY OF DECEMBER, 2009.

Paul A. Labat

PAUL A. LABAT, COUNCIL CLERK
TERREBONNE PARISH COUNCIL

II. INTRODUCTION AND PARISH BACKGROUND

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The information presented below is intended to give the reader (reviewer) a synopsis of Terrebonne Parish, Louisiana. With this background information, data provided therefore the plan may be more easily evaluated.

A. TERREBONNE PARISH CONSOLIDATED GOVERNMENT

In 1984, Terrebonne Parish instituted a consolidated form of government. At that time, the governmental functions of the City of Houma (the sole municipality in the parish) were consolidated with the governmental functions of Terrebonne Parish. The formal name of the parish's government is the Terrebonne Parish Consolidated Government which is commonly referred to as the "parish government." The governing authority consists of an elected parish president who is the chief executive officer, (i.e.) head of the executive branch, and nine elected council members. The council members each represent a single district consisting of relatively equal areas of population. The Terrebonne Parish Council represents the legislative branch of the parish government. As stated in its Home Rule Charter and parish code, the Terrebonne Parish Consolidated Government has all the powers, rights, privileges, immunities, and authority heretofore possessed by the City of Houma and Terrebonne Parish under the laws of the state. The parish government shall have and exercise such other powers, rights, privileges, immunities, authority and functions not inconsistent with this charter as may be conferred on or granted to a local governmental subdivision by the constitution and general laws of the state, and more specifically, the parish government shall have and is hereby granted the right and authority to exercise any power and perform any function necessary, requisite or proper for the management of its affairs, not denied by this charter, or by general law, or inconsistent with the constitution.

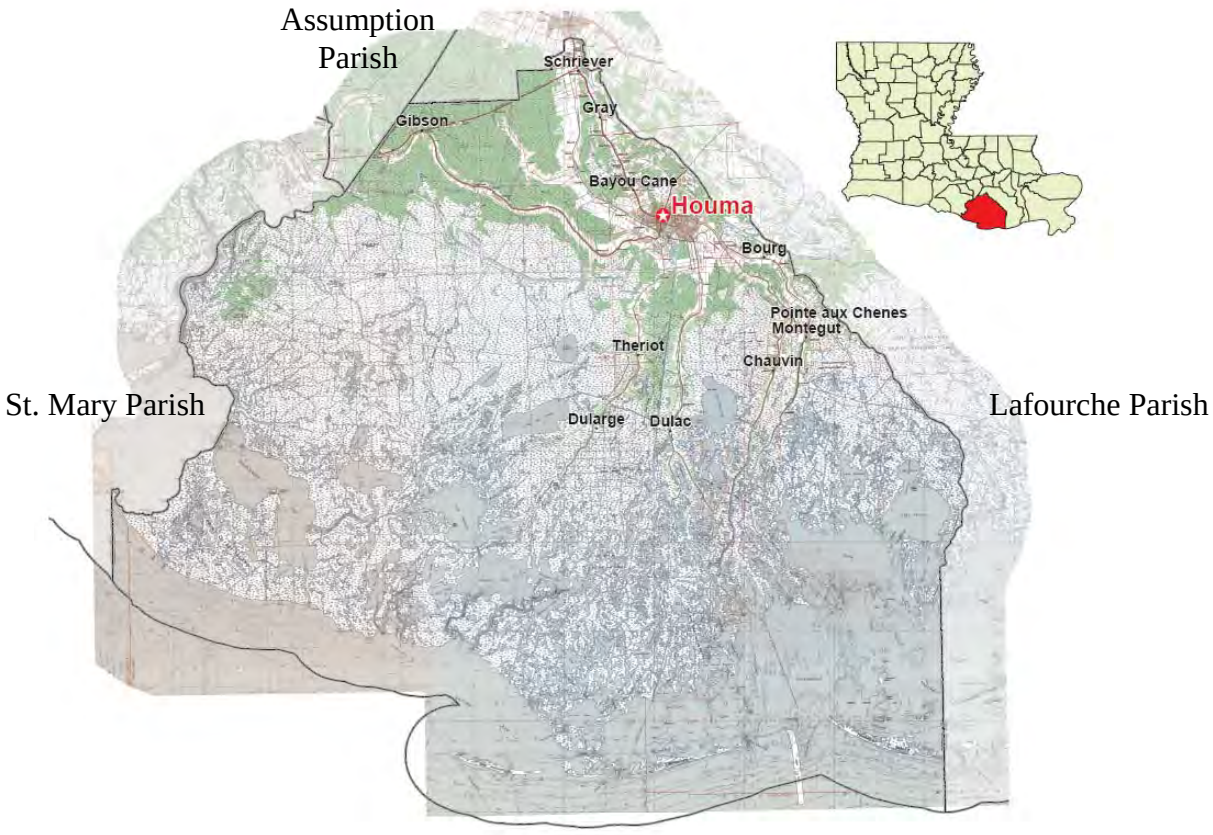
The parish government has the right, power, and authority to pass all ordinances requisite or necessary to promote, protect and preserve the general welfare, safety, health, peace and good order of the parish, including, but not by way of limitation, the right, power and authority to pass ordinances on all subject matters necessary, requisite or proper for the management of parish affairs, and all other subject matter

Numerous unincorporated communities with small concentrations of residences and assets are dispersed throughout the parish. The aggregate population of each of these communities represents approximately two-thirds of the parish's total population. The affairs and needs of these communities are also governed by the Terrebonne Parish Consolidated Government. The communities listed below are identified on many maps and figures throughout this Hazard Mitigation Plan Update (HMPU).

- Bayou Cane
- Bourg
- Chauvin
- Dulac
- Dularge
- Gibson
- Gray
- Montegut
- Point Aux Chene
- Schriever
- Theriot

B. GEOGRAPHIC SETTING

Terrebonne Parish is situated in southeast Louisiana along the state's Gulf of Mexico coastline. The parish includes approximately 2,100 square miles and is the second largest parish in Louisiana in terms of land area. Greater than 85% of the parish area is water and wetlands. To the east is Lafourche Parish, to the west St. Mary Parish, and to the north Assumption Parish. The map below shows communities in Terrebonne parish, its position in the state, and its large expanse of water and wetlands (light blue and gray).

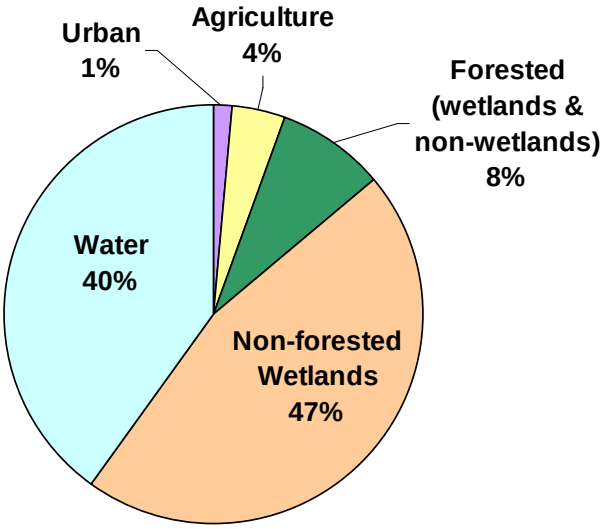


Despite its location near the Gulf of Mexico and its vulnerability to hazards relative to tropical storms and hurricanes, the parish has little to no hurricane protection levee system. Instead, the majority of the parish's existing levee system is comprised of a series of forced drainage levees (<6 feet above ground). The levee system is augmented with pump stations in the populated portions of the parish to drain storm water and minimize flooding. According to the Terrebonne Parish needs assessment provided via the Louisiana Speaks Long-Term Community Planning website (www.louisianaspeaks-parishplans.org), all levees in the parish located south of the Intracoastal Canal were breached during Hurricane Rita in 2005. The layout of all drainage districts, including levees and pump stations, is presented in the risk assessment section of this HMPU (Section IV).

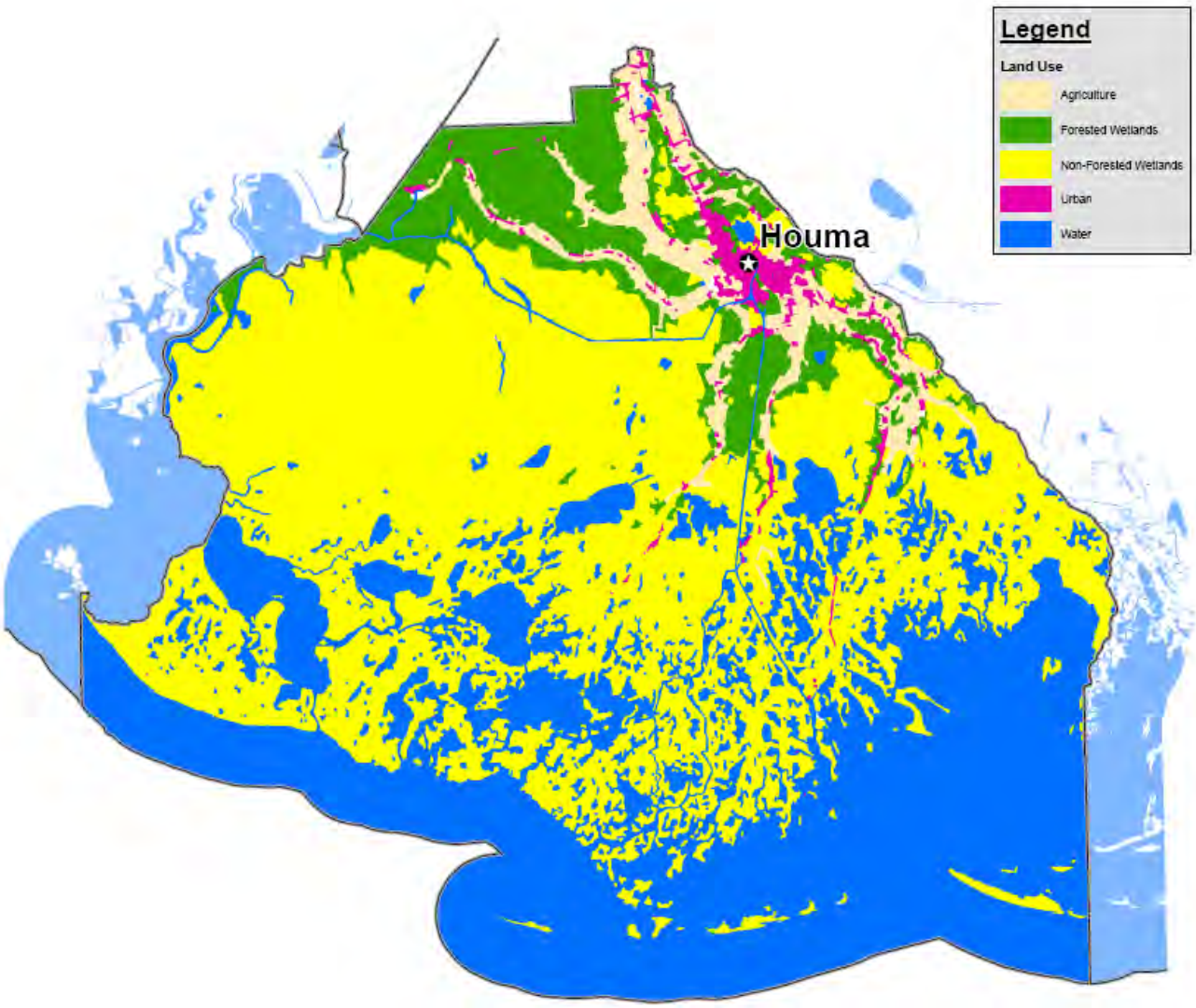
As a snapshot of the community, the following land use/land cover table and associated chart are provided. Based upon this data, which was provided by the Environmental Protection Agency (EPA), only 5.6% of the parish is urbanized and/or under cultivation. The remaining 94.6% of the 1,326,748 acre parish is forested, wetlands, or water.

Table 2-1: Terrebonne Parish Existing Land Use/Land Cover

Description	Acres	%
Urban	**19,502**	**1.5%**
Residential	11,065	0.8%
Commercial and Service	3,016	0.2%
Industrial	1,849	0.1%
Transportation, Communication, and Utilities	1,014	0.1%
Mixed Urban or Built-Up	1,280	0.1%
Other Urban or Built-Up	1,279	0.1%
Agriculture (cropland and pasture)	**54,103**	**4.1%**
Forested (wetlands & non-wetlands)	**109,250**	**8.2%**
Deciduous Forest Land	116	0.0%
Forested Wetland	109,134	8.2%
Non-forested Wetland	**613,371**	**46.2%**
Water	**529,580**	**39.9%**
Bays and Estuaries	385,877	29.1%
Streams and Canals	16,760	1.3%
Lakes	122,366	9.2%
Reservoirs	4,577	0.3%
Other	**942**	**0.1%**
Total	**1,326,748**	**100%**



The geographic distribution of land use/land cover is illustrated on the following parish map. The 5.6% of the parish that is urbanized (pink) or under cultivation (tan) is concentrated in the north-central portion of the parish in the vicinity of Houma and the previously described ridges along major bayous.



C. PHYSICAL PARAMETERS

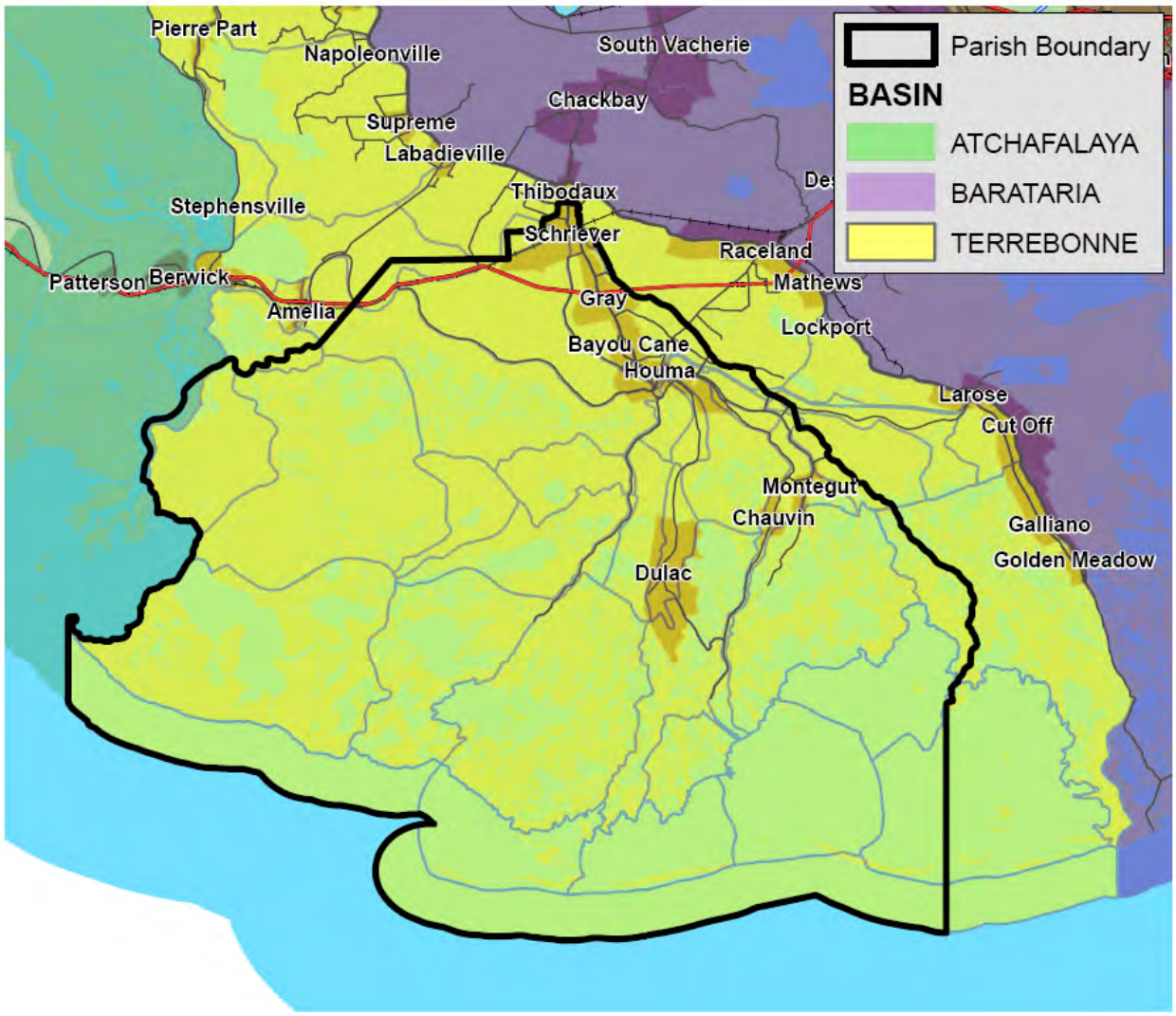
The formation of Terrebonne Parish is largely a result of an historic alignment of the Mississippi River delta known as the Lafourche Delta. The following is an excerpt from the *Roadside Geology of Louisiana* by Darwin Spearing:

> About 3,500 years ago, the Mississippi River shifted west again, this time running south along the course of Bayou Lafourche. Many remnants of the distributary streams of the Lafourche delta remain as part of the landscape south of Thibodaux. The Lafourche delta grew between 3,500 and 400 years ago, the last of the great deltas that preceded the modern delta. Lake-filled marshes in Terrebonne Parish, Terrebonne Bay, and Timbalier Bay, and the arcuate offshore islands of Isles Dernieres, Timbalier, and East Timbalier are relics of the Lafourche Delta.

The following graphic illustrates the general proximity of historical deltas created by the shifting Mississippi River in southeast Louisiana over the last 7,500 years.

Source: *Roadside Geology of Louisiana*, Darwin Spearing, 1995

The parish is located at the southernmost reach of the Terrebonne drainage basin. The drainage basins within and in the immediate vicinity of Terrebonne Parish are identified in the following illustration.

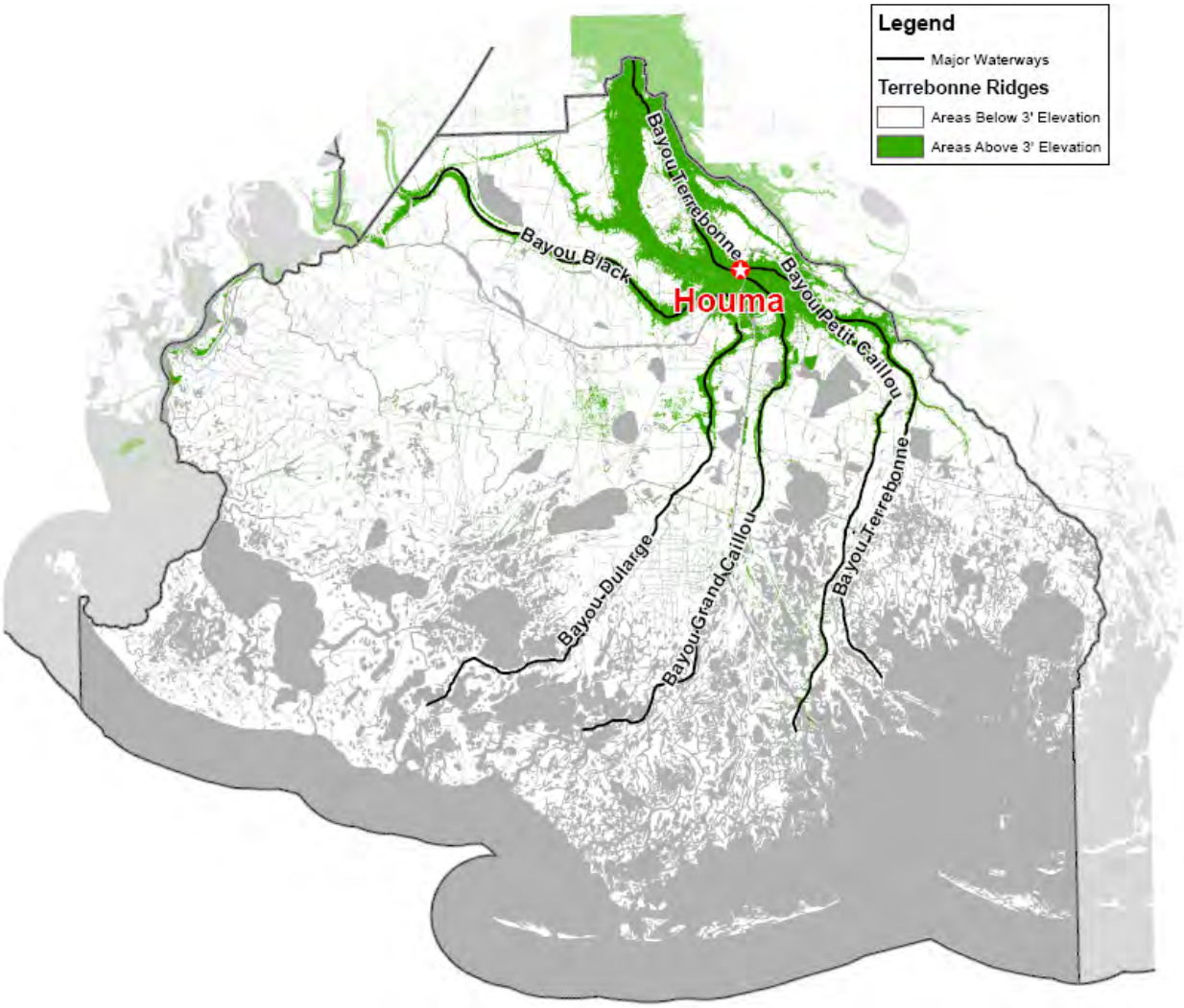


A combination of its deltaic creation, its proximity to the Gulf of Mexico, and a historical concentration of oil and gas exploration activities (construction of man-made access canals) are responsible for greater than 85% of the parish's total acreage being represented by either water or wetlands. Generally from north to south, the wetlands include fresh marsh, intermediate brackish marsh, and salt marsh near the coast line. These marshes are intertwined with hundreds of lakes, bays, bayous, and canals. Some of the more notable water bodies within the parish include:

- Bayou Black
- Bayou Dularge
- Bayou Grand Caillou
- Bayou Petit Caillou
- Bayou Terrebonne

These bayous are significant as they have historically provided the land-building sediment that created the highest areas of the parish. The sediment was deposited during

annual flooding cycles of Bayou Lafourche are the Lafourche delta lobe. It is upon these finger-like ridges that all urban and agriculture land exist in the parish today. Because of the formation of these ridges through alluvial processes, the three-foot contour clearly defines the ridges as the "high-ground" of the parish. The depiction of these ridge lines form an image that is repeated in this report as virtually all land area other than these ridge areas is susceptible to frequent flooding of some sort; either stormwater, river flooding, storm surge, or backwater flooding. The graphic below depicts the ridges that form the bulk of non-flooding urban and agricultural land in the parish.



D. SOCIOECONOMIC FACTORS

According to 2006 U.S. Census data, the parish's primary industry sectors based on employment include (1) educational services, and health care, and social assistance, (2) retail trade, (3) agriculture, forestry, fishing and hunting, and mining, and (4) manufacturing. These four sectors represented slightly more than 50% of the parish's total employment of 48,352 in 2006. The following table provides a summary of the overall economy based upon employment.

Table 2-2: Terrebonne Parish Employment by Industry Sector, 2006

Industry Sector	Number	Approx. %
Educational services, and health care, and social assistance	9,595	20%
Retail trade	6,013	12%
Agriculture, forestry, fishing and hunting, and mining	5,006	10%
Manufacturing	4,671	10%
Arts, entertainment, and recreation, and accommodation, and food services	4,060	8%
Other services, except public administration	3,684	8%
Construction	3,427	7%
Wholesale trade	2,707	6%
Finance and insurance, and real estate and rental and leasing	2,477	5%
Professional, scientific, and management, and administrative and waste management services	2,197	5%
Transportation and warehousing, and utilities	2,111	4%
Public administration	1,864	4%
Information	540	1%
Total	**48,352**	**100%**

Source: U.S. Census Bureau, 2006 American Community Survey

The population of the parish was 104,503 in 2000 and grew to 109,348 by 2006. The population is distributed such that the heaviest concentration of people and most urbanized area is in Houma.

III. §201.6 (b) THE PLANNING PROCESS

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§201.6 (b) 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:

A. §201.6 (b)(1) An opportunity for the public to comment on the plan during the drafting stage and prior to plan approval;

Several means and methods were incorporated into the planning process that allowed and encouraged public comment on the plan during the drafting stage and prior to plan approval. To create the nucleus of parish/local participation, an HMPU committee was formed. The HMPU committee was comprised of a geographically and economically diverse group of citizens and professionals from throughout the parish.

The primary mode of plan update participation included five HMPU committee meetings. Each HMPU committee meeting was open to the public and advertised in Terrebonne Parish's official journal, *The Courier,* to increase public awareness and encourage participation. Additionally, the news media was contacted prior to the second, third, fourth, and fifth meetings. The HMPU committee meetings occurred on the following dates:

- June 28, 2007
- September 25, 2007
- November 6, 2007
- April 8, 2008
- November 2, 2009

In addition to the five HMPU committee meetings, three civic group/public outreach presentations were held, one of which was televised. These meetings were meant to inform and garner public input and participation from sources other than the committee. The civic group presentations were as follows:

- The Houma-Terrebonne Rotary Club, July 19, 2007
- The Terrebonne Parish Council, Community Development and Planning Committee, September 24, 2007 (televised)
- Terrebonne Parish Fire Chief's Association, December 13, 2007

Supporting documentation (advertisements, attendance lists, agendas, PowerPoint presentations, etc.) related to the aforementioned meetings are included in the attachment portion of Section IV [201.6 (c)] which follows in the next Section.

B. §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 businesses, academia and other private and 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. St. Mary and Lafourche Parish representatives were updated at the respective HMPU committee sessions. A list of specific HMPU committee members is provided as attachment c1-1 (page 1) in the attachments portion of Section IV.

FEMA and GOSHEP were notified and invited to attend the HMPU committee meetings a minimum of two weeks in advance. Both FEMA and GOSHEP representatives routinely attended the committee meetings and provided input as necessary throughout the planning process.

C. §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:

- Terrebonne Parish Comprehensive Master Plan, October 2003
- Terrebonne Parish Hazard Mitigation Plan, 2004
- Louisiana State Hazard Mitigation Plan, April 2005
- Coastal Wetlands Planning Protections & Restoration Act (CWPPRA), April 2006
- Terrebonne Parish Long Term Recovery Plan (ESF-14), February 2007
- Louisiana's Comprehensive Master Plan for a Sustainable Coast (CPRA), April 2007
- Louisiana Coastal Impact Assistance Plan (CIAP), June 2007

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. Relevant geospatial information was provided upon request by the Terrebonne Parish geospatial information group (GIS).

IV. §201.6 (c) PLAN CONTENT

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A. §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.

(a) How it was prepared…

Terrebonne Parish updated its February 2006 parishwide Hazard Mitigation Plan (HMP) which included the incorporated community of Houma as well as the entirety of the unincorporated areas of the parish. Before the preparation of this update, the community of Houma entered into a consolidated government with Terrebonne Parish, so there are no longer any incorporated municipalities in Terrebonne Parish. A planning and design team with 25 years of experience in the Terrebonne Parish area was contracted to facilitate the planning process and plan update in accordance with state and federal guidelines.

As previously discussed in Section III, an HMPU committee was created to assist in the planning process. The structure of that committee is detailed in the following section (b). The planning process used a combination of procedures spelled out in CFR §201.6, workshop manuals, and how-to guidelines. These guidelines, which were presented to the committee in a series of open to the public meetings, are followed throughout the plan update process. Goals of the HMPU committee included incorporating new data, especially that from Hurricanes Rita and Katrina, updating risk and vulnerability assessments, and updating mitigation goals and action items. In addition, two separate meetings with the Parish President were held.

(b) Who was involved in the process…

The HMPU committee served as the parish's primary representatives throughout the plan update. Representation of the membership offered a broadly based cross-section of the community. A detailed list of HMPU committee members is presented as Attachment c1-1 (page 1) in Section IV that follows this section. Agencies represented by the 35-person committee included the following:

- Terrebonne Parish Consolidated Government
- Terrebonne Parish Tax Assessor
- Terrebonne Parish Readiness and Assistance Coalition
- Terrebonne Parish Sheriff's Office
- Terrebonne General Medical Center
- Terrebonne Parish School Board
- Terrebonne Parish Levee & Conservation District
- Houma Fire Department
- Houma-Terrebonne Chamber of Commerce
- Board of Health
- Water District
- Regulatory Planning Commission
- South Central Industrial Association

- 911 Communications
- Local Engineering Firms

As noted, public participation was encouraged by publicly advertising the HMPU committee meetings, media attendance and coverage of HMPU meetings, and several informative civic group or public outreach presentations that were provided upon request during the plan update. These activities publicly encouraged and provided an opportunity for involvement by interested stakeholders.

(c) How the public was involved

The general citizenry was represented by the broad range of geographical diversification and the professional knowledge of the planning team. With a significant presence of various members of the Terrebonne Parish Consolidated Government and other parish regulatory agencies on the HMPU committee, representation of the general public was given major consideration.

A public notice was published in the official journal of the parish, The *Courier*, prior to each HMPU committee meeting to offer public opportunities for plan update participation. Additionally, media coverage of the process was encouraged throughout the planning process. The public was kept informed by routine reports by the news media following HMPU committee meetings.

Undoubtedly, the most important element of the planning team was the HMPU committee. The group met five times, and the plan update was developed over an eighteen month timeframe. Summaries of the public meetings are presented below. A summary of the attendees is presented as Attachment c1-2 on pages 2 and 3.

MEETING No. 1—June 28, 2007

A kick-off meeting was held at the Government Tower in Houma, Louisiana, on June 28, 2007. A copy of the public advertisement, sign-in sheet, agenda (with notes), and PowerPoint presentation is presented as Attachments c1-3.1A through c1-3.1D (pages 4 through 17). This meeting included a presentation which reinforced the Hazard Mitigation Planning concept, explained the need for periodic updates, and provided a summary of the approach and methodology for the planning process to be followed during the plan update. The presentation also provided a review of the current hazard mitigation plan including re-identification of hazards, a review of goals of the existing plan, and a review and discussion of the recommended project list from the current plan.

The committee structure was discussed and recommendations were made to expand the committee. As a result, the committee was expanded to include representatives of public health, education, fire, communication, hospitals, and the Regulatory Planning Commission. Additionally, a steering committee was formed consisting of the parish planning director, parish public works director, the parish manager, the executive director of the Terrebonne Levee and Conservation District, the parish OHSEP director, and a local professional engineer. It was explained that the steering committee is intended to be a smaller subset of the HMPU committee that can be engaged as necessary between regular meetings throughout the planning process.

During the "Plan Review" portion of the meetings, hazards were reviewed and re-identified. "Worksheet #1, Identify the Hazards" from the current hazard mitigation plan

was discussed with meeting attendees. The committee agreed that the plan update will identify all natural hazards as in the current plan, and it will focus on those hazards to which the parish is most highly susceptible – wind, floods, and levee failure. This list was used throughout the mitigation plan update process for hazard profiling and mitigation measures. Details regarding the process of risk assessment are presented in §201.6 (c)(2).

CIVIC GROUP PRESENTATION No. 1—July 19, 2007

The first civic group presentation was made to the Houma-Terrebonne Rotary Club on July 19, 2007. Topics discussed include the hazard mitigation planning process, types of eligible mitigation projects, and the purpose for updating the plan. Numerous maps were presented to the Rotarians for input. The sign in sheet for the presentation is presented as Attachment c1-3.2 (pages 18 through 20).

CIVIC GROUP PRESENTATION No. 2—September 24, 2007

The second civic group presentation was made to the Terrebonne Parish Council Community Development and Planning Committee on September 24, 2007. Topics discussed include the hazard mitigation planning process, types of eligible mitigation projects, and the purpose for updating the plan. The presentation was recorded and televised locally in Terrebonne Parish on several occasions. The committee's agenda is presented as Attachment c1-3.3 (pages 21 and 22).

MEETING No. 2—September 25, 2007

A second HMPU committee meeting was also held at the Government Tower in Houma on September 25, 2007. A copy of the public advertisement, sign-in sheet, agenda (with notes), and PowerPoint presentation is presented as Attachments c1-3.4A through c1-3.4D (pages 23 through 29). A significant portion of the meeting was dedicated to a review of relevant data and associated maps created following the first meeting. Data was obtained from the parish assessor's office, USGS, U.S. Army Corps of Engineers (USACE), and FEMA. The compiled maps were presented to and reviewed by the HMPU committee. These GIS maps included base maps, drainage and water district maps, levees and pump stations, ABFEs, critical hazard event profile maps, and critical facilities maps. The maps presented are displayed as Attachments c2-1 through c2-25 (pages 70 through 98) of Section IV of this plan.

HMPU Meeting No. 2, September 25, 2007

The meeting continued with a detailed discussion of hazard event profiles, e.g., levee failure, coastal storm, and flooding. The committee identified six historical storms be classified as "benchmark storms" because of the significant impact to the parish. Future risk and vulnerability assessments will be based on these benchmark storms. Current mitigation related plans were discussed and included the Louisiana state hazard

mitigation plan, the Terrebonne Parish Comprehensive Master Plan, Louisiana's Comprehensive Master Plan for a Sustainable Coast, ESF-14, and the current HMP projects. The meeting concluded with a discussion of the next step in the update process—project identification.

MEETING No. 3—November 6, 2007

A third HMPU committee meeting was held at the Government Tower in Houma on November 6, 2007. A copy of the public advertisement, sign-in sheet, agenda (with notes), and PowerPoint presentation is presented as Attachments c1-3.5A through c1-3.5D (pages 40 through 49). All risk assessment data and maps compiled since the beginning of the project were presented to the committee, and each committee member was given a packet of information which included the following:

- A list of the critical facilities
- Worksheet #3A (Inventory Assets)
- Worksheet #4 (Estimated Losses—Composite Risk Area)
- Initial list of projects compiled from existing plans and discussions to date
- State of Louisiana Hazard Mitigation Plan Appendix H—Best Practices for Hazard Mitigation
- State of Louisiana Planning Pilot Grant Program Handout 5B—Hazard Mitigation Project Types
- Examples of Louisiana mitigation success stories

The main purpose of the meeting was to present the current inventory of assets and risk assessment data, explain the process of collecting this data, and begin to "mold" the committee's ideas regarding mitigation project types that are applicable for this program. As it was important to have the committee members verify the data, the central focus of the meeting dealt with the critical facilities inventory, review of new GIS maps, and revisions to those maps presented previously.

During the presentation, committee members were asked to review the inventory assets list and related maps noting corrections where needed. Areas of the risk assessment identified as being incorrect were noted and revisions made accordingly. It became apparent that federal data regarding local and regional flooding caused by Hurricane Rita was exaggerated, especially in the area north of Louisiana State Highway 182 (north and west of the City of Houma).

The concluding section of the presentation included a summary discussion regarding the next steps of the mitigation planning process—refining the project list, STAPLEE, and creation of the implementation strategy.

CIVIC GROUP PRESENTATION No. 3—December 13, 2007

The third civic group presentation was made to public safety representatives (primarily fire Captains) on December 13, 2007. Topics discussed include the hazard mitigation planning process, types of eligible mitigation projects, and the purpose for updating the plan. There was also considerable discussion dedicated to the identification of eligible projects directly related to public safety operations that should be included in

the HMPU. The sign in sheet for the presentation is included as Attachment c1-3.6 (page 50).

MEETING No. 4—April 8, 2008

A fourth HMPU committee meeting was held at the Government Tower in Houma on April 8, 2008. A copy of the public advertisement, sign-in sheet, agenda (with notes), and handouts are presented as Attachments c1-3.7A through c1-3.7E (pages 51 through 62). The meeting included a discussion about the preliminary project list, previous plans from which projects were identified, the STAPLEE process, and projects on the list that are potentially eligible for HMGP funds. Additional project ideas were discussed as was the relative order of magnitude cost of the HMGP eligible projects. In reviewing the HMGP eligible projects, the committee decided that the list was not fully complete and needed to be expanded. Committee members suggested that they be granted a few weeks to develop additional eligible projects, after which the HMPU committee could re-convene and prioritize the projects using a combination of the STAPLEE process and a preliminary benefit-cost analysis data.

MEETING No. 5—October 28, 2008

A fifth HMPU committee meeting was held at the Government Tower in Houma on October 28, 2008. A copy of the public advertisement, sign-in sheet, and meeting notes are presented as Attachments c1-3.8A through c1-3.8C (pages 63 through 66). The meeting included the final prioritization of the project list. Projects with the highest priority were scoped and are detailed in Section IV of this HMPU.

MEETING No. 6—November 2, 2009

A sixth HMPU committee meeting was held at the Government Tower in Houma on November 2, 2009. A copy of the proof of advertisement, sign-in sheet, and meeting notes are presented as Attachments c1-3.9A through c1-3.9C on pages 67 through 69. Topics discussed include a past meeting review, the draft scoping summary report, and the draft plan update.

B. §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.

The Terrebonne Parish Hazard Mitigation Plan Risk Assessment is outlined below. Attachments for this section are presented at the end of the section. The section is divided into component 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:

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.

To identify what hazards might affect Terrebonne Parish, the planning team resorted to a combination of sources: NOAA's National Climatic Data Center (NCDC), the February 2006 Terrebonne Parish HMP, and the HMPU committee. According to the NCDC, 207 recorded climatic events have been recorded in Terrebonne Parish within the 50-year period 1957 to 2007. The following table is a summary of those events.

Table 4-1: NOAA National Climatic Data Center Recorded Climatic Events in Terrebonne Parish, 1957 -2007

Event Type	Number of Events	Events/Year	Probability	Property Damage*	Crop Damage*	Damage/Event
Flood	**23**	**0.46**	**46%**	**$447,130,000**	**$0**	**$75,117,500**
Coastal Flood	4	0.08	**8%**	$5,500,000	$0	$1,375,000
Flood	3	0.06	**6%**	$825,000	$0	$275,000
Flash Flood	6	0.12	**12%**	$590,000	$0	$98,333
Urban/small stream Flood	3	0.06	**6%**	$0	$0	$0
Storm Surge	6	0.12	**12%**	$440,215,000	$0	$73,369,167
Heavy Rain	1	0.02	**2%**	$0	$0	$0
Cold	**4**	**0.08**	**8%**	**$0**	**$70,000,000**	**$17,500,000**
Excessive Cold	1	0.02	**2%**	$0	$0	$0
Extreme Cold	1	0.02	**2%**	$0	$20,000,000	$20,000,000
Winter Storm	1	0.02	**2%**	$0	$0	$0
Freeze	1	0.02	**2%**	$0	$50,000,000	$50,000,000
Wind	**136**	**2.72**	**272%**	**$13,916,000**	**$0**	**$714,959**
Funnel Cloud	7	0.14	**14%**	$0	$0	$0
High Wind	1	0.02	**2%**	$250,000	$0	$250,000
Thunderstorm Wind	98	1.96	**196%**	$1,270,000	$0	$12,959
Tornado	28	0.56	**56%**	$12,376,000	$0	$442,000
Waterspout	2	0.04	**4%**	$20,000	$0	$10,000
Excessive Heat	**1**	**0.02**	**2%**	**$0**	**$0**	**$0**
Drought	**3**	**0.06**	**6%**	**$0**	**$158,400,000**	**$52,800,000**
Hail	**15**	**0.30**	**30%**	**$0**	**$0**	**$0**
Hurricane/Tropical Storm	**14**	**0.28**	**28%**	**$17,366,800,000**	**$0**	**$1,240,485,704**
Lightning	**11**	**0.22**	**22%**	**$603,000**	**$0**	**$54,818**
Totals	**207**	**4.1**	**410%**	**$17,828,449,000**	**$228,400,000**	**$1,386,672,981**

Note *: Damages are reported for the entire area affected and are not necessarily limited to Terrebonne Parish.

The February 2006 Terrebonne Parish HMP identified eleven hazards that might affect the community. These events included the following:

- Drought
- Expansive Soils
- Flood
- Hailstorm
- Hurricane
- Land Subsidence
- Winter Storm
- Tornado
- Saltwater Intrusion
- Thunderstorms/Lightning/High Winds

- Storm Surge

IDENTIFY HAZARDS

During the hazard mitigation kick off meeting held on June 28, 2007 (meeting presentation in Section IV as Attachment c1-3.1D on pages 10-17), HMPU committee members were presented with HMP Worksheet #1, "Identify Hazards." The worksheet was completed prior to review by the committee based on the planning team's review of NOAA NCDC data, the previous HMP, and its knowledge of potential hazards in the region. The HMPU committee reviewed and provided comments. The group then worked as a committee of the whole to reach consensus on the various hazards. Each hazard in Worksheet #1 is referenced below with an explanation of its potential probability as a hazard to the parish.

Avalanche Not applicable

No recorded avalanche events have occurred in the parish.

Coastal Erosion

As previously described in Section II of this HMP, more than 85% of the parish's area consists of water and wetlands (marsh). The entire southern border of the parish is along bays of the Gulf of Mexico. Therefore, virtually the entire southern half of the parish is subjected to erosion. The condition is prevalent and is considered a significant hazard. However, there are many federal programs that fund coastal protection projects so the HMPU committee did not feel it warranted to profile this hazard for the purposes of this plan.

Coastal (Tropical) Storm

During the planning session, "coastal storm" was regarded as similar to hurricanes and therefore considered redundant. Both are prevalent hazards with similar impacts. For purposes of this report, both are considered regarding storm water and surge events with hurricanes being the more serious of the two.

Based upon historical events, coastal storms, referred to locally as tropical storms and tropical depressions, are often the cause of heavy rainfall events with less wind than hurricanes. The heaviest rainfalls in recent history resulted from tropical depressions.

Levee (Dam) Failure

Dams do not exist in Terrebonne Parish. However, levees, as in most areas of south Louisiana, are common. In the case of Terrebonne Parish, the majority of the levees that do exist were not designed for hurricane protection. They are used as forced drainage mechanisms. Levee height is severely limiting. In fact, all levees within the parish that are located south of the Intracoastal

Canal were reportedly topped and/or breached during Hurricane Rita in 2005. Therefore, levee failure is considered a highly significant hazard event in the area. A map of levees, pump stations, and drainage districts is displayed in Attachment c2-3 (page 72) at the end of this section. Levee failure is a new addition to the HMPU and was not included in the former Hazard Mitigation Plan (2006).

Drought Not Applicable.

Drought is a minimal concern in Terrebonne Parish as depicted in the NOAA table above. Only three recorded events were noted in the last 50 years, and no anticipated drought related mitigation issues were noted in Terrebonne Parish. While the hazard is possible, it is not considered to be probable.

Earthquake Not applicable.

No earthquake events have been recorded in the parish.

Expansive Soils Not applicable

According to Terrebonne Parish's February 2006 HMP, expansive soils are likely to occur. 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.

Extreme Heat Not applicable.

One recorded excessive heat event was recorded in the last 50 years in Terrebonne Parish. Therefore, the HMPU committee felt that the hazard is not of a magnitude to be addressed as a prevalent hazard for the purposes of this plan.

Flood

Flooding is the second most prevalent hazard event type recorded by the NCDC in Terrebonne Parish. In the last 50 years, 23 flood events have been recorded. Flood 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.

Hail Storm Not applicable

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.

Hurricane

Hurricane hazards are a primary concern regarding flooding from both stormwater events and storm surge. Wind damage is also of major concern. Stormwater issues and surge issues are also addressed as flood concerns.

Land Subsidence

According to Terrebonne Parish's February 2006 HMP, land subsidence is likely to occur in the region. However, the HMPU committee felt that the issue is not of a magnitude to be addressed as a prevalent hazard for purposes of this plan. However, the hazard will be profiled due to the high probability of occurrence.

Landslide Not applicable

No recorded landslide events have occurred in Terrebonne Parish and will not be of further consideration for the purposes of this HMPU.

Saltwater Intrusion

The parish has three freshwater intakes available for its supply of potable water. These intakes have become increasingly vulnerable to saltwater intrusion. In fact, storm surge from past hurricanes has forced the parish to abandon certain intakes as a result of high salt concentrations. For this reason, the HMPU committee agreed that saltwater intrusion should be recognized as a significant hazard within this HMPU. Saltwater intrusion is a new addition to the HMPU and was not included in the former Hazard Mitigation Plan (2006).

Severe Winter Storm Not Applicable

Severe winter storms seldom occur in the coastal area.

Tornado

Tornados have occurred in the parish and will occur in the future. However, because events are so infrequent and damages so sporadic, the HMPU committee concluded that addressing mitigation measures relative to tornados as a stand alone hazard should not be considered for purposes of this plan, but the tornado hazard will be profiled due to the high probability of occurrence.

Thunderstorms/Lightning/High Winds Not Applicable

Thunderstorms, lightning, and high winds have occurred in the parish and will occur in the future. However, because events are so frequent and damages so minimal, the HMPU committee concluded that addressing mitigation measures related to these hazards should not be considered for the purposes of this HMPU.

Tsunami Not applicable

Tsunami events have never been noted in Terrebonne Parish and will not be of further consideration for the purposes of this HMPU.

Volcano Not applicable

No volcanoes exist in Terrebonne Parish and will not be of further consideration for the purposes of this HMPU.

Wildfire Not applicable

No wildfire events of significance have been recorded in Terrebonne Parish and will not be of further consideration for the purposes of this HMPU.

PREVALENT HAZARDS TO THE COMMUNITY

Although many of the hazards in the previous section occur in the parish, it was determined to focus attention and resources on the most prevalent hazards which include the following:

(a) Levee failure
(b) Flooding
(c) Hurricanes and Coastal/Tropical Storms
(d) Saltwater Intrusion
(e) Tornadoes
(f) Subsidence

This list was compiled by HMPU committee members in Meeting No. 1 and with consideration of the former HMP (2006). For analysis purposes, the impacts of the critical and prevalent hazards are summarized as follows:

- Levee failure resulting from extreme flood events
- Flooding from riverine sources, stormwater, tropical storms, and hurricanes in the following forms:
  a. riverine (primarily high water related to rivers and bayous)
  b. stormwater (rain fall)
  c. surge
  d. back water flooding (as the result of river flooding and surge)
- Wind damage resulting from hurricanes, tropical storms, and tornadoes

- Saltwater intrusion resulting from storm surge

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 c2-16 through c2-21 (pages 85 through 90).

The issue of flooding was discussed in detail and committee members determined that 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 four sub-categories, as noted above, based on the type of flooding: riverine, backwater, storm water, and storm surge. By separating the types of flooding into these four categories, the parish was able to identify specific portions of the parish that may be prone to each type of flooding or hazard event. This approach proved valid in defining both the varying causes of flooding hazards and in determining vulnerability.

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. 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) above, levee failure, flooding, hurricanes, coastal/tropical storms, and saltwater intrusion were identified as the prevalent hazards to Terrebonne Parish. A wind map is presented as Attachment c2-22 (page 91). Each of the most significant hazard events was profiled and mapped. A base map was created with linked data (ArcView 9.2) collected from USGS topographic maps, digital orthophoto quarter quads, aerial photography, and state maps. The base map is displayed in Attachment c2-1 at the end of this section (page 73).

Flood data was collected from DFIRMs which were obtained from the internet FEMA Map Service Center at *www.fema.gov*. The flood map is displayed in Attachment c2-4 (page 73) 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.

FLOODING

Storm water

Storm water excesses caused by large amounts of rainfall in a short period of time occur frequently in this coastal parish. Generally, the most damaging events were a function of tropical storms and hurricanes. Primarily low lying areas of the parish suffered damage from past events including Hurricane Juan in 1985 and Tropical Storm Allison in 2001.

Storm surge

Storm surge caused by the effects of winds of hurricanes and tropical storms force rivers, lakes, bay, and Gulf waters inland causing inundation of coastal floodplains and drainage systems. In the case of storm surge, water driven by southerly winds and high tides rise over and through bayous, canals, and marshlands. Low lying coastal areas of Terrebonne Parish are vulnerable to this type of flooding because of its predominate marshland coast and its proximity to the Gulf of Mexico. The probability of storm surge occurring in any given year is 28%. The impact of storm surge can be found in both the levee failure and composite risk assessment loss estimates. Approximately 23,814 structures are vulnerable to storm surge with approximate losses of $3,494,344,815 per storm surge event. All types of structures are vulnerable including agricultural, commercial, government, industrial, residential, religious/non-profit, and schools.

Riverine

Riverine flooding, by definition, is river based. Despite the abundance of bayous and canals located within the parish, none is subject to significant water level fluctuations that contribute to flooding. To the contrary the, the many bayous, canals, and marshlands effectively drain the parish into the Gulf of Mexico in the absence of a strong southerly tide surge created by wind forced waters. Riverine flooding is not considered a significant threat to Terrebonne Parish.

Backwater flooding

Backwater flooding is normally associated with surge events and Atchafalaya River floods and generally connotes minimal velocity. Low lying areas, particularly those outside of protection levees, are at risk. A heavy rainfall event combined with a strong southerly wind hinders drainage outflow causing backwater flooding to the same areas susceptible to storm surge. This phenomenon generally results in the flooding of areas of the parish located south of Houma area. Historically, flooding is generally wide spread and shallow in these areas. No repetitive losses have been recorded, but tremendous expense in sand-bagging, additional pumping, and other major inconveniences to individual property owners are noted. Backwater flooding occurred when the storm surge flowed through the pump station outfall pipes inhibiting drainage as recently as Hurricane Rita.

Previous occurrences of flood events are detailed in the table to follow.

Terrebonne Parish Historical Flood Events
1958-2008

Date	Type	Property Damage
4/12/1994	Flash Flood	$5,000
2/17/1995	Urban Flood	$0
5/8/1995	Flash Flood	$0
7/29/1995	Coastal Flood	$0
10/5/1996	Coastal Flooding	$5,500,000
2/12/1997	Urban/sml Stream Fld	$0
4/5/1997	Coastal Flood	$0
9/10/1997	Urban/sml Stream Fld	$0
1/6/1998	Flash Flood	$35,000
9/12/1998	Storm Surge	$0
6/26/1999	Flash Flood	$500,000
6/6/2001	Flood	$500,000
6/6/2001	Flood	$75,000
6/10/2001	Flood	$250,000
6/30/2003	Storm Surge	$4,100,000
9/15/2004	Storm Surge	$4,000,000
9/22/2004	Storm Surge	$15,000
10/9/2004	Flash Flood	$50,000
10/9/2004	Storm Surge	$100,000
9/23/2005	Storm Surge	$432,000,000
10/16/2006	Coastal Flood	$0
10/22/2007	Flash Flood	$0
	TOTAL	**$447,130,000**

HURRICANE and TROPICAL STORM CRITICAL EVENTS

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).

Table 4-2: Terrebonne Parish Presidential Disaster Declarations (1965 to Present)

Year	Disaster Recovery #	Storm Name	Impact	Damage (billions) [1]
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, Tornad	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	$ 4.5
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

Note [1]: Loss estimates for all affected areas and are not necessarily limited to Terrebonne Parish. Estimates are in 2000 dollars. Data obtained from *Normalized Hurricane Damage in the United States*: 1900-2005, R. Pielke, et. al.

The most extreme examples of the hazard events that have impacted Terrebonne 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.

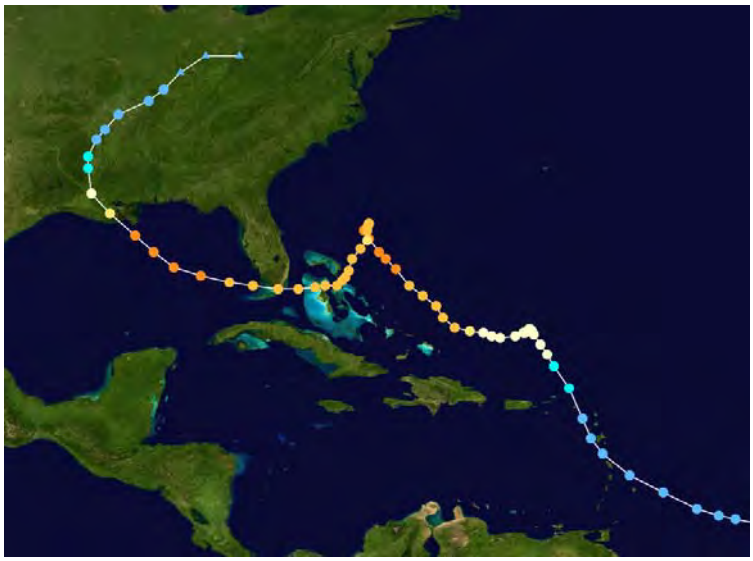
Saffir-Simpson Hurricane Scale

Category	Wind speed	Storm surge
	mph (km/h)	ft (m)
5	≥156 (≥250)	>18 (>5.5)
4	131–155 (210–249)	13–18 (4.0–5.5)
3	111–130 (178–209)	9–12 (2.7–3.7)
2	96–110 (154–177)	6–8 (1.8–2.4)
1	74–95 (119–153)	4–5 (1.2–1.5)
Additional classifications		
Tropical storm	39–73 (63–117)	0–3 (0–0.9)
Tropical depression	0–38 (0–62)	0 (0)

Hurricane Betsy (1965)

Hurricane Betsy made landfall near the mouth of the Mississippi River in Louisiana on September 9, 1965. The hurricane was a Category 3 storm with maximum winds of 140 miles per hour recorded in Terrebonne Parish. The event caused wind and water damage to area homes and businesses parishwide. In addition, the area's agricultural crops (sugarcane) suffered significant losses. One fatality was reported.

A map of the flood impact area of Hurricane Betsy is shown in Exhibit c2-16 (page 84) at the end of this section. The path of the storm is illustrated in the following graphic.



Hurricane Betsy's Storm Track

Hurricane Juan (1985)

Hurricane Juan struck the Louisiana coast in the vicinity of Morgan City on October 29, 1985, as a Category 1 hurricane. Maximum sustained winds were approximately 85 miles per hour. The storm had a very erratic and slow moving track allowing several passes over coastal Louisiana before moving eastward (see storm path below).

Hurricane Juan's Storm Track

Hurricane Juan consisted mainly of large amounts of rainfall dropped over a short period of time. Rainfall totals for southern Louisiana ranged from 10 to 15 inches accounting for the extreme amount of flooding. Greater than 11 inches of rainfall were recorded in Houma over a four day period. A combination of storm surge and extraordinary rainfall led to extensive flooding damage throughout the parish. The flooding caused significant losses to agricultural crops, and hundreds of homes and businesses were flooded in Terrebonne Parish. A map of inundation for Hurricane Juan is shown in Attachment c2-17 (page 86).

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

Hurricane Andrew's Storm Track

Terrebonne Parish was located on the eastern side of the storm's eye wall and therefore sustained widespread damage. The damage was caused by a combination of high winds and storm surge (9 feet recorded in Terrebonne Bay). Notable effects included estimated losses of 25% of the parish's sugarcane crop, extensive power outages, and inundation of several hundred homes by flood waters. Flooded communities included Pointe aux Chene, Chauvin, Dulac, Montegut, Isle de Jean Charles, and Dularge. A map of the inundation caused by Hurricane Andrew in Terrebonne Parish is included as Attachment c2-18 (page 87). The following graphic illustrates the magnitude of the storm's surge on Louisiana's central coastline.

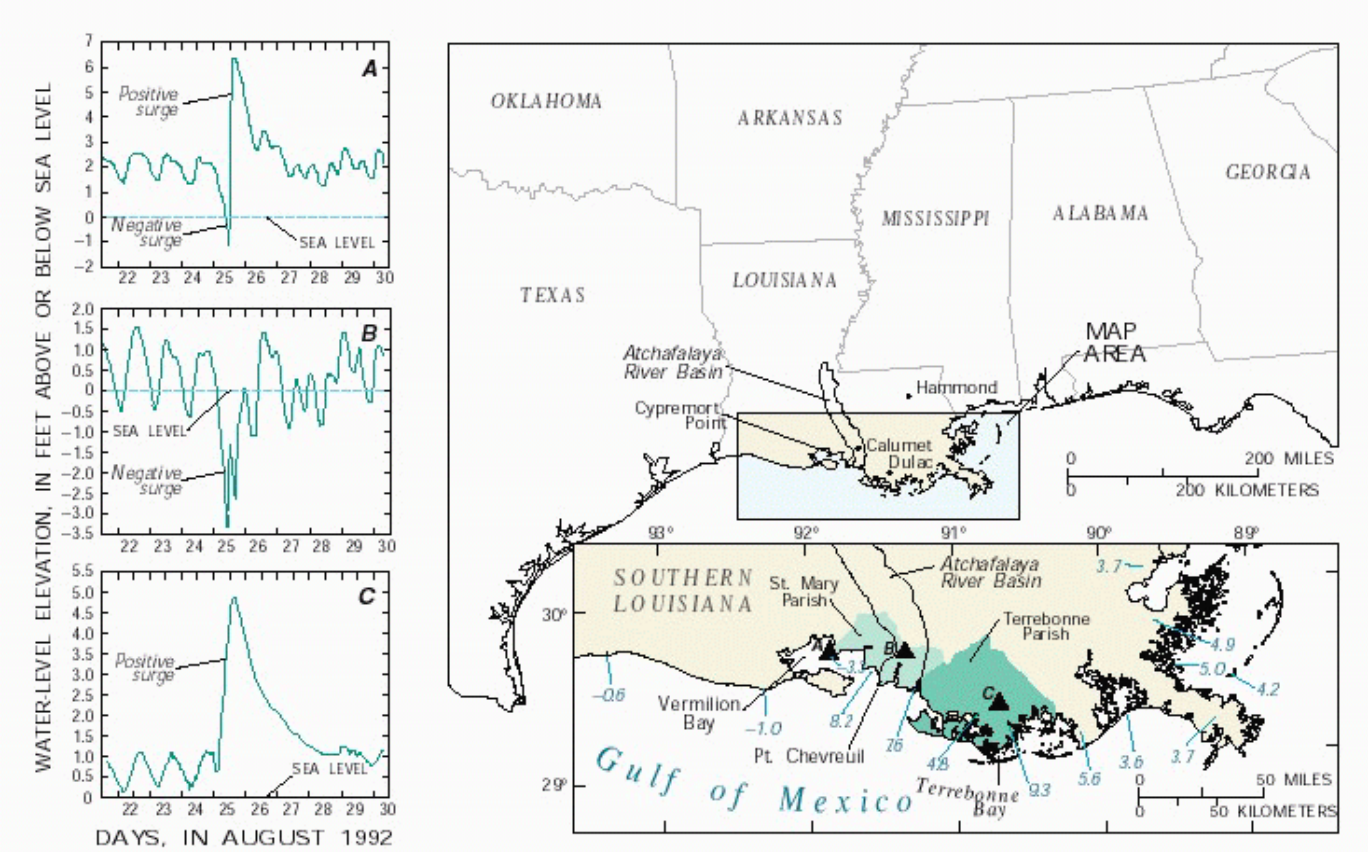


Figure. 59. Storm-surge elevations, in feet above or below sea level, at selected points along the coast of Louisiana. Graphs indicate water levels at sites. ***A***, Vermilion Bay, near Cypremont Point; ***B***, Wax Lake outlet, at Coleman; ***C***, Houma Navigation Canal , at Dulac. *(Source: Data from U.S. Geological Survey files.)*

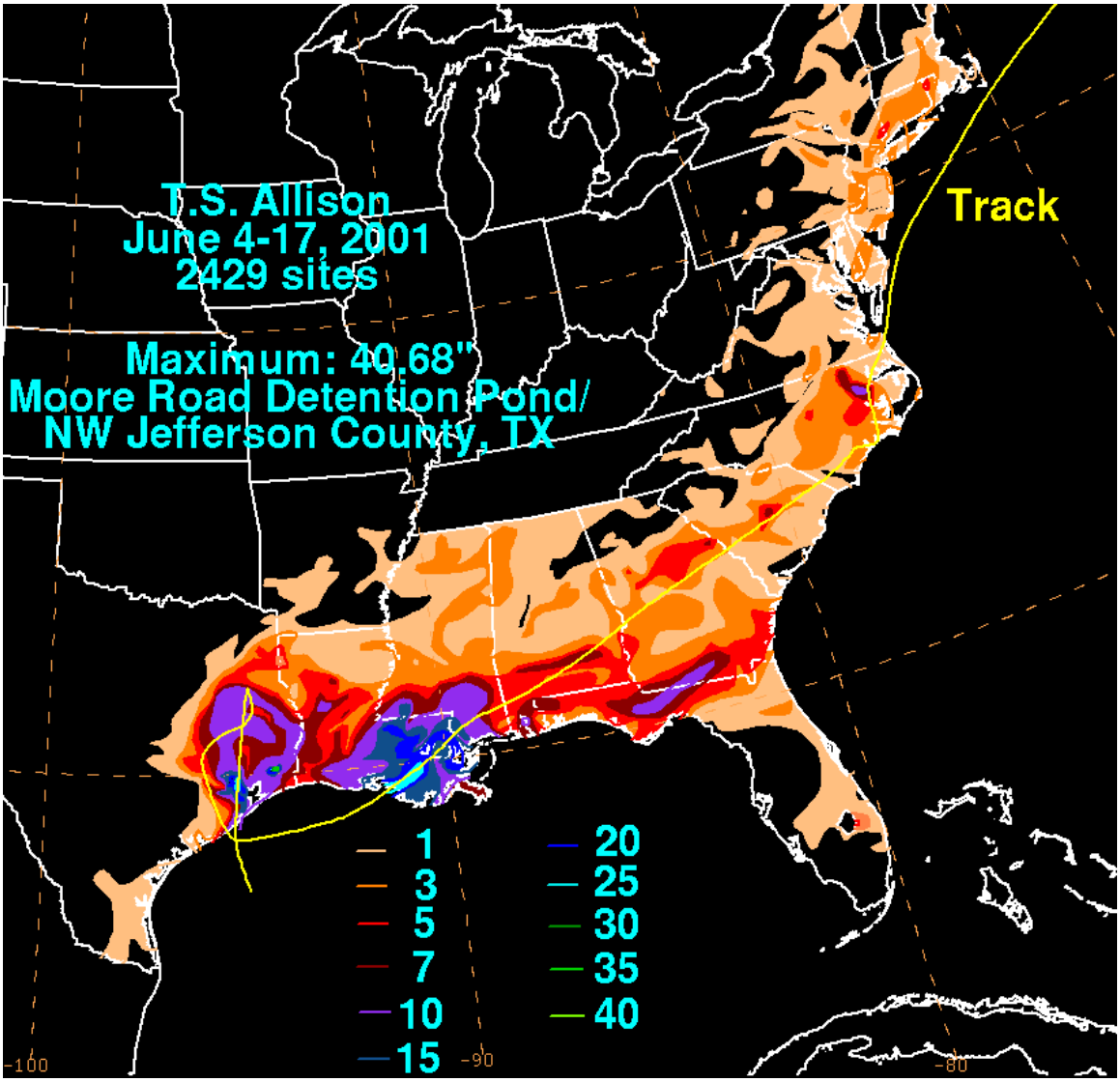
Illustration of Hurricane Andrew's Storm Surge

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, 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. Many areas in southeast Louisiana received as much as 20" of rain over three days.

Isolated areas, including many in Terrebonne Parish, reported rainfall totals approaching 35 inches as a result of the storm. The community of Schriever in northern Terrebonne Parish experienced 30 inches of rain. The end result was that 131 homes in the parish were damaged or destroyed by flood waters, and 25,000 residents were displaced as a result of high water. 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. A map of the inundation caused by Tropical Storm Allison in Terrebonne Parish is included as Attachment c2-19 (page 88).



Tropical Storm Allison's Storm Track and Rainfall Data

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 below.

Hurricane Lili's Storm Track

The storm was responsible for damages associated with both wind (greater than 78 miles per hour) and storm surge (6 to 8 feet) in Terrebonne Parish. The strongest effects of the storm were experienced in the southern portion of the parish. Damage included widespread power outages, destruction of approximately 35% of the parish sugarcane crop, substantial damage of more than 300 homes, and breached levees. The extent of parish inundation caused by the storm is displayed in Attachment c2-20 (page 89) at the end of this section.

Hurricane Katrina (2005)

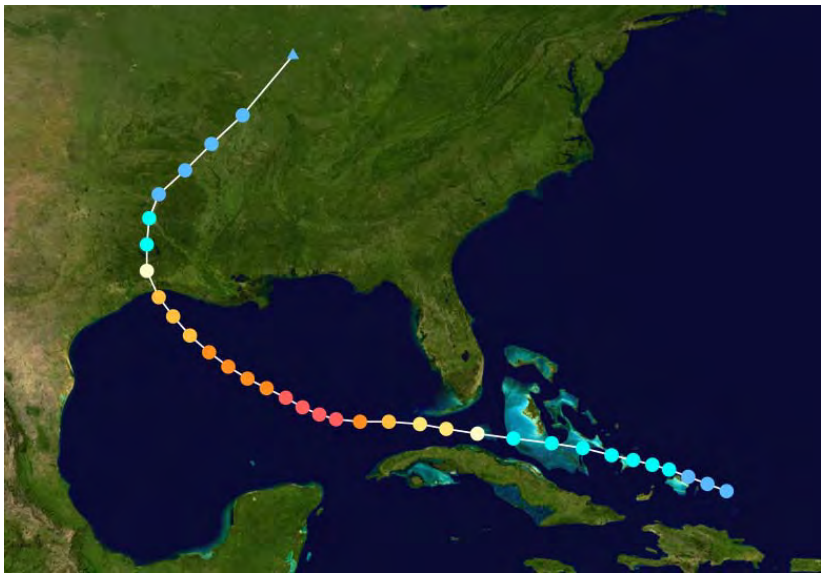
After crossing southern Florida, Hurricane Katrina made U.S. landfall for the second time on August 29, 2005, near Buras/Triumph, Louisiana. The hurricane was a Category 3 storm with wind speeds of 125 miles per hour. Hurricane Katrina was the most damaging natural disaster in U.S. history with an estimated $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, Terrebonne 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.

Hurricane Katrina's Storm Track

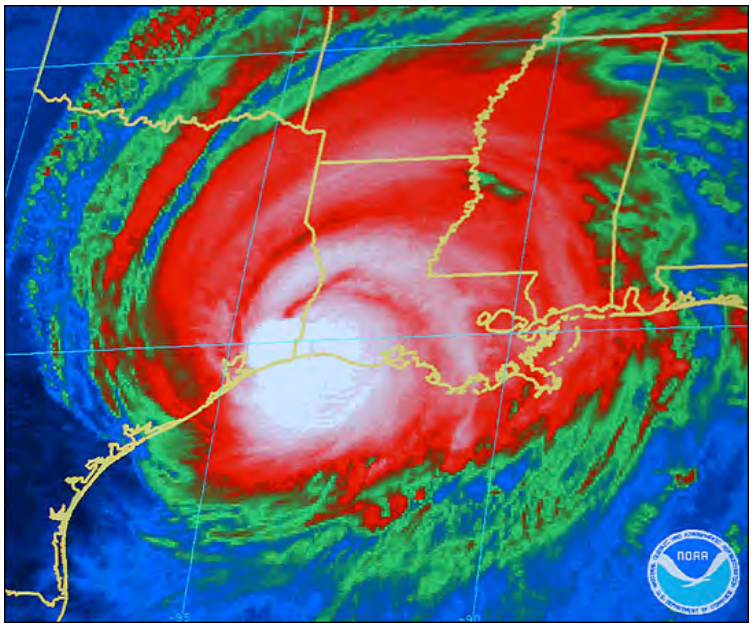
Hurricane Rita (2005)

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.



Hurricane Rita's Storm Track

Hurricane Rita caused an estimated $10 billion in damages. Despite the fact that the eye of the storm made landfall approximately 190 miles west of Houma, Hurricane Rita had a significant impact on Terrebonne Parish—much more than did Hurricane Katrina. The impact was largely a result of storm surge that caused extensive flooding, primarily south of Houma. Reportedly, all levees south of the Intracoastal Canal were breached and more than 10,000 homes and businesses were flooded. The Rita inundation map is presented as Attachment c2-21 (page 90).



Satellite Image of Hurricane Rita

Cattle Round-up after a Levee Break in Chauvin, Louisiana

SALT WATER INTRUSION

The parish obtains its water supply from three different sources. At each intake, a separate treatment facility purifies the water for distribution. The location of each plant is provided on a map of the critical facilities associated with potable water included as Attachment c2-14 (page 83). A brief description of each source follows.

Schriever Water Treatment Plant—Pumps acquire water from Bayou Lafourche which obtains most of its water from the Mississippi River at Donaldsonville.

Houma Water Treatment Plant No. 1—The primary source of water for this treatment plant is surface water pumped from the Gulf Intracoastal Waterway (GIWW). The GIWW is fed by a combination of sources including stormwater runoff, Mississippi and Atchafalaya River influences, and tidal functions.

Houma Water Treatment Plant No. 2—Surface water pumped from Bayou Black serves as the secondary or backup supply of water for the GIWW when excessive chloride (salt) concentrations are detected in the GIWW.

In the case of a strong northward tidal push resulting from sustained south winds (as is the case in a tropical storm or hurricane event), all the parish potable water intakes are jeopardized by salt water from the Gulf of Mexico, especially at Houma Water Treatment Plant No. 1. Numerous instances have been documented instances when the City of Houma resorted to its secondary potable water intake at Houma Water Treatment Plant No. 2 because of chloride concentrations in excess of the U.S. EPA's regulatory threshold of 250 parts per million. An example of this occurred following the storm surge of Hurricane Rita. As saltwater intrusion is a result of hurricane storm surge, one can assume the probability of the occurrence to be the same as a hurricane in any given year, or 28%. As the water supply does have a backup source, the losses of the past saltwater intrusion occurrences are difficult to quantify for the purposes of this HMPU. If both water intakes were to be exposed to saltwater intrusion, resulting in water having to be trucked in, the cost would exceed millions of dollars.

LEVEE FAILURE and PUMP STATIONS

As previously discussed in Section II of this HMPU, hurricane protection levees are virtually non-existent in Terrebonne Parish. Instead, the parish relies on levees of minimal height (typically 2 to 8 feet) to force water to drain in certain patterns. These levees are no match for tropical storm or hurricane induced surge waters. Therefore, parish levees essentially fail with every storm that makes landfall in the vicinity, including most recently Hurricane Rita. All levees in the parish are maintained by the Terrebonne Levee & Conservation District. No USACE certified levees were noted in the parish.

Pump stations are also a major consideration in the parish. According to information provided by the Terrebonne Parish Department of Public Works (DPW), 157 individual pumps are dispersed throughout the parish. These pumps serve as critical

components of the parish flood protection system as they facilitate the movement of storm water out of developed areas, over drainage levees, and into the surrounding bayous, canals, and marshes. A detailed inventory of pump stations in the parish follows. In addition, the broad range of pump systems is graphically depicted in the following photos.

Levee and pump station D-25 in Montegut.

			TOTAL FLOW				
PUMP #	LOCATION	ACRES	GPM	CFS	# OF ENGINES	PUMPS	PUMP SIZE
D-01	POINT-AUX-CHENE (4-3A)	34	10250	23	1 diesel engine	1	1-20"
D-02	LOWER MONTEGUT (4-8)	1120	124000	276	4 diesel engines	4	4-36"
D-03	UPPER MONTEGUT (4-1)	4526	93000	207	3 diesel	3	3-36"
D-04	LOWER LITTLE CAILLOU (5-1A)	1887	93000	207	3 diesel engines	3	3-36"
D-05	UPPER LITTLE CAILLOU (5-1B)	2567	124000	276	4 diesel engines	4	4-36"
D-06	BOUDREAUX CANAL (5-2)	26	26000	58	1 diesel and 1 electric	2	1-16" & 1- 24"
D-07	SMITHRIDGE (4-2A)	7278	204000	455	3 diesel and 1 electric	4	4-48"
D-08	UPPER GRAND CAILLOU (3-1B)	266	62000	138	1 diesel and 1 electric	2	2-36"
D-09	ASHLAND (1-2)	641	16450	37	2 diesel and 1 electric	3	2-36" & 1-20"
D-10	MAYFIELD (3-2)	1811	62000	138	2 diesel	2	2-36"
D-11	LOWER GRAND CAILLOU (3-1C)	425	62000	138	1 diesel and 1 electric	2	2-36"
D-12	WOODLAWN RANCH ROAD (1-5)	5500	510000	1136	9 diesel and 1 electiric	10	10-48"
D-13	INDUSTRIAL BLVD. (1-3)	476	123250	275	3 diesel and 1 electric	4	2-36",& 1-20" & 1-48"
D-14	SCHRIEVER (BY SCHOOL)	N/A	10250	23	1 electric motor	1	1-20"
D-15	DEADWOOD (UNDER TRACKS)	1	1500	3	1 electric motor	1	1-4"
D-16	GIBSON (6-1A)	1953	93000	207	3 diesel engines	3	3-36"
D-17	DONNER (6-2A)	940	31000	69	1 electric over diesel engine	1	1-36"
D-18	UPPER BAYOU DULARGE (8-2D)	2120	93000	207	3 diesel engines	3	3-36"
D-19	LOWER BAYOU DULARGE (8-1)	1880	93000	207	3 diesel engines	3	3-36"
D-20	GRAND BOIS	43	10250	23	1 electric motor	1	1-20"
D-21	EVEST ST. (3-1B)	204	62000	138	2 diesel engines	2	2-36"
D-22	M & L (1-8)	502	153000	341	3 diesel engines	3	3-48"
D-23	TEXAS GULF ROAD (4-6)	894	16450	37	2 diesel and 1 electric	3	2-36" & 1-20"
D-24	BAROID (1-7)	189	48000	107	2 electric over diesel	2	2-30"
D-25	MONTEGUT (4-8)	*	31000	69	1 diesel engine	1	1-36"
D-26	SUNRISE/ Tina Street (8-2A)	38	16000	36	1 diesel and 1 electric	2	2-16"
D-27	BONANZA (1-1A)	2856	184000	410	3 diesel and 1 electric	4	3-48" & 1-36"
D-28	SCHRIEVER (HWY. 20) (2-1A)	2113	184000	410	2 diesel, 1 diesel over electric, & 1 electric	4	3-48" & 1-36"
D-29	SUMMERFIELD (2-1B)	751	153000	341	3 diesel	3	3-48"
D-30	DEADWOOD (IN SUBD.) (6-1C)	38	41250	92	1 diesel engine & 1 electric	2	1-36" & 1- 20"
D-31	CHACAHOULA	234	26000	58	2 diesel engine	2	1-16"& 1 -24"
D-32	DONNER EXT. (6-2A)	*	31000	69	1 diesel over electric	1	1-36"
D-33	ST. LOUIS CANAL (1-1B)	*	5600	12	1 electric motors	1	1-14"
D-34	GIBSON WATER TOWER (6-1B)	170	8000	18	1 diesel engine	1	1-16"
D-35	GIBSON RECREATION	*	10250	23	1 diesel engine	1	1-20"
D-36	CANE BREAK	25	10250	23	1 electric motor	1	1-20"
D-37	CROZIER DRIVE (8-2A)	12	6400	14	1 diesel & 1 electric over diesel	2	2-12"
D-38	CONCORD ROAD	286	62000	138	2 diesel engines	2	2-36"
D-39	BARATARIA STREET	237	86000	192	2 diesel and 1 electric	3	2-36" & 1-30"
D-40	CENAC STREET	*	16000	36	1 electric over diesel &1electric	2	2-16"
D-41	WILLIAMS AVENUE	*	62000	138	2 diesel	2	2-36"
D-42	BAYOU BLACK MARINA	201	10250	23	1 electric motor	1	1-20"
D-43	CROZIER ROAD (8-2A)	87	18000	40	1 electric motor	1	1-24"
D-44	CAVALIER TRAILER PARK	61	8000	18	1 Diesel	1	1-16"
D-45	TIGER BAYOU	9	1500	3	1 electric motor	1	1-8"
D-46	BAYOU DULARGE (VOISIN)	1060	18000	40	1 diesel	1	1-24"
D-47	ARAGON ROAD (4-2B)	*	82000	183	2 diesel engines	2	1-48" & 1-36"
D-48	DEADWOOD "C"	14	8000	18	1 electric over diesel	1	1-16"
D-49	DEADWOOD "D"	2	1500	3	1 electric motor	1	1-8"
D-50	GREENWOOD	145	21200	47	1 diesel and 1 electric	2	1-24 & 1-12"
D-51	LIRETTE STREET (6-3)	38	3000	7	2 electric motor	2	2- 8"
D-52	KRAEMER/MAPLEWOOD (1-1B)	*	20500	46	1 electric and 1 diesel engine	2	2-20"
D-53	ELLENDALE	161	62000	138	1 electric and 1 diesel engine	2	2-36"
D-54	HIGHRIDGE	82	10250	23	1 electric motor	1	1-20"
D-55	GERALDINE ROAD	137	3200	7	1 electric motor	1	1-12"
D-56	MADISON	266	102000	227	2 diesel engines	2	2-48"
D-57	1-1B	17515	408000	909	8 diesel engines	8	8-48"
D-58	1-1B Coteau	*	510000	1136	10 diesel engines	10	10-48"
D-59	LECOMPTE LANE	10	3200	7	1 diesel engine	1	1-12"
	DULARGE WATER CONTROL		31000	69	1 diesel engine	1	1-36"
D-60	ASHLAND NORTH	296	18000	40	2 Diesel engine	1	1-24"
D-61	Hwy. 665 Point-aux-chene (4-3B)	91	36000	80	2 Diesel engines	2	2-24"
D-62	ISLE DE JEAN CHARLES (4-3C)	54	36000	80	2 Diesel engines	2	2-24"
D-63	ISLE OF CUBA ROAD (2-1A)	*	51000	114	1 Diesel engine	1	1- 48"
D-64	LAKE CRESCENT	51	6400	14	2 Hydraulic diesel	2	33
D-65	COMPANY CANAL ROAD		10250	23	1 Diesel	1	43
D-66	GIBSON POST OFFICE		3200	7	1 Electric	1	1 -12"
D-67	BUDDY'S TEXACO -PORTABLE		41000	91	1 Hydraulic diesel	1	1 -42"
D-68	HEBERT ST. - PORTABLE	*	8000	18	1 Hydraulic diesel	1	1-16"
D-69	POINTE-AUX-CHENES (4-1)	*	93000	207	3 Diesel engines	3	3-36"
		* D-25 & D-2 pump the same system					
		* D-32 & D-17 pump the same system					
		* D-33, D-40, D-41, D-52, D-57, D-58 & D-68 pump the same system					
		* D-35 & D-34 pump the same system					
		* D-63 & D-28 pump the same system					
		* D-69 & D-3 pump the same system					

Source: Terrebonne Parish Department of Public Works

Pump Station D-58 in Coteau

Pump Station D-45 in Tiger Bayou

The forced drainage levees and the drainage pumps combine to form 61 individual drainage systems. These systems or areas are managed by the Terrebonne Parish Department of Public Works. A map depicting the drainage areas is presented as Attachment c2-3 on page 72.

Levee failure has had devastating effects on Terrebonne Parish as evidenced by past storm events—Hurricane Rita being the most recent. Levee failure essentially inundates all areas south of Highway 182 during every occurrence. This hazard will persist with each passing storm until a levee system designed for true hurricane protection is constructed. As levee failure or overtopping has historically been a result of hurricane related storm surge, one can assume the probability of the occurrence to be the same as a hurricane in any given year, or 28%.

TORNADOES

Although no federal disasters have occurred in Terrebonne 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.

Fujita Tornado Measurement Scale		
Category	**Wind Speed**	**Examples of Possible Damage**
F0	Gale (40-72 mph)	Light damage. Some damage to chimneys; break branches of trees; push over shallow rooted tress; damage to sign boards
F1	Moderate (73-112 mph)	Moderate damage. Peel surface off roofs; mobil homes pushed off foundations or overturned; moving autos pushed off roads.
F2	Significant (113-157 mph)	Considerable damage. Roofs torn off frame houses; mobile homes demolished; boxcars pushed over; large trees snapped or uprooted; light-object missiles generated.
F3	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.
F4	Devastating (207-260 mph)	Devastating damage. Well-constructed houses leveled; structures with weak foundations blown off some distance; cars thrown and large missiles generated.
F5	Incredible (261-318 mph)	Incredible damage. Strong frame houses lifted off foundations and carried considerable distance to disintegrate; automobile sized missiles fly though air in excess of 100 yards; trees debarked; incredible phenomena will occur.

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: http://www.fema.gov/hazards/tornadoes**

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

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.

Terrebonne Parish is most vulnerable to the effects of tornadoes during severe tropical storms and hurricanes. Some structural mitigation actions have been identified which will reduce damages caused by tornadoes; however, some wind mitigation actions identified under the hurricane hazard may also lessen the effects of tornado-force winds. Historical occurrences of tornadoes are detailed in the table to follow.

Terrebonne Parish Tornado History
1957-2007

Date	Type	Magnatude	Inj	Property Damage
5/11/1959	Tornado	F0	0	$0
11/22/1961	Tornado	F2	0	$3,000
9/6/1967	Tornado	F1	0	$25,000
11/1/1977	Tornado	F1	0	$25,000
11/8/1977	Tornado	F1	2	$250,000
7/9/1982	Tornado	F0	0	$3,000
2/12/1984	Tornado	F1	0	$250,000
11/16/1987	Tornado	F1	0	$250,000
7/24/1988	Tornado	F1	0	$25,000
3/29/1990	Tornado	F1	7	$250,000
5/28/1990	Tornado	F0	0	$0
11/1/1991	Tornado	F1	0	$250,000
11/20/1992	Tornado	F1	0	$3,000
1/17/1994	Tornado	F0	0	$5,000
1/18/1995	Tornado	F1	0	$250,000
8/24/1998	Tornado	F0	0	$0
1/2/1999	Tornado	F1	0	$700,000
3/15/2000	Tornado	F2	36	$10,000,000
8/31/2000	Tornado	F0	0	$0
12/13/2001	Tornado	F1	0	$100,000
3/31/2002	Tornado	F1	0	$75,000
10/3/2002	Tornado	F1	0	$25,000
7/6/2004	Tornado	F0	0	$5,000
11/2/2004	Tornado	F0	0	$2,000
11/27/2004	Tornado	F1	0	$50,000
3/14/2007	Tornado	F0	0	$5,000
12/26/2007	Tornado	F0	0	$25,000
		TOTALS	**45**	**$12,576,000**

The parish has not had any federally declared disasters due to a tornado alone. Climate data from the NOAA reports 28 tornadoes within Terrebonne Parish between the years 1957-2007 with an annual probability of fifty-six percent. All 43,037 structures in the parish are vulnerable to some sort of tornado damage at any given time. One can estimate that the average annual losses for a tornado would average $247,520, based on historical losses from the NOAA. For this reason, the committee agreed to assign the Terrebonne Parish at a medium risk for tornadoes. All wind related mitigation actions can be found in Attachment c3-1 on page 152.

LAND SUBSIDENCE

Land subsidence in Terrebonne Parish can be defined as the loss of surface elevation due to the loss of subsurface density. Subsidence in the developed areas of Terrebonne Parish has been measured to be an average of 1 foot of loss of elevation every 100 years and the probability of continued subsidence is 100%. It is assumed that subsidence has always occurred in Terrebonne, but because seasonal flooding and the sediment associated with it has been limited by water control structures, the natural balance has been adversely affected by man made structures. Subsidence is caused by a diverse set of human activities and natural processes. Those two causes are profiled below.

Natural Causes

Collapse of surface materials into underground voids is the most dramatic form of subsidence. In Terrebonne Parish, it is presumed that the removal of oil and gas deposits have caused most of the subsidence-related voids in this area. The area most affected by this process has been the wetlands. In the early part of the 20th century, this area was found to be rich in oil and gas, and significant amounts of these resources were removed from the wetlands.

In addition, tides and heavy storms in the Gulf are eroding Louisiana's marshy coastline at an alarming rate. Coastlines in southern Terrebonne Parish are sinking or eroding away with incoming water eating at the marshes and wetlands that buffer and drain the higher drier land. Parts of Louisiana's coastal evacuation routes are indeed vulnerable to storm flooding.

Land Subsidence has been measured and is a hazard throughout all areas of the Parish. Subsidence has been more extreme in the southern portion of Terrebonne Parish. The areas above the Intracoastal Canal have measured subsidence levels which are less extreme than the southern part of the Parish.

Man-made Causes

Two related factors contributing to subsidence in Terrebonne Parish have been the disconnection of Bayou Terrebonne to the Mississippi River and the introduction of levee systems. The construction of levee systems with forced drainage has eliminated natural river sediment functions from occurring. These forced drainage areas have essentially dried out and compacted at a higher rate than surrounding areas, causing subsidence within the levee system. These risks are most prominent in the Southern region of Terrebonne Parish, south of the Intracoastal Canal but areas to the north have been affected, to a lesser extent. Maximum rates measured by geodetic surveys are approximately 0.5 inches per year.

All states with low-lying coasts are vulnerable to accelerated sea-level rise, but Louisiana's coast is much more so because of the subsidence of the Mississippi River delta. Until humans intervened, the surface elevation of the broad delta complex had kept pace with rising sea level for several thousand years, largely because the river built delta lobes and nourished wetland vegetation. The rates of natural subsidence and sea-level rise along the Louisiana coast have been exacerbated by human modifications, primarily levees which have isolated the Mississippi River from a delta complex that depends on an annual flooding cycle. These modifications cut off the delta-building process of the river. Louisiana's coastal system has also been heavily impacted by channels dug for navigation and mineral extraction, which have allowed high-salinity Gulf waters to migrate inland. Over a million acres of coastal land have been lost since the 1930s, and between 25 and 35 square miles continue to be lost each year. Louisiana's coastal ecosystems are threatened with systemic collapse.

Areas of Terrebonne Parish, as described above, face a High risk of continued subsidence in years to come. Terrebonne Parish is highly vulnerable to continued subsidence due to its close proximity to the surrounding wetlands, highly organic soils, and dependence on forced drainage systems which remove water from localized areas. All 43,037 structures in the parish are vulnerable to the effects subsidence including agricultural, commercial, government, industrial, residential, religious/non-profit, and schools. Loss estimates for strictly subsidence are not practical for the purposes of this plan, but since subsidence heightens the effects of flooding, one can assume subsidence increases flood losses by 0.01% per year. The subsidence related losses equal $52,899 per year, in addition to the flood losses detailed earlier in this section.

The risk assessment process was developed using data from past hazard events, existing and future land use data, parcel data from the parish assessor's office, FEMA flood maps, and FEMA repetitive loss structures. The land use map used for this purpose is displayed in Attachment c2-6 (page 75) of this section.

Once all data was compiled and mapped, a final risk assessment map of three separate assessment methodologies was created as a composite. Of the data that could be mapped, flooding was the dominant concern. High winds generated by hurricanes, as well as levee failure, are parishwide concerns.

The four individual risk assessment analyses include: (1) the 100-year flood plain based on DFIRMs and the data included therewith, (2) risk assessment based on past storm events, (3) levee failure, and (4) FEMA repetitive loss structures. A summary of the approach utilized in each independent map of the composite series is noted below.

(1) 100-Year Flood Plain—FEMA DFIRMs

The 100-year flood plain map was developed using FEMA FIRM data and GIS software. Since a majority of the parish is within the 100-year flood plain, this mapped data, along with the ABFEs, was used in evaluating those parts of the parish prone to present and future flood damage. This map depicts areas of the parish 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 73) at the end of this section.

(2) 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, and Hurricane Rita.

The approach and methodology was 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 c2-16 through c2-21 (pages 85 through 90) at the end of this section.

(3) Levee Failure

The third risk assessment technique utilized in the preparation of this plan was based on catastrophic, parishwide 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. Parishwide levee failure map is displayed as Attachment c2-25 (page 98).

(4) FEMA Repetitive Loss Structures

The fourth independent vulnerability assessment mapping task was based on the FEMA repetitive loss structures inventory. According to parish officials and GOHSEP representatives, as of January 2009 Terrebonne Parish has a total of 1,837 repetitive loss structures, 146 of which are on the FEMA Severe Repetitive Loss list. A Severe Repetitive Loss is defined as a residential property with at least four National Flood Insurance Program (NFIP) payments over $5,000 and the cumulative amount exceeds $20,000 or at least two separate claims payments have been made with the total payments exceeding the market value of the building (FEMA 2004). This data was useful in (a) determining which residential, critical facilities, 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 c2-23 (page 92). Findings noted significant vulnerability throughout the inhabited areas of the parish.

The final Terrebonne Parish Risk Assessment Map is a composite of the four mapped data sets outlined above. Composite risk assessment maps are displayed as Attachments c2-24 through c2-24.4 (pages 93 through 97) at the end of this section.

As noted in Attachment c2-4 (page 73), the majority 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, the land comprising the meandering ridges of various bayous that converge in Houma in the northern portion of the parish are readily discernable. This layered combination shows the vulnerable areas in the parish.

Even with the magnitude of technical data used, the most accurate and objective data inventoried was that of specific repetitive losses. As previously stated, the parish has greater than 1800 repetitive loss structures that are dispersed throughout the inhabited areas of the parish. Areas south of Houma are highly susceptible to storm surge while areas in and north of Houma are more likely to be impacted by a combination of storm water and poor drainage.

a. §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, HAZUS, and the parish tax assessor's office 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

Worksheet #3A (Attachments c2-26.3 on page 101 of this section) 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—flood events, levee failure, and hurricanes. For reasons that have been heretofore established, i.e. lack of storm protection levees, the hazard areas for levee failure and the flood hazard scenario is identical in Terrebonne Parish. Therefore, the numbers represented in each scenario are also identical.

While collecting and researching the data within this worksheet, several information sources were utilized including HAZUS, mapped data from parish sources, 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 tract map from HAZUS was overlaid onto the 100-year flood plain and risk assessment maps. Three iterations of Worksheet 3A were created based on the data source. One version was created from HAZUS, one is from parish land use and tax assessor data, and the final version represents a composite of the first two versions. The composite was necessary to account for differences in the data sets. The worksheets are represented as Attachments c2-26.1 through c2-26.9 (pages 99 through 107). The following summary represents the information provided in composite version of Worksheet #3A.

A total of 41,798 structures in the parish with an estimated value of $5,760,645,040 were noted. An estimated 23,814 of these with a value of $3,494,344,815 are in the hazard area. The total of the residential population within Terrebonne Parish is 104,503, and 76,334 or 73% of these are in the hazard area.

Residential

The residential classification of Terrebonne Parish is the largest building group within the parish. Data indicates 37,103 structures (dwelling units) with an estimated value of $3,966,850,390. Of these buildings, 60% are located in the hazard area with an estimated value of $2,373,508,715.

Commercial

Commercial buildings number 2,887 in the parish. The estimated value of these buildings is $1,010,900,100, and 60% of the buildings are located in the hazard area. The value of these improvements is estimated at $610,412,800.

Industrial

The industrial classification of the parish consists of 820 buildings with an estimated value of $304,431,475. Of the buildings noted, approximately 70% are in the hazard area with an estimated value of $247,963,350.

Agricultural

In the agricultural class, 104 buildings exist with an estimated value of $23,133,000. Of these, approximately 72% are in the hazard area and have an estimated value of $19,597,000. 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 188 with an estimated value of $127,108,000. In this classification, it was estimated that 70% of the buildings are in the hazard area and have an estimated value of $88,050,000.

Government

Government buildings in the parish total 631 with an estimated value of $261,337,075. Approximately 43% of these buildings are located in the hazard area and have an estimated value of $97,304,950.

Educational

Educational structures number 66 having an estimated value of $66,885,000. Of these buildings, 79% are within the hazard area with an estimated value of $57,508,000.

Critical Facilities of the Parish

A detailed list of 208 critical facilities for the entire parish is seen in Attachment c2-27 (pages 108-113). This list was compiled according to the following pre-defined groups:

- Essential facilities
- Lifeline utility systems
- Other important facilities

This information was gathered from sources including HAZUS, parish tax assessor data, and interviews with Terrebonne Parish government officials. After the list of critical facilities for the entire parish was completed, the HMPU committee reviewed the list and made the necessary changes. The critical facility maps are displayed in Attachments c2-7 through c2-14 (pages 76 through 83) at the end of this section.

Although this list includes only critical facilities, it was decided that any repetitive loss structures, including residential properties, should also be considered during the

mitigation planning. However, the repetitive loss structures could not be listed on the same table as the critical facilities because of the inability to determine values such as contents or function value or displacement costs as needed in the final critical list table. 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 areas truly at risk. 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 c2-28 (pages 114-119) at the end of this section.

WORKSHEET 4

Using the aforementioned critical facilities list, HAZUS replacement value data, GIS models, and input from HMPU committee members, FEMA Worksheet 4 loss estimates were compiled (as presented in Attachments c2-30 and c2-31, pages 141-150) for composite risk flood events and hurricanes.

Using historical high water 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 were $1.5 billion for the composite flood events risk area and $1.7 billion for hurricanes. Detailed cost estimates for each critical facility can be found in Attachments c2-30 and c2-31, pages 141-150.

b. §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. The vulnerable structures and facilities were identified earlier in section §201.6 (c)(2)(ii)(A). As seen in Attachment c2-29 (pages 120-140) at the end of this section, 1,837 repetitive loss structures exists within Terrebonne Parish and 146 are on the Severe Repetitive Loss List. As noted previously, all FEMA repetitive loss data was gathered from GOHSEP, FEMA Region IV, and the parish. Efforts to identify accurate addresses were exhaustive.

The repetitive loss structures map is displayed in Attachments c2-23 (page 92). Repetitive loss structures are also depicted on all risk assessment maps (Attachments c2-24 through c2-24.4 on pages 93-97). Supporting data was gathered from GOHSEP. 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, Commercial, and Critical Facilities):** 4,742 total losses with a total average insurance pay of $32,690.41 per event.

Flood Insurance and Community Rating System

Terrebonne Parish participates in both the National Flood Insurance Program (NFIP) and the Community Rating System (CRS). The tables below provide details regarding NFIP and CRS participation.

NFIP Participation in Terrebonne Parish

CID	Community Name	Initial FHBM Identified	Initial FIRM Identified	Current Effective Map Date	Reg-Emer Date	Tribal
225206	Terrebonne Parish	NA	11/20/1970	04/02/92	11/20/70	No

This information was obtained from FEMA's Community Status Book – www.fema.gov/cis/LA.html

CRS Participation in Terrebonne Parish

Community Number	Name	CRS Entry Date	Current Effective Date	Current Class	% Discount for SFHA	% Discount for Non-SFHA	Status
225206	Terrebonne Parish	10/1/92	10/1/92	8	10	5	C

This information was obtained from FEMA's Community Rating System – www.fema.gov/library/viewrecord.do?id-3629

c. §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 Hazard Mitigation Plan.

From 1980 to 2000, the parish population increased from 94,393 to 104,503. In October 2003, when the parish government completed its comprehensive master plan (CMP), it was envisioned that the population would continue to experience positive growth. As previously mentioned, the U.S. Census Bureau estimates that the parish's 2006 population was 109,348. According to the CMP, a 2020 population of approximately 119,545 residents is expected.

With this in mind, it is anticipated that residential areas that existed in the 1980s will accommodate expected growth. However, subdivision of land holdings and resulting new home sites has continued at a minimal rate in some areas and a more accelerated rate in others. As more impervious surfaces are constructed with the increased development, runoff rates will increase and enhanced pumping capacity may become a concern. At this time, and in the foreseeable future, this is considered significant.

The CMP segregates the parish into 18 development zones (illustrated in Attachment c2-32, page 151) and provides a brief discussion of the anticipated population changes within each zone as well as existing influences or issues that impact the population trends. This discussion provides a better understanding of anticipated migration patters within the parish. The following discussion was obtained from the October 2003 Terrebonne Parish CMP.

Development Zone 1 (Montegut)

The twenty-year projection for this zone is a 9.4 % decrease in population. This is consistent with current out-migration trends and strategic retreat posed by increased risk of flooding which limits the available land for development. Most current residents in these areas live there because of the commercial fishing, family heritage, or because of easy access to the wetlands in this area.

Development Zone 2 (Bourg)

The twenty-year population forecast for this zone is a 26.4 % increase in population. This is consistent with current trends of in-migration. This area is attractive to residents because of availability of residential neighborhoods and less risk of flooding.

Development Zone 3 (Chauvin)

A 7.9% decrease in population is predicted for this zone over the next twenty-years. It appears the out-migration documented in this area will continue based on flooding concerns, and available, protected property elsewhere.

Development Zone 4 (Grand Caillou)

Population is projected to increase in this zone by 30% over the next twenty years. This increase will most likely occur in the northern region of this development zone. The lower areas of this zone are vulnerable to the same flooding events that affect the previously discussed low lying areas. However, the northern portion of this development zone includes a substantial mobile home community. This region was developed quickly in the early 1980's. When the oil and gas economy declined later in the '80s, the land was difficult to market. Although, FEMA has tightened elevation requirements in this zone, mobile homes are generally placed approximately 4 feet above the natural ground meeting the FEMA requirements. This area is expected to continue to develop.

Development Zone 5 (Dularge)

An 8.1% decrease in population is predicted in this zone during the next twenty years. This is a bayou community, and population changes will be affected by issues similar to Development Zones 1 and 3.

Development Zone 6 (East Houma)

A very small increase (0.6%) in population is projected in the next twenty years. This minimal growth is because adequate housing exists and little space for further residential development is available.

Development Zone 7 (South Industrial)

The projection is for a 7.9% decrease in population for the next twenty years. This area is dominated by industrial development with only minor areas dedicated to residential development. It is anticipated that over time, those few residents will move or will not expand their households.

Development Zone 8 (North Industrial)

The projection is for an increase by 13.2% over the next twenty years in this zone. This increase is attributed to the availability of developable land and the recent conversion of agricultural areas to residential use.

Development Zone 9 (Schriever)

This zone has witnessed considerable growth over the last ten years, and the population is expected to grow by 26.8% over the next twenty years. This area has vast amounts of available land suitable for development and has been positively impacted by the completion of U. S. Hwy 90. The area offers residents the ability to locate in an urban setting while still enjoying a rural life that is relatively safe from storm surge.

Development Zone 10 (Upper Bayou Blue)

The current population is projected to expand by 35.9% in the next twenty years in this zone. This area has been positively impacted by the opening of Bayou Gardens Boulevard which provides easier access to a major retail center (Southland Mall).

Development Zone 11 (Bayou Cane)

Population is expected to grow at a moderate 13.8% rate over the next twenty years. The region is presently well-developed, but large tracts of land that can be developed remain available.

Development Zone 12 (Hwy. 311)

This is the fastest growing zone in the parish with a projected 79.2% population increase in the next twenty years. Reasons for the expected high growth include transportation accessibility, minimal flooding issues, and availability of land.

Development Zone 13 (Chacahoula)

The projection for this zone is a population decrease by 29.6% over the next twenty years. The region will continue to be impacted negatively by flooding concerns typical of swampland areas. It appears residents are finding other areas of the parish more attractive for residential living.

Development Zone 14 (Gibson)

The projection for this area is for a decrease by almost 87.1% over the next twenty years. Similar to the Chacahoula area, flooding impacts and availability of land elsewhere in the parish affect residential development.

Development Zone 15 (Bayou Black)

Population in this zone is expected to grow at a rate of 19.7% over the next twenty years. This is due to the rural qualities of Old Bayou Black. A vast amount of agriculture land suitable for residential development is available. Areas close to Houma will likely develop first.

Development Zone 16 (Lower Bayou Blue)

Population in this zone is projected to grow at a rate of 51.1% over the next twenty years. Suitable land is available for development along Coteau Road and lower Bayou Blue, and the recent completion Prospect Avenue to La. 182 provides easy access to Houma.

Development Zone 17 (West Houma)

This area is currently the most populated Development Zone and is projected to experience a 21.4% growth rate over the next twenty years. The area has currently many lots available with more anticipated for future development.

Development Zone 18 (Western Marsh)

This zone consists entirely of wetlands. No residences exist in this zone, and no population change is projected.

Based upon the past several decades of parish development and the management of that development, Terrebonne Parish Consolidated Government is fully aware of state and federal mandates regarding coastal zone management, flood zone and hazard management, and protecting the valuable coastal areas of the state. The table below from the Terrebonne Parish CMP depicts future land use projections.

Table 4-3: Projected Future Urban Land Use

Land Use Name	Year 2002		Year 2020		Percent Change
	Acreage	%	Acreage	%	
Single Family Residential	13,004	1.1%	15,445	1.4%	0.21%
Multi-Family Residential (low density)	95	0.0%	136	0.0%	0.00%
Multi-Family Residential (high density)	224	0.0%	239	0.0%	0.00%
Mobile Homes	1,728	0.2%	2,504	0.2%	0.07%
Mobile Home Parks	406	0.0%	406	0.0%	0.00%
Commercial	1,948	0.2%	3,431	0.3%	0.13%
Office	122	0.0%	147	0.0%	0.00%
Medical Office	35	0.0%	44	0.0%	0.00%
Home Occupations	19	0.0%	19	0.0%	0.00%
Public Services	4,212	0.4%	4,204	0.4%	0.00%
Industrial	3,506	0.3%	4,918	0.4%	0.12%
Agricultural	26,342	2.3%	24,052	2.1%	-0.20%
Vacant/Open Land	41,241	3.6%	37,699	3.3%	-0.31%
Environmentally Sensitive Areas	1,048,950	91.8%	1,048,113	91.7%	-0.07%
Wellheads	282	0.0%	282	0.0%	0.00%
Camps	328	0.0%	585	0.1%	0.02%

Total Area with Land Use Classification	1,142,441	1,142,224
Other (waterways & streets)	8,890	9,107
Development Zone Acreage	1,151,331	1,151,331

Terrebonne Parish Consolidated Government has instituted significant preventative measures to minimize the need for mitigation options in future land use decisions. At the municipal level, the City of Houma has existing zoning ordinances and corresponding maps that conform to FEMA guidelines. The parish will update their zoning ordinances if and when needed to ensure compliance to FEMA regulations. The parish also has adopted the International Building Codes (IBCs) and Advisory Base Flood Elevations (ABFEs) which dictate wind and flood related guidelines, respectively.

3. §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.

As discussed previously in Section II of this HMPU, Houma is the only municipality in the parish, and the Terrebonne Parish Consolidated Government represents the interests of the entire parish. With that being said, the parish can be broadly segregated into two areas—Houma and the unincorporated areas of the parish. As might be expected with an area as large as Terrebonne Parish, the probability of occurrence of each hazard differs based on any given geographic location within the parish. To assess these varying levels of risk, a summary table is provided below to establish the probability of occurrence of each hazard event within the parish.

Table 4-4: Probability of Hazard Events in Terrebonne Parish

Hazard Event	Area	
	Unincorporated	Houma
Avalanche	NR	NR
Coastal Erosion	High (south)/Low (north)	Low
Coastal (Tropical) Storm	High	High
Levee (Dam) Failure	High	Medium
Drought	Low	Low
Earthquake	NR	NR
Expansive Soils	Medium	Medium
Extreme Heat	Low	Low
Flood	High	High
Hail Storm	Medium	Medium
Hurricane	High	High
Land Subsidence	Medium	Medium
Landslide	NR	NR
Saltwater Intrusion	Medium	Medium
Severe Winter Storm	Low	Low
Tornado	Medium	Medium
Tsunami	NR	NR
Volcano	NR	NR
Wildfire	NR	NR

NR = None Historically Recorded

High = Hazards have historically and repetitively impacted the parish and have the greatest probability to directly cause damage to property or infrastructure

Med = Hazards have some potential to cause damage to property or infrastructure but have not significantly affected the planning area

Low = Hazards are those that have the least likely probability to affect the parish

Please Note: All three designations were decided upon by the HMPU Committee throughout the planning process

As previously established in section §201.6 (c)(2)(ii) (page c2-12 on p. 80) of this HMPU, flooding associated with various storm events (hurricanes and tropical storm events) represent a major risk for the entire planning area. The effects of historical storm events and the 100-year flood plane 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 south, west, and north-central Terrebonne Parish, as well as the City of Houma and are included as Attachments c2-24.1 through c2-24.4 on pages 94-97.

In addition, an inventory of assets within the City of Houma and the unincorporated areas of the parish are provided in the form of Worksheet #3A (Attachments c2-26.4 through c2-26.9 on pages 102-107 of this section). The worksheets were created using the same methodology as described previously for the entire parish. The following summary represents the information provided in the composite version of Worksheet #3A for each area. For additional detail, refer to the worksheets.

Houma

A total of 14,077 structures in the city with an estimated value of $2,231,150,150 were noted. An estimated 6,065 of these with a value of $1,076,016,200 are in the hazard area. The total of the residential population within the City of Houma is 35,376, and 22,119 or 63% of these are in the hazard area.

Unincorporated Area

A total of 27,679 structures in the unincorporated areas of the parish with an estimated value of $3,533,539,890 were noted. An estimated 19,308 of these with a value of $2,473,975,315 are in the hazard area. The total of the residential population within the unincorporated areas of Terrebonne Parish is 69,127, and 54,214 or 78% of these are in the hazard area.

SECTION IV.

ATTACHMENTS (c1-1—c3-1)

IV. §201.6 (c) PLAN CONTENT

Attachment c1-1
Terrebonne Parish Hazard Mitigation Plan Update Committee

Last Name	First Name	Organization	Title
Blackwell	Barry	Terrebonne Parish Consolidated Government	Parish Manager
Alford	Tony	Terrebonne Levee & Conservation District	President
Arnette	Jane	South Central Industrial Association	Executive Director
Babin	Danny	President of the Regulatory Planning Commission	Chairman
Bonvillian	Gene	Terrebonne Parish Tax Assessor	Tax Assessor
Boudreaux	Mark	911 Communications	Director
Bourg	Tom	Terrebonne Parish Consolidated Government	Utility Director
Bush	Gregory	Terrebonne Parish Consolidated Government	Public Works Director
Case	Peggy	Terrebonne Parish Readiness and Assistance Coalition	Executive Director
Claudet	Michel	Terrebonne Parish Consolidated Government	Parish President
Dean	Major Mike	Terrebonne Parish Sheriff's Office	Uniform Commander
Deroche	Micheal	Terrebonne Parish Consolidated Government	Former OEP Director
DeFraites	Arthur	Gulf South Engineering Associates, Inc.	President
Eues	Earl	Houma-Terrebonne Chamber of Commerce	Member
Foreman	Leesa	Terrebonne Parish Consolidated Government	Senior Planner
Gardner	Jack	Terrebonne Parish Consolidated Government	Draftsman
Gordon	Pat	Terrebonne Parish Consolidated Government	Planning Director
Hewitt	Kevin	Board of Health	Sanitary and Parish Manager
Hornsby	Stephen	Water District	General Manager
King	Naomi	The Courier	Staff Reporter
Labat	Paul	Terrebonne Parish Consolidated Government	Council Clerk
Larpenter	Jerry	Terrebonne Parish Sheriff's Office	Sheriff
Ledet	Lisa	Terrebonne Parish Consolidated Government	Permits Specialist
Levron	Al	Terrebonne Parish Consolidated Government	Capital Projects Admin.
Maloz	Simone	South Central Industrial Association	Representative
McDonald	Mitch	Terrebonne Parish Consolidated Government	Senior Planner
Milford, III	Gene	Gene Milford and Associates, Inc	Professional Engineer
Pena	Oscar	Shaw Coastal, Inc.	Senior Vice President
Peoples	Phyllis	Terrebonne General Medical Center	CEO
Richard	Ed	Terrebonne Parish School Board	Superintendent
Richard	Jerold	Terrebonne Parish Consolidated Government	O.S.H.E.P. Director
Schexnayder	Phil	Gulf South Engineering Associates, Inc.	Professional Engineer
Scott	Daniel	Houma Fire Department	Fire Chief
Smith	Kenneth	T. Baker Smith	President/CEO
Waitz	David	David Waitz Engineering & Surveying	Professional Engineer
Zeringue	Jerome	Terrebonne Levee & Conservation District	Executive Director

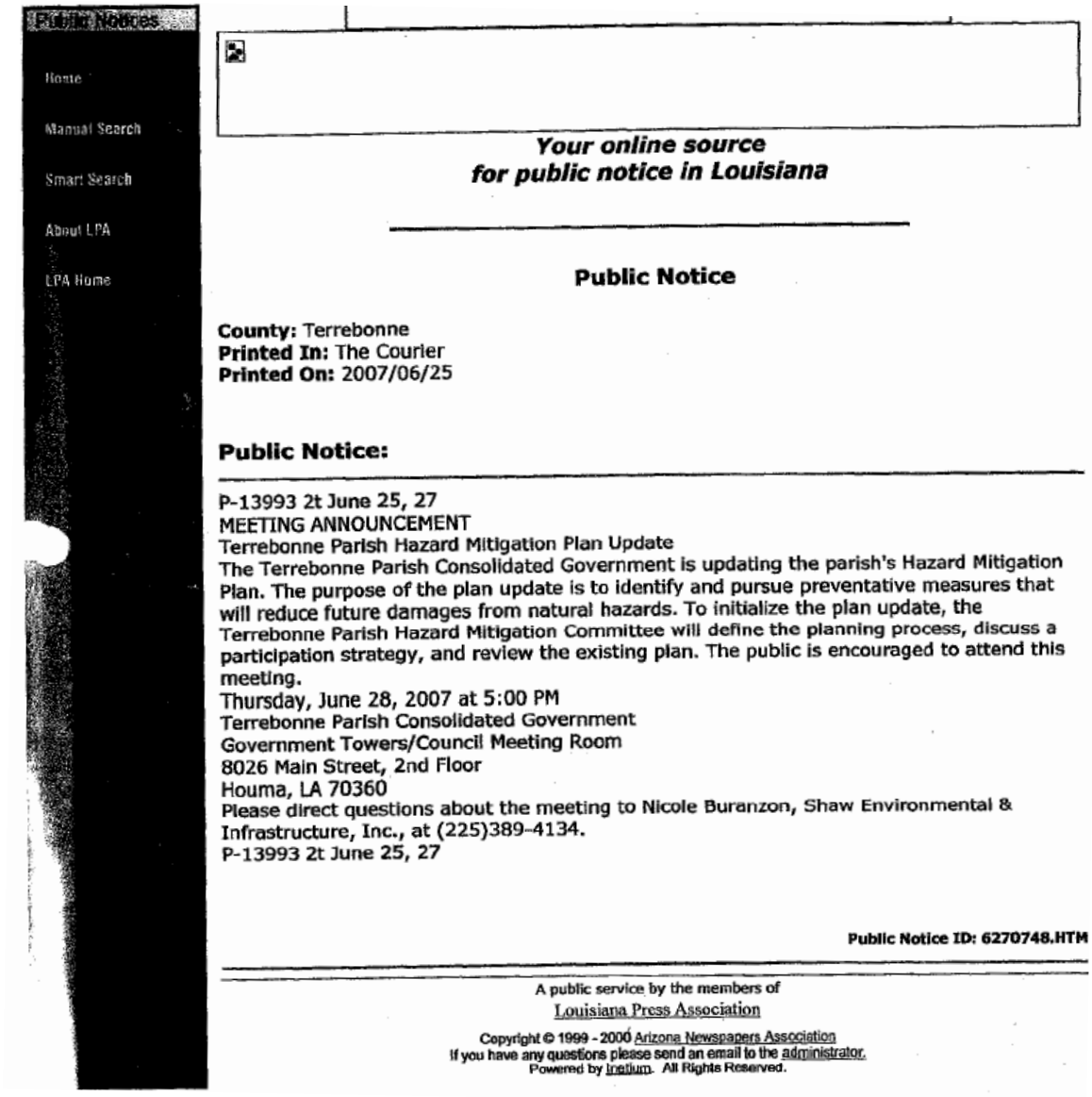
Attachment c1-2
Terrebonne Parish Hazard Mitigation Plan Update Committee
Attendance Summary

Terrebonne Parish Hazard Mitigation Plan Update Committee
Attendance Summary

Last Name	First Name	Organization	Title	Meeting1	Meeting 2	Meeting 3	Meeting 4	Meeting 5	Meeting 6
Alford	Tony	Terrebonne Levee & Conservation District	President				X		
Arnette	Jane	South Central Industrial Association	Executive Director						
Babin	Danny	President of the Regulatory Planning Commission	Chairman						
Blackwell	Barry	Terrebonne Parish Consolidated Government	Parish Manager		X	X			
Bonvillian	Gene	Terrebonne Parish Tax Assessor	Tax Assessor						
Boudreaux	Mark	911 Communications	Director				X	X	
Bourg	Tom	Terrebonne Parish Consolidated Government	Utility Director			X	X	X	
Bush	Gregory	Terrebonne Parish Consolidated Government	Public Works Director						
Buskey	Nikki	Houma Courier	Reporter		X				
Case	Peggy	Terrebonne Parish Readiness and Assistance Coalition	Executive Director		X		X		
Claudet	Michel	Terrebonne Parish Consolidated Government	Parish President				X		
Dean	Major Mike	Terrebonne Parish Sheriff's Office	Uniform Commander	X					
DeFraites	Arthur	Gulf South Engineering Associates, Inc.	President					X	
Deroche	Micheal	Terrebonne Parish Consolidated Government	Former OEP Director	X	X		X		
Eues	Earl	Houma-Terrebonne Chamber of Commerce	Member		X	X			
Foreman	Leesa	Terrebonne Parish Consolidated Government	Senior Planner	X	X	X			
Gardner	Jack	Terrebonne Parish Consolidated Government	Draftsman	X	X	X	X	X	X
Ghirardi	Kevin	Terrebonne General Medical Center	V.P. of Support Services			X	X		
Gordon	Pat	Terrebonne Parish Consolidated Government	Planning Director	X	X	X	X	X	X
Hebert	Aaron	Terrebonne Parish Sheriff's Office	N/A				X		
Henderson	Shenetia	GOSHEP	Planner				X		
Hewitt	Kevin	Board of Health	Sanitary and Parish Manager						
Hicks	Earl	Airport Director	Airport Commission					X	X
Hornsby	Stephen	Water District	General Manager		X	X	X	X	

Last Name	First Name	Organization	Title	Meeting1	Meeting 2	Meeting 3	Meeting 4	Meeting 5	Meeting 6
King	Naomi	The Courier	Staff Reporter						
Labat	Paul	Terrebonne Parish Consolidated Government	Council Clerk						
Lacour	Jeffrey	FEMA	Planning		X	X	X		
Larpenter	Jerry	Terrebonne Parish Sheriff's Office	Sheriff	X					
Ledet	Lisa	Terrebonne Parish Consolidated Government	Permits Specialist	X	X	X	X	X	X
Levron	Al	Terrebonne Parish Consolidated Government	Capital Projects Admin.				X		X
Maloz	Simone	South Central Industrial Association	Representative	X					
McDonald	Mitch	Terrebonne Parish Consolidated Government	Senior Planner	X		X	X		
Milford, III	Gene	Gene Milford and Associates, Inc	Professional Engineer						
Pena	Oscar	Shaw Coastal, Inc.	Senior Vice President	X					
Peoples	Phyllis	Terrebonne General Medical Center	CEO						
Pizzolato	John	Terrebonne Parish Consolidated Government	Councilman				X		
Redmon	Gordon	GOHSEP	Mitigation Officer	X					
Richard	Ed	Terrebonne Parish School Board	Superintendent						
Richard	Jerold	Terrebonne Parish Consolidated Government	O.S.H.E.P. Director						
Sanz	Margaret	GOHSEP	Plan Coordinator	X					
Schexnayder	Phil	Gulf South Engineering Associates, Inc.	Professional Engineer	X					
Scott	Daniel	Houma Fire Department	Fire Chief			X			
Smith	Kenneth	T. Baker Smith, Inc.	President/CEO						
Thibodeaux	N/A	T. Baker Smith, Inc.	V.P. Environmental	X					
Ussher	Bernard	FEMA	Planning	X	X				
Waitz	David	David Waitz Engineering & Surveying	Professional Engineer	X			X		
Zeringue	Jerome	Terrebonne Levee & Conservation District	Executive Director	X			X		

Attachment c1-3.1A
Meeting 1—Advertisement



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Public Notice

County: Terrebonne
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Printed On: 2007/06/25

Public Notice:

P-13993 2t June 25, 27
MEETING ANNOUNCEMENT
Terrebonne Parish Hazard Mitigation Plan Update
The Terrebonne Parish Consolidated Government 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 Terrebonne 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.
Thursday, June 28, 2007 at 5:00 PM
Terrebonne Parish Consolidated Government
Government Towers/Council Meeting Room
8026 Main Street, 2nd Floor
Houma, LA 70360
Please direct questions about the meeting to Nicole Buranzon, Shaw Environmental & Infrastructure, Inc., at (225)389-4134.
P-13993 2t June 25, 27

Public Notice ID: 6270748.HTM

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Louisiana Press Association

Simone Mallet Nicholl

Terrebonne Parish Hazard Mitigation Plan Update Meeting #1
Thursday, June 28, 2007

Signature	Last Name	First Name	Title	Agency
Simone Mallet	Arnette	Jane	Executive Director	South Central Industrial Association
	Blackwell	Barry	Parish Manager	Terrebonne Parish Consolidated Government
	Bonvillian	Gene	Tax Assessor	Terrebonne Parish Tax Assessor
	Bourg	Tom	Utility Director	Terrebonne Parish Consolidated Government
	Case	Peggy	Executive Director	Terrebonne Parish Readiness and Emergency Coalition
	DeFraites	Arthur	President	Gulf South Engineering Associates, Inc.
Michael Deroche	Deroche	Michael	O.S.H.E.P. Director	Terrebonne Parish Consolidated Government
	Foreman	Leesa	Senior Planner	Terrebonne Parish Consolidated Government
	Gardner	Jack	~~Draftsman~~ GIS	Terrebonne Parish Consolidated Government
Patrick Gordon	Gordon	Pat	Planning Director	Terrebonne Parish Consolidated Government
	Hornsby	Steve	General Manager	Water District
	Labat	Paul	Council Clerk	Terrebonne Parish Consolidated Government
	Larpenter	Jerry	Sheriff	Terrebonne Parish Sheriff's Office
	Ledet	Lisa	Permits Specialist	Terrebonne Parish Consolidated Government
	Levron	Al	Public Works Director	Terrebonne Parish Consolidated Government
Mitch McDonald	McDonald	Mitch	Senior Planner	Terrebonne Parish Consolidated Government mmcdonald@tpcg.org
	Milford, III	Gene	Professional Engineer	Gene Milford and Associates, Inc.
	Pena	Oscar	Senior Vice President	Shaw Coastal, Inc
	Schwab	Don	Parish President	Terrebonne Parish Consolidated Government
	Smith	Kenneth	President/CEO	T. Baker Smith
	Theriot	Kandy	President/CEO	Houma-Terrebonne Chamber of Commerce
	Waitz	David	Professional Engineer	David Waitz Engineering & Surveying
Jerome Zeringue	Zeringue	Jerome	Executive Director	Terrebonne Levee & Conservation District
	Redmond	Gordon	Mit GOHSEP	James Lee Witt Assoc / GOHSEP
	Sami	Margaret	GOHSEP Plans Coor.	GOHSEP
	THIBODAUX	?	VP ENV	TBSI
	Schexnayder	Phil		GSE
	USSHER	Bernard	Planning	FEMA
				mdean@tpcg.org
OSCAR PENA	PENA	OSCAR		OSCAR.PENA@SHAWGRP.COM

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

Terrebonne Parish
Hazard Mitigation Plan Update Committee Meeting #1 Agenda with Notes
June 28, 2007

I. INTRODUCTIONS AND WELCOME

A. Attendance

B. Introductions

C. Reason for Being Asked to Join the Committee

Information presented focused on committee members sharing common goals, having the ability to see the "big picture," and being stakeholders in the hazard mitigation process

D. Process and Funding Overview

The target for updating Terrebonne Parish's Hazard Mitigation Plan and scoping of projects is to obtain FEMA funding for the list of prioritized projects. The list will serve as a pre-application for future FEMA disaster funds

II. PURPOSE, NEED, AND EXPECTATIONS

A. What/Why Hazard Mitigation Planning?

1. Definitions

2. Risk Assessment Methodology

3. Parish/Committee Vision

B. Why Update?

1. Revised FEMA approach

a. planning

b. scoping

The scoping process will focus on hard, construction projects

2. Additional issues

a. Katrina/Rita

b. assume levee failure

c. new ABFE's

d. projects implemented since 2004

e. identify new projects

If there is a storm event before the plan update is approved, the current plan will still be valid

C. Origins of Current DMA Hazard Mitigation Planning Process

D. Expectations

E. Project Milestones

III. PARTICIPATION STRATEGY

A. Committee Structure

1. **Expand/contract**
   The committee agreed to expand to include public health, education, fire, communication, hospitals, and the chairman of the Regulatory Planning Commission
2. **Steering committee***
   Suggested members included:
   - Pat Gordon, Planning Director, Terrebonne Parish Consolidated Government
   - Al Levron, Public Works Director, Terrebonne Parish Consolidated Government
   - Barry Blackwell, Parish Manager, Terrebonne Parish Consolidated Government
   - Jerome Zeringue, Executive Director, Terrebonne Levee and Conservation District
   - David Waitz, Professional Engineer, David Waitz Engineering and Surveying
   - Michael Deroche, OHSEP Director, Terrebonne Parish Consolidated Government
3. **Meeting Frequency/Location**
   The committee agreed that the Parish Council Meeting Room will be the meeting location throughout the planning process

B. Civic Group Presentations
Four civic group presentations will be made before the period of performance concludes

C. Concerns, Comments, Questions

D. Other Issues?

IV. PLAN REVIEW

A. Update Issues

1. **Review and re-identify hazards—worksheet**
   Plan update will identify all natural hazards as in the current plan, but will focus particularly on wind, floods, and levee failure
2. **Profile hazard events**
   The Hurricane Rita Inundation Map as presented was worse than the actual effects of the hurricane

B. Existing Goals

1. **Identify and pursue preventative measures that will reduce future damages from disasters**
2. **Enhance public awareness and understanding of disaster preparedness**
3. **Reduce repetitive flood losses in the parish**
4. **Facilitate sound development in the parish so as to reduce or eliminate the potential impact of disaster**

V. SCOPING—IDENTIFY AND ANALYZE PROJECTS

A. Identify and Analyze Projects-in-motion

Project list from the prior plan was provided in a handout and in the PowerPoint presentation. The list provided was not the most current; the steering committee will review approved project list from current plan.

B. Evaluation and Prioritization

1. STAPLEE method

a. technical
b. economic
c. environmental
d. social
e. administrative
f. political
g. legal

2. Cost-benefit emphasis

VI. CONCLUSION

A. Meeting Summary

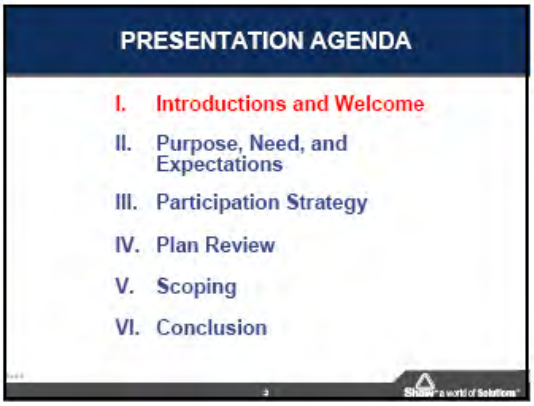
1. Purpose, need, and expectation
2. Participation strategy
3. Plan Review
4. Scoping
5. Conclusion

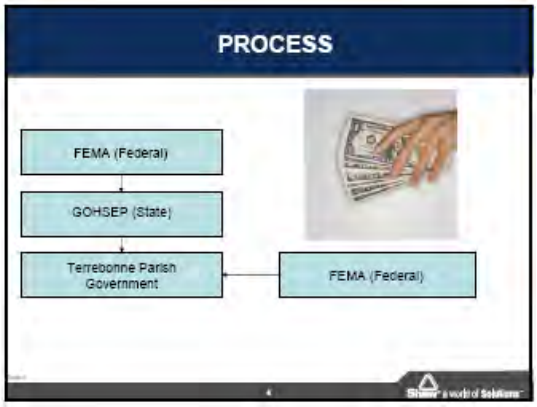
B. Schedule/Locate Next Meeting

The next meeting will be held in Houma, LA in approximately 8 weeks

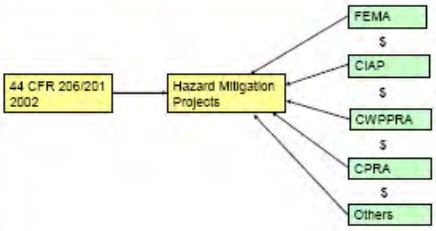
C. Adjourn

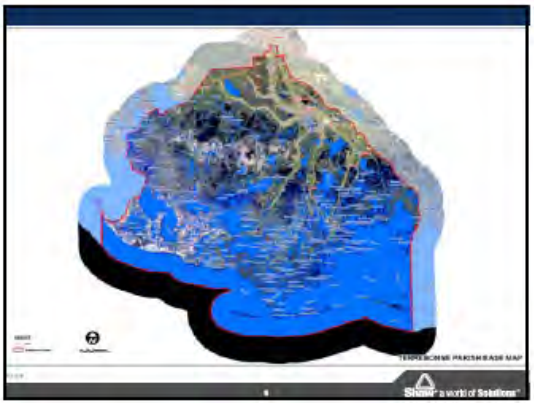
Attachment c1-3.1D
Meeting 1—PowerPoint Presentation Slides





FUNDING SOURCES





SECTION II: PURPOSE, NEED, AND EXPECTATIONS

I. Introductions and Welcome
II. Purpose, Need, and Expectations
III. Participation Strategy
IV. Plan Review
V. Scoping
VI. Conclusion

Purpose, Need, and Expectations:
WHAT IS HAZARD MITIGATION PLANNING?

Planning for any sustained action(s) taken to reduce or eliminate the long-term risk to human life and property from hazards

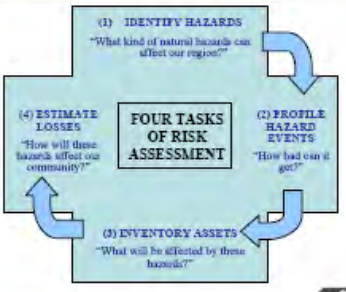
Purpose, Need, and Expectations:

DEFINITIONS

- Hazard—a source of potential danger
- Hazard Mitigation—sustained actions taken to reduce or eliminate long-term risks from hazards and their effects
- 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.
- Risk Assessment—Process of measuring the potential loss of life, personal injury, economic injury, and property damage.

Purpose, Need, and Expectations:

Risk Assessment Methodology



Purpose, Need, and Expectations:

WHY HAZARD MITIGATION PLANNING?

- 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

Purpose, Need, and Expectations:

WHY UPDATE HAZARD MITIGATION PLAN?

- Revised FEMA Approach
  - Planning
  - Scoping
- Additional Issues
  - Incorporate Katrina and Rita Data
  - Assume levee failure in Risk Assessment
  - Utilize New Advisory Base Flood Elevations (ABFEs)
  - Address Projects Implemented Since 2004
    - Coastal Wetland Planning, Protection, Restoration Act (CWPPRA)
    - Coastal Impact Assistance Program (CIAP)
    - Coastal Protection Restoration Act (CPRA)
    - Louisiana State Hazard Mitigation Plan
    - Louisiana Speaks Regional Plan
  - Identify New Projects

Things Change!

Purpose, Need, and Expectations:
ORIGINS

- Past: Federal legislation funded disaster relief, recovery, and some mitigation planning
- Present: Disaster Mitigation Act of 2000 (DMA 2000)
  - -Reinforces importance of mitigation planning before hazards occur
  - -Establishes a pre-disaster hazard mitigation program
  - -Creates new requirements for creating a plan
  - -Requires states and communities to have an approved mitigation plan in place prior to receiving HMGP funds

Purpose, Need, and Expectations:
EXPECTATIONS

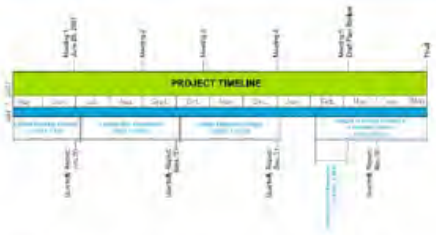
PHASE ONE
Building Community Support and Organizing Resources

PHASE TWO
Assessing Community Risks

PHASE THREE
Finalizing the Mitigation Plan

PHASE FOUR
Implementing the Mitigation Plan

Purpose, Need, and Expectations:
PROJECT TIMELINE



SECTION III: PARTICIPATION STRATEGY

I. Introductions and Welcome
II. Purpose, Need, and Expectations
III. Participation Strategy
IV. Plan Review
V. Scoping
VI. Conclusion

PARTICIPATION STRATEGY

Participating Agencies:

David Waitz Engineering & Surveying
Gene Milford and Associates, Inc.
Gulf South Engineering Associates, Inc.
Houma-Terrebonne Chamber of Commerce
Shaw Coastal, Inc.
South Central Industrial Association
T. Baker Smith
Terrebonne Levee and Conservation District
Terrebonne Parish Consolidated Government
Terrebonne Parish Readiness and Emergency Coalition
Terrebonne Parish Sheriff's Office
Terrebonne Parish Tax Assessor
Water District

PARTICIPATION STRATEGY CONTINUED

- Committee Structure
  1. Expand/Contract
  2. Steering Committee*
  3. Meeting Location/Frequency?
- Civic Group Presentations
- Concerns, Comments, Questions
- Other Issues?

SECTION IV: PLAN REVIEW

I. Introductions and Welcome
II. Purpose, Need, and Expectations
III. Participation Strategy
IV. Plan Review
V. Scoping
VI. Conclusion

Risk Assessment: Identify 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.

Risk Assessment:

PROFILE HAZARD EVENTS

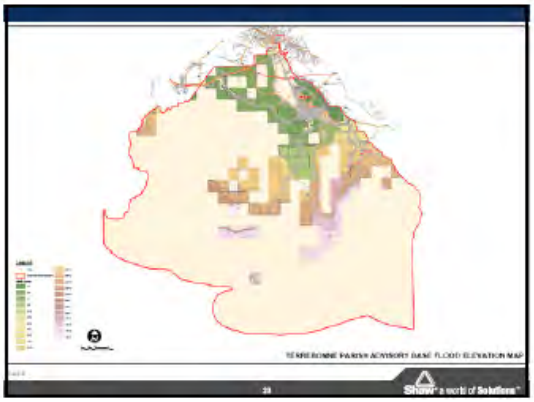
- Obtain and create base maps
- Obtain hazard event profile information
- Record the hazard event profile information

Current Plan:

- Hurricane Betsy
- Hurricane Carmen
- Hurricane Juan
- Hurricane Andrew
- Hurricane George
- Tropical Storm Allison
- Tropical Storm Isidore
- Hurricane Lili

Plan Update:

- Hurricane Ivan
- Hurricane Katrina
- Hurricane Rita
- Assume Levee Failure



Plan Review:
EXISTING GOALS

Goal 1—Identify and pursue preventive measures that will reduce future damages from disasters

Goal 2—Enhance public awareness and understanding of disaster preparedness

Goal 3—Reduce repetitive flood losses in Terrebonne Parish

Goal 4—Facilitate sound development in the parish so as to reduce or eliminate the potential impact of disaster

Plan Review:
EXISTING GOALS

Goal No. 1. Identify and Pursue Preventive Measures That Will Reduce Future Damages From Disasters

No.	Priority	Task Description	Lead Manager	Schedule	Disaster	Funding
1	M	Identify improved evacuation routes that do not flood.	OEP Director	June '04	Flood	Parish Budget
2	M	Evaluate where erosion control projects are needed.	Planning Director	Mar '04	Flood	Parish Budget
3	M	Regularly inspect levees.	Public Works Director	Ongoing	Flood	Parish Budget
4	M	Continue the marsh buggy program.	Dept. of Wildlife & Fisheries	Ongoing	Flood	Parish Budget
5	H	Keep lighted ways maintained so that trees do not fall on utilities causing power outages.	Public Works Director	Ongoing	Wind	Parish Budget
6	H	Pursue area flood drainage projects with hurricane protection to reduce increased vulnerability of flooding caused by subsidence.	Public Works Director	Dec '08	Subsidence	Parish Budget
7	M	Continue the mosquito abatement program.	Public Works Director	Ongoing	Insects	Parish Budget
8	M	Conduct more detailed studies (subs unit floodplains) to reduce salt water intrusion.	Planning Director	Dec '05	Salt Water Intrusion	Parish Budget
9	M	Continue to enforce environmental regulations regarding drinking water contamination.	Utilities Director	Ongoing	Drinking Water	Parish Budget
10	M	Investigate the feasibility of a public notification system (siren, call down system).	Planning Director	Mar '04	Multi-hazard	Parish Budget
11	H	Add back up power supply generators in critical locations.	OEP Director	Dec '04	Multi-hazard	Parish Budget

Plan Review:
EXISTING GOALS

Goal No. 2. Enhance Public Awareness and Understanding of Disaster Preparedness

No.	Priority	Task Description	Lead Manager	Schedule	Disaster	Funding
12	M	Institute a public education campaign on the importance of maintaining electric	Parish Public Relations Director	June '04	Wind	Parish Budget
13	M	Public education on importance of hurricane preparedness	Public Works Director	Ongoing	Wind	Parish Budget
14	M	Initiate public education campaign on preventing flood risk and other related hazards	Parish Public Relations Director	June '04	Insects	Parish Budget
15	M	Assess public awareness campaigns/awareness programs in schools and develop Public Service Announcements (PSAs) for low to-risk shelter in hazards (building, immediate, etc.)	Parish Public Relations Director	June '04	Multi-hazard	Parish Budget
16	H	Develop PSA agreements with TV/Radio stations.	Parish Public Relations Director	June '04	Multi-hazard	Parish Budget
17	H	Disseminate risk and evacuation routes	Parish Public Relations Director	June '04	Multi-hazard	Parish Budget
18	M	Encourage individuals to purchase insurance for	Parish Public Relations Director	June '04	Multi-hazard	Parish Budget

Plan Review:
EXISTING GOALS

Plan Review:
EXISTING GOALS

Goal No. 4: Facilitate Sound Development in the Parish so as to Reduce or Eliminate the Potential Impact of Disaster

No.	Priority*	Task Description	Lead Manager	Schedule	Disaster	Funding
27	M	Improve levee design standards	Planning Director	Dec '00	Flood	Parish Budget
28	M	Continue to participate in the "Community Rating system (CRS)" of the NFIP	Floodplain Manager	Dec '04	Flood	Parish Budget
29	H	Review existing floodplain ordinance and see how it could be augmented to increase CRS potential and reduce flood insurance premiums	Floodplain Manager	June '03	Flood	Parish Budget
30	M	Strengthen building codes to reduce wind damage	Planning Director	Sept '04	Wind	Parish Budget
31	M	Continue to consider higher regulatory standards and adopt those that are beneficial to the community	Floodplain Manager	Ongoing	Multi-hazard	Parish Budget
32	M	Finalize a parish-wide sewer plan	Public Works Director	Mar '06	Untreated Sewerage	Parish Budget
33	H	Survey aging infrastructure and develop a schedule for replacement	Public Works Director	June '04	Aging Infrastructure	Parish Budget

H = High (urgent)
M = Medium
L = Low (not urgent)
I = Low (Not Urgent)

Ongoing = Activity has already been initiated and will continue indefinitely or until is complete.

Multi-Hazard = The action item is applicable to more than one hazard.

SECTION V: SCOPING

I. Introductions and Welcome
II. Purpose, Need, and Expectations
III. Participation Strategy
IV. Plan Review
V. Scoping
VI. Conclusion

SCOPING

STAPLEE CRITERIA

- Social
- **Technical**
- Administrative
- Political
- Legal
- **Economic**
- **Environmental**

CONCLUSION

I. Meeting Summary
   A. Purpose, Need, and Expectations
   B. Participation Strategy
   C. Plan Review
   D. Scoping
   E. Conclusion
II. Schedule/Locate Next Meeting
III. Adjourn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Pat Gordon
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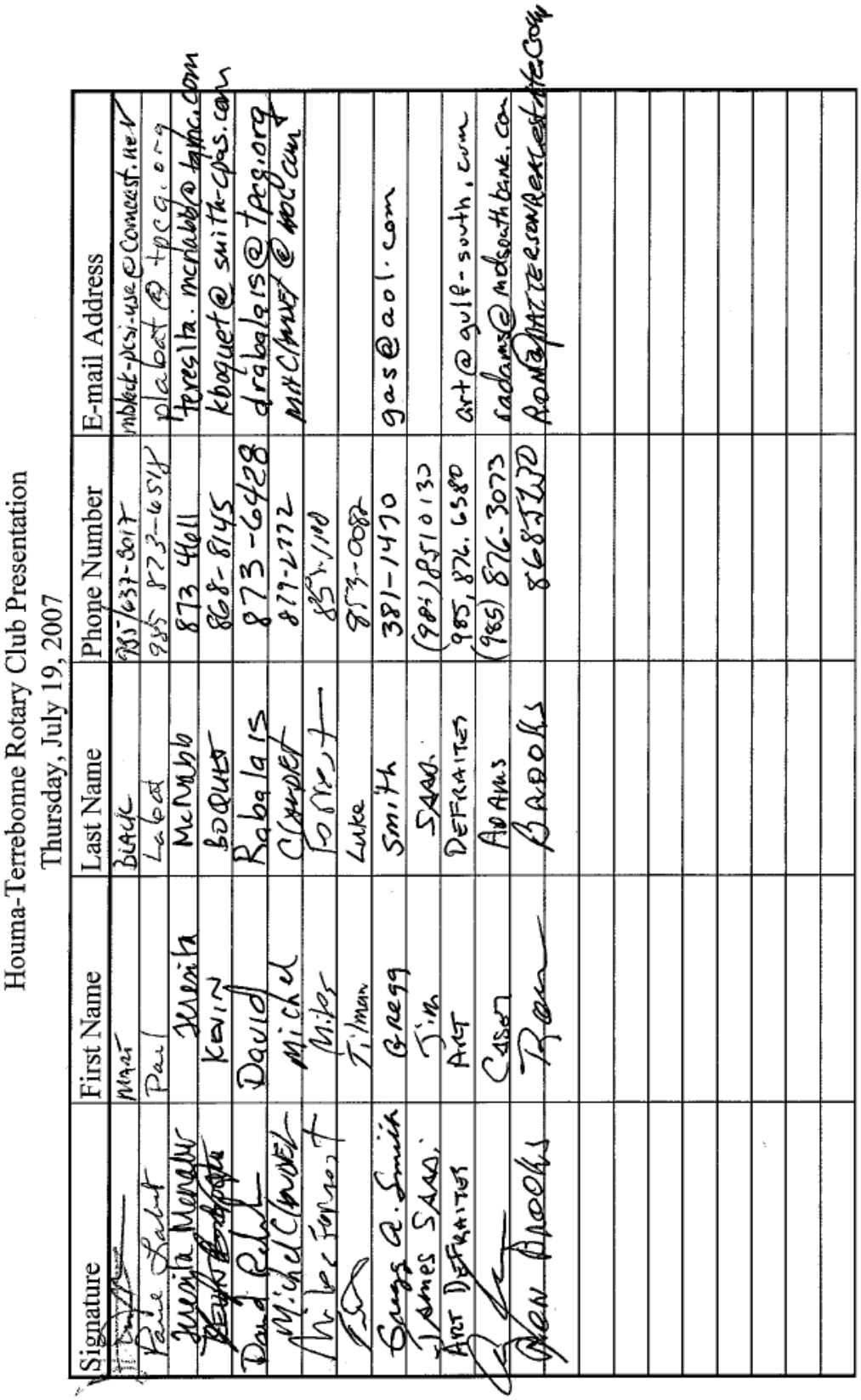
pgordon@tpcg.org

Attachment c1-3.2
Houma Terrebonne Rotary Club Presentation Sign-in Sheets



Houma-Terrebonne Rotary Club Presentation
Thursday, July 19, 2007

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	Paul	Labat	985 873-4592	plabat@tpcg.org
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	Art	Defrancesch	985, 876, 6580	art@gulf-south.com
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Houma-Terrebonne Rotary Club Presentation

Thursday, July 19, 2007

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	Jim	Sublett	985-851-7354	Jsublett@layeee.com
	Verna	Thomas	985-873-7772	first choice@mortgage@bellsouth.net
	ERIC	LANDRY	985-873-1611	ericlandry@allstate.com
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	Mac	LaBat	985 852078	maclabate@yahoo.com
	Synde	Deville-Fletcher	985-851-4513	Synde@res-LA.com
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	Fran	Dupre	985-851-1020	N/A

email

Houma-Terrebonne Rotary Club Presentation
Thursday, July 19, 2007

Signature	First Name	Last Name	Phone Number	E-mail Address
	Greg	Landry	985-879-1597	
	Tommy	Jones	985-868-4321	
	GF	Blanchard	985-804-2890	
	STEVE	CALOGERAS	985 851 6781	c_ins@bellsouth.net
	John	Rogers	853-1994	
	SAM	GUIDO	876-7614	
	Jackie	BREWSTER	580-3501	
	Vernon	Bourgeois	876-2500	
	Hilary	DOMANGUE	868-4284	
	DAVID	OHLMEYER	850-4657	
	John	Shutts	985/868-6232	

Attachment c1-3.3
Terrebonne Parish Council Agenda

TERREBONNE PARISH COUNCIL
COMMUNITY DEVELOPMENT AND PLANNING COMMITTEE

Ms. C. Duplantis.....Chairwoman
Mr. H. Lapeyre.....Vice Chairman
Mr. A. Tillman.....Member
Mr. P. Rhodes.....Member
Ms. T. Cavalier.....Member
Mr. P. Lambert.....Member
Mr. C. Voisin.....Member
Ms. K. Elfert.....Member
Ms. A. Williams.....Member

Back Print

AGENDA

Community Development and Planning Committee Meeting
September 24, 2007
5:15 PM

Parish Council Meeting Room

☑ Add-on ☐ Modification ☐ ~~Removed Item~~

NOTICE TO THE PUBLIC: If you wish to address the Committee, please complete the "Public Wishing to ...ess the Council" form located on either end of the counter and give it to either the Chairman or the Council ... prior to the beginning of the meeting. Individuals addressing the council should be respectful of others in their choice of words and actions. Thank you.

ALL CELL PHONES, PAGERS OR ELECTRONIC DEVICES USED FOR COMMUNICATION SHOULD BE SILENCED FOR THE DURATION OF THE MEETING

INVOCATION

PLEDGE OF ALLEGIANCE

CALL MEETING TO ORDER

ROLL CALL

1) Presentation by Shaw Enviornmental and Infrastructure, discussion and possible action on the Terrebonne Parish Hazard Mitigation Plan Update.

2) RESOLUTION: Adopting the Long Term Recovery Plan for Terrebonne Parish and to authorize the submission of said plan to the Louisiana Recovery Authority for acceptance. Attachments

3) Discussion and possible action with respect to the South Houma Boat Launch and other boat launch projects. (Remarks by Boat Launch Advisory Committee) Attachments

4) RESOLUTION: Approving the award of a Community Development Block Grant funded through the Economic Development Loan Program to Ruby Sweets. Attachments

RESOLUTION: Authorizing the Parish President to execute an Intergovernmental Agreement between the Terrebonne Parish Consolidated Gvoernment (TPCG) and the Louisiana Department of Labor, Office of Workers' Compensation Administration (OWCA) for the Attachments

establishment of Satellite Offices and Courts and to provide adequate secutity to those Courts and Offices.

Presentation, discussion, and possible action with respect to the proposed ordinance to dedicate and accept the street, drainage servitudes, gas and rights-of-way for "Woodlawn Ranch Acres Subdivision, Addendum No. 3". Attachments

7) RESOLUTION: Obligating the necessary funding under the HMGP/Hurricane Lili funding to complete the approved mitigation for the structures located at 518 Woodhaven Drive, 343 Island Road, and 7446 Edgewater Drive. Attachments

8) RESOLUTION: Accepting the Annual Plan for 2008 for the Parish Government Section 8 Housing Plan. Attachments

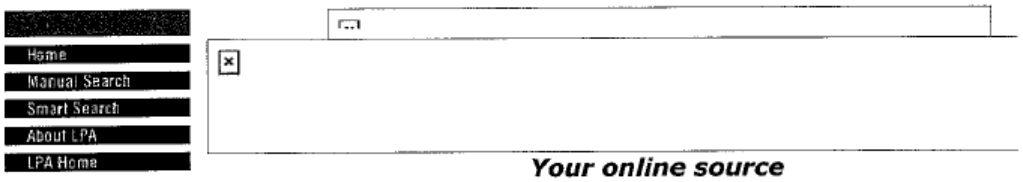
9) RESOLUTION: Approving the elevation packet required in the elevation of the structure located at 112 Justin Street (Mr. Roger Comer, owner), as part of the Terrebonne Flood Hazard Mitigation Program. Attachments

10) RESOLUTION: Approving the elevation packet required in the elevation of the structure located at 105 Kennedy Street (Mr. and Mrs. Tony Prosperie owners) as part of the Terrebonne Flood Hazard Mitigation Program. Attachments

11) RESOLUTION: Introducing an ordinance which is required in acquiring the land and structures at 104 Pamela Ann Street under the Parish Government's Hurricane Lili HMGP and calling a public hearing on said matter on October 10, 2007 at 6:30 PM. Attachments

12) Adjourn

Attachment c1-3.4A
Meeting 2—Advertisements



Your online source
for public notice in Louisiana

Public Notice

County: Terrebonne
Printed In: The Courier
Printed On: 2007/09/17

Return to Found List New Search
Return To Current Search Criteria

Public Notice:

P-14478 2t Sept. 17, 21
Public Notice
Meeting Announcement
Terrebonne Parish Hazard Mitigation Plan Update
Terrebonne Parish Consolidated Government is updating the parish's Hazard Mit
Plan. The purpose of the plan update is to identify and pursue preventative mea
that will reduce future damages from natural hazards. The public is encouraged
attend this meeting.
Tuesday, September 25, 2007 at 5:00PM
Terrebonne Parish Consolidated Government
Government Towers / Council Meeting Room
8026 Main Street, 2nd Floor
Houma, LA 70360
Please direct questions about the meeting to Nicole Buranzon, Shaw Environmer
Infrastructure, Inc., at (225) 389-4134.
P-14478 2t Sept. 17, 21

Public Notice ID: 64

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Return To Current Search Criteria

Your online source for public notice in Louisiana

Public Notice

County: Terrebonne
Printed In: The Courier
Printed On: 2007/09/21

Return to Found List New Search
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Terrebonne Parish Consolidated Government
Government Towers / Council Meeting Room
8026 Main Street, 2nd Floor
Houma, LA 70360
Please direct questions about the meeting to Nicole Buranzon, Shaw Environmei Infrastructure, Inc., at (225) 389-4134.
P-14478 2t Sept. 17, 21

Public Notice ID: 65

Return to Found List New Search
Return To Current Search Criteria

Terrebonne Parish Hazard Mitigation Plan Update Meeting #2
Tuesday, September 25, 2007

Signature	Last Name	First Name	Title	Agency
	Alford	Tony	[redacted]	South Central Industrial Association
	Arnette	Jane	Executive Director	South Central Industrial Association
	Blackwell	Barry	Parish Manager	Terrebonne Parish Consolidated Government
	Bonvillian	Gene	Tax Assessor	Terrebonne Parish Tax Assessor
	Boudreaux	Mark	[redacted]	911 Communications
	Bourg	Tom	Utility Director	Terrebonne Parish Consolidated Government
	Case	Peggy	Executive Director	Terrebonne Parish Readiness and ~~Emergency~~ Assistance Coalition (TRAC)
	Dean	Major Mike	Uniform Commander	Terrebonne Parish Sheriff's Office
	DeFraites	Arthur	President	Gulf South Engineering Associates, Inc.
	Deroche	Michael	O.S.H.E.P. Director	Terrebonne Parish Consolidated Government
	Foreman	Leesa	Senior Planner	Terrebonne Parish Consolidated Government
	Gardner	Jack	Draftsman	Terrebonne Parish Consolidated Government
	Gordon	Pat	Planning Director	Terrebonne Parish Consolidated Government
	Hebert	Carey "Buddy"	Chairman	President of the Regulatory Planning Commission
	Hewitt	Kevin	[redacted]	Board of Health
	Hornsby	~~Steve~~ Stephen	General Manager	Water District
	Labat	Paul	Council Clerk	Terrebonne Parish Consolidated Government
	Larpenter	Jerry	Sheriff	Terrebonne Parish Sheriff's Office
	Ledet	Lisa	Permits Specialist	Terrebonne Parish Consolidated Government
	Levron	Al	Public Works Director	Terrebonne Parish Consolidated Government
	Maloz	Simone	[redacted]	South Central Industrial Association
	McDonald	Mitch	Senior Planner	Terrebonne Parish Consolidated Government
	Milford, III	Gene	Professional Engineer	Gene Milford and Associates, Inc.
	Pena	Oscar	Senior Vice President	Shaw Coastal, Inc
	Peoples	Phyllis	[redacted]	Terrebonne General Medical Center
	Richard	Ed	Superintendent	Terrebonne Parish School Board

Signature	Last Name	First Name	Title	Agency
	Schexnayder	Phil		Gulf South Engineering Associates, Inc.
	Schwab	Don	Parish President	Terrebonne Parish Consolidated Government
	Scott	Daniel	Fire Chief	
	Smith	Kenneth	President/CEO	T. Baker Smith
	~~Theriot~~ EILES	~~Kandy~~ EARL	~~President/CEO~~ Member	Houma-Terrebonne Chamber of Commerce
	Waitz	David	Professional Engineer	David Waitz Engineering & Surveying
	Zeringue	Jerome	Executive Director	Terrebonne Levee & Conservation District
	Buskey	Nikki	Houma Courier	
	USSHER	BERNARD	Planning	FEMA
	Lalor	Jeffrey	planning	FEMA
	BLACKWELL	BARRY	ADMIN.	TPCG

Attachment c1-3.4C
Meeting 2—Meeting Agenda and Summary Meeting Notes

TERREBONNE PARISH HAZARD MITIGATION PLAN UPDATE
SECOND MEETING AGENDA and Notes
September 25, 2007

I. WELCOME AND INTRODUCTIONS
- **A. Update Expanded Committee List**
- **B. New Members on Committee**

II. SUMMARY OF FIRST MEETING
- **A. General—Program Summary for Benefit of New Attendees**
- **B. Hazard Events Identified**
  1. **Wind**
  2. **Floods**
  3. **Levee failure—caused by flood events and/or exceedingly wet conditions**
- **C. Expand Committee**

III. STEERING COMMITTEE
- **A. Confirmation of Steering Committee Representation**
  - Pat Gordon, Planning Director, Terrebonne Parish Consolidated Government
  - Al Levron, Public Works Director, Terrebonne Parish Consolidated Government
  - Barry Blackwell, Parish Manager, Terrebonne Parish Consolidated Government
  - Jerome Zeringue, Executive Director, Terrebonne Levee and Conservation District
  - David Waitz, Professional Engineer, David Waitz Engineering and Surveying
  - Michael Deroche, OHSEP Director, Terrebonne Parish Consolidated Government

IV. DATA INVENTORY AND MAPS PRESENTATION
- **A. Parish Base Map**
  The committee suggested that Theriot, Bourg, Gibson, Point Au Chien, and Dularge be shown on the base map.
- **B. Waterways Map**
  Mr. Jack Gardner, GIS Manager, pointed out that the waterways changed after Katrina and he will provide Shaw with an updated map.
- **C. Existing Land Use Map**
  The parish also has a future land use map that they will provide to Shaw.
- **D. Zoning Map**
  The zoning map as shown was incomplete, but Mr. Gardner will work with Shaw to get it corrected.
- **E. Levees, Pump Stations, and Drainage Districts Map**

The levees shown are not hurricane protection levees, they are drainage levees. Some are 6 feet tall, but they are not built to withstand storm surge.

F. ABFEs Map

Mr. Pat Gordon, Planning Director, mentioned that the new preliminary DFIRMs will be coming out at the end of the year, and they will not necessarily match the ABFEs. The DFIRMs will be subject to a public comment period before being finalized.

G. FEMA Flood Zone Map (100 year)

H. Hurricane Betsy Inundation Map

I. Hurricane Juan Inundation Map

J. Hurricane Andrew Map

K. Hurricane Lili Map

L. Hurricane Rita Map

M. Hurricane Rita Map—Shaw

N. Composite Risk Assessment Map

The committee suggested that Allison be included on the storm event list for the risk assessment because it was a rain event that only affected the northern part of the parish. They also suggested cross-hatching the storm water event on the risk assessment map so that it can be easily differentiated from inundation related to storm surge.

O. Critical Facilities Map

Mr. Mike Deroche will provide Shaw with an updated, more comprehensive critical facilities list.

1. **Hospitals**
2. **Police**
3. **Fire**
4. **Emergency Operations Centers**
5. **Schools**
6. **Power Plants**
7. **Potable Water**
8. **Sewer**
9. **Major Employers**

P. Other Maps Needed?

1. **Industrial Sites**
2. **Historical Sites**
3. **Grocery Stores**

   The committee suggested that there needs to be a transportation and a wind speed map.

Q. Repetitive Loss Structures

R. LIDAR

V. HAZARD EVENT PROFILES

A. Levee Failure

1. **Review and discuss responsibilities (federal, parish, city, etc.)**
2. **Deficient Levee Locations**

B. Hurricanes and Coastal Storms

Terrebonne Parish Disaster Declarations

Storm Event	Date
Hurricane Rita	9/24/2005
Hurricane Katrina	8/29/2005
Hurricane Ivan	9/15/2004
Hurricane Lili	10/3/2002
Tropical Storm Isadore	9/27/2002
Tropical Storm Allison	6/11/2001
Tropical Storm Frances and Hurricane Georges	9/23/1998
Severe Storm, Flooding	5/10/1995
Hurricane Andrew	8/26/1992
Flooding, Severe Storm, Tornado	5/3/1991
Flooding, Severe Storm	4/23/1991
Hurricane Juan	11/1/1985
Severe Storm, Flooding	4/9/1980
Hurricane Carmen	9/23/1974
Severe Storm, Flooding	4/27/1973
Hurricane Edith	10/13/1971
Hurricane Betsy	9/10/1965

*** Benchmark Storms Highlighted**

Allison will be added to the benchmark storm list.

C. **Flooding**

1. **Effects of hurricane Katrina**
   Katrina had a lot of wind damage, but no flood damage.
2. **Effects of hurricane Rita**
   Rita was a federally declared disaster before it made landfall.
3. **Other major flood events**

VI. **PROJECT IDENTIFICATION, EVALUATION, AND PRIORITIZATION**

A. **GOSHEP Training Session Number 1, May 17, 2007**

B. **Discussion of Project Identification**
   Projects discussed will be placed on the preliminary project list.

C. **Discussion of Evaluation and Prioritization—STAPLEE Method**

VII. **DISCUSSION OF CURRENT PLANS**

A. **Louisiana State Hazard Mitigation Plan, April 2005**

1. **Has the parish reviewed and are you generally in agreement with the statewide risk assessment (section 5)?**
   a. **flood—high hazard ranking**

The committee believes that the parish's ranking for flooding should be medium.

b. **high wind (hurricane)—high hazard ranking**
c. **high wind (tornado)—high hazard ranking**
d. **ice storm—low hazard ranking**
e. **storm surge—medium hazard ranking**
The committee believes that the parish's ranking for storm surge should be high.
f. **subsidence (land loss)—high hazard ranking**
g. **wildfire—low hazard ranking**
h. **levee failure—low hazard ranking**
i. **hazardous material incidents—medium hazard ranking**

2. **Do assets exist and are they truly at risk?**
Critical facilities lists from the state plan and the parish plan will be compared to incorporate all critical facilities into both plan updates.

B. Terrebonne Parish Comprehensive Master Plan (October 2003) Page 3-7

1. **The OEP should determine the adequacy of existing local shelters and make recommendations on the feasibility and practicality of construction of other local shelters (b).**
2. **TPCG should flood proof essential community facilities such as power plants, substations and hospitals (c).**
3. **TPCG should reduce the time to construct the Morganza to the Gulf Project. Such means may include, but are not necessarily limited to the providing of more local funds for the construction.**

C. Louisiana's Comprehensive Master Plan for a Sustainable Coast (CPRA), April 2007, CWPPRA, CIAP

D. Emergency Support Function # 14 (ESF-14) List of Projects

E. Current HMP Projects (May 2004)

VIII. CONCLUSION

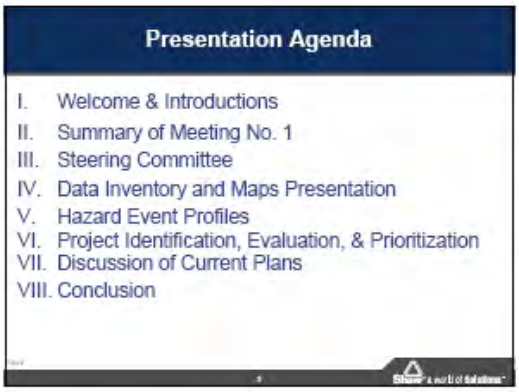
A. Next Phase

1. **Initiate and finalize risk assessments**
2. **Finalize initial list of mitigation projects**
3. **Initiate STAPLEE method evaluation**

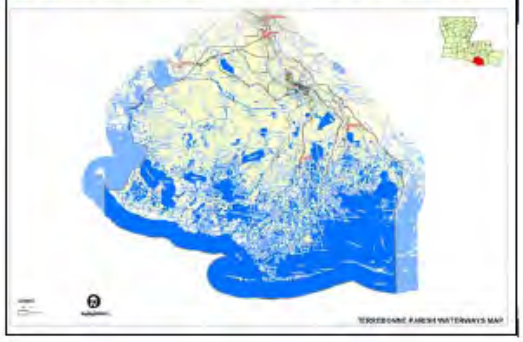
B. Schedule next meeting—approximately 8 weeks in Houma, LA

C. Adjourn

Attachment c1-3.4D
Meeting 2—Power Point Presentation Slides



IV. Data Inventory and Maps Presentation



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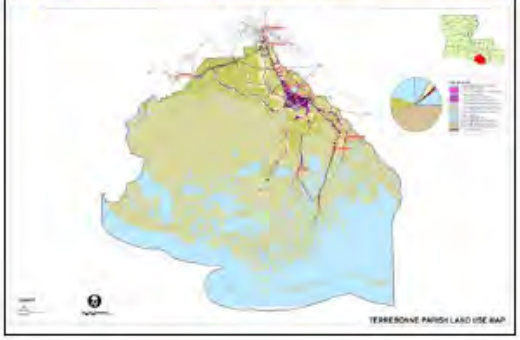

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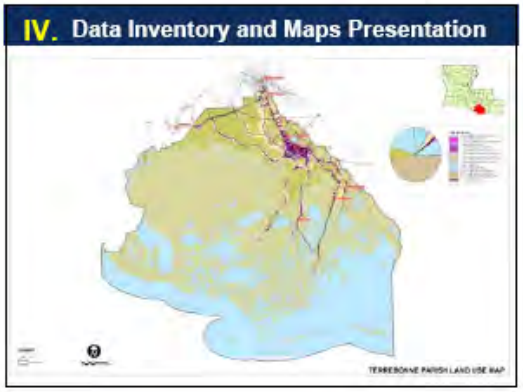

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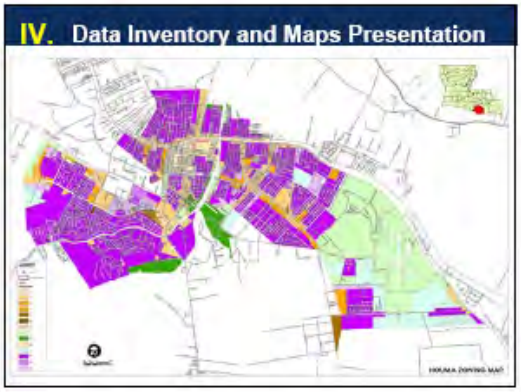

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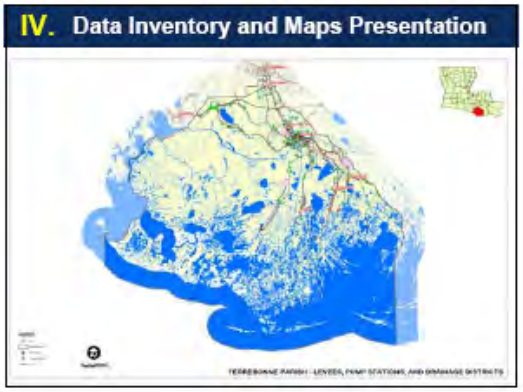

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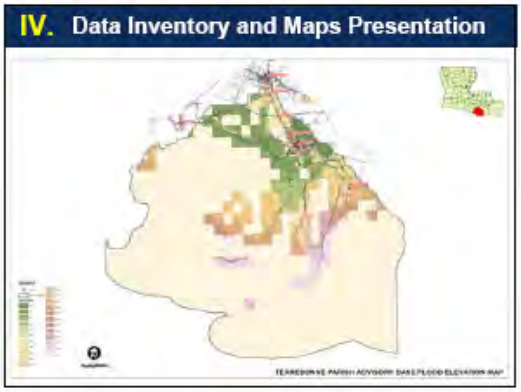

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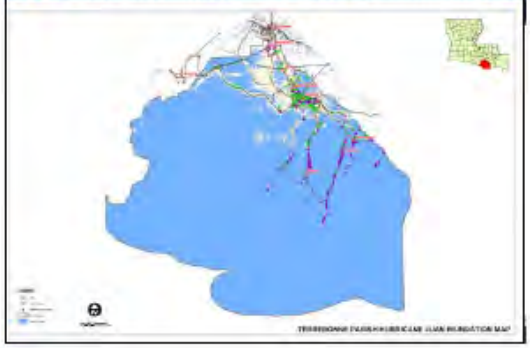

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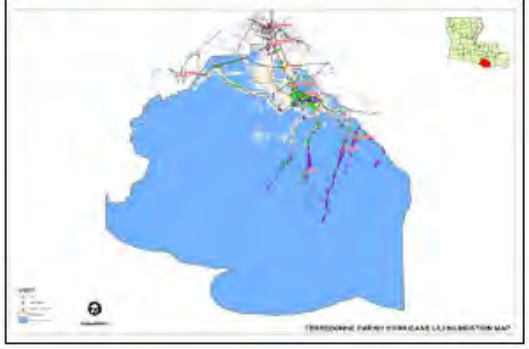

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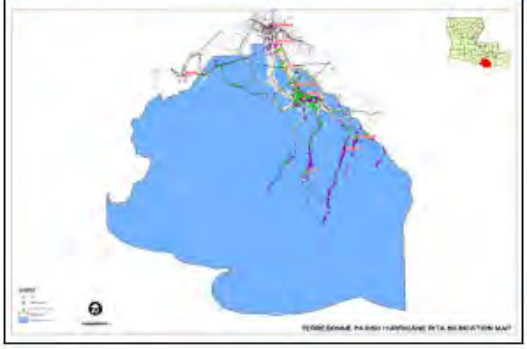

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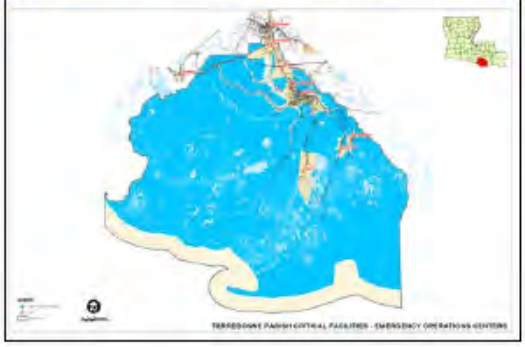

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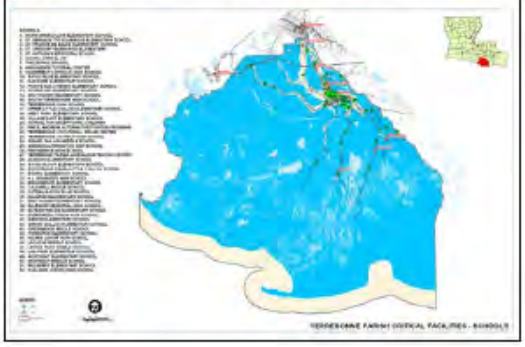

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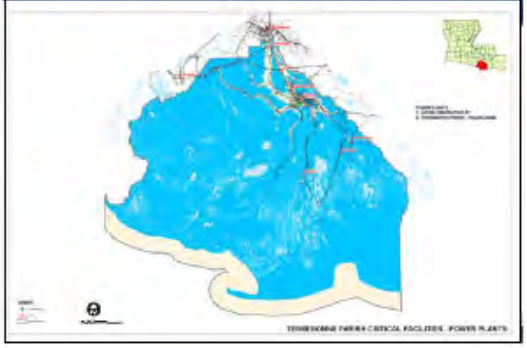

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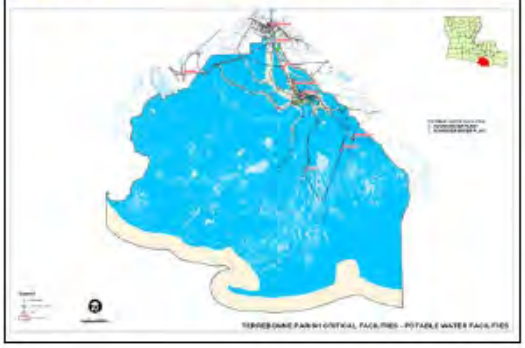

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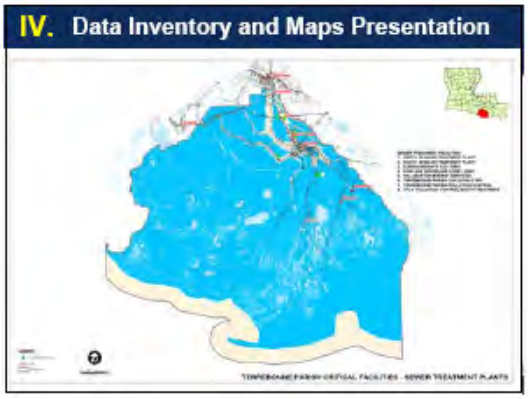

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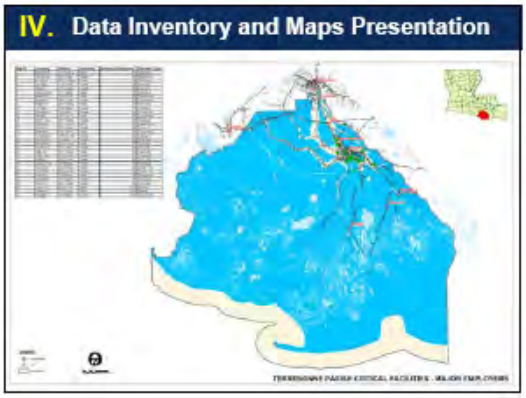

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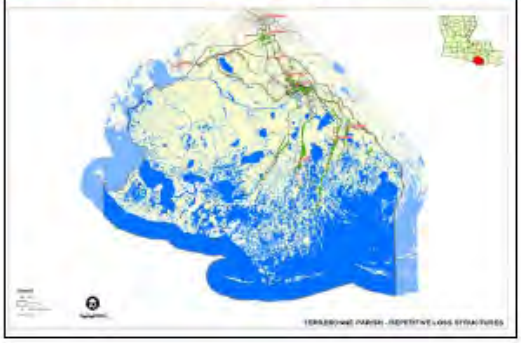

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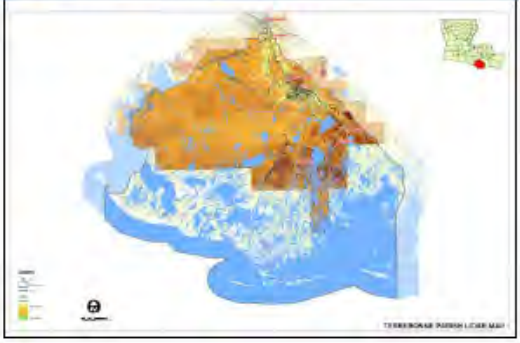


IV. Data Inventory and Maps Presentation

- Places of Strategic Interest
  - Industrial Sites?
  - Grocery Stores?
  - Major Employers?
- Other Key Points of Interest
  - Historical Sites?

V. Hazard Event Profiles

Levee Failure

- Review and discuss responsibilities (federal, parish, city, etc.)
- Does this Hazard Exist?
- State HMP Ranking of Low

Wind

- Parish High Wind Speeds?

V. Hazard Event Profiles

Flooding

- Establish Benchmark Storms (see agenda)
- Effects of Katrina & Rita on the parish
  - Impacts?
  - $ Damage?
  - Loss of Life?
- Effects of Other Storms

VI. Project Identification, Evaluation, & Prioritization

GOSHEP Training Session No. 1, May 17, 2007

Handout 5B: Hazard Mitigation Project Types

- Acquisition
- Elevation
- Mitigation Reconstruction
- Hardening or Retrofitting of Critical Facilities
- Drainage Improvements
- Wet Floodproofing
- Dry Floodproofing
- Community Shelters
- Safe Rooms
- 5% Initiatives

VI. Project Identification, Evaluation, & Prioritization

GOSHEP Training Session No. 1, May 17, 2007

Handout Appendix H: Best Practices for Hazard Mitigation

- Flood
- High Wind (hurricane)
- Storm Surge
- Dam and Levee Failure

Source: Louisiana State Hazard Mitigation Strategy—Volume II, April 16, 2005

VI. Project Identification, Evaluation, & Prioritization

GOSHEP Training Session No. 1, May 17, 2007

Handout 6A: STAPLEE Overview

- Social
- Technical
- Administrative
- Political
- Legal
- Economic
- Environmental/Cultural

Example STAPLEE Scorecards 1 through 4

VI. Project Identification, Evaluation, & Prioritization

VI. Project Identification, Evaluation, & Prioritization

VI. Project Identification, Evaluation, & Prioritization

VI. Project Identification, Evaluation, & Prioritization

VI. Project Identification, Evaluation, & Prioritization

5

VII. Discussion of Current Plans

Louisiana State Hazard Mitigation Plan, April 2005

Have parish officials reviewed and are you in agreement with risk assessments (section 5)?
Focus on:

- Flood
- Storm Surge
- High Wind (hurricane)
- Levee Failure

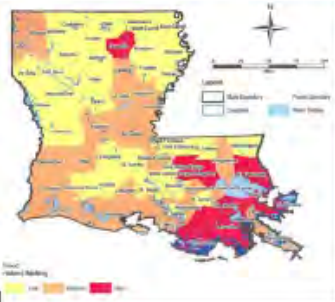
VII. Discussion of Current Plans

Louisiana State Hazard Mitigation Plan, April 2005

Flood

Ranked #4

Average Annual Loss—$2.7 Million



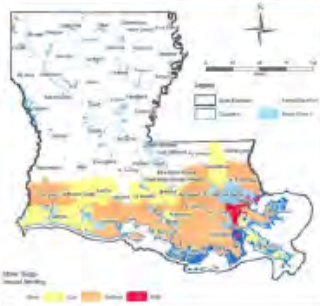
VII. Discussion of Current Plans

Louisiana State Hazard Mitigation Plan, April 2005

Storm Surge

Ranked #3

Average Annual Loss—$2.1 Billion



VII. Discussion of Current Plans

Louisiana State Hazard Mitigation Plan, April 2005

High Wind (hurricane)

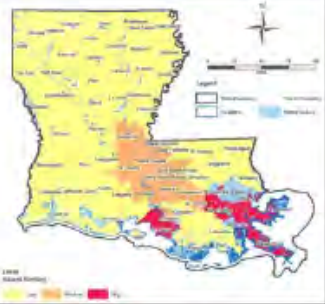
Ranked #3

Average Annual Loss—$52 Million

VII. Discussion of Current Plans

Louisiana State Hazard Mitigation Plan, April 2005

Levee Failure



VII. Discussion of Current Plans

Louisiana State Hazard Mitigation Plan, April 2005

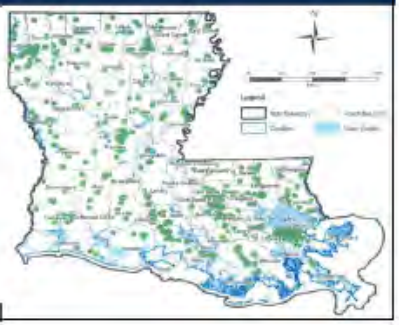
Do Assets Exist and Are They Truly At Risk?

- See Volume II of Plan

VII. Discussion of Current Plans

Louisiana State Hazard Mitigation Plan, April 2005

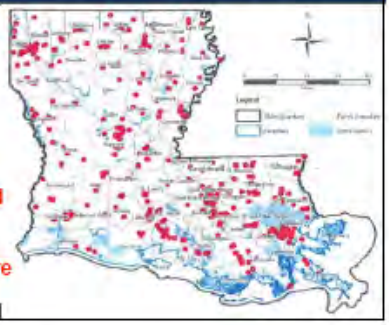
State Owned Assets



VII. Discussion of Current Plans

Louisiana State Hazard Mitigation Plan, April 2005

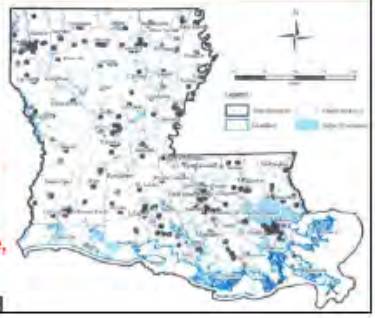
State Owned Critical Facilities & Infrastructure



VII. Discussion of Current Plans

Louisiana State Hazard Mitigation Plan, April 2005

State Owned Critical Facilities & Infrastructure, Ranked



VII. Discussion of Current Plans

- Louisiana State Hazard Mitigation Plan
- Terrebonne Parish Comprehensive Plan
- Louisiana's Comprehensive Master Plan for a Sustainable Coast (CPRA)
- Coastal Wetlands Planning, Protection, and Restoration Act (CWPPRA)
- Coastal Impact Assistance Program (CIAP)
- Terrebonne Parish's Long Term Recovery Plan (ESF-14)
- Current Terrebonne Parish Hazard Mitigation Plan

VIII. Conclusion

A. Next Phase
   1. Initiate & Finalize Risk Assessments
   2. Finalize Initial List of Mitigation Projects
   3. Initiate STAPLEE Method Evaluation

B. Schedule/Locate Next Meeting—Approx. 8 Weeks

C. Adjourn


Contact Information
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Nicole Buranzon
225-389-4134
nicole.buranzon@shawgrp.com

Attachment c1-3.5A
Meeting 3—Advertisement

Manual Search

Smart Search

About LPA

LPA Home

Louisiana Press Association

Your online source
for public notice in Louisiana

Public Notice

County: Terrebonne
Printed In: The Courier
Printed On: 2007/11/02

Public Notice:

P-14635 1t Nov. 2
PUBLIC NOTICE
MEETING ANNOUNCEMENT
TERREBONNE PARISH HAZARD MITIGATION PLAN UPDATE
Terrebonne Parish Consolidated Government 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 public is encouraged to attend this meeting.
Tuesday, November 6, 2007 at 5:00PM
Terrebonne Parish Consolidated Government
Government Towers / Council Meeting Room
8026 Main Street, 2nd Floor
Houma, LA 70360
Please direct questions about the meeting to Nicole Buranzon, Shaw Environmental & Infrastructure, Inc., at (225) 389-4134.
P-14635 1t Nov. 2

Public Notice ID: 6634393.HTM

Attachment c1-3.5B
Meeting 3—Sign-in Sheets

Terrebonne Parish Hazard Mitigation Plan Update Meeting #3
Tuesday, November 6, 2007

Signature	Last Name	First Name	Title	Agency
	Alford	Tony		South Central Industrial Association
	Arnette	Jane	Executive Director	South Central Industrial Association
	Blackwell	Barry	Parish Manager	Terrebonne Parish Consolidated Government
	Bonvillian	Gene	Tax Assessor	Terrebonne Parish Tax Assessor
	Boudreaux	Mark		911 Communications
	Bourg	Tom	Utility Director	Terrebonne Parish Consolidated Government
	Case	Peggy	Executive Director	Terrebonne Parish Readiness and Assistance Coalition
	Dean	Major Mike	Uniform Commander	Terrebonne Parish Sheriff's Office
	DeFraites	Arthur	President	Gulf South Engineering Associates, Inc.
	Deroche	Michael	O.S.H.E.P. Director	Terrebonne Parish Consolidated Government
	Eues	Earl	Member	Houma-Terrebonne Chamber of Commerce
	Foreman	Leesa	Senior Planner	Terrebonne Parish Consolidated Government
	Gardner	Jack	Draftsman	Terrebonne Parish Consolidated Government
	Gordon	Pat	Planning Director	Terrebonne Parish Consolidated Government
	Hebert	Carey "Buddy"	Chairman	President of the Regulatory Planning Commission
	Hewitt	Kevin		Board of Health
	Hornsby	Stephen	General Manager	Water District
	Labat	Paul	Council Clerk	Terrebonne Parish Consolidated Government
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	Peoples	Phyllis		Terrebonne General Medical Center
	Richard	Ed	Superintendent	Terrebonne Parish School Board
	Schexnayder	Phil		Gulf South Engineering Associates, Inc.
	Schwab	Don	Parish President	Terrebonne Parish Consolidated Government
	Scott	Daniel	Fire Chief	

Signature	Last Name	First Name	Title	Agency
	Smith	Kenneth	President/CEO	T. Baker Smith
	Waitz	David	Professional Engineer	David Waitz Engineering & Surveying
	Zeringue	Jerome	Executive Director	Terrebonne Levee & Conservation District
Jeff Lalour	Lalour	Jeffrey	Planner	FEMA
Kevin Ghirardi	Ghirardi	Kevin	V Pof Support Services	Terrebonne General Medical Center

Attachment c1-3.5C
Meeting 3—Meeting Agenda and Summary Meeting Notes

Terrebonne Parish Hazard Mitigation Plan Update
Committee Meeting #3 Agenda with Notes
November 6, 2007

I. WELCOME AND INTRODUCTIONS

II. SUMMARY OF SECOND MEETING

A. Confirmation of Steering Committee

B. Data Inventory and Maps Presentation

The Hurricane Rita Map data is incorrect and the inundation area depicted is worse than the actual event. Mr. Jack Gardner will work with Shaw to get the correct inundation area.

The Repetitive Loss list is incomplete, and Mr. Mitch McDonald will provide Shaw with an updated list (>600 RL properties)

Mr. Jerome Zeringue has a model he will provide to Shaw showing Terrebonne Parish's worst case scenario (the eye of a hurricane passing over Vermilion Bay).

C. Hazard Event Profiles

1. Flooding

a. storm water

b. storm surge (backwater)

c. levee (and floodwall) failure

2. High Winds

D. Project Identification, Evaluation, and Prioritization

E. Discussion of Current Plans (State Hazard Mitigation Plan, CPRA, Terrebonne Parish Comprehensive Master Plan, ESF-14, and Current Hazard Mitigation Plan)

III. DATA INVENTORY AND MAPS PRESENTATION

A. Flood Risk Assessment Maps—Maps used in determining vulnerable facilities

1. Storm water (heavy rain)

2. Storm surge (backwater)

3. Levee (and floodwall) failure

B. Inventory Assets

1. Worksheet #3A—verify data

a. number of structures in parish/hazard areas

b. dollar value of structures in parish/hazard areas

c. number of people in parish/hazard areas

d. input from committee

2. Repetitive loss structures-FEMA list

The Repetitive Loss list presented is incomplete and Mr. Mitch McDonald will provide Shaw with an updated list (>600 RL properties).

C. **Estimated Losses**

1. **Worksheet #4—flooding**

The replacement values, daily operating budget, and displacement costs are low. Shaw will work with various representatives on the committee to ensure that the data is updated to include more accurate values. The committee suggested using NFIP data as a source of operating expenses. Mr. Jack Gardner will provide Shaw with an updated critical facilities list as the list presented seemed to not show the entire parish's list of schools.

a. **structure loss – Task A.1**
b. **contents loss – Task A.2**
c. **function loss – Task A.3**
d. **total loss**

IV. DETERMINE MITIGATION STRATEGIES

A. **Review/Revise Current Mitigation Goals and Objectives**

The committee decided to bring forward their current goals and objectives into the plan update. No changes were proposed.

1. **Identify and pursue preventative measures that will reduce future damages from hazards**
2. **Enhance public awareness and understanding of disaster preparedness**
3. **Reduce repetitive losses in the parish and municipalities**
4. **Facilitate sound development in the parish and municipalities so as to reduce or eliminate the potential impact of hazards**

B. **Review Types of Mitigation Projects**

C. **Review Preliminary Project List**

D. **Discuss New or Additional Projects Based on Risk Assessments and Loss Estimates**

Any new projects to be added to the preliminary project list should be emailed to Nicole Buranzon at nicole.buranzon@shawgrp.com

V. CONCLUSION AND ADJOURN

A. **Next Phase**

The next meeting will be in 4-6 weeks.

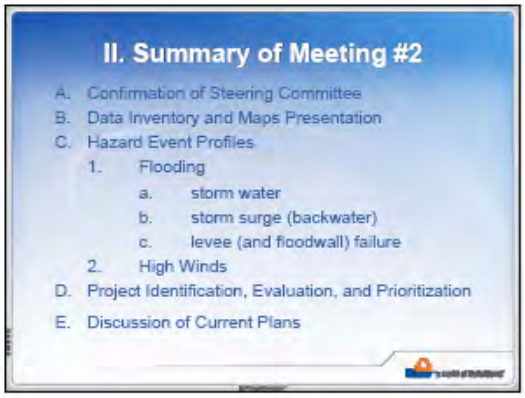
1. **Finalize project list**
2. **Identify and prioritize mitigation measures (initiate STAPLEE)**
   a. **Social—is the mitigation strategy socially acceptable?**
   b. **Technical—is the proposed action technically feasible and cost effective? Does it provide the appropriate level of protection?**
   c. **Administrative—does the parish have the capability to implement the action? Is the lead agency capable of carrying out oversight of the project?**
   d. **Political—is the mitigation action politically acceptable?**
   e. **Legal—does the parish have the authority to implement the proposed measure?**

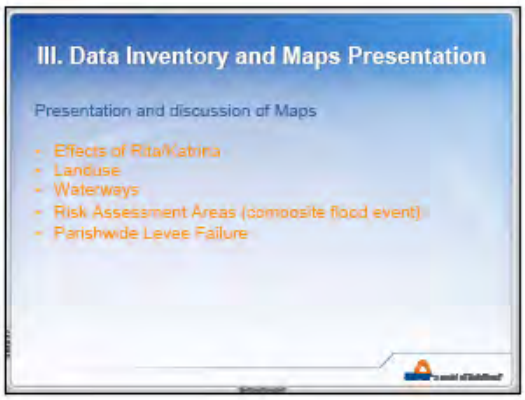
f. **Economic—does the economic base, protected growth and opportunity costs justify the mitigation project?**

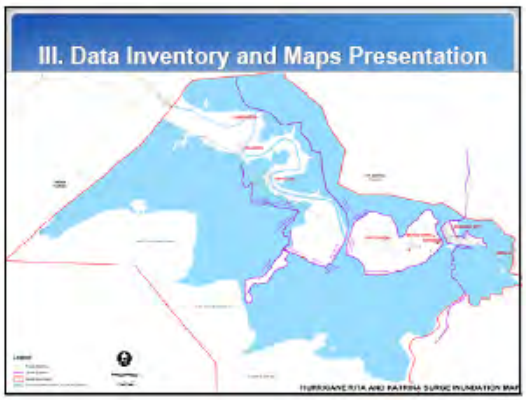
g. **Environmental—does the proposed action meet statutory considerations and public desire for sustainable and environmentally healthy communities?**

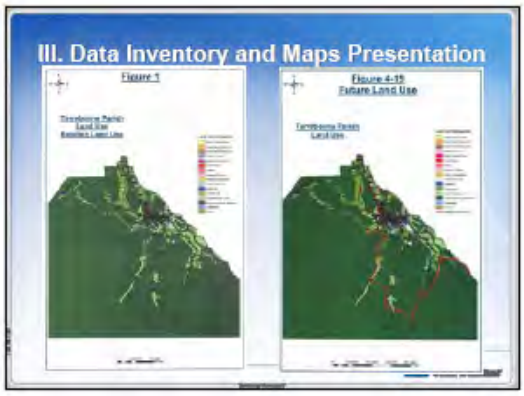
3. **Implementation strategy**
   a. **identify who will implement the mitigation measures**
   b. **identify mitigation funding**
   c. **identify when the mitigation measures should be completed**
4. **Begin scoping projects**

Attachment c1-3.5D
Meeting 3—PowerPoint Presentation Slides

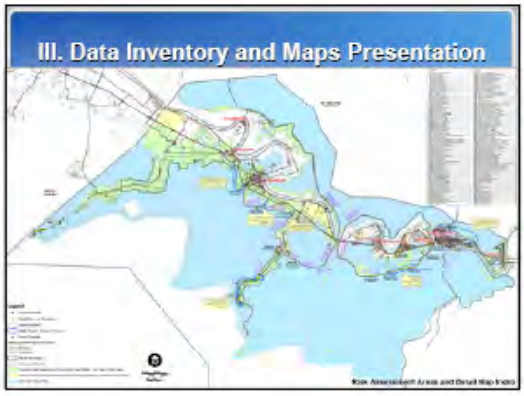


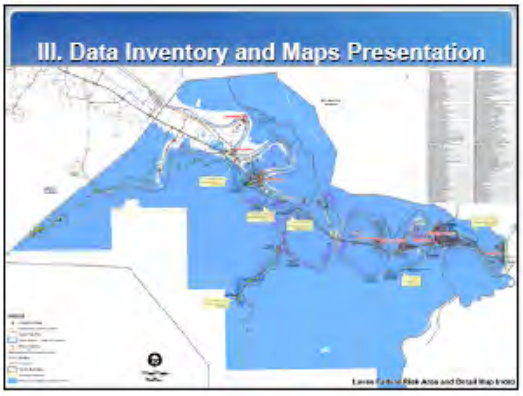


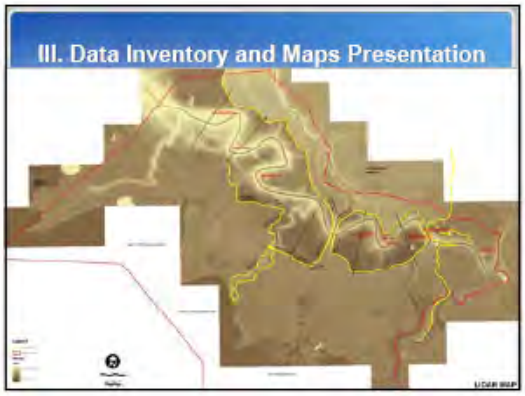



III. Data Inventory and Maps Presentation
Figure 1
Figure 4-15
Future Land Use


III. Data Inventory and Maps Presentation


III. Data Inventory and Maps Presentation


III. Data Inventory and Maps Presentation


III. Data Inventory and Maps Presentation


III. Data Inventory and Maps Presentation

III. Data Inventory and Maps Presentation

III. Data Inventory and Maps Presentation

III. Data Inventory and Maps Presentation

III. Data Inventory and Maps Presentation

Discussion of FEMA Worksheet #3A—Inventory Assets

	Number of Structures			Value of Structures			Number of People		
	# in Community	# in Hazard Area	% in Hazard Area	$ in Community	$ in Hazard Area	% in Hazard Area	# in Community	# in Hazard Area	% in Hazard Area
Total	59,535	31,770	53%	$919,693,700	$275,853,193	45%	104,593	57,636	55%

III. Data Inventory and Maps Presentation

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

- Review list and relevant map
- 147 critical facilities identified
- Total value of structures = $188.8 million
- Est. structure loss from worst case event = $8.1 million
- Contents Loss = $275.6 million
- Structure Use and Function Loss = $45.9 million
- **TOTAL LOSS = $329.7 million**

III. Data Inventory and Maps Presentation

Repetitive Loss Structures

- 547 identified on most recent list provided by GOSHEP
- Total amount of claims by these structures = $39.4 million
- Average claim amount is $72,091.00/structure

VI. Determine Mitigation Strategies

Review/Revise Current Mitigation Goals and Objectives

1. Identify and pursue preventative measures that will reduce future damages from hazards
2. Enhance public awareness and understanding of disaster preparedness
3. Reduce repetitive flood losses in the parish and municipalities
4. Facilitate sound development in the parish and municipalities so as to reduce or eliminate the potential impact of hazards

VI. Determine Mitigation Strategies

Review of Types of Mitigation Projects:

GOSHEP Training Session No. 1, May 17, 2007
Handout 5B: Hazard Mitigation Project Types

- Acquisition
- Elevation
- Mitigation Reconstruction
- Hardening or Retrofitting of Critical Facilities
- Drainage Improvements
- Wet Floodproofing
- Dry Floodproofing
- Community Shelters
- Safe Rooms
- 5% Initiatives

VI. Determine Mitigation Strategies

GOSHEP Training Session No. 1, May 17, 2007
Handout Appendix H: Best Practices for Hazard Mitigation

- Flood
- High Wind (hurricane)
- Storm Surge
- Dam and Levee Failure

Source: Louisiana State Hazard Mitigation Strategy—Volume II, April 15, 2006

VI. Determine Mitigation Strategies

Mitigation Success Stories

- City of Covington, Louisiana (handout)
- For more examples, visit the Association of State Flood Plain Manager's website at www.floods.org.

VI. Determine Mitigation Strategies

Preliminary Project List (handout)

- 92 potential projects identified
  - Grey—not eligible (61)
  - Blue—need additional information (7)
  - White—appear to be eligible (24)

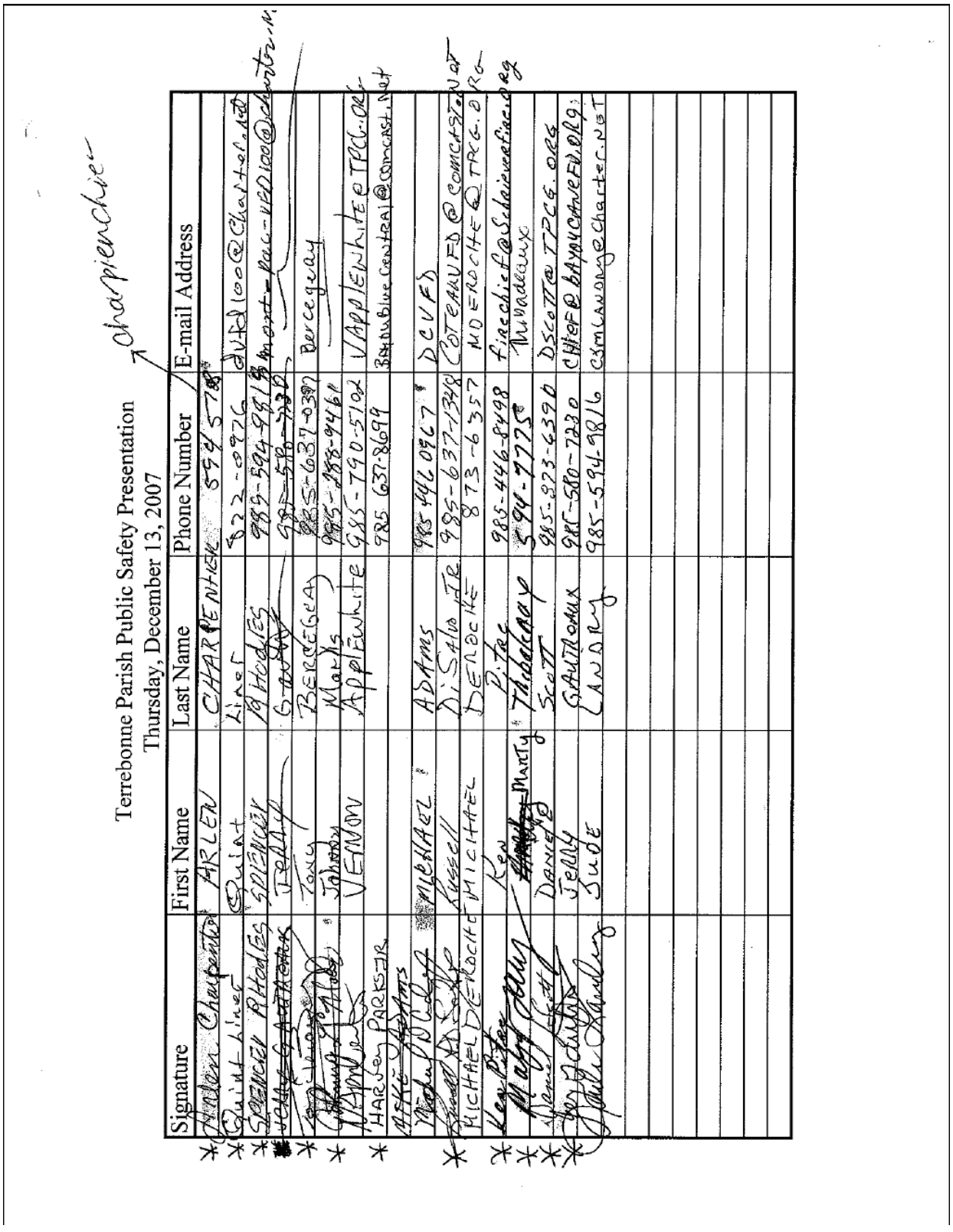
Discussion of New or Additional Projects

V. Conclusions and Adjourn

Next Phase.....

- Finalize project list
- Evaluate and prioritize mitigation measures
  - STAPLEE Method
- Develop Implementation Strategy (who, what, when, how)
- Begin Scoping Projects
- 40% of Scope Complete
- Project Complete in May of 2008

Attachment c1-3.6
Terrebonne Parish Public Safety Presentation—Sign-In Sheet



Terrebonne Parish Public Safety Presentation
Thursday, December 13, 2007

Signature	First Name	Last Name	Phone Number	E-mail Address
	ARLEN	CHARPENTIER	594-5748	
	Quint	Liner	522-0976	dvfd100@Charter.net
	Spencer	Hoadley	985-594-9515	dvfd100@charter.net
	Jerry	Stassi	985-580-7330	
	Tony	Bergeron	985-637-5392	Bercegeray
	Johnny	Marks	985-688-9461	
	Vernon	Applewhite	985-790-5102	VApplewhite@TPCG.org
			985 637-8699	BayouBlue.Central@Comcast.Net
	Michael	Adams	985 446 0967	DCVFD
	Russell	DiSalvo JR	985-637-1348	CoteauVFD@comcast.net
	Michael	Deroche	873-6357	MDeroche@TPCG.org
	Ken	Pitre	985-446-8498	firechief@stladivoatfire.org
	Marty	Thibodeaux	594-7775	Mthibodeaux
	Daniel	Scott	985-873-6390	Dscott@TPCG.org
	Jerry	Guitreau	985-580-7220	Chief@bayouvfd.org
	Jude	Landry	985-594-9816	csmcandrange@charter.net

Attachment c1-3.7A
Meeting 4—Advertisement

Louisiana Press Association

Your online source for public notice in Louisiana

Public Notice

County: Terrebonne
Printed In: The Courier
Printed On: 2008/04/04

Return to Found List New Search
Return To Current Search Criteria

Public Notice:

P-16296 2t March 28, April 18
Public Notice
Meeting Announcement
Terrebonne Parish Hazard Mitigation Plan Update
Terrebonne Parish Consolidated Government 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 public is encouraged to attend this meeting.
Tuesday, April 8, 2008 at 5:00PM
Terrebonne Parish Consolidated Government
Government Towers / Council Meeting Room
8026 Main Street, 2nd Floor
Houma, LA 70360
Please direct questions about the meeting to Nicole Buranzon, Shaw Environmental & Infrastructure, Inc., at (225) 389-4134.
2t March 28, April 18

Public Notice ID: 7169018.HTM

Return to Found List New Search
Return To Current Search Criteria

Terrebonne Parish Hazard Mitigation Plan Update Meeting #4
Tuesday, April 8, 2008

Signature	Last Name	First Name	Title	Agency
	Alford	Tony	[redacted]	South Central Industrial Association
	Arnette	Jane	Executive Director	South Central Industrial Association
	Babin	Danny	Chairman	President of the Regulatory Planning Commission
	Bonvillian	Gene	Tax Assessor	Terrebonne Parish Tax Assessor
	Boudreaux	Mark	Executive Director	911 Communications
T Bourg	Bourg	Tom	Utility Director	Terrebonne Parish Consolidated Government
	Bush	Gregory	Public Works Director	Terrebonne Parish Consolidated Government
	Case	Peggy	Executive Director	Terrebonne Parish Readiness and Assistance Coalition
	Claudet	Michel	Parish President	Terrebonne Parish Consolidated Government
	Dean	Major Mike	Uniform Commander	Terrebonne Parish Sheriff's Office
	DeFraites	Arthur	President	Gulf South Engineering Associates, Inc.
Michael D Deroche	Deroche	Michael	O.S.H.E.P. Director	Terrebonne Parish Consolidated Government
	Eues	Earl	Member	Houma-Terrebonne Chamber of Commerce
	Foreman	Leesa	Senior Planner	Terrebonne Parish Consolidated Government
	Gardner	Jack	Draftsman	Terrebonne Parish Consolidated Government
	Ghirardi	Kevin		Terrebonne General Medical Center
	Gordon	Pat	Planning Director	Terrebonne Parish Consolidated Government
	Hewitt	Kevin	Sanitary and Parish Manager	Board of Health
	Hornsby	Stephen	General Manager	Water District
	Labat	Paul	Council Clerk	Terrebonne Parish Consolidated Government
	Larpenter	Jerry	Sheriff	Terrebonne Parish Sheriff's Office
	Ledet	Lisa	Permits Specialist	Terrebonne Parish Consolidated Government
	Levron	Al	Capital Projects Admin.	Terrebonne Parish Consolidated Government
	Maloz	Simone	[redacted]	South Central Industrial Association
	McDonald	Mitch	Senior Planner	Terrebonne Parish Consolidated Government
	Milford, III	Gene	Professional Engineer	Gene Milford and Associates, Inc.
	Pena	Oscar	Senior Vice President	Shaw Coastal, Inc
	Peoples	Phyllis	CEO	Terrebonne General Medical Center
	Richard	Ed	Superintendent	Terrebonne Parish School Board
	Schexnayder	Phil	[redacted]	Gulf South Engineering Associates, Inc.

Signature	Last Name	First Name	Title	Agency
	Scott	Daniel	Fire Chief	Houma Fire Department
	Smith	Kenneth	President/CEO	T. Baker Smith
	Waitz	David	Professional Engineer	David Waitz Engineering & Surveying
	Zeringue	Jerome	Executive Director	Terrebonne Levee & Conservation District
			Parish Manager	Terrebonne Parish Consolidated Government
	Guidry	Lu		SHAW
	Henderson	Shenetta	GOHSEP Planner	J.WAITZ GOHSEP
	ALFORD	Anthony	TLCD Res.	TLCD
	LaCour	Jeffrey	FEMA-Planning	FEMA
	CHAUDET	Michel	Parish Council	TGMC
	PIZZOLATO	JOHN	COUNCILMAN	TPGC
	Zeringue	Jerome	Exec. Dir.	Terr. Levee & Conservation Dist.
	Hebert	Aaron	Sheriff's Office	Sheriff Office

Attachment c1-3.7C
Meeting 4—STAPLEE Handout

STAPLEE Definitions

S	Social	The project poses no negative impact on the interests of the community or puts any one neighborhood or group at a disadvantage.
T	Technical	The project provides an effective long-term solution to a problem and does not create more problems than it solves.
A	Administrative	The jurisdiction has the adequate staff and funding (25% non-federal match) to implement the project and also can provide the necessary maintenance.
P	Political	The project has adequate political and public support (or lack of opposition).
L	Legal	The jurisdiction has the authority to implement the project and the proper laws, ordinances, and resolutions are in place to do so.
E	Environmental	The project will not adversely affect the environment and will comply with environmental laws and/or historical regulations.
E	Economic	The cost of the project seems reasonable and will not place an unwanted burden on the tax base or local economy.

Attachment c1-3.7D
Meeting 4—STAPLEE Project Prioritization Handout

No.	Project Description	Preliminary Benefit	ROM Cost	S	T	A	P	L	E	E	Total
G1	Texaco Master Meter--Elevate Building, regulating valve and meter	$59,840									
G2	Robinson Canal P.S.-- Elevate Building, electrical pump, regulating valve and meter	$333,568,975									
G3	Lower Dulac Tank--Elevate building and chlorination equipment	$3,787,245									
G4	Bayou Dularge Tank--Elevate building and chlorination equipment	$8,073,355									
G5	Grand Caillou Tank--Elevate building	$2,317,560									
G6	Pointe-Aux Chenes Pump Station-- Elevate building and electrical Pump, regulating valve and meter	$4,455,905									
G7	Houma Plant 3--Install shutters or impact resistant glass on windows, strengthen doors, raise pumps and electrical panels	$147,054,453									

Key: 5 -- Strongly Agree 4 -- Somewhat Agree 3 -- Neither Agree nor Disagree 2 -- Somewhat Disagree 1 -- Strongly Disagree

No.	Project Description	Preliminary Benefit	ROM Cost	S	T	A	P	L	E	E	Total
G8	Munson PS--Elevate Building, electrical pumps, regulating valves and meters, Install Shutters on windows, strengthen the doors	$48,329,248									
G9	Houma Plant High Service--Elevate Pumps and electrical panels, strengthen door	$97,591,525									
G10	South Terrebonne Pump Station--Elevate building and pump	$75,204,805									
G11	Main Office--Install shutters or impact resistant glass on windows, strengthen doors	$480,623,428									
G12	Williams Street Pump Station--elevate pumps and electrical panels, strengthen door	$119,064,500									
G13	Shell PS--Elevate pumps and electrical panels, strengthen door	$3,063,290									
G14	North Terrebonne Standpipe--Strengthen door	$90,293,215									

Key: 5 -- Strongly Agree 4 -- Somewhat Agree 3 -- Neither Agree nor Disagree 2 -- Somewhat Disagree 1 -- Strongly Disagree

No.	Project Description	Preliminary Benefit	ROM Cost	S	T	A	P	L	E	E	Total
G15	West Gibson Tank--Elevate Building and chlorination equipment	$3,063,290									
G16	Bac-T Lab--Install shutters or impact resistant glass on windows, strengthen doors	$333,568,975									
G17	Schriever Plant--Install shutters or impact resistant glass on windows, strengthen doors, elevate pumps	$333,568,975									
G18	Sludge Press Building--Strengthen Doors	$333,568,975									
G19	Lafort Canal RW PS--Elevate pumps and generator, strengthen door	$333,568,975									
G20	Scale Elevation	$486,103,788									
G21	Leachate Removal System Elevation	$486,103,788									
G22	Communications (Fire, Law Enforcement, Parish, Other) Radios 580 Portables, 372 Mobiles	$486,103,788	$2,194,000								

Key: 5 -- Strongly Agree 4 -- Somewhat Agree 3 -- Neither Agree nor Disagree 2 -- Somewhat Disagree 1 -- Strongly Disagree

No.	Project Description	Preliminary Benefit	ROM Cost	S	T	A	P	L	E	E	Total
G23	Wind Hardening -- Fire Stations (central, #2, #3, #4) Shutters	$130,477,075									
G24	Flood Wall and Pump Installation for Terrebonne General	$486,103,788									
G25	Dry Floodproof RL Structure Next to Robinson Canal (Meeting #3)	Individual Unit									
G26	Hardening of Coteau Fire Station to include main structure, apparatus room, generator room doors	$6,719,105									
G27	New Generator for Coteau Fire Station (Natural Gas) that includes change over switch to ensure response to emergency calls	$6,719,105									
G28	Safe room -- Coteau Fire Station	$6,719,105									
G29	Harden Bourg Fire Station -- 2 Bay Doors (22'x10', 14'x10') and 3 Windows (36"x36")	$21,754,735									

Key: 5 -- Strongly Agree 4 -- Somewhat Agree 3 -- Neither Agree nor Disagree 2 -- Somewhat Disagree 1 -- Strongly Disagree

No.	Project Description	Preliminary Benefit	ROM Cost	S	T	A	P	L	E	E	Total
G30	Wind Hardening -- Montague, Pointe Aux Chenes Fire Stations (5 Windows at 1466 Hwy 665, 6 Windows at 407 Island Rd, 6 Windows at 1746 Hwy 55)	$15,702,960									
G31	New Generator for Montegut, Pointe Aux Chenes Fire Stations (need 40-50 KW -- $15,000) (Chief Rhoades)	$15,702,960	$15,000								
G32	Harden Garage Doors (407 Island)	$15,702,960									
G33	Elevate Fire Station 2' (history of flooding, 75'x75' Slab) (1466 Hwy 665)	$15,702,960									
G34	Elevate Montegut Station (100'x75')	$15,702,960									
G35	Wind Hardening -- Window Film (Govt Towers)	$486,103,788									
G36	Civic Center Wind Hardening-- Shutters or Window Film	$486,103,788									

Key: 5 -- Strongly Agree 4 -- Somewhat Agree 3 -- Neither Agree nor Disagree 2 -- Somewhat Disagree 1 -- Strongly Disagree

No.	Project Description	Preliminary Benefit	ROM Cost	S	T	A	P	L	E	E	Total
G37	RL and Severe RL Properties -- Elevation, Acquisition, Mitigation Reconstruction (Parish)	Individual Units									
G38	Four P25 Motorola Communications Consoles to be located within the Terrebonne 911 Cat. 5 Hurricane resistant facility located at 110 Capital Blvd. to be used for Interoperable Communications between all 15 Terrebonne Fire Districts (13 Fire Departments), Law Enforcement Agencies, OEP, Utilities & Parish Departments	$486,103,788	$138,000								
G39	Terrebonne General Medical Center -- Water Storage Tank 1,000,000 Gallons	$486,103,788	$750,000								

Key: 5 -- Strongly Agree 4 -- Somewhat Agree 3 -- Neither Agree nor Disagree 2 -- Somewhat Disagree 1 -- Strongly Disagree

No.	Project Description	Preliminary Benefit	ROM Cost	S	T	A	P	L	E	E	Total
G40	Terrebonne General Medical Center -- Elevate Main Plant Electrical Switch Gear, Boilers, and Chillers	$486,103,788	$275,000								

Key: 5 -- Strongly Agree 4 -- Somewhat Agree 3 -- Neither Agree nor Disagree 2 -- Somewhat Disagree 1 -- Strongly Disagree

Attachment c1-3.7E
Meeting 4—Notes

Terrebonne Parish Hazard Mitigation Plan Update Committee
Meeting No. 4 Notes
Tuesday, August 12, 2008

The Terrebonne Parish Hazard Mitigation Plan Update Committee held their fourth open to the public meeting at the Terrebonne Parish Council Meeting Room in Houma, Louisiana, on Thursday, July 19, 2008. The purpose of the meeting was to prioritize the 41 potentially eligible projects by committee consensus. Handouts included the STAPLEE criteria, project ranking sheets, and the initial project list (including eligible and non-eligible projects to be included in the Hazard Mitigation Plan Update).

Upon review of the eligible project list, the committee concluded that there needed to be further meetings with parish administrators (OEP, Public Works, etc.) to expand the eligible project list to include additional retrofits of government structures. Meetings were scheduled for a later date.

Attachment c1-3.8A
Meeting 5—Advertisement

Public Notice
Meeting Announcement
Terrebonne Parish Hazard Mitigation Plan Update

Terrebonne Parish Consolidated Government 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 next meeting will involve prioritizing the hazard mitigation project list. The public is encouraged to attend this meeting.

Tuesday, October 28, 2008 at 5:00PM
Terrebonne Parish Consolidated Government
Government Towers / Council Meeting Room
8026 Main Street, 2nd Floor
Houma, LA 70360

Please direct questions about the meeting to Nicole Buranzon, Shaw Environmental & Infrastructure, Inc., at (225) 987-7373.

Attachment c1-3.8B
Meeting 5—Sign-In Sheets

Terrebonne Parish Hazard Mitigation Plan Update Meeting #5
Tuesday, October 28, 2008

Signature	Last Name	First Name	Title	Agency
	Alford	Tony		South Central Industrial Association
	Arnette	Jane	Executive Director	South Central Industrial Association
	Babin	Danny	Chairman	President of the Regulatory Planning Commission
	Bonvillian	Gene	Tax Assessor	Terrebonne Parish Tax Assessor
	Boudreaux	Mark	Executive Director	911 Communications
	Bourg	Tom	Utility Director	Terrebonne Parish Consolidated Government
	~~Bush~~	~~Gregory~~	~~Public Works Director~~	~~Terrebonne Parish Consolidated Government~~
	Case	Peggy	Executive Director	Terrebonne Parish Readiness and Assistance Coalition
	Claudet	Michel	Parish President	Terrebonne Parish Consolidated Government
	Dean	Major Mike	Uniform Commander	Terrebonne Parish Sheriff's Office
	DeFraites	Arthur	President	Gulf South Engineering Associates, Inc.
	Eues	Earl	Member	Houma-Terrebonne Chamber of Commerce
	Gerbasi	Jennifer	Planner	Terrebonne Parish Consolidated Government
	Gardner	Jack	Draftsman	Terrebonne Parish Consolidated Government
	Ghirardi	Kevin		
	Gordon	Pat	Interim Parish Manager	Terrebonne Parish Consolidated Government
	Hewitt	Kevin	Sanitary and Parish Manager	Board of Health
	Hornsby	Stephen	General Manager	Water District
	Labat	Paul	Council Clerk	Terrebonne Parish Consolidated Government
	Larpenter	Jerry	Sheriff	Terrebonne Parish Sheriff's Office
	Ledet	Lisa	Permits Specialist	Terrebonne Parish Consolidated Government
	Levron	Al	Capital Projects Admin.	Terrebonne Parish Consolidated Government
	Maloz	Simone		South Central Industrial Association
	McDonald	Mitch	Senior Planner	Terrebonne Parish Consolidated Government
	Milford, III	Gene	Professional Engineer	Gene Milford and Associates, Inc.
	Pena	Oscar	Senior Vice President	Shaw Coastal, Inc
	Peoples	Phyllis	CEO	Terrebonne General Medical Center
	Richard	Ed	Superintendent	Terrebonne Parish School Board
	Schexnayder	Phil		Gulf South Engineering Associates, Inc.

Carmenares Nicar GOHSEP Mitigation Planner

Signature	Last Name	First Name	Title	Agency
	Smith	Kenneth	President/CEO	T. Baker Smith
	Waitz	David	Professional Engineer	David Waitz Engineering & Surveying
	Zeringue	Jerome	Executive Director	Terrebonne Levee & Conservation District
	Bourgeois	Jackie	Resident	
Eugene Hood	Hood	Spencer	Fire Chief	Terrebonne Fire Dist 1 & 6
Barbara Dupre	Dupre	Barbara	Office Manager	TOHSEP
Mary Lou Davis	Davis	Mary Lou	Engineer	TPCG Public Works
Jeffrey Lalonde	Lalonde	Jeffrey	Planner	FEMA
James Pelletti	Pelletti	James	Mit (Permit Office)	FEMA
	Boudreaux	Mark	Exec. Director	Terrebonne 911
Earl Hicks	Hicks	Earl	Airport Director	Houma-Terrebonne Airport Commission
Joseph Slaughter	Slaughter	Joseph	Resident	
Madonna Voisin	Voisin	Madonna	Resident	

Attachment c1-3.8C
Meeting 5—Notes

Terrebonne Parish Hazard Mitigation Plan Update Committee
Meeting No. 5 Notes
Tuesday, October 28, 2008

The Terrebonne Parish Hazard Mitigation Plan Update Committee held their fifth open to the public meeting at the Terrebonne Parish Council Meeting Room in Houma, Louisiana, on Tuesday, October 28, 2008. The purpose of the meeting was to prioritize the 127 potentially eligible projects by committee consensus. Handouts included the STAPLEE criteria, and the list of eligible projects for scoping. The initial project list was also available for review (including eligible and non-eligible projects to be included in the Hazard Mitigation Plan Update).

Each potentially eligible project was evaluated using the STAPLEE criteria, but due to the magnitude of projects, the committee felt it would be a more efficient use of the STAPLEE method to eliminate projects that posed a problem based on the STAPLEE criteria, rather than numerically ranking them individually. No projects were noted to have any issues. All of the 127 projects were feasible based on the STAPLEE criteria.

By consensus, the committee decided that the parish's hazard mitigation priorities are as follows and in no particular order:

1. Drainage Improvement – Crochetville Road Storm Water Diversion Canal with Flap Gates

2. Drainage Improvement – Lower Montegut D-2 Tideflex Valves on Discharge Pipes

3. Floodproofing/Wind Hardening – Terrebonne Parish General Medical Center

4. Floodproofing/Wind Hardening – TPCG Generating Station

5. Floodproofing/Wind Hardening – Consolidated Waterworks Treatment Plant

6. Floodproofing/Wind Hardening – Consolidated Waterworks Treatment Plant

7. Wind Hardening – Government Tower
   8026 Main Street
   Houma, LA 70360

8. Wind Hardening – Houma Municipal Auditorium
   880 Verret St
   Houma, LA 70360

9. Wind Hardening – Houma Police Department
   500 Honduras Street
   Houma, LA 70360

10. Wind Hardening – Houma Power Plant

Attachment c1-3.9A
Meeting 6—Advertisement

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X000179690 PUBLICATION Oct. 30, 2009
Public Notice
Meeting Announcement
Terrebonne Parish Hazard Mitigation Plan Update

Terrebonne Parish Consolidated Government 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 next meeting will be a draft plan review. The public is encouraged to attend this meeting.

Monday, November 2, 2009 at 5:00PM
Terrebonne Parish Consolidated Government
Government Towers / Council Meeting Room
8026 Main Street, 2nd Floor
Houma, LA 70360

Please direct questions about the meeting to Nicole Buranzon, Shaw Environmental & Infrastructure, Inc., at (225) 987-7373.

Attachment c1-3.9B
Meeting 6—Sign-In Sheets

Terrebonne Parish Hazard Mitigation Plan Update Meeting #6
Monday, November 2, 2009

Signature	Last Name	First Name	Title	Agency
	Alford	Tony		South Central Industrial Association
	Arnette	Jane	Executive Director	South Central Industrial Association
	Babin	Danny	Chairman	President of the Regulatory Planning Commission
	Blackwell	Barry	Manager	Water District
	Bonvillian	Gene	Tax Assessor	Terrebonne Parish Tax Assessor
	Boudreaux	Mark	Executive Director	911 Communications
	Bourg	Tom	Utility Director	Terrebonne Parish Consolidated Government
	Bourgeois	Vernon	Sheriff	Terrebonne Parish Sheriff's Office
	Bush	Gregory	Public Works Director	Terrebonne Parish Consolidated Government
	Case	Peggy	Executive Director	Terrebonne Parish Readiness and Assistance Coalition
	Claudet	Michel	Parish President	Terrebonne Parish Consolidated Government
	Dean	Major Mike	Uniform Commander	Terrebonne Parish Sheriff's Office
	DeFraites	Arthur	President	Gulf South Engineering Associates, Inc.
	Dupre	Reggie	Executive Director	Terrebonne Levee & Conservation District
	Eues	Earl	OEP Director	Terrebonne Parish Consolidated Government
	Gerbasi	Jennifer	Planner	Terrebonne Parish Consolidated Government
	Gardner	Jack	Draftsman	Terrebonne Parish Consolidated Government
	Ghirardi	Kevin		
	Gordon	Pat	Planning and Zoning Director	Terrebonne Parish Consolidated Government
	Hewitt	Kevin	Sanitary and Parish Manager	Board of Health
	Labat	Paul	Council Clerk	Terrebonne Parish Consolidated Government
	Ledet	Lisa	Permits Specialist	Terrebonne Parish Consolidated Government
	Levron	Al	Parish Manager	Terrebonne Parish Consolidated Government
	Maloz	Simone		South Central Industrial Association
	Martin	Phillip	Superintendent	Terrebonne Parish School Board
	McDonald	Mitch	Senior Planner	Terrebonne Parish Consolidated Government
	Milford, III	Gene	Professional Engineer	Gene Milford and Associates, Inc.
	Pena	Oscar	Senior Vice President	Shaw Coastal, Inc
	Peoples	Phyllis	CEO	Terrebonne General Medical Center

Signature	Last Name	First Name	Title	Agency
	Richard	Ed	Superintendent	Terrebonne Parish School Board
	Schexnayder	Phil		Gulf South Engineering Associates, Inc.
	Smith	Kenneth	President/CEO	T. Baker Smith
	Waitz	David	Professional Engineer	David Waitz Engineering & Surveying
	Prejean	Jon		
	GIROIR	GERALD		
	King	Clayton	~~FEMA~~ planner	FEMA
	Slayter	David	Deputy Airport Director	Houma-Terrebonne Airport Commission
	Hicks	Earl	Airport Director	Houma-Terrebonne Airport Commission
	Davis	Mary	Engineer	TPCG Public Works
	Parker	Phillip	Engineer	GSE Associates
Al Levron	Levron	Al	Parish Manager	TPCG

Attachment c1-3.9C
Meeting 6—Meeting Notes

Terrebonne Parish Hazard Mitigation Plan Update (HMPU) Committee
Meeting No. 6 Notes
Monday, November 2, 2009

The Terrebonne Parish Hazard Mitigation Plan Update Committee held their sixth open to the public meeting at the Terrebonne Parish Council Meeting Room in Houma, Louisiana, on Monday, November 2, 2009. The purpose of the meeting was to review the draft plan update. The final project list was available for review by meeting attendees.

Topics discussed include the scoping selection process, plan update changes, and timeline for implementation. The draft hazard mitigation plan update and final project scoping summary report were both available for review. No additional comments were received by committee members. Ideas discussed included specific projects currently in the implementation phase of both Katrina/Rita and Gustav/Ike Hazard Mitigation Grant Program funds.

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Attakapas Island WMA
Stephensville
ASSUMPTION
Thibodaux
Des Allemands
Lake Boeuf WMA
Salvador WMA
Schriever
Magnolia
Raceland
Chaeahoula
Gray
Mathews
Gibson
Patterson
Berwick
90
Amelia
24
Savoie
Lockport
ST. MARY
182
Bayou Cane
Humphreys
GIWW
Hollywood
Houma
LAFOURCHE
Waterproof
Mandalay
Larose
Bourg
Klondyke
55
Houma Navigation Canal
57
Pointe aux Chenes
Montegut
Theriot
Pointe Aux Chenes WMA
Chauvin
Point Barre
Grand Caillou
315
Lapeyrouse
Bayou Terrebonne
Atchafalaya Delta WMA
Dulac
Bayou Dularge
Bayou Grand Caillou
56
Cocodrie
Terrebonne Bay
Isles Dernieres Barrier Islands Refuge
Gulf of Mexico

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Legend

- Airports
- Communities
- US Highway
- State/Parish Highway
- Wildlife Management Areas and Refuges
- Municipalities

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TERREBONNE PARISH
HAZARD MITIGATION PLAN UPDATE

ATTACHMENT c2-1

BASE MAP

TERREBONNE PARISH HAZARD MITIGATION PLAN UPDATE
HOUMA, TERREBONNE PARISH, LOUISIANA

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Stephensville
ASSUMPTION
Thibodaux
Des Allemands
Schriever
Magnolia
Raceland
Chaeahoula
Gray
Mathews
Patterson
Berwick
Gibson
90
Amelia
Bayou Black
182
24
Savoie
Lockport
ST. MARY
Bayou Cane
Humphreys
Hollywood
Houma
LAFOURCHE
Waterproof
Mandalay
Larose
Bourg
Klondyke
Bayou Petit Caillou
Gulf Intracoastal Waterway
55
57
Pointe aux Chenes
Montegut
Theriot
Chauvin
Point Barre
Grand Caillou
315
Lapeyrouse
Dulac
56
Bayou Dularge
Bayou Grand Caillou
Bayou Terrebonne
Cocodrie
Bayou Grand Caillou
Terrebonne Bay
Gulf of Mexico

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Legend

US Highway

State/Parish Highway

TERREBONNE PARISH
HAZARD MITIGATION PLAN UPDATE

ATTACHMENT c2-2

WATERWAYS MAP

TERREBONNE PARISH HAZARD MITIGATION PLAN UPDATE
HOUMA, TERREBONNE PARISH, LOUISIANA

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Labadieville
Thibodaux
Des Allemands
Stephensville
ASSUMPTION
Raceland
Schriever
Magnolia
Chaeahoula
Gray
Gibson
Patterson
Berwick
Mathews
Amelia
Lockport
Savoie
ST. MARY
Bayou Cane
Humphreys
Hollywood
Houma
LAFOURCHE
Larose
Waterproof
Mandalay
Bourg
Klondyke
Pointe aux Chenes
Montegut
Theriot
Chauvin
Point Barre
Grand Caillou
Lapeyrouse
Dulac

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Legend

- Pumping Stations
- Flood Gates
- terr_surr_parishes

Type

- Communities
- Levees

Drainage Districts

Area, Name

- 1-1A, Bonanza
- 1-1A, Lake Cresent
- 1-1B, Schriever
- 1-1B, Williams Avenue
- 1-3, Industrial Blvd.
- 1-5, Woodlawn
- 1-7, Baroid
- 1-8, M&L
- 2-1A, Schriever (HWY 20)
- 2-1B, Summerfield
- 3-1A,
- 3-1B,
- 3-1C,
- 3-2, Mayfield
- 4-1,
- 4-1, Upper Montegut
- 4-2A, Smithridge
- 4-2B,
- 4-3A, Pointe Aux Chenes
- 4-3B, HWY 665 (PAC)
- 4-6, Texas Gulf Road
- 4-8, Lower Montegut
- 5-1A, Lowre Little Cayou
- 5-1B, Upper Little Cayou
- 6-1A, Gibson
- 6-1B,
- 6-1B, Bayou Black Marina
- 6-1B, Cavalier Trailer Park
- 6-1B, Geraldine Road
- 6-1B, Tiger Bayou
- 6-1C,
- 6-1C, Deadwood (Sub.)
- 6-1C, Gibson Recreation
- 6-2A, Donner
- 8-1, Lower Bayou Dularge
- 8-2, Bayou Dularge (Voison)
- 8-2A, Tina Street
- 8-2B, Crozier Drive
- 8-2B, Highridge
- 8-2B, Le Compte Lane
- 8-2C,
- 8-2D, Upper Bayou Dularge
- D-06, Boudreux Canal
- D-09, Ashland
- D-31, Chacahoula
- D-33, St. Louis Canal Road
- D-36, Cane Break
- D-38, Concord
- D-39, Barataria
- D-48, Deadwood "C"
- D-50, Greenwood
- D-52, Kreamer/Maplewood
- D-53, Ellendale
- D-60,

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TERREBONNE PARISH
HAZARD MITIGATION PLAN UPDATE

ATTACHMENT c2-3

LEVEES, PUMP STATIONS, AND DRAINAGE DISTRICTS

TERREBONNE PARISH HAZARD MITIGATION PLAN UPDATE
HOUMA, TERREBONNE PARISH, LOUISIANA

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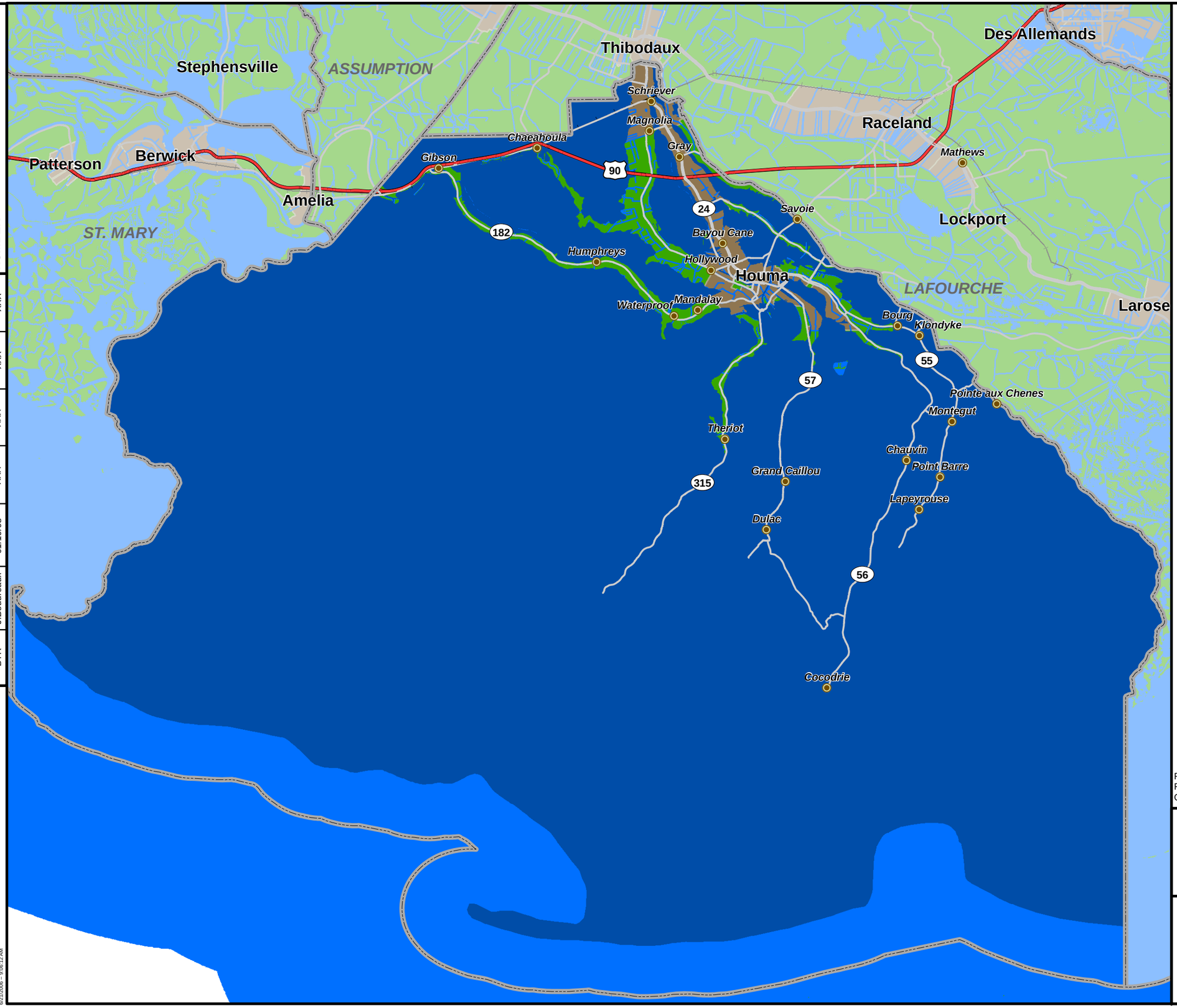

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Legend

US Highway

State/Parish Highway

ZONE

100 Year Flood Zone

REFERENCE:
FEMA Flood Zones Produced From FEMA Q3 Flood Data and Obtained From Louisiana State GIS CD.

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TERREBONNE PARISH
HAZARD MITIGATION PLAN UPDATE

ATTACHMENT c2-4

FEMA FLOOD MAP

TERREBONNE PARISH HAZARD MITIGATION PLAN UPDATE
HOUMA, TERREBONNE PARISH, LOUISIANA

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Stephensville
ASSUMPTION
Thibodaux
Des Allemands
Schriever
Magnolia
Raceland
Chaeahoula
Gray
Mathews
Patterson
Berwick
Gibson
90
Amelia
24
Savoie
Lockport
ST. MARY
182
Bayou Cane
Humphreys
Hollywood
Houma
LAFOURCHE
Waterproof
Mandalay
Larose
Bourg
Klondyke
55
57
Pointe aux Chenes
Montegut
Theriot
Chauvin
Point Barre
Grand Caillou
315
Lapeyrouse
Dulac
56
Cocodrie

ABFE Zones
- A 5
- A 6
- A 7
- A 8
- AE 4
- AE 5
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- VE 16
- VE 17

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Legend

US Highway

State/Parish Highway

REFERENCE:
ABFE Data Obtained From FEMA Flood Recovery Data Page.

TERREBONNE PARISH
HAZARD MITIGATION PLAN UPDATE

ATTACHMENT c2-5

ABFE MAP

TERREBONNE PARISH HAZARD MITIGATION PLAN UPDATE
HOUMA, TERREBONNE PARISH, LOUISIANA

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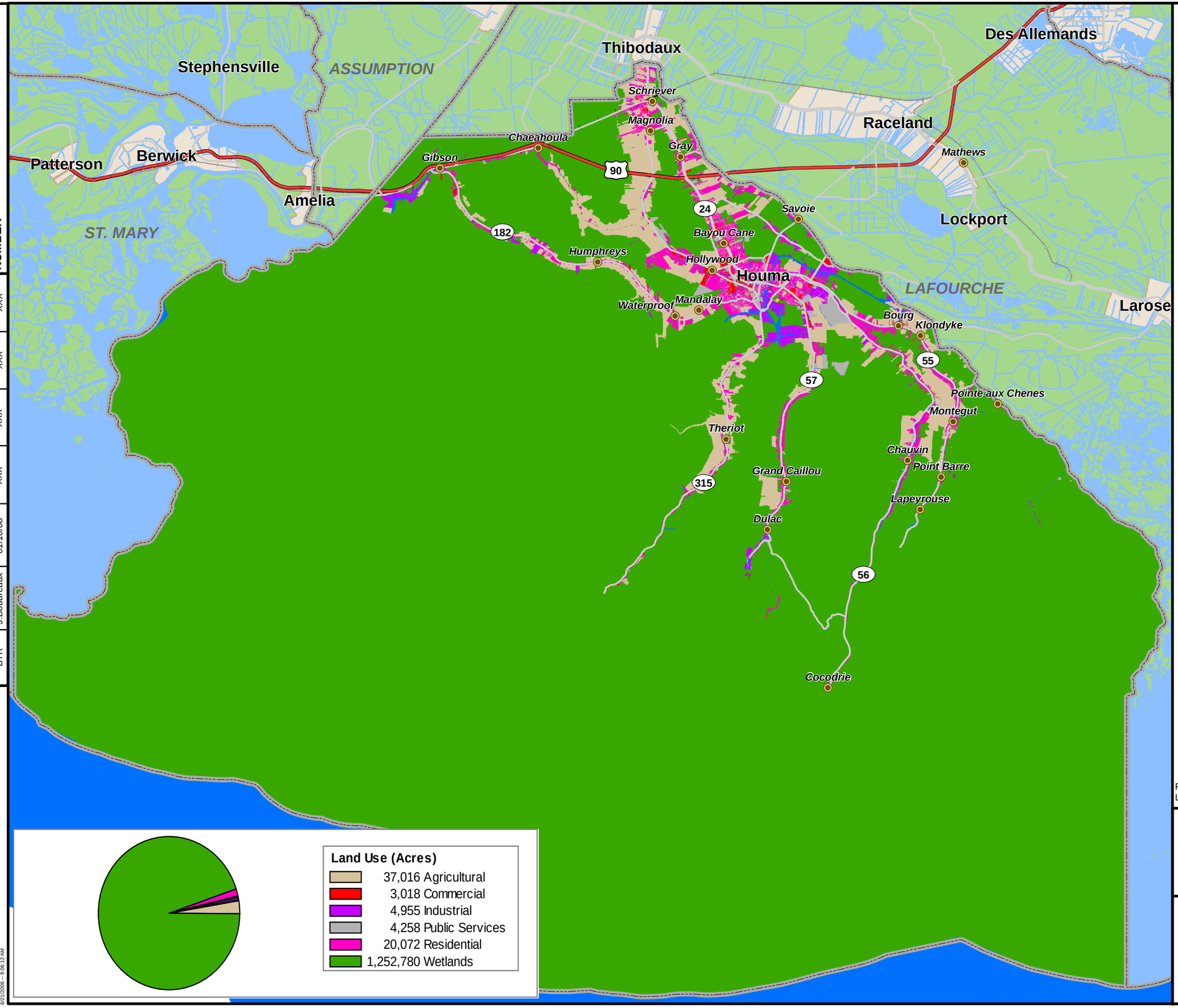

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Legend

US Highway

State/Parish Highway

REFERENCE:
Land Use Data Obtained From Terrebonne Parish GIS Group.

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TERREBONNE PARISH
HAZARD MITIGATION PLAN UPDATE

ATTACHMENT c2-6

LAND USE MAP

TERREBONNE PARISH HAZARD MITIGATION PLAN UPDATE
HOUMA, TERREBONNE PARISH, LOUISIANA

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Stephensville
ASSUMPTION
Thibodaux
Des Allemands
Schriever
Magnolia
Raceland
Chaeahoula
Gray
Gibson
Mathews
Patterson
Morgan City
90
Amelia
24
Savoie
Lockport
ST. MARY
182
Bayou Cane
Humphreys
Hollywood
Houma
LAFOURCHE
Mandalay
Larose
Bourg
Klondyke
Waterproof
Pointe aux Chenes
57
Montegut
Theriot
Chauvin
Grand Caillou
Point Barre
315
Lapeyrouse
Dulac
56
Cocodrie

Map ID	Name
1	North Sewage Treatment Plant
2	South Sewage Treatment Plant
3	EUREKA HEIGHTS S/D-GRAY
4	FAIRLANE SEWERAGE CORP-GRAY
5	HALLIBURTON ENERGY SERVICES
6	TERREBONNE PARISH CON GOV-CYPR
7	TERREBONNE PARISH POLLUTION CONTROL
8	TPCG POLLUTION CONTROL SOUTH TREATMENT PLANT

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Legend

- Sewer Treatment Facilities
- US Highway
- State/Parish Highway

ZONE

- 100 Year Flood Zone

REFERENCE:
FEMA Flood Zones Produced From FEMA Q3 Flood Data and Obtained From Louisiana State GIS CD.

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TERREBONNE PARISH
HAZARD MITIGATION PLAN UPDATE

ATTACHMENT c2-7

CRITICAL FACILITIES - SEWER TREATMENT FACILITIES

TERREBONNE PARISH HAZARD MITIGATION PLAN UPDATE
HOUMA, TERREBONNE PARISH, LOUISIANA

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	J Boudreaux
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Map ID	Name
1	Schriever Elementary
2	Caldwell Middle
3	H. L. Bourgeois High
4	Evergreen Junior High
5	Oakshire Elementary
6	Andrew Price
7	Acadian Elementary
8	Broadmoor Elementary
9	St. Bernadette
10	Coteau-Bayou Blue Elementary
11	East Houma Elementary
12	Ellender Memorial High
13	Elysian Fields MIddle
14	Oaklawn Junior High
15	Honduras Elementary
16	Terrebonne High
17	South Louisiana Trade School
18	Houma Junior High
19	Legion Park Middle
20	Mulberry Elementary
21	Southdown Elementary
22	South Terrebonne High
23	Vandebilt Catholic High
24	Village East Elementary
25	West Park Elementary
26	Terrebonne Voc Rehab
27	Terrebonne Voc Tech High
28	Genesis Alternative High
29	Lisa Park Elementary
30	Bayou Cane Adult Ed Center
31	Annunziata
32	Holy Rosary
33	Maria Immacolata Elementary
34	St. Gregory Barbarigo
35	St. Matthew's
36	St. Francis De Sales
37	East Street
38	TARC
39	Grand Caillou Middle
40	Dularge Middle
41	Dularge Elementary
42	Grand Caillou Elementary
43	Montegut Middle
44	Montegut Elementary
45	Gibson Elementary
46	Greenwood Middle
47	Bayou Black Elementary
48	Upper Little Caillou Elementary
49	Lacache Middle
50	Little Caillou Elementary
51	Point-aux-Chenes Elementary
52	Bourg Elementary
53	Boudreaux Canal Elementary
54	Bayou Blue Elementary
55	South Louisiana Beauty College
56	Omega Institute of Cosmetology
57	Jane Community Home

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Legend

- Schools
- US Highway
- State/Parish Highway

ZONE

- 100 Year Flood Zone

REFERENCE:
FEMA Flood Zones Produced From FEMA Q3 Flood Data and Obtained From Louisiana State GIS CD.

TERREBONNE PARISH
HAZARD MITIGATION PLAN UPDATE

ATTACHMENT c2-8

CRITICAL FACILITIES - SCHOOLS

TERREBONNE PARISH HAZARD MITIGATION PLAN UPDATE
HOUMA, TERREBONNE PARISH, LOUISIANA

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Stephensville
ASSUMPTION
Thibodaux
Des Allemands
Schriever
Magnolia
Raceland
Chaeahoula
Gray
Mathews
Patterson
Berwick
Gibson
90
Amelia
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Savoie
Lockport
ST. MARY
182
Bayou Cane
Humphreys
Hollywood
Houma
LAFOURCHE
Larose
Waterproof
Mandalay
Bourg
Klondyke
55
57
Pointe aux Chenes
Montegut
Theriot
Chauvin
Point Barre
Grand Caillou
315
Lapeyrouse
Dulac
56
Cocodrie

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Legend

- Emergency Operations Center
- US Highway
- State/Parish Highway

ZONE

- 100 Year Flood Zone

REFERENCE:
FEMA Flood Zones Produced From FEMA Q3 Flood Data and Obtained From Louisiana State GIS CD.

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TERREBONNE PARISH
HAZARD MITIGATION PLAN UPDATE

ATTACHMENT c2-9

CRITICAL FACILITIES - EMERGENCY OPERATIONS CENTER

TERREBONNE PARISH HAZARD MITIGATION PLAN UPDATE
HOUMA, TERREBONNE PARISH, LOUISIANA

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Map ID	Name
1	Bourg VFD
2	Houma Fire Department
3	Houma Fire Department
4	Houma Fire Department
5	Houma Fire Department
6	Houma Fire Department
7	Bayou Black VFD
8	Bayou Cane VFD
9	Bayou Dularge VFD
10	Little Caillou VFD
11	Montagut/Pointe-Aux-Chenes VFD
12	Grand Caillou VFD
13	Bayou Dularge VFD
14	Little Caillou VFD
15	Montagut/Pointe-Aux-Chenes VFD
16	Bayou Cane VFD
17	Houma Fire Department
18	Bayou Cane VFD
19	Bayou Cane VFD
20	Grand Caillou VFD
21	Little Caillou VFD
22	Coteau VFD
23	Village East VFD
24	Gibson East VFD
25	Donner-Chacahoula VFD
26	Bayou Blue VFD
27	Gibson VFD
28	Schriever VFD
29	Grand Caillou VFD
30	Grand Caillou VFD
31	Grand Caillou VFD
32	Bayou Dularge VFD
33	Bayou Dularge VFD
34	Montegut/Pointe-Aux-Chenes VFD
35	Montegut/Pointe-Aux-Chenes
36	Schriever VFD
37	Schriever VFD
38	Bayou Blue VFD
39	Bayou Blue VFD
40	Bayou Black VFD

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Legend

- Fire Stations
- US Highway
- State/Parish Highway

ZONE

- 100 Year Flood Zone

REFERENCE:
FEMA Flood Zones Produced From FEMA Q3 Flood Data and Obtained From Louisiana State GIS CD.

TERREBONNE PARISH
HAZARD MITIGATION PLAN UPDATE

ATTACHMENT c2-10

CRITICAL FACILITIES - FIRE STATIONS

TERREBONNE PARISH HAZARD MITIGATION PLAN UPDATE
HOUMA, TERREBONNE PARISH, LOUISIANA

DRAWING NUMBER	terr_184_0008_polstat_11x17_TB
APPROVED BY	XXX
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CHECKED BY	XXX
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DRAWN BY	01/10/08
	J.Boudreaux
OFFICE	BTR

Map Document: (G:\GIS Data\ArcGIS\Templates\SHAW_Tabloid\Landscape_RightLegend.mxd)
6/21/2006 - 9:06:12 AM

Map ID	Police Stations
1	Houma Police Department
2	Terrebonne Parish Sheriff's Office

30,000 15,000 0 30,000 Feet

1:350,000

Legend

- Police Stations
- US Highway
- State/Parish Highway

ZONE

- 100 Year Flood Zone

REFERENCE:
FEMA Flood Zones Produced From FEMA Q3 Flood Data and Obtained From Louisiana State GIS CD.

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TERREBONNE PARISH
HAZARD MITIGATION PLAN UPDATE

ATTACHMENT c2-11

CRITICAL FACILITIES - POLICE STATIONS

TERREBONNE PARISH HAZARD MITIGATION PLAN UPDATE
HOUMA, TERREBONNE PARISH, LOUISIANA

DRAWING NUMBER: terr_184_0007_hospitals_11x17_TB

APPROVED BY	XXX	
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CHECKED BY	XXX	
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Map Document: (G:\GIS Data\ArcGIS\Templates\SHAW_Tabloid\Landscape_RightLegend.mxd) 6/21/2006 - 9:06:12 AM

Stephensville
ASSUMPTION
Thibodaux
Des Allemands
Schriever
Magnolia
Raceland
Chaeahoula
Gray
Mathews
Gibson
Morgan City
Patterson
Berwick
90
Amelia
Savoie
24
Lockport
ST. MARY
Bayou Cane
182
Humphreys
Hollywood
Houma
LAFOURCHE
Larose
Mandalay
Bourg
Klondyke
Waterproof
55
57
Pointe aux Chenes
Montegut
Theriot
Chauvin
Point Barre
Grand Caillou
315
Lapeyrouse
Dulac
56
Cocodrie

Map ID	Name
1	The Suites at Sugar Mill Point
2	Heritage Manor of Houma
3	The Homestead
4	Maison Deville
5	Chateau Terrebonne Health Care
6	Terrebonne House
7	Bonne Terre Village
8	Terrebonne General Medical Center
9	Chabert Medical Center
10	Physician's Surgical Specialty Hospital

N

30,000 15,000 0 30,000 Feet

1:350,000

Legend

- Health Care Providers
- US Highway
- State/Parish Highway

ZONE

- 100 Year Flood Zone

REFERENCE:
FEMA Flood Zones Produced From FEMA Q3 Flood Data and Obtained From Louisiana State GIS CD.

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TERREBONNE PARISH
HAZARD MITIGATION PLAN UPDATE

ATTACHMENT c2-12

CRITICAL FACILITIES - HOSPITALS

TERREBONNE PARISH HAZARD MITIGATION PLAN UPDATE
HOUMA, TERREBONNE PARISH, LOUISIANA

DRAWING NUMBER	terr_184_0012_powerplants_11x17_TB
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	XXX
CHECKED BY	XXX
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DRAWN BY	01/10/08
	J.Boudreaux
OFFICE	BTR

Map Document: (G:\GIS Data\ArcGIS\Templates\SHAW_Tabloid\Landscape_RightLegend.mxd)
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Stephensville
ASSUMPTION
Thibodaux
Des Allemands
Schriever
Magnolia
Raceland
Chaeahoula
Gray
Mathews
Gibson
Patterson
Berwick
90
Amelia
24
Savoie
Lockport
ST. MARY
182
Bayou Cane
Humphreys
Hollywood
Houma
LAFOURCHE
Waterproof
Mandalay
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Larose
Bourg
Klondyke
55
57
Pointe aux Chenes
Montegut
Theriot
Chauvin
Point Barre
Grand Caillou
315
Lapeyrouse
Dulac
56
Cocodrie

Map ID	Power Facilities
1	HOUMA GENERATING ST.
2	TERREBONNE PARISH - HOUMA GENE

N

30,000 15,000 0 30,000 Feet

1:350,000

Legend

- Power Facilities
- US Highway
- State/Parish Highway

ZONE

- 100 Year Flood Zone

REFERENCE:
FEMA Flood Zones Produced From FEMA Q3 Flood Data and Obtained From Louisiana State GIS CD.

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TERREBONNE PARISH
HAZARD MITIGATION PLAN UPDATE

ATTACHMENT c2-13

CRITICAL FACILITIES - POWER PLANTS

TERREBONNE PARISH HAZARD MITIGATION PLAN UPDATE
HOUMA, TERREBONNE PARISH, LOUISIANA

DRAWING NUMBER: terr_184_0013_potwat_11x17_TB

APPROVED BY: XXX | XXX

CHECKED BY: XXX | XXX

DRAWN BY: J.Boudreaux 01/10/08

OFFICE: BTR

Map Document: (G:\GIS Data\ArcGIS\Templates\SHAW_TabbodLaJnb.cape_RightLegend.mxd) 6/21/2008 – 9:06:12 AM

Stephensville
ASSUMPTION
Thibodaux
Des Allemands
Schriever
Raceland
Chaeahoula
Magnolia
Gray
Mathews
Patterson
Morgan City
Gibson
90
Amelia
Savoie
Lockport
ST. MARY
24
182
Bayou Cane
Hollywood
Houma
Humphreys
Mandalay
LAFOURCHE
Larose
Bourg
Klondyke
Waterproof
57
Pointe aux Chenes
Montegut
Theriot
Chauvin
Grand Caillou
Point Barre
315
Lapeyrouse
Dulac
56
Cocodrie

Map ID	Potable Water Facilities
1	Houma Water Plant
2	Schriever Water Plant
3	Hanson SG
4	Texaco Master Meter
5	Cocodrie Tank
6	Robinson Canal Pump Station
7	Robinson Canal Tank
8	Lower Dulac Tank
9	Boudreaux Canal Pump Station
10	Dulac Pump Station
11	Dulac Tank
12	Bayou Dularge Tank
13	Grand Caillou Tank
14	Theriot Tank
15	Chauvin Tank
16	Montegut Tank
17	Benoit Pump Station
18	Pointe-Aux-Chenes Tank
19	Pointe-Aux-Chenes Pump Station
20	Klondyke Tank
21	Waterproof RW PS
22	Minors SG
23	Presque Isle PS
24	Intracoastal RW Pump Station
25	Bayou Black RW Pump Station
26	Houma Plant 3
27	Munson PS
28	Houma GS 1
29	Houma GS 2
30	Houma Plant High Service
31	Houma GS3
32	Dumas Tank
33	South Terrebonne Standpipe
34	South Terrebonne PS
35	Main Office
36	Legion Building
37	Bayou Black Tank
38	Williams Street PS
39	Elliot Jones
40	Shell PS
41	North Terrebonne Standpipe
42	West Gibson Tank
43	Gibson Tank
44	Bac-t Lab
45	Schriever Plant
46	Andrew Price Regulator
47	Schriever GS2
48	Sludge Press Building
49	Schriever GS1
50	Lafort Canal RW PS
51	Schriever Tank
52	Blimp Base PS

30,000 15,000 0 30,000 Feet

1:350,000

Legend

- Potable Water Facilities
- US Highway
- State/Parish Highway

ZONE

- 100 Year Flood Zone

REFERENCE:
FEMA Flood Zones Produced From FEMA Q3 Flood Data and Obtained From Louisiana State GIS CD.

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TERREBONNE PARISH
HAZARD MITIGATION PLAN UPDATE

ATTACHMENT c2-14

CRITICAL FACILITIES - POTABLE WATER FACILITIES

TERREBONNE PARISH HAZARD MITIGATION PLAN UPDATE
HOUMA, TERREBONNE PARISH, LOUISIANA

DRAWING NUMBER	terr_184_0027_lidar_11x17_TB
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	J.Boudreaux
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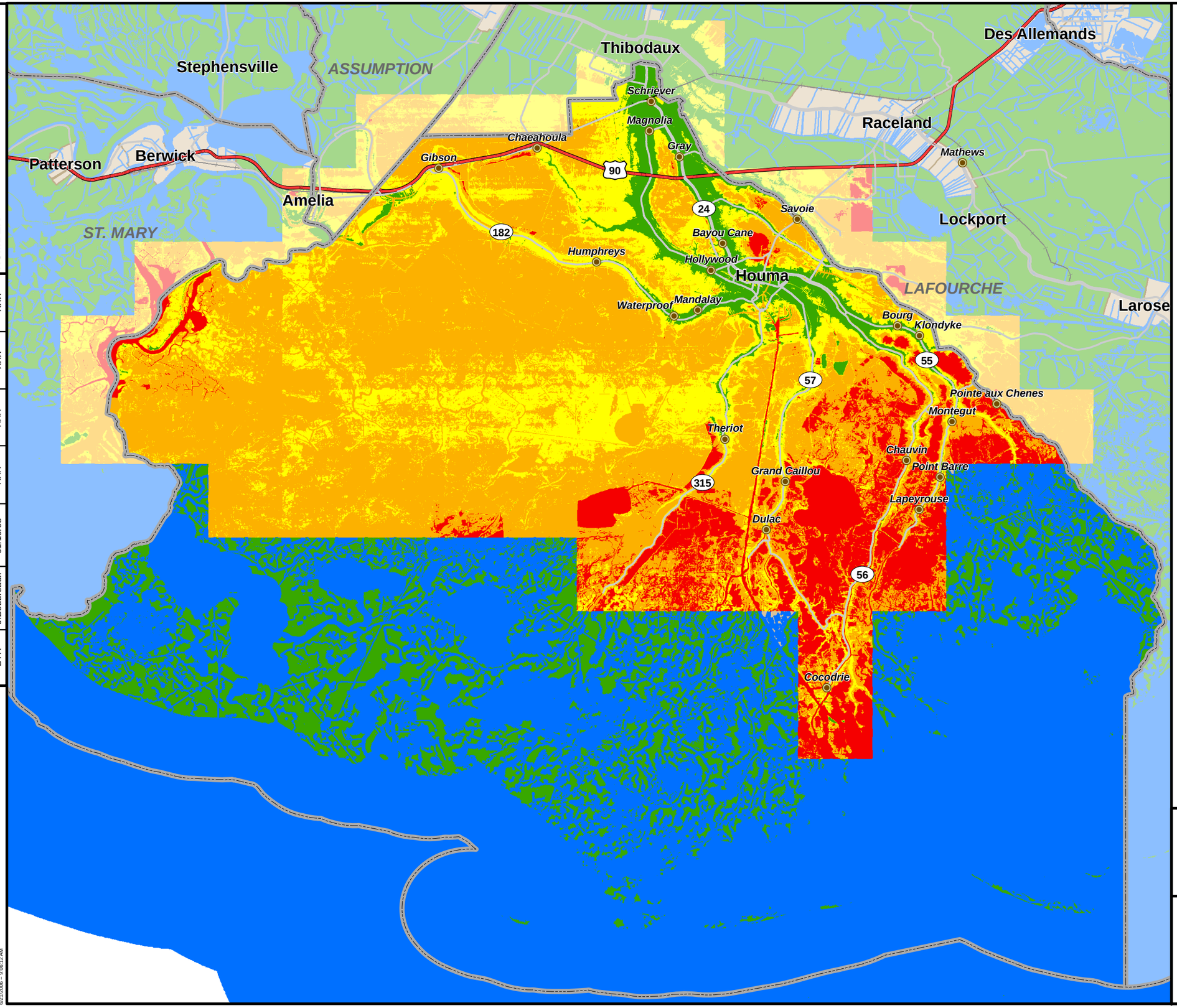

30,000 15,000 0 30,000 Feet

1:350,000

Legend

- US Highway
- State/Parish Highway

Lidar

- 0' and Below
- 0' - 2'
- 2' - 5'
- 5' and above

REFERENCE:
USGS LIDAR Data Elevations Obtained From LSU's Atlas Website For Terrebonne, Louisiana.

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TERREBONNE PARISH
HAZARD MITIGATION PLAN UPDATE

ATTACHMENT c2-15

LIDAR MAP

TERREBONNE PARISH HAZARD MITIGATION PLAN UPDATE
HOUMA, TERREBONNE PARISH, LOUISIANA

DRAWING NUMBER	terr_184_0018_betsy_11x17_TB
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	XXX
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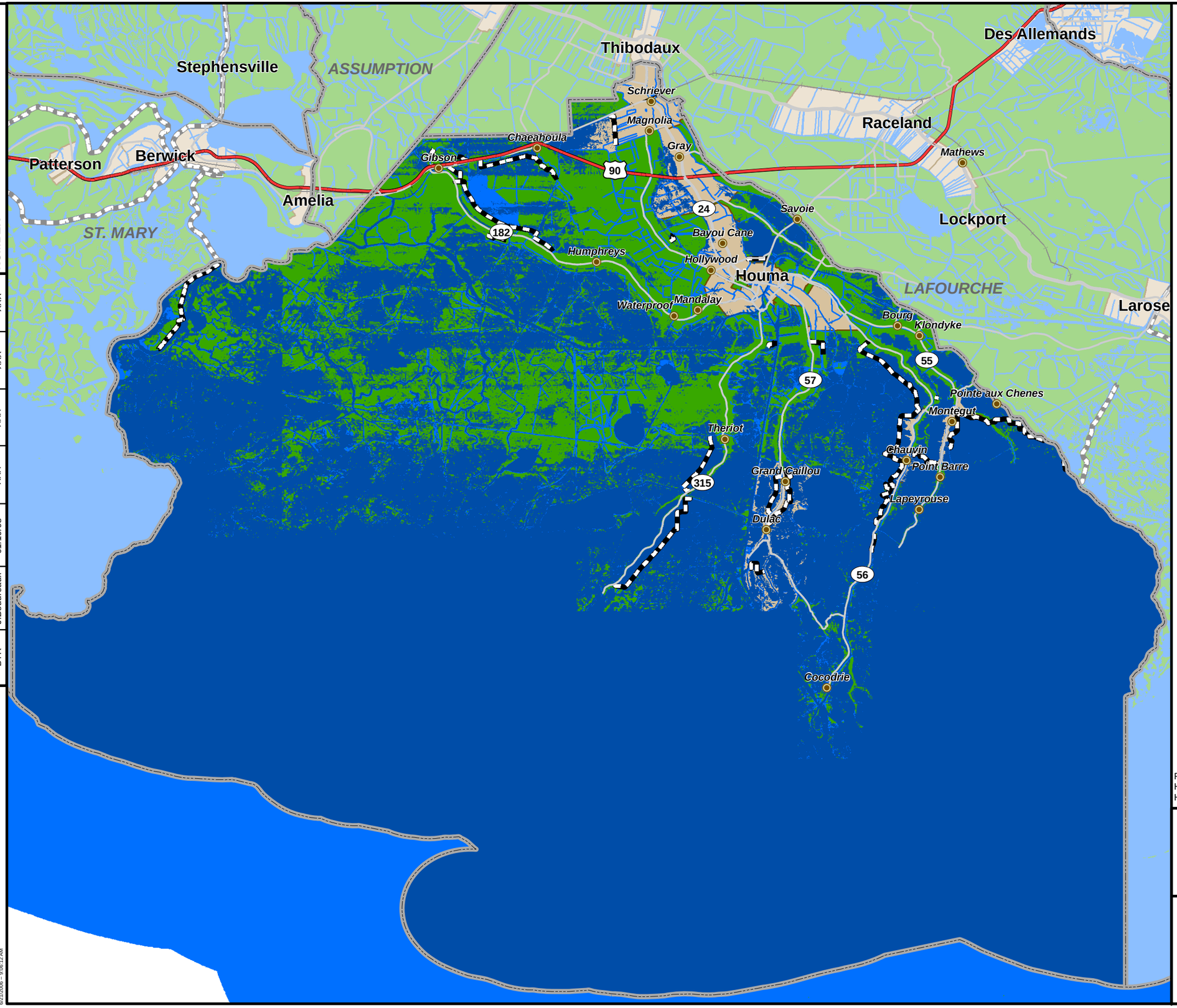
	J.Boudreaux
OFFICE	BTR



30,000 15,000 0 30,000 Feet

1:350,000

Legend

- US Highway
- State/Parish Highway
- Levees
- Hurricane Betsy Inundation

REFERENCE:
Hurricane Andrew Inundation Areas Determined Using USACE Historical HWM data.

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TERREBONNE PARISH
HAZARD MITIGATION PLAN UPDATE

ATTACHMENT c2-16

HURRICANE BETSY INUNDATION

TERREBONNE PARISH HAZARD MITIGATION PLAN UPDATE
HOUMA, TERREBONNE PARISH, LOUISIANA

Map Document: (G:\GIS Data\ArcGIS\Templates\SHAW_Tabloid(Landscape_Right.egend.mxd.mxd)
6/21/2006 - 9:06:12 AM

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CHECKED BY	XXX
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DRAWN BY	01/10/08
	J.Boudreaux
OFFICE	BTR

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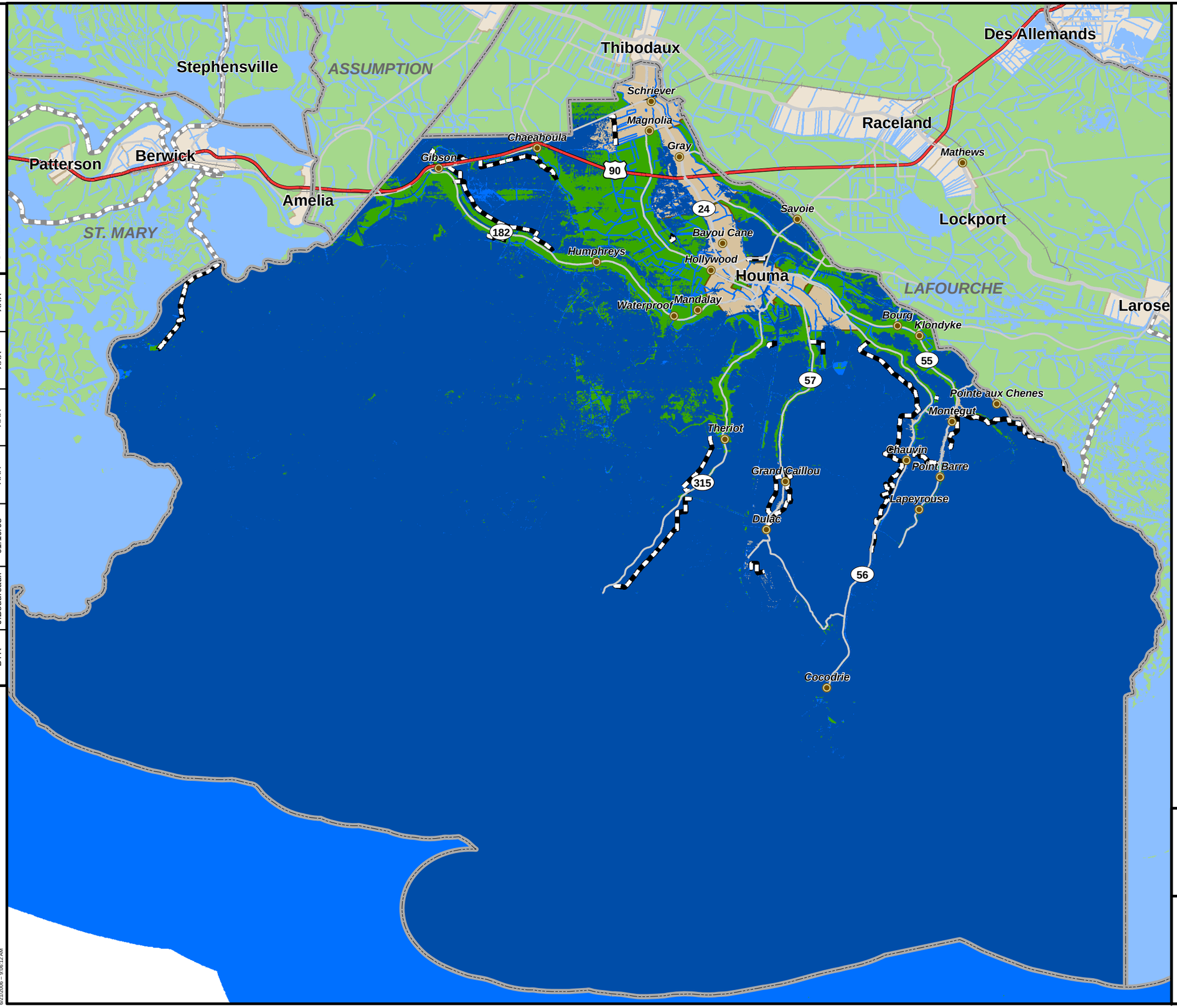

30,000 15,000 0 30,000 Feet

1:350,000

Legend

- US Highway
- State/Parish Highway
- Levees
- Area of Inundation

REFERENCE:
Hurricane Juan Inundation Areas Determined Using USACE Historical HWM data.

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TERREBONNE PARISH
HAZARD MITIGATION PLAN UPDATE

ATTACHMENT c2-17

HURRICANE JUAN INUNDATION

TERREBONNE PARISH HAZARD MITIGATION PLAN UPDATE
HOUMA, TERREBONNE PARISH, LOUISIANA

DRAWING NUMBER	APPROVED BY	CHECKED BY	DRAWN BY	OFFICE
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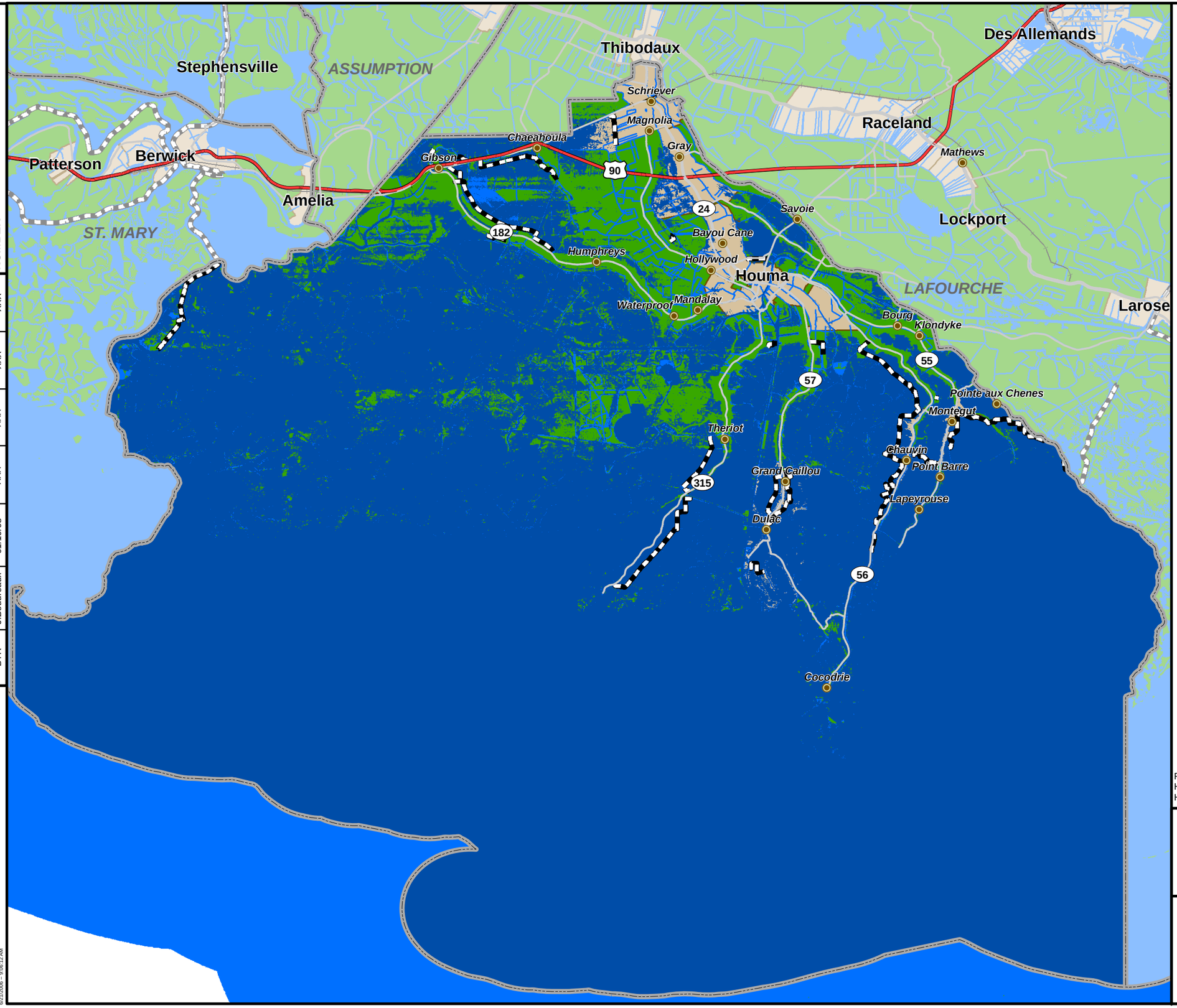
	XXX	XXX	J.Boudreaux	



30,000 15,000 0 30,000 Feet

1:350,000

Legend

- US Highway
- State/Parish Highway
- Levees
- Hurricane Andrew Inundation

REFERENCE:
Hurricane Andrew Inundation Areas Determined Using USACE Historical HWM data.

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TERREBONNE PARISH
HAZARD MITIGATION PLAN UPDATE

ATTACHMENT c2-18

HURRICANE ANDREW INUNDATION

TERREBONNE PARISH HAZARD MITIGATION PLAN UPDATE
HOUMA, TERREBONNE PARISH, LOUISIANA

Map Document: (G:\GIS Data\ArcGIS\Templates\SHAW_Tabloid\Landscape_RightLegend.mxd.mxd)
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DRAWN BY	J.Boudreaux 06/13/08
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Stephensville
ASSUMPTION
Thibodaux
Des Allemands
Schriever
Magnolia
Raceland
Chaeahoula
Gray
Mathews
Patterson
Berwick
Gibson
90
Amelia
24
Savoie
Lockport
ST. MARY
182
Bayou Cane
Humphreys
Hollywood
Houma
LAFOURCHE
Larose
Waterproof
Mandalay
Bourg
Klondyke
55
57
Pointe aux Chenes
Montegut
Theriot
Chauvin
Point Barre
Grand Caillou
315
Lapeyrouse
Dulac
56
Cocodrie

30,000 15,000 0 30,000
Feet
1:350,000

Legend

- US Highway
- State/Parish Highway
- Levees
- Area of Inundation

REFERENCE:
Hurricane Andrew Inundation Areas Determined Using USACE Historical HWM data.

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TERREBONNE PARISH
HAZARD MITIGATION PLAN UPDATE

ATTACHMENT c2-19

TROPICAL STORM ALLISON INUNDATION

TERREBONNE PARISH HAZARD MITIGATION PLAN UPDATE
HOUMA, TERREBONNE PARISH, LOUISIANA

DRAWING NUMBER	terr_184_0016_lili_11x17_TB
APPROVED BY	XXX
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DRAWN BY	01/10/08
	J.Boudreaux
OFFICE	BTR

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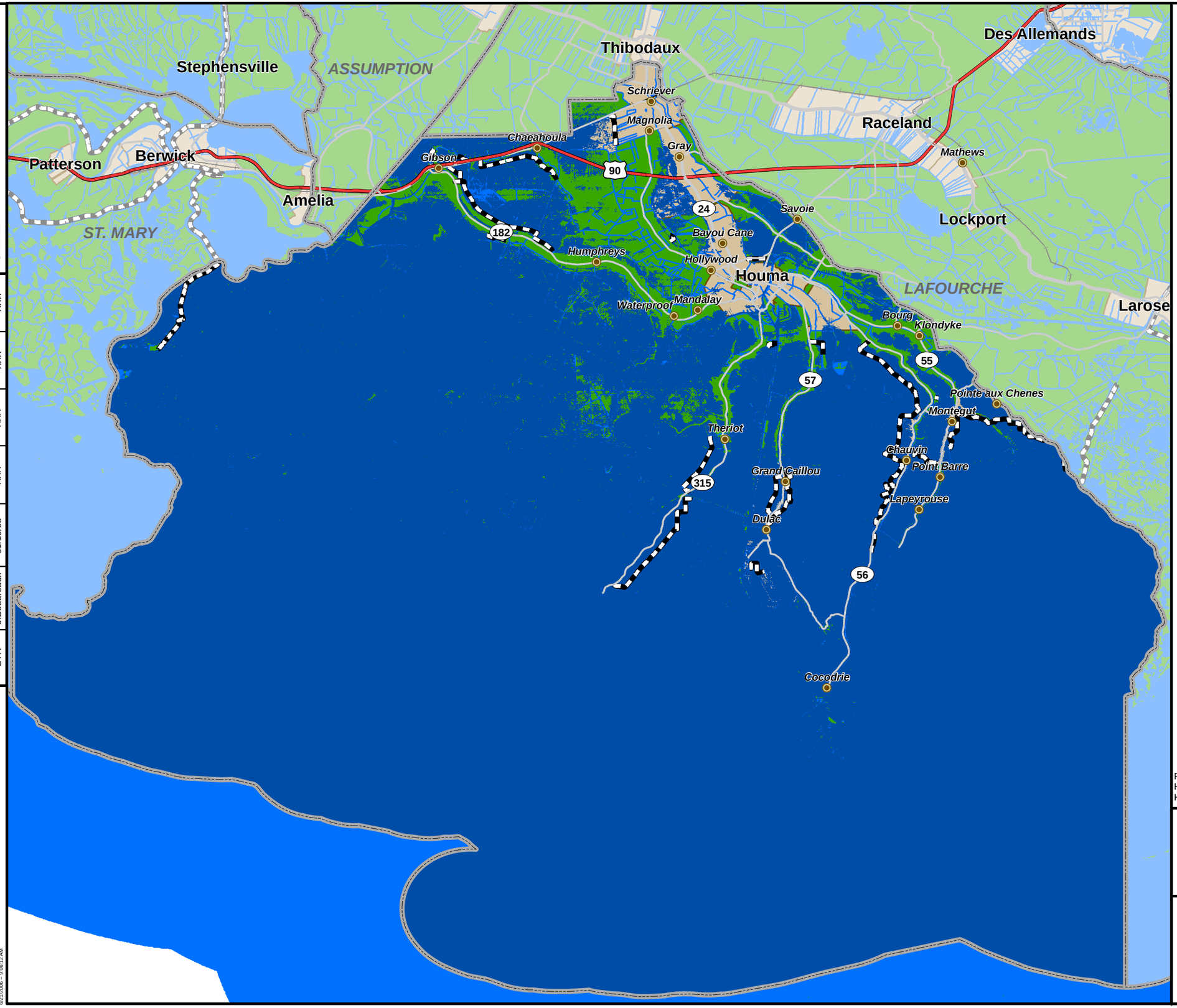

30,000 15,000 0 30,000 Feet

1:350,000

Legend

- US Highway
- State/Parish Highway
- Levees
- Hurricane Lili Inundation

REFERENCE:
Hurricane Lili Inundation Areas Determined Using USACE Historical HWM data.

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TERREBONNE PARISH
HAZARD MITIGATION PLAN UPDATE

ATTACHMENT c2-20

HURRICANE LILI INUNDATION

TERREBONNE PARISH HAZARD MITIGATION PLAN UPDATE
HOUMA, TERREBONNE PARISH, LOUISIANA

DRAWING NUMBER	APPROVED BY	CHECKED BY	DRAWN BY	OFFICE
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	XXX	XXX	J.Boudreaux	

30,000 15,000 0 30,000 Feet

1:350,000

Legend

- US Highway
- State/Parish Highway
- Levees
- Area of Inundation

REFERENCE:
Storm surge extents provided by Terrebonne Parish.

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TERREBONNE PARISH
HAZARD MITIGATION PLAN UPDATE

ATTACHMENT c2-21

HURRICANE RITA INUNDATION

TERREBONNE PARISH HAZARD MITIGATION PLAN UPDATE
HOUMA, TERREBONNE PARISH, LOUISIANA

Map Document: (G:\GIS Data\ArcGIS\Templates\SHAW_Tabloid\Landscape_RightLegend.mxd.mxd)
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DRAWN BY	J.Boudreaux	01/10/08
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6/21/2006 – 9:06:12 AM

Stephensville
ASSUMPTION
Thibodaux
Des Allemands
Schriever
Magnolia
Raceland
Chaeahoula
Gray
Mathews
Patterson
Berwick
Gibson
90
Amelia
24
Savoie
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Bayou Cane
Humphreys
Hollywood
Houma
LAFOURCHE
Waterproof
Mandalay
Larose
Bourg
Klondyke
55
57
Pointe aux Chenes
Montegut
Theriot
Chauvin
Point Barre
Grand Caillou
315
Lapeyrouse
Dulac
56
Cocodrie

30,000 15,000 0 30,000 Feet
1:350,000

Legend

US Highway

State/Parish Highway

Wind Speed

>120mph - 130mph

>130mph - 140mph

REFERENCE:
Wind Speeds Obtained From IRC/IBC Wind Speed Map Dated 2003.

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TERREBONNE PARISH
HAZARD MITIGATION PLAN UPDATE

ATTACHMENT c2-22

WIND MAP

TERREBONNE PARISH HAZARD MITIGATION PLAN UPDATE
HOUMA, TERREBONNE PARISH, LOUISIANA

DRAWING NUMBER: terr_184_0022_RL_11x17_TB

APPROVED BY	XXX	
	XXX	
CHECKED BY	XXX	
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DRAWN BY	01/10/08	
	J.Boudreaux	
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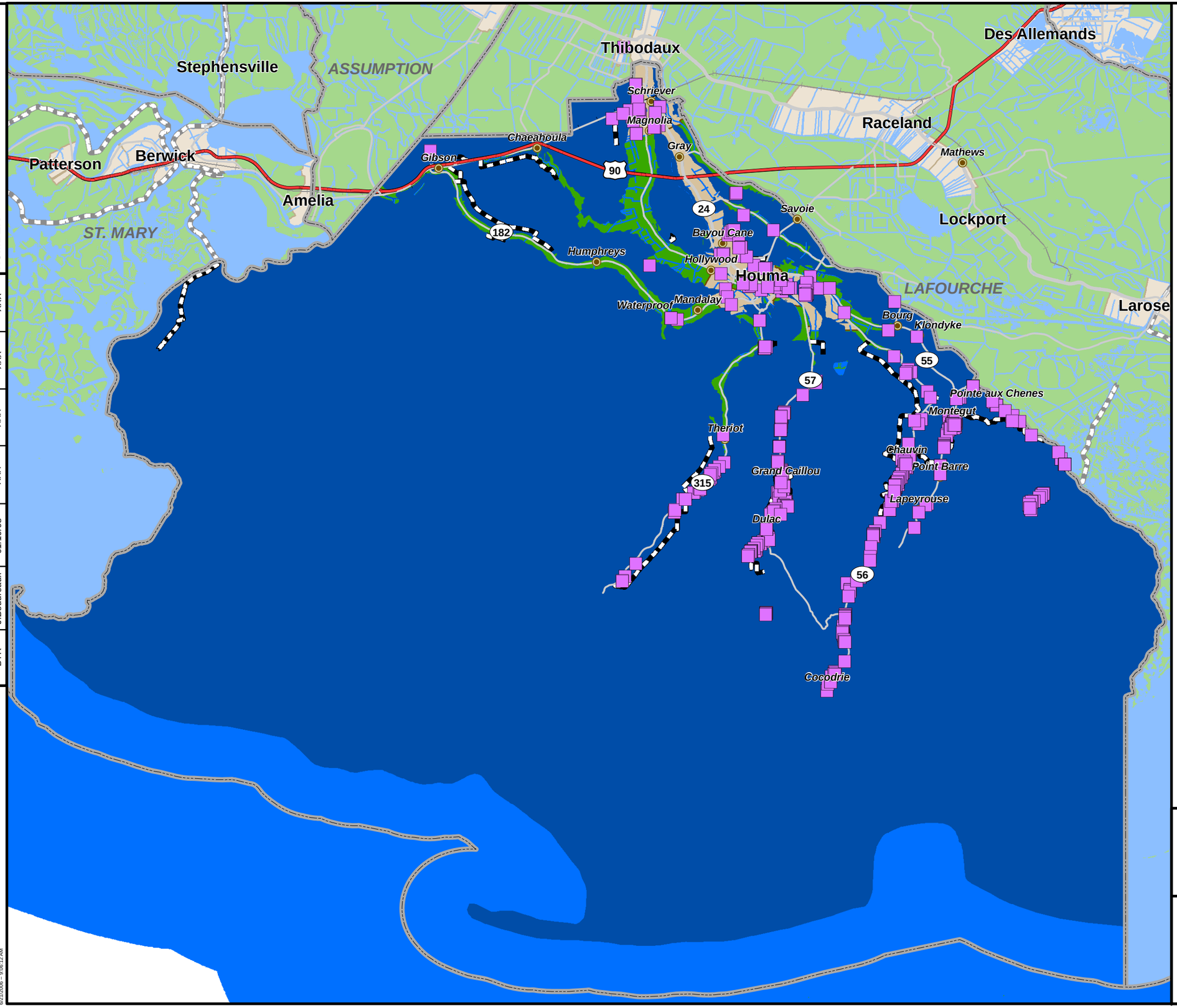

30,000 15,000 0 30,000 Feet

1:350,000

Legend

- Repetitive Loss Structures
- US Highway
- State/Parish Highway
- Levees

ZONE

- 100 Year Flood Zone

REFERENCE:
FEMA Flood Zones Produced From FEMA Q3 Flood Data and Obtained From the Louisiana State GIS CD 2007.

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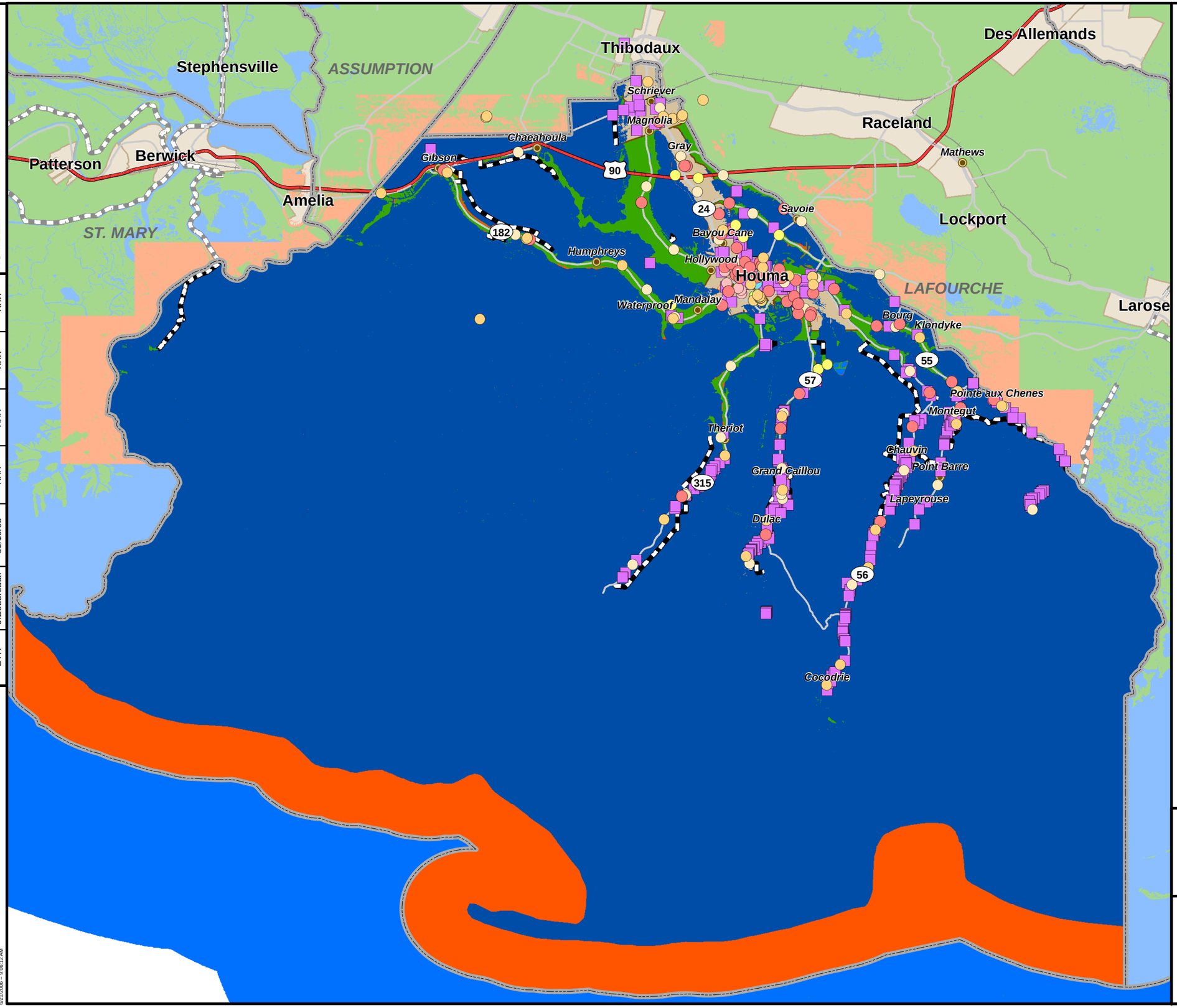
TERREBONNE PARISH
HAZARD MITIGATION PLAN UPDATE

ATTACHMENT c2-23

REPETITIVE LOSS STRUCTURES

TERREBONNE PARISH HAZARD MITIGATION PLAN UPDATE
HOUMA, TERREBONNE PARISH, LOUISIANA



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CHECKED BY	XXX	
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DRAWN BY	J Boudreaux	01/10/08
OFFICE	BTR	

30,000 15,000 0 30,000 Feet

Legend

- Sewer Treatment Facilities
- Potable Water Facilities
- Power Facilities
- Schools
- Emergency Operations Center
- Fire Stations
- Police Stations
- Health Care Providers
- Repetitive Loss Structures
- Levees
- Area at Risk (Inside 100-Year Floodplain)
- Area at Risk (Outside 100-Year Floodplain)

REFERENCE:
Composite Event Area Obtained By Merging Major Storm Event Areas.

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TERREBONNE PARISH
HAZARD MITIGATION PLAN UPDATE

ATTACHMENT c2-24

COMPOSITE RISK MAP

TERREBONNE PARISH HAZARD MITIGATION PLAN UPDATE
HOUMA, TERREBONNE PARISH, LOUISIANA

Map Document: (G:\GIS Data\ArcGIS\Templates\SHAW_Tablet\Landscape_RightLegend.mxd.mxd)
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OFFICE	BTR

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6/21/2008 -- 9:06:12 AM

Schriever
Magnolia
Gray
Chacahoula
Bayou Cane
Humphreys
90
24

6,000 3,000 0 6,000
Feet
1:72,000

Legend

- Sewer Treatment Facilities
- Potable Water Facilities
- Power Facilities
- Schools
- Emergency Operations Center
- Fire Stations
- Police Stations
- Health Care Providers
- Repetitive Loss Structures
- Levees
- Area at Risk (Inside 100-Year Floodplain)
- Area at Risk (Outside 100-Year Floodplain)

REFERENCE:
Composite Event Area Obtained By Merging Major Storm Event Areas.

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TERREBONNE PARISH
HAZARD MITIGATION PLAN UPDATE

ATTACHMENT c2-24.1

COMPOSITE RISK - NORTH CENTRAL

TERREBONNE PARISH HAZARD MITIGATION PLAN UPDATE
HOUMA, TERREBONNE PARISH, LOUISIANA

DRAWING NUMBER	terr_184_0031_houma_11x17_TB
APPROVED BY	XXX
	XXX
CHECKED BY	XXX
	XXX
DRAWN BY	J.Boudreaux
	01/10/08
OFFICE	BTR

Savoie

Bayou Cane

Hollywood

Houma

Mandalay

4,000 2,000 0 4,000

Feet

1:48,000

Legend

- Sewer Treatment Facilities
- Potable Water Facilities
- Power Facilities
- Schools
- Emergency Operations Center
- Fire Stations
- Police Stations
- Health Care Providers
- Repetitive Loss Structures
- Levees
- Area at Risk (Inside 100-Year Floodplain)
- Area at Risk (Outside 100-Year Floodplain)

REFERENCE:
Composite Event Area Obtained By Merging Major Storm Event Areas.

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TERREBONNE PARISH
HAZARD MITIGATION PLAN UPDATE

ATTACHMENT c2-24.2

COMPOSITE RISK - HOUMA

TERREBONNE PARISH HAZARD MITIGATION PLAN UPDATE
HOUMA, TERREBONNE PARISH, LOUISIANA

Map Document: (G:\GIS Data\ArcGIS\Templates\SHAW_TabloidLandscape_RightLegend.mxd.mxd)
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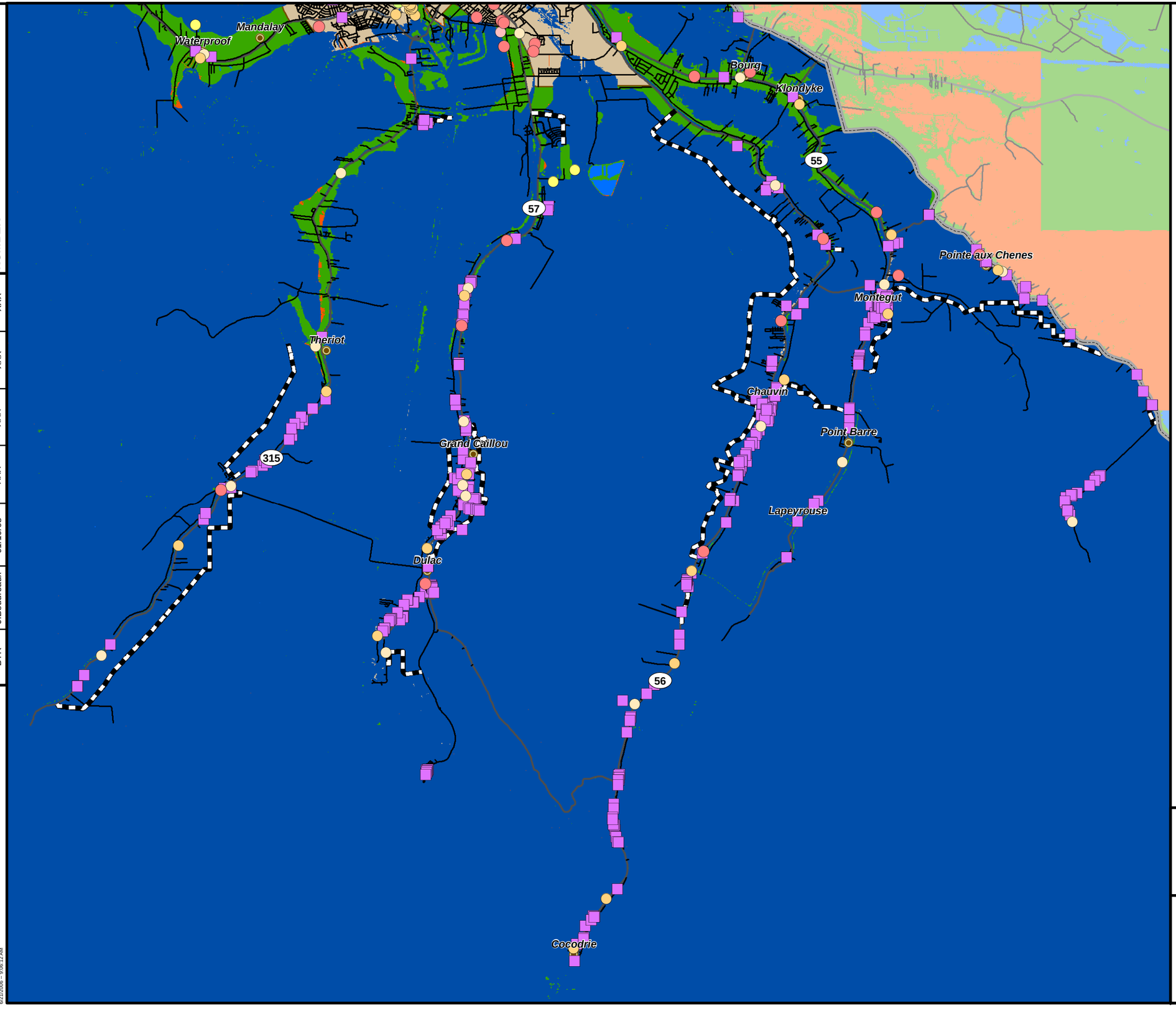

12,000 6,000 0 12,000 Feet

1:144,000

Legend

- Sewer Treatment Facilities
- Potable Water Facilities
- Power Facilities
- Schools
- Emergency Operations Center
- Fire Stations
- Police Stations
- Health Care Providers
- Repetitive Loss Structures
- Levees
- Area at Risk (Inside 100-Year Floodplain)
- Area at Risk (Outside 100-Year Floodplain)

REFERENCE:
Composite Event Area Obtained By Merging Major Storm Event Areas.

Shaw®

TERREBONNE PARISH
HAZARD MITIGATION PLAN UPDATES

ATTACHMENT c2-24.3

COMPOSITE RISK - SOUTH

TERREBONNE PARISH HAZARD MITIGATION PLAN UPDATE
HOUMA, TERREBONNE PARISH, LOUISIANA

DRAWING NUMBER	terr_184_0033_south_11x17_TB
APPROVED BY	XXX / XXX
CHECKED BY	XXX / XXX
DRAWN BY	J.Boudreaux 01/10/08
OFFICE	BTR

Map Document: (G:\GIS Data\ArcGIS\Templates\SHAW_TabloidLandscape_RightLegend.mxd)
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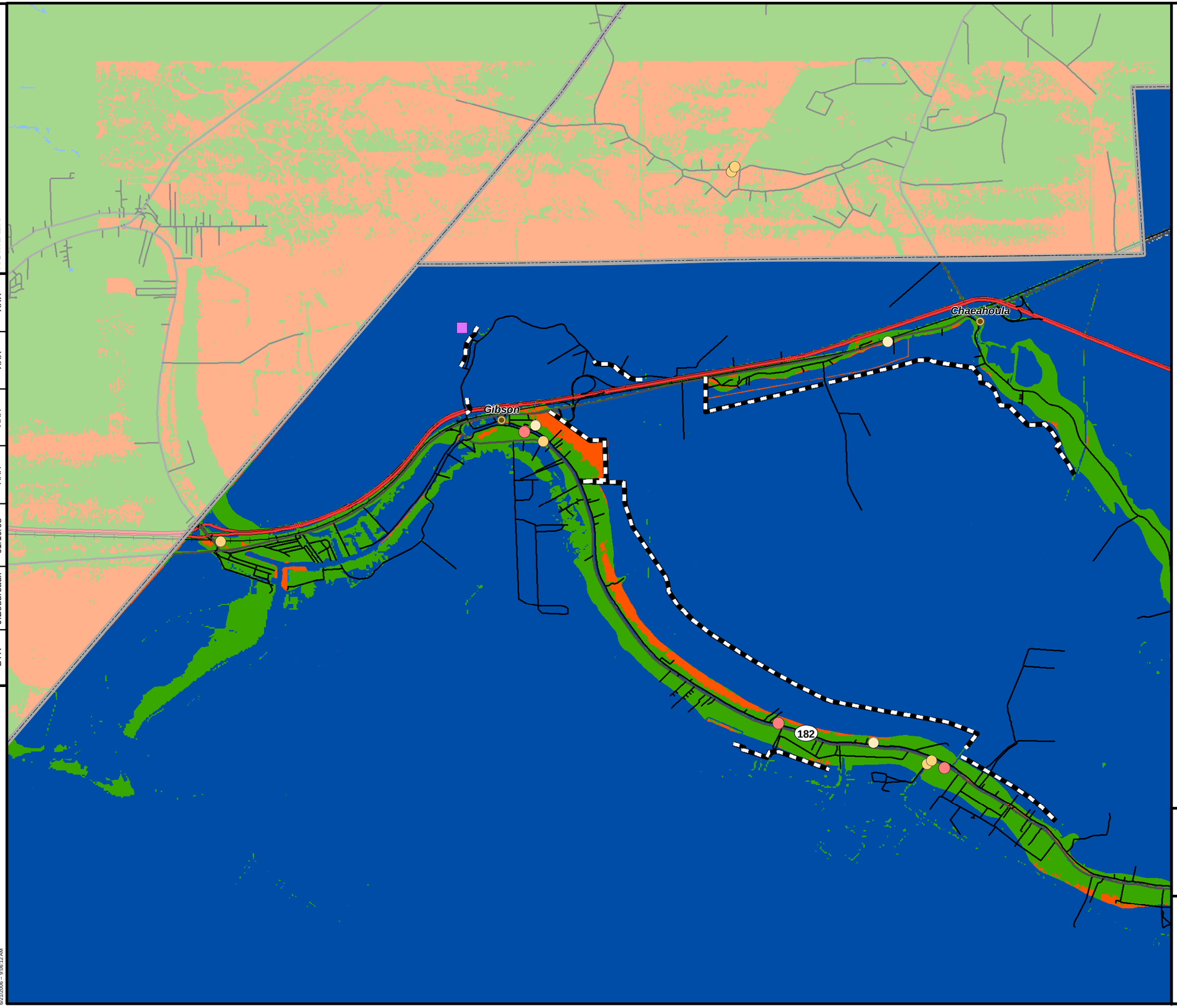
	XXX	XXX	J.Boudreaux	



6,000 3,000 0 6,000
Feet
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Legend

- Sewer Treatment Facilities
- Potable Water Facilities
- Power Facilities
- Schools
- Emergency Operations Center
- Fire Stations
- Police Stations
- Health Care Providers
- Repetitive Loss Structures
- Levees
- Area at Risk (Inside 100-Year Floodplain)
- Area at Risk (Outside 100-Year Floodplain)

REFERENCE:
Composite Event Area Obtained By Merging Major Storm Event Areas.

Shaw®

TERREBONNE PARISH
HAZARD MITIGATION PLAN UPDATE

ATTACHMENT c2-24.4

COMPOSITE RISK - WEST

TERREBONNE PARISH HAZARD MITIGATION PLAN UPDATE
HOUMA, TERREBONNE PARISH, LOUISIANA

Map Document: (G:\GIS Data\ArcGIS\Templates\SHAW_Tabloid\Landscape_RightLegend.mxd.mxd)
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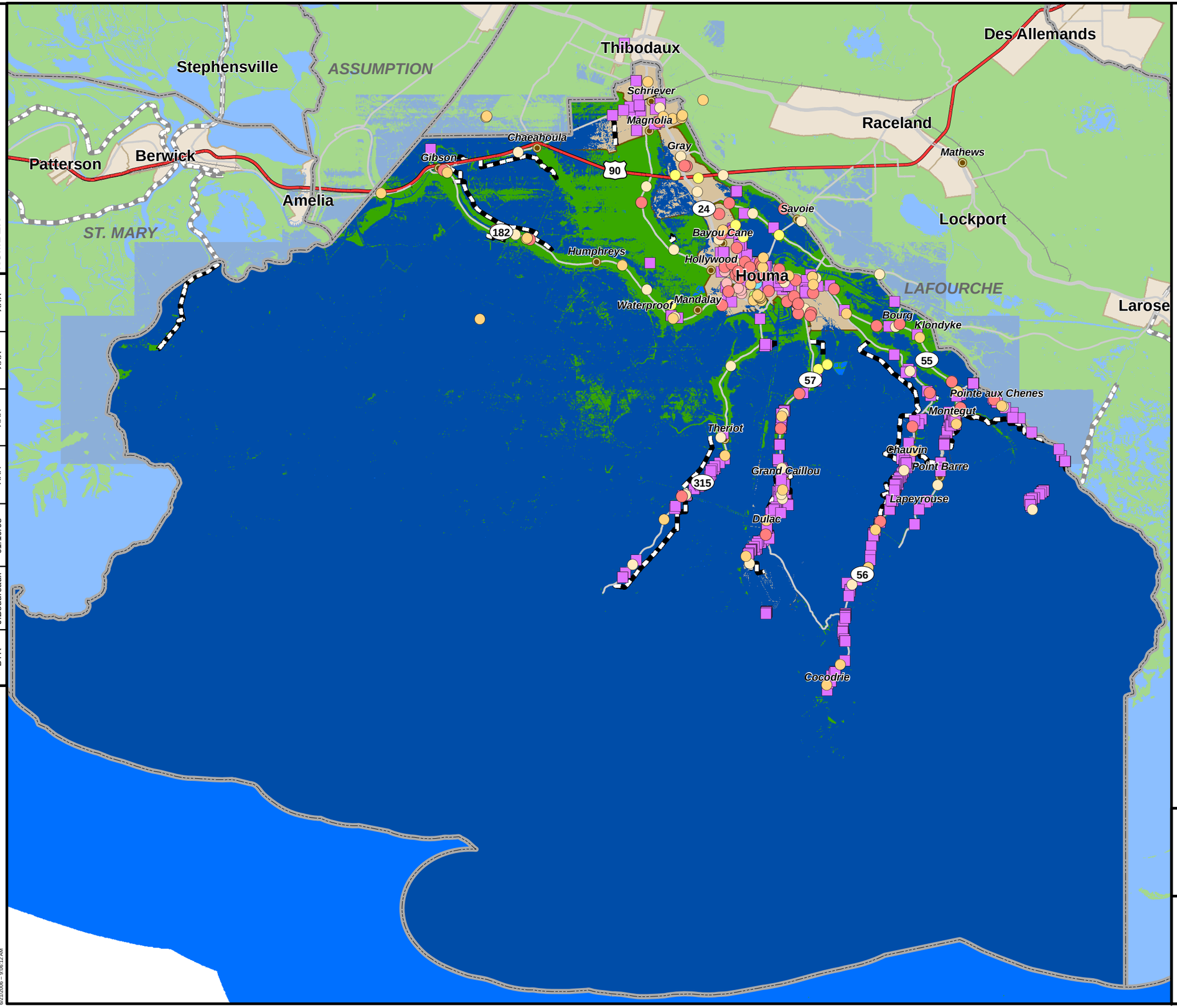


30,000 15,000 0 30,000 Feet

1:350,000

Legend

- Sewer Treatment Facilities
- Potable Water Facilities
- Power Facilities
- Schools
- Emergency Operations Center
- Fire Stations
- Police Stations
- Health Care Providers
- Repetitive Loss Structures
- Levees
- Area at Risk (Outside 100-Year Floodplain)

REFERENCE:
Composite Event Area Obtained By Merging Major Storm Event Areas.

TERREBONNE PARISH
HAZARD MITIGATION PLAN UPDATE

ATTACHMENT c2-25

LEVEE FAILURE MAP

TERREBONNE PARISH HAZARD MITIGATION PLAN UPDATE
HOUMA, TERREBONNE PARISH, LOUISIANA

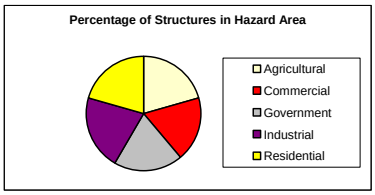
DRAWING NUMBER	terr_184_0034_leveefail_11x17_TB
APPROVED BY	XXX
	XXX
CHECKED BY	XXX
	XXX
DRAWN BY	J.Boudreaux 01/10/08
OFFICE	BTR

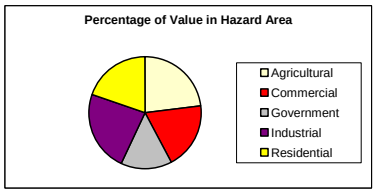
Map Document: (G:\GIS Data\ArcGIS\Templates\SHAW_Tabbod\Landscape_RightLegend.mxd) 6/21/2008 – 9:06:12 AM

Attachment c2-26.1
Worksheet #3A—Parishwide HAZUS

Terrebonne Parish Worksheet 3A -- Parishwide HAZUS

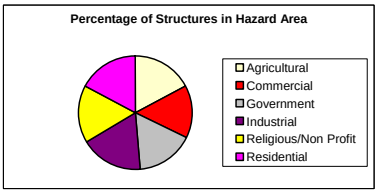
Flood Events						
	Number of Structures			Value of Structures		
Type of Structure (Occupancy Class)	**# in Community**	**# in Hazard Area**	**% in Hazard Area**	**$ in Community**	**$ in Hazard Area**	**% in Hazard Area**
Agricultural	104	75	72%	23,133,000	19,597,000	85%
Commercial	2,200	1,406	64%	1,274,572,000	897,850,000	70%
Government	60	41	68%	36,499,000	19,759,000	54%
Industrial	669	498	74%	424,320,000	366,537,000	86%
Residential	39,750	28,611	72%	5,327,823,000	3,840,592,000	72%
Religious/Non Profit	188	131	70%	127,108,000	88,050,000	69%
Schools	66	52	79%	66,885,000	57,508,000	86%
Total	**43,037**	**30,814**	**72%**	**7,280,340,000**	**5,289,893,000**	**73%**

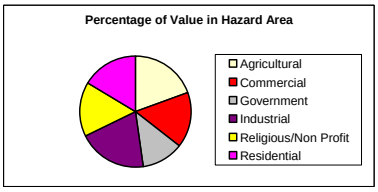




Number of People		
# in Community	**# in Hazard Area**	**%in Hazard Area**
104503	**76,334**	**73%**

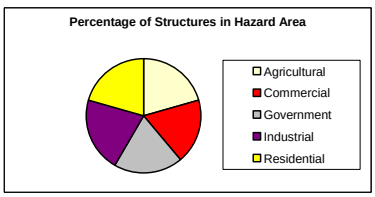
Levee Failure						
	Number of Structures			Value of Structures		
Type of Structure (Occupancy Class)	**# in Community**	**# in Hazard Area**	**% in Hazard Area**	**$ in Community**	**$ in Hazard Area**	**% in Hazard Area**
Agricultural	104	75	72%	23,133,000	19,597,000	85%
Commercial	2,200	1,406	64%	1,274,572,000	897,850,000	70%
Government	60	41	68%	36,499,000	19,759,000	54%
Industrial	669	498	74%	424,320,000	366,537,000	86%
Religious/Non Profit	188	131	70%	127,108,000	88,050,000	69%
Residential	39,750	28,611	72%	5,327,823,000	3,840,592,000	72%
Schools	66	52	79%	66,885,000	57,508,000	86%
Total	**43,037**	**30,814**	**72%**	**7,280,340,000**	**5,289,893,000**	**73%**

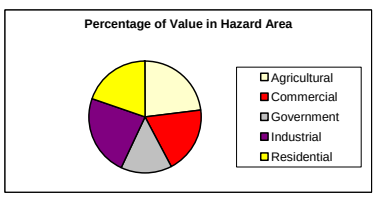




Number of People		
# in Community	**# in Hazard Area**	**%in Hazard Area**
104503	**76,334**	**73%**

Hurricane						
	Number of Structures			Value of Structures		
Type of Structure (Occupancy Class)	**# in Community**	**# in Hazard Area**	**% in Hazard Area**	**$ in Community**	**$ in Hazard Area**	**% in Hazard Area**
Agricultural	104	33	32%	23,133,000	7,402,560	32%
Commercial	2,200	704	32%	1,274,572,000	407,863,040	32%
Government	60	19	32%	36,499,000	11,679,680	32%
Industrial	669	214	32%	424,320,000	135,782,400	32%
Residential	39,750	12,720	32%	5,327,823,000	1,704,903,360	32%
Religious/Non Profit	188	60	32%	127,108,000	40,674,560	32%
Schools	66	21	32%	66,885,000	21,403,200	32%
Total	**43,037**	**13,772**	**32%**	**7,280,340,000**	**2,329,708,800**	**32%**



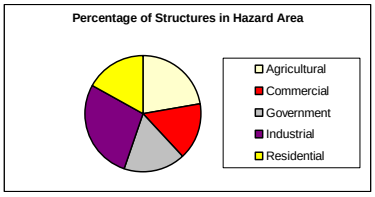


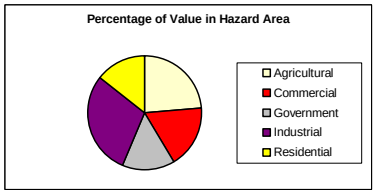
Number of People		
# in Community	**# in Hazard Area**	**%in Hazard Area**
104503	**33,441**	**32%**

Attachment c2-26.2
Worksheet #3A—Parishwide Land Use and Tax Assessor Data

Terrebonne Parish Worksheet 3A -- Parishwide Land Use and Tax Assessor Data

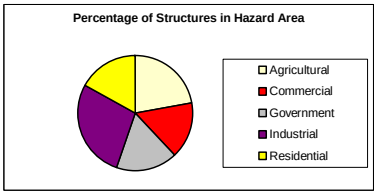
Flood Events						
	Number of Structures			Value of Structures		
Type of Structure (Occupancy Class)	**# in Community**	**# in Hazard Area**	**% in Hazard Area**	**$ in Community**	**$ in Hazard Area**	**% in Hazard Area**
Agricultural	2,289	1,224	53%	184,281,400	104,216,950	57%
Commercial	3,573	1,346	38%	747,228,200	322,975,600	43%
Government	1,201	498	41%	486,175,150	174,850,900	36%
Industrial	971	642	66%	184,542,950	129,389,700	70%
Residential	34,456	14,070	41%	2,605,877,780	906,425,430	35%
Total	**42,490**	**17,780**	**42%**	**4,208,105,480**	**1,637,858,580**	**39%**

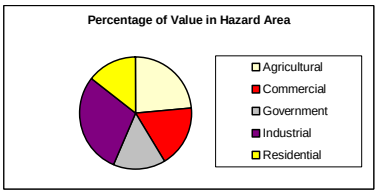




Number of People		
# in Community	**# in Hazard Area**	**%in Hazard Area**
104503	**76,334**	**73%**

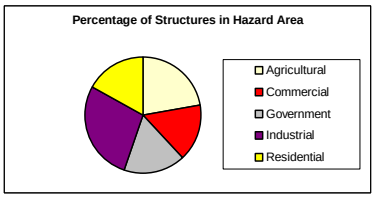
Levee Failure						
	Number of Structures			Value of Structures		
Type of Structure (Occupancy Class)	**# in Community**	**# in Hazard Area**	**% in Hazard Area**	**$ in Community**	**$ in Hazard Area**	**% in Hazard Area**
Agricultural	2,289	1,224	53%	184,281,400	104,216,950	57%
Commercial	3,573	1,346	38%	747,228,200	322,975,600	43%
Government	1,201	498	41%	486,175,150	174,850,900	36%
Industrial	971	642	66%	184,542,950	129,389,700	70%
Residential	34,456	14,070	41%	2,605,877,780	906,425,430	35%
Total	**42,490**	**17,780**	**42%**	**4,208,105,480**	**1,637,858,580**	**39%**

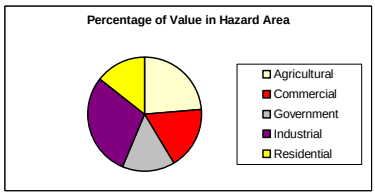




Number of People		
# in Community	**# in Hazard Area**	**%in Hazard Area**
104503	**76,334**	**73%**

Hurricane						
	Number of Structures			Value of Structures		
Type of Structure (Occupancy Class)	**# in Community**	**# in Hazard Area**	**% in Hazard Area**	**$ in Community**	**$ in Hazard Area**	**% in Hazard Area**
Agricultural	2,289	732	32%	184,281,400	58,970,048	32%
Commercial	3,573	1,143	32%	747,228,200	239,113,024	32%
Government	1,201	384	32%	486,175,150	155,576,048	32%
Industrial	971	311	32%	184,542,950	59,053,744	32%
Residential	34,456	11,026	32%	2,605,877,780	833,880,890	32%
Total	**42,490**	**13,597**	**32%**	**4,208,105,480**	**1,346,593,754**	**32%**



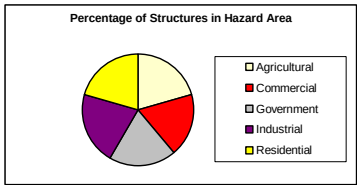


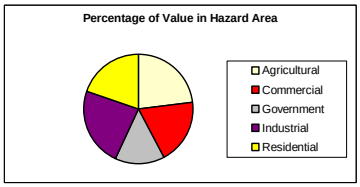
Number of People		
# in Community	**# in Hazard Area**	**%in Hazard Area**
104503	**33,441**	**32%**

Attachment c2-26.3
Worksheet #3A—Parishwide Composite

Terrebonne Parish Worksheet 3A -- Parishwide Composite

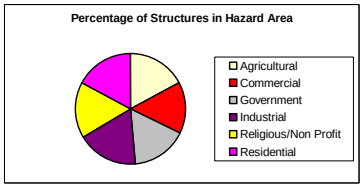
Flood Events						
	Number of Structures			Value of Structures		
Type of Structure (Occupancy Class)	**# in Community**	**# in Hazard Area**	**% in Hazard Area**	**$ in Community**	**$ in Hazard Area**	**% in Hazard Area**
Agricultural	104	75	72%	23,133,000	19,597,000	85%
Commercial	2,887	1,376	48%	1,010,900,100	610,412,800	60%
Government	631	270	43%	261,337,075	97,304,950	37%
Industrial	820	570	70%	304,431,475	247,963,350	81%
Residential	37,103	21,341	58%	3,966,850,390	2,373,508,715	60%
Religious/Non Profit	188	131	70%	127,108,000	88,050,000	69%
Schools	66	52	79%	66,885,000	57,508,000	86%
Total	**41,798**	**23,814**	**57%**	**5,760,645,040**	**3,494,344,815**	**61%**

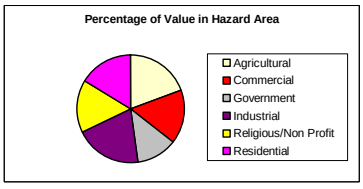




Number of People		
# in Community	**# in Hazard Area**	**%in Hazard Area**
104503	**76,334**	**73%**

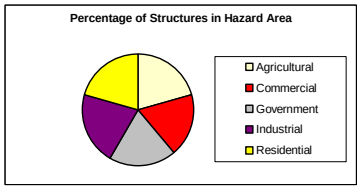
Levee Failure						
	Number of Structures			Value of Structures		
Type of Structure (Occupancy Class)	**# in Community**	**# in Hazard Area**	**% in Hazard Area**	**$ in Community**	**$ in Hazard Area**	**% in Hazard Area**
Agricultural	104	75	72%	23,133,000	19,597,000	85%
Commercial	2,887	1,376	48%	1,010,900,100	610,412,800	60%
Government	631	270	43%	261,337,075	97,304,950	37%
Industrial	820	570	70%	304,431,475	247,963,350	81%
Residential	37,103	21,341	58%	3,966,850,390	2,373,508,715	60%
Religious/Non Profit	188	131	70%	127,108,000	88,050,000	69%
Schools	66	52	79%	66,885,000	57,508,000	86%
Total	**41,798**	**23,814**	**57%**	**5,760,645,040**	**3,494,344,815**	**61%**

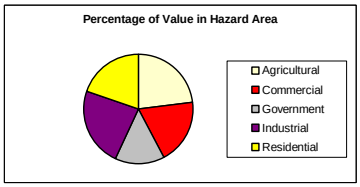




Number of People		
# in Community	**# in Hazard Area**	**%in Hazard Area**
104503	**76,334**	**73%**

Hurricane						
	Number of Structures			Value of Structures		
Type of Structure (Occupancy Class)	**# in Community**	**# in Hazard Area**	**% in Hazard Area**	**$ in Community**	**$ in Hazard Area**	**% in Hazard Area**
Agricultural	104	33	32%	23,133,000	7,402,560	32%
Commercial	22,345	7,150	32%	2,741,338,740	877,228,397	32%
Government	30	10	32%	18,249,500	5,839,840	32%
Industrial	335	107	32%	212,160,000	67,891,200	32%
Residential	19,875	6,360	32%	2,663,911,500	852,451,680	32%
Religious/Non Profit	188	60	32%	127,108,000	40,674,560	32%
Schools	66	21	32%	66,885,000	21,403,200	32%
Total	**42,943**	**13,742**	**32%**	**5,852,785,740**	**1,872,891,437**	**32%**





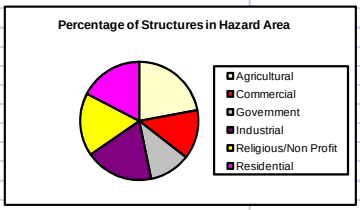
Number of People		
# in Community	**# in Hazard Area**	**%in Hazard Area**
104503	**33,441**	**32%**

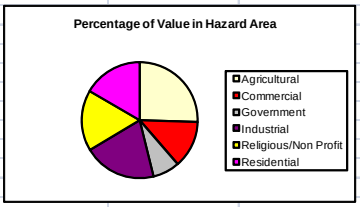
Attachment c2-26.4
Worksheet #3A—Houma HAZUS

Terrebonne Parish Worksheet 3A -- Houma HAZUS

Flood Events

	Number of Structures			Value of Structures		
Type of Structure (Occupancy Class)	**# in Community**	**# in Hazard Area**	**% in Hazard Area**	**$ in Community**	**$ in Hazard Area**	**% in Hazard Area**
Agricultural	31	23	74%	13,589,000	12,917,000	95%
Commercial	1,027	464	45%	559,687,000	273,571,000	49%
Government	29	11	38%	22,514,000	6,323,000	28%
Industrial	263	165	63%	149,840,000	113,032,000	75%
Religious/Non Profit	76	44	58%	57,393,000	36,256,000	63%
Residential	13,694	8,003	58%	2,037,515,000	1,261,131,000	62%
Schools	25	15	60%	19,305,000	13,007,000	67%
Total	**15,145**	**8,725**	**58%**	**2,859,843,000**	**1,716,237,000**	**60%**

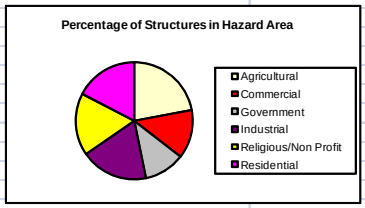


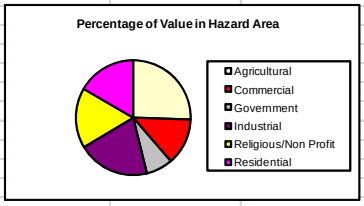


Number of People		
# in Community	**# in Hazard Area**	**%in Hazard Area**
35376	**22,119**	**63%**

Levee Failure

	Number of Structures			Value of Structures		
Type of Structure (Occupancy Class)	**# in Community**	**# in Hazard Area**	**% in Hazard Area**	**$ in Community**	**$ in Hazard Area**	**% in Hazard Area**
Agricultural	31	23	74%	13,589,000	12,917,000	95%
Commercial	1,027	464	45%	559,687,000	273,571,000	49%
Government	29	11	38%	22,514,000	6,323,000	28%
Industrial	263	165	63%	149,840,000	113,032,000	75%
Religious/Non Profit	76	44	58%	57,393,000	36,256,000	63%
Residential	13,694	8,003	58%	2,037,515,000	1,261,131,000	62%
Schools	25	15	60%	19,305,000	13,007,000	67%
Total	**15,145**	**8,725**	**58%**	**2,859,843,000**	**1,716,237,000**	**60%**

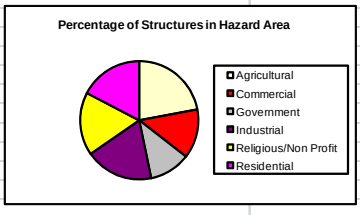


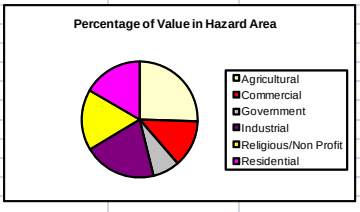


Number of People		
# in Community	**# in Hazard Area**	**%in Hazard Area**
35376	**22,119**	**63%**

Hurricane

	Number of Structures			Value of Structures		
Type of Structure (Occupancy Class)	**# in Community**	**# in Hazard Area**	**% in Hazard Area**	**$ in Community**	**$ in Hazard Area**	**% in Hazard Area**
Agricultural	31	10	32%	13,589,000	4,348,480	32%
Commercial	1,027	329	32%	559,687,000	179,099,840	32%
Government	29	9	32%	22,514,000	7,204,480	32%
Industrial	263	84	32%	149,840,000	47,948,800	32%
Religious/Non Profit	76	24	32%	57,393,000	18,365,760	32%
Residential	13,694	4,382	32%	2,037,515,000	652,004,800	32%
Schools	25	8	32%	19,305,000	6,177,600	32%
Total	**15,145**	**4,846**	**32%**	**2,859,843,000**	**915,149,760**	**32%**





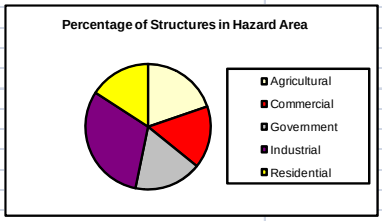
Number of People		
# in Community	**# in Hazard Area**	**%in Hazard Area**
35376	**11,320**	**32%**

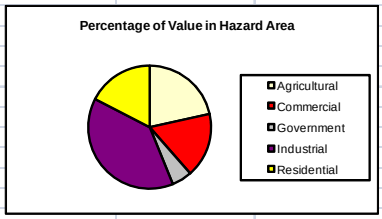
Attachment c2-26.5
Worksheet #3A—Houma Land Use and Tax Assessor Data

Terrebonne Parish Worksheet 3A -- Houma Land Use and Tax Assessor Data

Flood Events

	Number of Structures			Value of Structures		
Type of Structure (Occupancy Class)	**# in Community**	**# in Hazard Area**	**% in Hazard Area**	**$ in Community**	**$ in Hazard Area**	**% in Hazard Area**
Agricultural	254	80	31%	25,243,000	8,902,050	35%
Commercial	1,413	362	26%	196,469,300	54,664,100	28%
Government	503	140	28%	374,302,750	32,494,000	9%
Industrial	203	100	49%	51,271,150	32,494,000	63%
Residential	10,758	2,721	25%	890,127,100	253,963,300	29%
Total	**13,131**	**3,403**	**26%**	**1,537,413,300**	**382,517,450**	**25%**

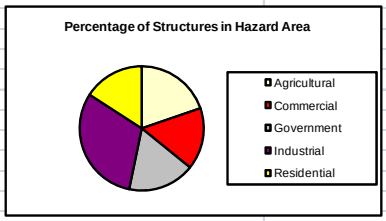


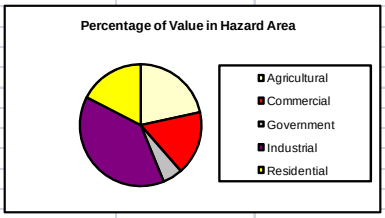


Number of People		
# in Community	**# in Hazard Area**	**% in Hazard Area**
35376	**22,119**	**63%**

Levee Failure

	Number of Structures			Value of Structures		
Type of Structure (Occupancy Class)	**# in Community**	**# in Hazard Area**	**% in Hazard Area**	**$ in Community**	**$ in Hazard Area**	**% in Hazard Area**
Agricultural	254	80	31%	25,243,000	8,902,050	35%
Commercial	1,413	362	26%	196,469,300	54,664,100	28%
Government	503	140	28%	374,302,750	32,494,000	9%
Industrial	203	100	49%	51,271,150	32,494,000	63%
Residential	10,758	2,721	25%	890,127,100	253,963,300	29%
Total	**13,131**	**3,403**	**26%**	**1,537,413,300**	**382,517,450**	**25%**

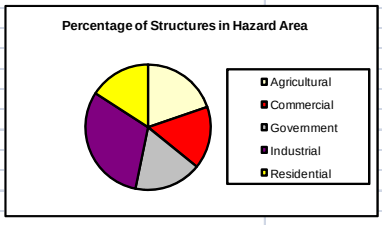


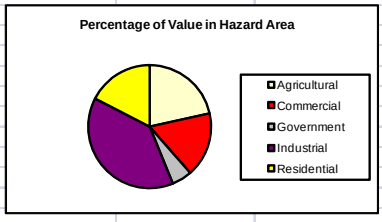


Number of People		
# in Community	**# in Hazard Area**	**% in Hazard Area**
35376	**22,119**	**63%**

Hurricane

	Number of Structures			Value of Structures		
Type of Structure (Occupancy Class)	**# in Community**	**# in Hazard Area**	**% in Hazard Area**	**$ in Community**	**$ in Hazard Area**	**% in Hazard Area**
Agricultural	254	81	32%	25,243,000	8,077,760	32%
Commercial	1,413	452	32%	196,469,300	62,870,176	32%
Government	503	161	32%	374,302,750	119,776,880	32%
Industrial	203	65	32%	51,271,150	16,406,768	32%
Residential	10,758	3,443	32%	890,127,100	284,840,672	32%
Total	**13,131**	**4,202**	**32%**	**1,537,413,300**	**491,972,256**	**32%**





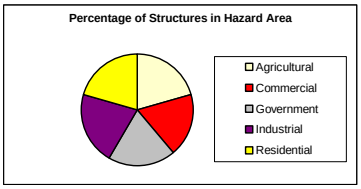
Number of People		
# in Community	**# in Hazard Area**	**% in Hazard Area**
35376	**11,320**	**32%**

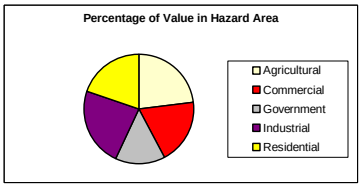
Attachment c2-26.6
Worksheet #3A—Houma Composite

Terrebonne Parish Worksheet 3A -- Houma Composite

Flood Events

	Number of Structures			Value of Structures		
Type of Structure (Occupancy Class)	**# in Community**	**# in Hazard Area**	**% in Hazard Area**	**$ in Community**	**$ in Hazard Area**	**% in Hazard Area**
Agricultural	31	23	74%	13,589,000	12,917,000	95%
Commercial	1,220	413	34%	378,078,150	164,117,550	43%
Government	266	76	28%	198,408,375	19,408,500	10%
Industrial	233	133	57%	100,555,575	72,763,000	72%
Residential	12,226	5,362	44%	1,463,821,050	757,547,150	52%
Religious/Non Profit	76	44	58%	57,393,000	36,256,000	63%
Schools	25	15	60%	19,305,000	13,007,000	67%
Total	**14,077**	**6,065**	**43%**	**2,231,150,150**	**1,076,016,200**	**48%**

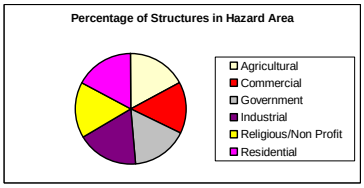


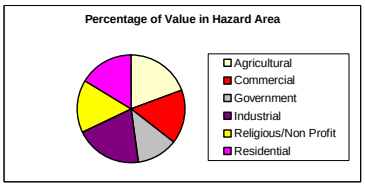


Number of People		
# in Community	**# in Hazard Area**	**%in Hazard Area**
104503	**76,334**	**73%**

Levee Failure

	Number of Structures			Value of Structures		
Type of Structure (Occupancy Class)	**# in Community**	**# in Hazard Area**	**% in Hazard Area**	**$ in Community**	**$ in Hazard Area**	**% in Hazard Area**
Agricultural	31	23	74%	13,589,000	12,917,000	95%
Commercial	1,220	413	34%	378,078,150	164,117,550	43%
Government	266	76	28%	198,408,375	19,408,500	10%
Industrial	233	133	57%	100,555,575	72,763,000	72%
Residential	12,226	5,362	44%	1,463,821,050	757,547,150	52%
Religious/Non Profit	76	44	58%	57,393,000	36,256,000	63%
Schools	25	15	60%	19,305,000	13,007,000	67%
Total	**14,077**	**6,065**	**43%**	**2,231,150,150**	**1,076,016,200**	**48%**

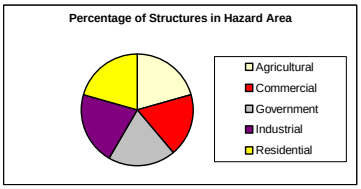


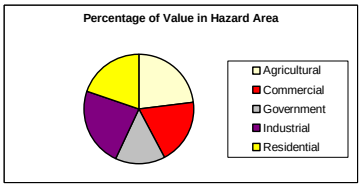


Number of People		
# in Community	**# in Hazard Area**	**%in Hazard Area**
104503	**76,334**	**73%**

Hurricane

	Number of Structures			Value of Structures		
Type of Structure (Occupancy Class)	**# in Community**	**# in Hazard Area**	**% in Hazard Area**	**$ in Community**	**$ in Hazard Area**	**% in Hazard Area**
Agricultural	31	10	32%	13,589,000	4,348,480	32%
Commercial	7,079	2,265	32%	1,048,550,150	335,536,048	32%
Government	15	5	32%	11,257,000	3,602,240	32%
Industrial	132	42	32%	74,920,000	23,974,400	32%
Residential	6,847	2,191	32%	1,018,757,500	326,002,400	32%
Religious/Non Profit	76	24	32%	57,393,000	18,365,760	32%
Schools	25	8	32%	19,305,000	6,177,600	32%
Total	**14,204**	**4,545**	**32%**	**2,243,771,650**	**718,006,928**	**32%**



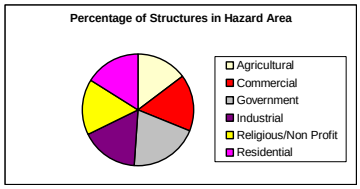


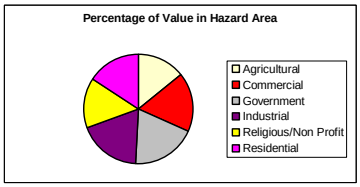
Number of People		
# in Community	**# in Hazard Area**	**%in Hazard Area**
104503	**33,441**	**32%**

Attachment c2-26.7
Worksheet #3A—Unincorporated HAZUS

Terrebonne Parish Worksheet 3A -- Unincorporated HAZUS

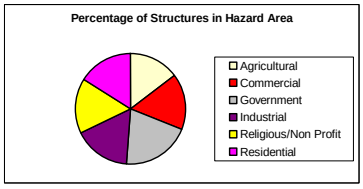
Flood Events						
	Number of Structures			Value of Structures		
Type of Structure (Occupancy Class)	**# in Community**	**# in Hazard Area**	**% in Hazard Area**	**$ in Community**	**$ in Hazard Area**	**% in Hazard Area**
Agricultural	73	52	71%	9,544,000	6,680,000	70%
Commercial	1,173	942	80%	714,885,000	624,279,000	87%
Government	31	30	97%	13,985,000	13,436,000	96%
Industrial	406	333	82%	274,480,000	253,505,000	92%
Religious/Non Profit	112	87	78%	69,715,000	51,794,000	74%
Residential	26,056	20,608	79%	3,290,308,000	2,579,461,000	78%
Schools	41	37	90%	47,580,000	44,501,000	94%
Total	**27,892**	**22,089**	**79%**	**4,420,497,000**	**3,573,656,000**	**81%**

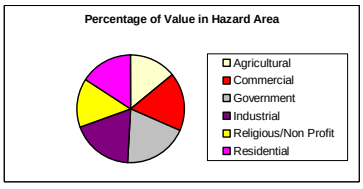




Number of People		
# in Community	**# in Hazard Area**	**%in Hazard Area**
69127	**54,215**	**78%**

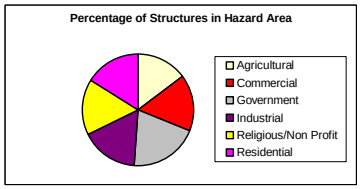
Levee Failure						
	Number of Structures			Value of Structures		
Type of Structure (Occupancy Class)	**# in Community**	**# in Hazard Area**	**% in Hazard Area**	**$ in Community**	**$ in Hazard Area**	**% in Hazard Area**
Agricultural	73	52	71%	9,544,000	6,680,000	70%
Commercial	1,173	942	80%	714,885,000	624,279,000	87%
Government	31	30	97%	13,985,000	13,436,000	96%
Industrial	406	333	82%	274,480,000	253,505,000	92%
Religious/Non Profit	112	87	78%	69,715,000	51,794,000	74%
Residential	26,056	20,608	79%	3,290,308,000	2,579,461,000	78%
Schools	41	37	90%	47,580,000	44,501,000	94%
Total	**27,892**	**22,089**	**79%**	**4,420,497,000**	**3,573,656,000**	**81%**

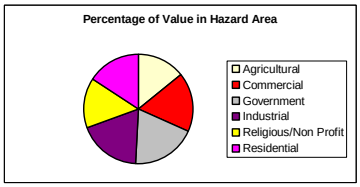




Number of People		
# in Community	**# in Hazard Area**	**%in Hazard Area**
69127	**54,215**	**78%**

Hurricane						
	Number of Structures			Value of Structures		
Type of Structure (Occupancy Class)	**# in Community**	**# in Hazard Area**	**% in Hazard Area**	**$ in Community**	**$ in Hazard Area**	**% in Hazard Area**
Agricultural	73	23	32%	9,544,000	3,054,080	32%
Commercial	1,173	375	32%	714,885,000	228,763,200	32%
Government	31	10	32%	13,985,000	4,475,200	32%
Industrial	406	130	32%	274,480,000	87,833,600	32%
Religious/Non Profit	112	36	32%	69,715,000	22,308,800	32%
Residential	26,056	8,338	32%	3,290,308,000	1,052,898,560	32%
Schools	41	13	32%	47,580,000	15,225,600	32%
Total	**27,892**	**8,925**	**32%**	**4,420,497,000**	**1,414,559,040**	**32%**



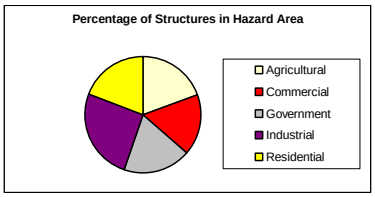


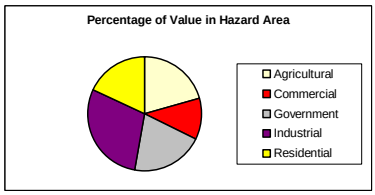
Number of People		
# in Community	**# in Hazard Area**	**%in Hazard Area**
69127	**22,121**	**32%**

Attachment c2-26.8
Worksheet #3A—Unincorporated Land Use and Tax Assessor Data

Terrebonne Parish Worksheet 3A -- Unincorporated Land Use and Tax Assessor Data

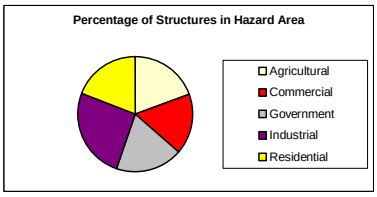
Flood Events						
	Number of Structures			Value of Structures		
Type of Structure (Occupancy Class)	**# in Community**	**# in Hazard Area**	**% in Hazard Area**	**$ in Community**	**$ in Hazard Area**	**% in Hazard Area**
Agricultural	2,035	1,237	61%	159,038,400	94,482,050	59%
Commercial	2,160	1,155	53%	550,758,900	185,499,600	34%
Government	698	415	59%	111,872,400	66,753,500	60%
Industrial	768	613	80%	133,271,800	112,275,100	84%
Residential	23,698	14,226	60%	1,715,750,680	894,317,430	52%
Total	**29,359**	**17,646**	**60%**	**2,670,692,180**	**1,353,327,680**	**51%**

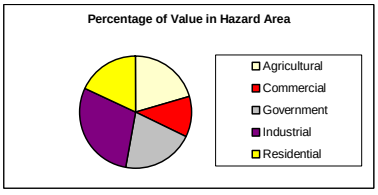




Number of People		
# in Community	**# in Hazard Area**	**%in Hazard Area**
69127	**54,215**	**78%**

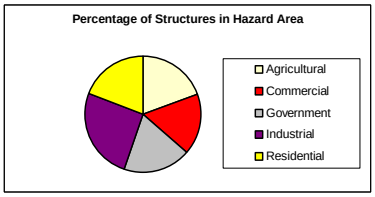
Levee Failure						
	Number of Structures			Value of Structures		
Type of Structure (Occupancy Class)	**# in Community**	**# in Hazard Area**	**% in Hazard Area**	**$ in Community**	**$ in Hazard Area**	**% in Hazard Area**
Agricultural	2,035	1,237	61%	159,038,400	94,482,050	59%
Commercial	2,160	1,155	53%	550,758,900	185,499,600	34%
Government	698	415	59%	111,872,400	66,753,500	60%
Industrial	768	613	80%	133,271,800	112,275,100	84%
Residential	23,698	14,226	60%	1,715,750,680	894,317,430	52%
Total	**29,359**	**17,646**	**60%**	**2,670,692,180**	**1,353,327,680**	**51%**

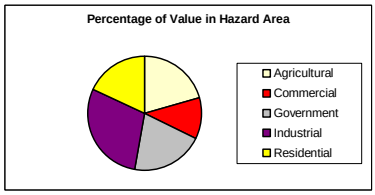




Number of People		
# in Community	**# in Hazard Area**	**%in Hazard Area**
69127	**54,215**	**78%**

Hurricane						
	Number of Structures			Value of Structures		
Type of Structure (Occupancy Class)	**# in Community**	**# in Hazard Area**	**% in Hazard Area**	**$ in Community**	**$ in Hazard Area**	**% in Hazard Area**
Agricultural	2,035	651	32%	159,038,400	50,892,288	32%
Commercial	2,160	691	32%	550,758,900	176,242,848	32%
Government	698	223	32%	111,872,400	35,799,168	32%
Industrial	768	246	32%	133,271,800	42,646,976	32%
Residential	23,698	7,583	32%	1,715,750,680	549,040,218	32%
Total	**29,359**	**9,395**	**32%**	**2,670,692,180**	**854,621,498**	**32%**



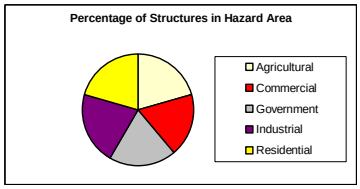


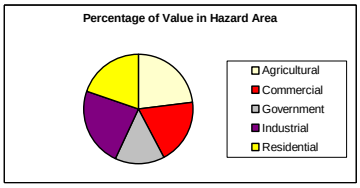
Number of People		
# in Community	**# in Hazard Area**	**%in Hazard Area**
69127	**22,121**	**32%**

Attachment c2-26.9
Worksheet #3A—Unincorporated Composite

Terrebonne Parish Worksheet 3A -- Unincorporated Composite

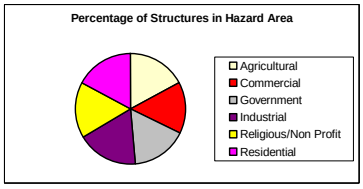
Flood Events						
	Number of Structures			Value of Structures		
Type of Structure (Occupancy Class)	**# in Community**	**# in Hazard Area**	**% in Hazard Area**	**$ in Community**	**$ in Hazard Area**	**% in Hazard Area**
Agricultural	31	23	74%	13,589,000	12,917,000	95%
Commercial	1,667	1,049	63%	632,821,950	404,889,300	64%
Government	365	223	61%	62,928,700	40,094,750	64%
Industrial	587	473	81%	203,875,900	182,890,050	90%
Residential	24,877	17,417	70%	2,503,029,340	1,736,889,215	69%
Religious/Non Profit	112	87	78%	69,715,000	51,794,000	74%
Schools	41	37	90%	47,580,000	44,501,000	94%
Total	**27,679**	**19,308**	**70%**	**3,533,539,890**	**2,473,975,315**	**70%**

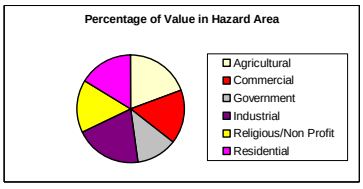




Number of People		
# in Community	**# in Hazard Area**	**%in Hazard Area**
104503	**76,334**	**73%**

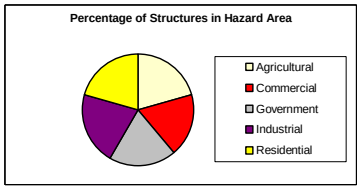
Levee Failure						
	Number of Structures			Value of Structures		
Type of Structure (Occupancy Class)	**# in Community**	**# in Hazard Area**	**% in Hazard Area**	**$ in Community**	**$ in Hazard Area**	**% in Hazard Area**
Agricultural	31	23	74%	13,589,000	12,917,000	95%
Commercial	1,667	1,049	63%	632,821,950	404,889,300	64%
Government	365	223	61%	62,928,700	40,094,750	64%
Industrial	587	473	81%	203,875,900	182,890,050	90%
Residential	24,877	17,417	70%	2,503,029,340	1,736,889,215	69%
Religious/Non Profit	112	87	78%	69,715,000	51,794,000	74%
Schools	41	37	90%	47,580,000	44,501,000	94%
Total	**27,679**	**19,308**	**70%**	**3,533,539,890**	**2,473,975,315**	**70%**

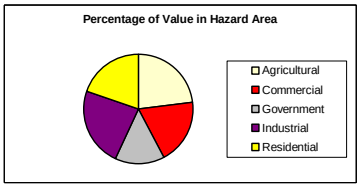




Number of People		
# in Community	**# in Hazard Area**	**%in Hazard Area**
104503	**76,334**	**73%**

Hurricane						
	Number of Structures			Value of Structures		
Type of Structure (Occupancy Class)	**# in Community**	**# in Hazard Area**	**% in Hazard Area**	**$ in Community**	**$ in Hazard Area**	**% in Hazard Area**
Agricultural	31	10	32%	13,589,000	4,348,480	32%
Commercial	15,266	4,885	32%	1,692,788,590	541,692,349	32%
Government	16	5	32%	6,992,500	2,237,600	32%
Industrial	203	65	32%	137,240,000	43,916,800	32%
Residential	13,028	4,169	32%	1,645,154,000	526,449,280	32%
Religious/Non Profit	112	36	32%	69,715,000	22,308,800	32%
Schools	41	13	32%	47,580,000	15,225,600	32%
Total	**28,697**	**9,183**	**32%**	**3,613,059,090**	**1,156,178,909**	**32%**





Number of People		
# in Community	**# in Hazard Area**	**%in Hazard Area**
104503	**33,441**	**32%**

Attachment c2-27
List of Critical Facilities

Type of Asset		Name/Description of Structure
Essential Facilitties	Hospitals	Acadian Ambulance Service
		Cardiovascular Institute of the South
		Chabert Medical Center
		Gulf States LTAC of Houma
		Physicians Surgery Specialty Hospital
		Terrebonne General Medical Center
	Emergency Operation Centers	911-Terrebonne Communications District
		Office of Emergency Preparedness (OEP)
		Storage Shed
	Police Stations	Houma Police Department
		Terrebonne Parish Juvenile Detention Center
		Terrebonne Parish Sheriff's Office
	Fire Stations	Bayou Black VFD--Station 2
		Bayou Black Volunteer Fire Department #9
		Bayou Blue Fire Department
		Bayou Blue VFD--Station 2
		Bayou Blue VFD--Station 3
		Bayou Cane Fire Protection District
		Bayou Cane VFD--Hollywood Road Station
		Bayou Cane VFD--Savanne Road Station
		Bayou Cane VFD--W. Park Avenue Station
		Bayou Dularge VFD--Station 1
		Bayou Dularge VFD--Station 2
		Bayou Dularge VFD--Station 4
		Bourg VFD
		Coteau Volunteer Fire Department
		Donner-Chacahoula--Central Station
		Dularge Volunteer Fire Department #10
		Gibson Fire Deparment
		Gibson East VFD--Central Station
		Gibson/Gibson East/Donner-Chaculula
		Grand Caillou Fire Department Fire # 4
		Grand Caillou VFD--Bobtown Station
		Grand Caillou VFD--Bobtown Sub Station
		Grand Caillou VFD--Dulac Fire Station

Type of Asset		Name/Description of Structure
Essential Facilities, cont.	Fire Stations, cont.	Grand Caillou VFD--Dulac Sub Station
		Houma FD--Airbase Station 5
		Houma FD--East Houma Station 3
		Houma FD--North Houma Station 2
		Houma FD--South Houma Station 1
		Houma Fire Department
		Little Caillou VFD--Lower Station 3
		Little Caillou VFD--Upper Station 1
		Little Caillou/ Chauvin Fire #7
		Montegut District # 6
		Montegut--Station 1
		Montegut--Station 2
		Montegut--Station 3
		Montegut--Station 4
		Schriever VFD--Central Schriever Station
		Schriever VFD--Elsworth Station
		Schriever VFD--Gray Station
		Schriever Volunteer Fire Dept.
		Village East VFD--Central Station
		Village East Volunteer Fire Department
	Schools	Acadian Elementary
		Andrew Price
		Annunziata
		Bayou Black Elementary
		Bayou Blue Elementary
		Bayou Cane Adult Ed Center
		Boudreaux Canal Elementary
		Bourg Elementary
		Broadmoor Elementary
		Caldwell Middle
		Coteau-Bayou Blue Elementary
		Depaul School
		Dularge Elementary
		Dularge Middle
		East Houma Elementary

Type of Asset		Name/Description of Structure
Essential Facilities, cont.	Schools, cont.	East Street
		Ellender Memorial High
		Elysian Fields Elementary
		Elysian Fields Middle
		Eureka Heights S/D-Grey
		Evergreen Jr. High
		Genesis Alternative High
		Gibson elementary
		Grand Caillou Elementary
		Grand Caillou Middle
		Greenwood Middle
		H.L. Bourgeois High
		Holy Rosary
		Honduras Elementary
		Houma Chrn El High School
		Houma Jr. High
		Jane Community Home
		Lacache Middle
		Legion Park Middle
		Lisa Park Elementary
		Little Caillou Elementary
		Maria Immacolata Elementary
		Montegut Elementary
		Montegut Middle
		Mulberry Elementary
		Oaklawn Jr. High
		Oakshire Elementary
		Omega Institure of Cosmentology
		Point-aux-Chenes Elementary
		Providence High School
		Schriever Elementary
		South Louisiana Beauty College
		South Louisiana Trade School
		South Terrebonne High
		Southdown Elementary

Type of Asset		Name/Description of Structure
Essential Facilities, cont.	Schools, cont.	St. Bernadette
		St. Francis De Sales
		St. Gregory Barbarigo
		St. Matthew's
		TARC
		Terrebonne High
		Terrebonne Voc Rehab
		Terrebonne Voc Tech High
		Upper Little Caillou Elementary
		Vandebilt Catholic High
		Village East Elementary
		West Park Elementary
	Assisted Living	Bonne Terre Village
		Homestead Assisted Living
		Suites at Sugar Mill Point
		TARC
		Terrebonne House
	Civic Center	Houma-Terrebonne Civic Center
	Home Health	Anoited Care Services LLC
		Bayou Home Care
		Bayou Region Hospice
		Home Health Center of Thibodaux Region
		Hospice of South Louisiana
	Home Health, Cont.	Journey Hospice
		Lafourche ARC
		Louisiana Homecare of Houma
		Metro Preferred Home Care
		Oschner St. Anne General Hospital Home
		South Louisiana Home Health
		Synergy Home Health Care River Region
		Terrebonne Home Care, Inc
		The Medical Team
		Total Pharmacy Services
	Medical	Cardiovascular Institute of the South
		Terrebonne Mental Health Center

Type of Asset		Name/Description of Structure
Essential Facilities, cont.	Medical, cont.	Terrebonne Parish Health Unit
	Nursing Homes	Chateau Terrebonne Health Care
		Heritage Manor of Houma
		Maison De'Ville Nursing Home
		The Oaks of Houma
Other	Parish Owned Buildings	Houma Terrebonne Housing Authority (Bayou Towers)
		Public Works Yard
		Pump Stations (Various Locations)
		Terrebonne Parish Con Gov-Cyp
		Terrebonne Parish Pollution Control
		TPCG Pollution Control South Treatment Plant
	Child Care	Louis Infant Crisis Center
		MacDonnell Methodist Children Services
Lifeline Utility Systems	Sewage	Fairway Sewage Corp
		North Sewage Treatment Plant
		South Sewage Treatment Plant
	Water	Andrew Price Regulator
		Bac-t Lab
		Bayou Black RW Pump Station
		Bayou Black Tank
		Bayou Dularge Tank
		Benoit Pump Station
		Boudreaux Canal Pump Station
		Chauvin Tank
		Cocodrie Tank
		Dulac Pump Station
		Dulac Tank
		Dumas Tank
		Elliot Jones
		Gibson Tank
		Grand Caillou Tank
		Hanson SG
		Houma GS 1
		Houma GS 2

Type of Asset		Name/Description of Structure
Lifeline Utility Systems	Water, cont	Houma GS3
		Houma Plant 3
		Houma Plant High Service
		Houma Water Plant
		Intracoastal RW Pump Station
		Klondyke Tank
		Lafort Canal RW PS
		Legion Building
		Lower Dulac Tank
		Main Office
		Minors SG
		Montegut Tank
		Munson PS
		North Terrebonne Standpipe
		Pointe-Aux-Chenes Pump Station
		Pointe-Aux-Chenes Tank
		Presque Isle PS
		Robinson Canal Pump Station
		Robinson Canal Tank
		Schriever GS1
		Schriever GS2
		Schriever Plant
		Schriever Tank
		Schriever Water Plant
		Shell PS
		Sludge Press Building
		South Terrebonne PS
		South Terrebonne Standpipe
		Texaco Master Meter
		Theriot Tank
		Waterproof RW PS
		West Gibson Tank
		Williams Street PS
		Blimp Base PS

Attachment c2-28
Identification of Critical Facilities in the Hazard Areas

Type of Asset		Name/Description of Structure	100-Year Flood Plain	Composite Risk	Levee Failure
Essential Facilities	Hospitals	Acadian Ambulance Service			
		Chabert Medical Center	X	X	X
		Gulf States LTAC of Houma			
		Physicians Surgery Specialty Hospital			
		Terrebonne General Medical Center			
	Assisted Living	Bonne Terre Village			
		Chateau Terrebonne Health Care			
		Heritage Manor of Houma			
		Homestead Assisted Living			
		Maison De'Ville Nursing Home			
		Suites at Sugar Mill Point			
		TARC			
		Terrebonne House			
		The Oaks of Houma			
	Home Health	Anoited Care Services LLC			
		Bayou Home Care	X	X	X
		Bayou Region Hospice			
		Home Health Center of Thibodaux Region			
		Hospice of South Louisiana			
		Journey Hospice	X	X	X
		Lafourche ARC			
		Louisiana Homecare of Houma			
		Metro Preferred Home Care	X	X	X
		Oschner St. Anne General Hospital Home			
		South Louisiana Home Health			
		Synergy Home Health Care River Region			
		Terrebonne Home Care, Inc	X	X	X
		The Medical Team			
		Total Pharmacy Services	X	X	X
	Medical	Cardiovascular Institute of the South			
		Terrebonne Mental Health Center	X	X	X
		Terrebonne Parish Health Unit	X	X	X
	Emergency Operation Centers	911-Terrebonne Communications District			
		Office of Emergency Preparedness (OEP)			
		Storage Shed			

Type of Asset		Name/Description of Structure	100-Year Flood Plain	Composite Risk	Levee Failure
Essential Facilities, cont.	Police Stations	Houma Police Department			
		Terrebonne Parish Juvenile Detention Center			
		Terrebonne Parish Sheriff's Office			
	Fire Stations	Bayou Black VFD--Station 2			
		Bayou Black Volunteer Fire Department #9			
		Bayou Blue Fire Department			
		Bayou Blue VFD--Station 2			
		Bayou Blue VFD--Station 3			
		Bayou Cane Fire Protection District			
		Bayou Cane VFD--Hollywood Road Station			
		Bayou Cane VFD--Savanne Road Station			
		Bayou Cane VFD--W. Park Avenue Station			
		Bayou Dularge VFD--Station 1		X	X
		Bayou Dularge VFD--Station 2			
		Bayou Dularge VFD--Station 4		X	X
		Bourg VFD	X	X	X
		Coteau Volunteer Fire Department			
		Donner-Chacahoula--Central Station			
		Dularge Volunteer Fire Department #10	X	X	X
		Gibson Fire Deparment			
		Gibson East VFD--Central Station		X	X
		Gibson/Gibson East/Donner-Chacahula			
		Grand Caillou Fire Department Fire # 4			
		Grand Caillou VFD--Bobtown Station	X	X	X
		Grand Caillou VFD--Bobtown Sub Station	X	X	X
		Grand Caillou VFD--Dulac Fire Station	X	X	X
		Grand Caillou VFD--Dulac Sub Station	X	X	X
		Houma FD--Airbase Station 5			
		Houma FD--East Houma Station 3			
		Houma FD--North Houma Station 2			
		Houma FD--South Houma Station 1			
		Houma Fire Department			
		Little Caillou VFD--Lower Station 3	X	X	X

Type of Asset		Name/Description of Structure	100-Year Flood Plain	Composite Risk	Levee Failure
Essential Facilities, cont.	Fire Stations, cont.	Little Caillou VFD--Upper Station 1	X	X	X
		Little Caillou/ Chauvin Fire #7			
		Montegut District # 6	X	X	X
		Montegut--Station 1	X	X	X
		Montegut--Station 2	X	X	X
		Montegut--Station 3		X	X
		Montegut--Station 4	X	X	X
		Schriever VFD--Central Schriever Station			
		Schriever VFD--Elsworth Station			
		Schriever VFD--Gray Station			
		Schriever Volunteer Fire Dept.			
		Village East VFD--Central Station			
		Village East Volunteer Fire Department			
	Schools	Acadian Elementary			
		Andrew Price			
		Annunziata			
		Bayou Black Elementary			
		Bayou Blue Elementary			
		Bayou Cane Adult Ed Center			
		Boudreaux Canal Elementary	X	X	X
		Bourg Elementary	X	X	X
		Broadmoor Elementary	X	X	X
		Caldwell Middle			
		Coteau-Bayou Blue Elementary			
		Depaul School			
		Dularge Elementary			
		Dularge Middle			
		East Houma Elementary			
		East Street			
		Ellender Memorial High			
		Elysian Fields Elementary	X	X	X
		Elysian Fields Middle	X	X	X
		Eureka Heights S/D-Grey			
		Evergreen Jr. High			
		Genesis Alternative High			
		Gibson elementary			

Type of Asset		Name/Description of Structure	100-Year Flood Plain	Composite Risk	Levee Failure
Essential Facilities, cont.	Schools, cont.	Grand Caillou Elementary	X	X	X
		Grand Caillou Middle	X	X	X
		Greenwood Middle			
		H.L. Bourgeois High			
		Holy Rosary			
		Honduras Elementary			
		Houma Chrn El High School			
		Houma Jr. High	X	X	X
		Jane Community Home	X	X	X
		Lacache Middle	X	X	X
		Legion Park Middle			
		Lisa Park Elementary			
		Little Caillou Elementary	X	X	X
		Maria Immacolata Elementary			
		Montegut Elementary	X	X	X
		Montegut Middle	X	X	X
		Mulberry Elementary			
		Oaklawn Jr. High			
		Oakshire Elementary			
		Omega Institure of Cosmetology	X	X	X
		Point-aux-Chenes Elementary	X	X	X
		Providence High School			
		Schriever Elementary			
		South Louisiana Beauty College	X	X	X
		South Louisiana Trade School			
		South Terrebonne High			
		Southdown Elementary			
		St. Bernadette			
		St. Francis De Sales			
		St. Gregory Barbarigo	X	X	X
		St. Matthew's			
		TARC			
		Terrebonne High			
		Terrebonne Voc Rehab			
		Terrebonne Voc Tech High			
		Upper Little Caillou Elementary			

Type of Asset		Name/Description of Structure	100-Year Flood Plain	Composite Risk	Levee Failure
Essential Facilities, cont.	Schools, cont.	Vandebilt Catholic High			
		Village East Elementary	X	X	X
		West Park Elementary			
Other	Parish Owned Buildings	Houma Terrebonne Housing Authority (Bayou Towers)			
		Houma-Terrebonne Civic Center			
		Public Works Yard	X	X	X
		Pump Stations (Various Locations)	X	X	X
		Terrebonne Parish Con Gov-Cyp			
		Terrebonne Parish Pollution Control			
		TPCG Pollution Control South Treatment Plant			
	Child Care	Louis Infant Crisis Center			
		MacDonnell Methodist Children Services			
Lifeline Utility Systems	Sewage	Fairway Sewage Corp			
		North Sewage Treatment Plant	X	X	X
		South Sewage Treatment Plant	X	X	X
	Water	Andrew Price Regulator			
		Bac-t Lab			
		Bayou Black RW Pump Station	X	X	X
		Bayou Black Tank			
		Bayou Dularge Tank	X	X	X
		Benoit Pump Station	X	X	X
		Blimp Base PS			
		Boudreaux Canal Pump Station	X	X	X
		Chauvin Tank	X	X	X
		Cocodrie Tank	X	X	X
		Dulac Pump Station	X	X	X
		Dulac Tank	X	X	X
		Dumas Tank	X	X	X
		Elliot Jones	X	X	X
		Gibson Tank			
		Grand Caillou Tank	X	X	X
		Hanson SG	X	X	X
		Houma GS 1			
		Houma GS 2			

Type of Asset		Name/Description of Structure	100-Year Flood Plain	Composite Risk	Levee Failure
Lifeline Utility Systems, cont.	Water, cont.	Houma GS3			
		Houma Plant 3			
		Houma Plant High Service			
		Houma Water Plant			
		Intracoastal RW Pump Station			
		Klondyke Tank			
		Lafort Canal RW PS		X	X
		Legion Building			
		Lower Dulac Tank	X	X	X
		Main Office			
		Minors SG	X	X	X
		Montegut Tank	X	X	X
		Munson PS			
		North Terrebonne Standpipe			
		Pointe-Aux-Chenes Pump Station	X	X	X
		Pointe-Aux-Chenes Tank	X	X	X
		Presque Isle PS			
		Robinson Canal Pump Station	X	X	X
		Robinson Canal Tank	X	X	X
		Schriever GS1			
		Schriever GS2	X	X	X
		Schriever Plant		X	X
		Schriever Tank			
		Schriever Water Plant			
		Shell PS			
		Sludge Press Building		X	X
		South Terrebonne PS			
		South Terrebonne Standpipe			
		Texaco Master Meter	X	X	X
		Theriot Tank		X	X
		Waterproof RW PS	X	X	X
		West Gibson Tank			
		Williams Street PS	X	X	X

Repetitive Loss List - 11/07/07
Terrebonne Parish

Bold entries = Severe Repetitive Loss (SRL)

RL #	#	City	SRL	L	CLAIMS PD	COMMENTS
0148500	105	BOURG		2	22,977.96	
0129813	**122**	**BOURG**	**x**	**3**	**144,652.42**	
164105	**4268**	**BOURG**	**x**	**2**	**43,321.71**	**NEW TO SEVERE LIST**
153195	4031	BOURT		2	7,770.76	RL NEW LISTING
0124931	5068	CHAUVIN		4	269,871.34	
1709	5107	CHAUVIN				ELEV/SENT ISO 11/03/06
0001622	5324	CHAUVIN		3	152,693.36	ICC/ELEVATION-OPEN 06/30/07
3974	5327	CHAUVIN		2	15,929.61	RL NEW LISTING
0003042	**5411**	**CHAUVIN**	**x**	**3**	**69,938.53**	**ELEV/SENT ISO 07/01/07**
0012513	5413	CHAUVIN		2	43,594.51	
0001794	5421	CHAUVIN		3	35,119.40	
0024050	5449	CHAUVIN		3	70,645.10	
0001643	**5457**	**CHAUVIN**	**x**	**3**	**133,106.97**	
0000601	5505	CHAUVIN		3	42,900.00	ICC/ELEVATION-CLOSED 06/30/07
0012497	5521	CHAUVIN		3	36,431.44	
2887	5607	CHAUVIN				ELEV/SENT ISO 07/01/07
0003048	**5729**	**CHAUVIN**	**x**	**3**	**118,630.27**	
3392	5921	CHAUVIN		2	35,066.13	RL NEW LISTING
3734	**5939**	**CHAUVIN**	**x**	**3**	**42,411.65**	
0002809	6033	CHAUVIN		3	73,240.61	DUPE?
0003734	**6033**	**CHAUVIN**	**x**	**2**	**21,782.78**	**DUPE?**
3235	6541	CHAUVIN				demo/SENT ISO 11/03/06
12512	104	CHAUVIN		2	40,550.21	
0022324	105	CHAUVIN		3	109,397.83	ICC/ELEVATION-CLOSED 06/30/07
0001074	108	CHAUVIN		3	86,940.09	
0148504	205	CHAUVIN		2	94,752.70	
0149246		CHAUVIN		3	60,988.83	
0094658	**100**	**CHAUVIN**	**x**	**7**	**135,957.00**	**ICC/ELEVATION-CLOSED 06/30/07**
0114601	111	CHAUVIN		3	45,447.37	VACANT LOT/VALIDATION

RL #	#	City	SRL	L	CLAIMS PD	COMMENTS
0001340	201	CHAUVIN		3	49,528.69	
0117279	205	CHAUVIN		3	94,141.49	
1359	214	CHAUVIN		2	19,784.45	RL NEW LISTING
0001787	**600**	**CHAUVIN**	**x**	**3**	**114,000,00**	**NEW TO SEVERE LIST**
0001705	602	CHAUVIN		3	70,823.87	
0060812	**120**	**CHAUVIN**	**x**	**4**	**46,813.96**	**ICC/ELEVATION-CLOSED 06/30/07**
0001763	**330**	**CHAUVIN**	**x**	**4**	**69,000.00**	**need boat to inspect**
0122701	6523	CHAUVIN		3	157,750.27	ICC/DEMOLITION-CLOSED 06/30/07
0003744	208	CHAUVIN		2	65,971.26	
0148919	6903	CHAUVIN		2	68,198.08	
0001840	6919	CHAUVIN		2	16,417.36	
0093869	**6925**	**CHAUVIN**	**x**	**4**	**65,117.75**	
0123432	6936	CHAUVIN		2	3,714.18	DEMO/SENT ISO 07/01/07
164562	6935	CHAUVIN		2	78,437.46	RL NEW LISTING
164277	6935	CHAUVIN		2	61,979.84	RL NEW LISTING
152261	7404	CHAUVIN		2	20,236.16	RL NEW LISTING
0148308	7434	CHAUVIN		2	12,584.13	
0143748	7476	CHAUVIN		2	36,121.69	
158811	**7482**	**CHAUVIN**	**x**	**2**	**177,043.56**	**FEMA II-NEW STRUCTURE?**
0061446	7491	CHAUVIN		3	68,643.50	
161414	101	CHAUVIN		2	55,034.69	
0003228	104	CHAUVIN		3	68,372.91	
0001766	109	CHAUVIN		3	72,134.00	ELEV/SENT ISO 11/03/06
0001831	105	CHAUVIN		3	100,595.64	ELEV/SENT ISO 11/03/06
0001774	106	CHAUVIN		3	54,378.35	
0002914	206	CHAUVIN		3	56,154.04	
0002409	109	CHAUVIN		3	102,742.20	ICC/OTHER MITIGATION-OPEN 06/30/07
154992	4561	CHAUVIN		2	34,459.62	
0000517	4569	CHAUVIN		4	36,510.70	
0149605	4612	CHAUVIN		2	8,888.65	
0120414	5527	CHAUVIN		3	27,710.66	
0001054	**5573**	**CHAUVIN**	**x**	**10**	**78,276.20**	**NEW TO SEVERE LIST**
161419	5591	CHAUVIN		2	21,275.38	RL NEW LISTING
0124488	**5629**	**CHAUVIN**	**x**	**4**	**1,308,797.60**	**NEW TO SEVERE LIST**
0003199	**5644**	**CHAUVIN**	**x**	**10**	**1,488,847.12**	**NEED ELEVATION CERTIFICATE**
0001633	5656	CHAUVIN		3	55,412.26	

RL #	#	City	SRL	L	CLAIMS PD	COMMENTS
0004002	5714	CHAUVIN		3	63,402.31	
0113167	**5715**	**CHAUVIN**	**x**	**6**	**1,483,575.89**	**NEW TO SEVERE LIST**
0003154	5730	CHAUVIN		3	48,741.47	
0003742	5756	CHAUVIN		2	410,715.43	
0001703	5770	CHAUVIN		3	47,730.68	
0021499	5818	CHAUVIN		2	10,184.45	
0122208	5822	CHAUVIN		2	3,731.01	ICC/ELEVATION-CLOSED 06/30/07
12536	5846	CHAUVIN		2	15,058.90	MITIGATED?/ TYPE? /CERT?
0012536	5900	CHAUVIN		3	69,890.88	ELEV/SENT ISO 11/03/06
163127	5957	CHAUVIN		2	26,781.02	RL NEW LISTING
158663	5958	CHAUVIN		2	80,874.69	RL NEW LISTING
0012526	6030	CHAUVIN		3	82,562.74	
0096025	6038	CHAUVIN		3	18,407.14	
1632	6238	CHAUVIN				ELEV/SENT ISO 07/01/07
0093731	**6401**	**CHAUVIN**	**x**	**5**	**248,444.74**	**NEW TO SEVERE LIST**
0093732	6453	CHAUVIN		2	11,058.04	
0090584	6457	CHAUVIN		5	71,742.06	ELEV/HMGP
0097583	**6463**	**CHAUVIN**	**x**	**5**	**209,737.37**	
120764	6479	CHAUVIN		3	87,501.18	ELEV/SENT ISO 11/03/06
2921	6481	CHAUVIN		4	83,282.82	RL NEW LISTING
0002332	6483	CHAUVIN		4	87,386.69	ELEV/BFE/ICC
0149268	6495	CHAUVIN		2	30,800.00	FEMA TEAM "DEMOLISHED" 11/14/06
0060815	**6551**	**CHAUVIN**	**x**	**4**	**62,831.91**	
0124389	6645	CHAUVIN		3	173,794.49	
0135586	6677	CHAUVIN		2	8,487.10	DEMO/SENT ISO 11/03/06
0121710	6830	CHAUVIN		8	715,220.78	
0001674	**6830**	**CHAUVIN**	**x**	**6**	**355,908.46**	**NEW TO SEVERE LIST**
0146471	6867	CHAUVIN		2	32,660.54	
154068	6890	CHAUVIN		2	130,875.63	RL NEW LISTING
0121620	7369	CHAUVIN		3	77,139.67	ELEV/SENT ISO 11/03/06
153848	**7389**	**CHAUVIN**	**x**	**2**	**143,163.47**	
160527	7428	CHAUVIN		2	36,191.81	RL NEW LISTING
0148196	7429	CHAUVIN		2	11,421.33	DESTROYED/NEED VALIDATION
148308	7434	CHAUVIN		2	12,584.13	RL NEW LISTING
0143809	7437	CHAUVIN		2	33,304.32	
160304	7439	CHAUVIN		2	50,514.60	RL NEW LISTING

RL #	#	City	SRL	L	CLAIMS PD	COMMENTS
0012502	**7521**	**CHAUVIN**	**x**	**4**	**54,598.69**	
0052661	7542	CHAUVIN		2	44,514.37	
0120257	7555	CHAUVIN		3	42,567.04	
152238	7635	CHAUVIN				ELEV/SENT ISO 07/01/07
0148475	8053	CHAUVIN		2	25,388.96	
162406	8133	CHAUVIN		2	79,088.04	RL NEW LISTING
0121534	8239	CHAUVIN		3	306,689.00	
0060818	5842	CHAUVIN		2	30,200.78	
60830	141	CHAUVIN		3	65,091.82	ELEV/SENT ISO 11/03/06
2933	701	CHAUVIN				ELEV/SENT ISO 07/01/07
0012507	**110**	**CHAUVIN**	**x**	**3**	**94,490.54**	
0060826	**111**	**CHAUVIN**	**x**	**3**	**19,906.30**	**NEED ELEVATION CERTIFICATE**
1053	201	CHAUVIN		2	9,860.42	RL NEW LISTING
0001702	303	CHAUVIN		3	84,115.93	DEMO/SENT ISO 11/03/06
0011803	**301**	**CHAUVIN**	**x**	**3**	**88,405.73**	**ICC/ELEVATION-CLOSED 06/30/07**
0147565	107	CHAUVIN		2	97,962.00	DEMO/SENT ISO 07/01/07
1704	109	CHAUVIN		2	54,031.27	RL NEW LISTING
0096026	114	CHAUVIN		3	37,613.24	
0124324	**106**	**CHAUVIN**	**x**	**2**	**142,017.94**	**NEW TO SEVERE LIST**
0123802	**118**	**CHAUVIN**	**x**	**3**	**70,481.93**	**NEW TO SEVERE LIST**
0123805	**120**	**CHAUVIN**	**x**	**3**	**38,872.59**	**ICC/ELEVATION-OPEN 06/30/07**
154998	184	CHAUVIN		2	76,762.94	RL NEW LISTING
1689	201	CHAUVIN		2	20,395.19	RL NEW LISTING
158453	**7986**	**CHAUVIN**	**x**	**2**	**75,524.24**	
0120774	**8054**	**CHAUVIN**	**x**	**4**	**105,081.61**	**NEW TO SEVERE LIST**
0148445	8134	CHAUVIN		2	19,783.54	
55373	**8140**	**CHAUVIN**	**x**	**4**	**55,242.62**	**NEW TO SEVERE LIST**
122561	8249	CHAUVIN		3	351,989.57	RL NEW LISTING
0144945	213	CHAUVIN		2	74,815.62	
0147985	305	CHAUVIN		2	202,871.37	
122524	7828	CHAUVIN		3	23,887.42	RL NEW LISTING
161420		CHAUVIN		2	19,339.17	RL NEW LISTING
162076	**7207**	**CHAUVIN**	**x**	**2**	**101,344.54**	
0095278	7210	CHAUVIN		2	32,045.62	
122003	7219	CHAUVIN		3	109,229.14	RL NEW LISTING
0060833	7220	CHAUVIN		2	7,545.00	

RL #	#	City	SRL	L	CLAIMS PD	COMMENTS
0123669	7221	CHAUVIN		2	18,041.64	
0144944	7229	CHAUVIN		2	33,173.28	
0148227	7232	CHAUVIN		2	13,810.29	
153729	7243	CHAUVIN		2	35,977.07	RL NEW LISTING
0123860	7309A	CHAUVIN		3	62,863.57	
0148208	110	CHAUVIN		2	153,278.35	
157368	203	CHAUVIN		2	72,326.24	ELEV/SENT ISO 11/03/06
0144373	206	CHAUVIN		2	145,747.96	
0003429	204	CHAUVIN		3	68,663.26	ELEV/SENT ISO 04/02/07
0002684	205	CHAUVIN		3	110,284.20	
158450	7119	CHAUVIN		2	31,929.25	RL NEW LISTING
163904	7141	CHAUVIN		2	88,995.23	RL NEW LISTING
154999	7218	CHAUVIN		2	77,012.72	RL NEW LISTING
0002743	**106**	**CHAUVIN**	**x**	**3**	**88,983.97**	
0001750	116	CHAUVIN		2	20,394.05	
0123551	**7782**	**CHAUVIN**	**x**	**3**	**78,101.95**	
0060814	**213**	**CHAUVIN**	**x**	**3**	**122,360.35**	**ICC/ELEVATION-CLOSED 06/30/07**
162074	2 MI PAS	CHAUVIN		2	41,363.52	RL NEW LISTING
120403	20 MI S C	CHAUVIN		3	38,761.15	RL NEW LISTING
120405	7 MI S HV	CHAUVIN		3	36,345.86	RL NEW LISTING
1343	ELVIE ST	CHAUVIN		2	15,058.90	RL NEW LISTING
152848	END OF	CHAUVIN		2	221,852.35	RL NEW LISTING
158452	S HWY	CHAUVIN		2	28,246.04	RL NEW LISTING
0001056	103	CHAUVIN		3	47,918.87	
153145	213	CHAUVIN		2	251,024.05	RL NEW LISTING
0000409	107	CHAUVIN		3	36,183.47	
0001709	7375	COCODRIE		3	31,825.82	ICC/DEMOLISHED/REBUILD
0012509	7653	COCODRIE		2	20,360.96	
0120707	8050	COCODRIE		4	32,846.55	
0001364	8114	COCODRIE		3	105,370.56	
0121304	8028	COCODRIE		3	91,643.90	
0123603	7167	COCODRIE		3	9,883.30	
0148215		COCODRIE		2	29,898.59	need boat to inspect/address
120099		**DULAC**	**x**	**3**	**70,744.06**	**NEW TO SEVERE LIST**
0148974	101	DULAC		2	61,331.25	ICC/OTHER-CLOSED 06/30/07
153366	102	DULAC		2	98,689.09	RL NEW LISTING

RL #	#	City	SRL	L	CLAIMS PD	COMMENTS
120802	103	DULAC		3	49,745.62	RL NEW LISTING
0121488	106	DULAC		3	224,114.59	
0148964	174	DULAC		2	43,564.50	
0149271	119	DULAC		2	15,800.00	
163921	104	DULAC		2	40,115.02	
0143612	105	DULAC		2	13,178.50	ICC/ELEVATION-CLOSED 06/30/07
0148953	106	DULAC		2	71,546.69	
0099087	215	DULAC		3	71,727.97	ELEV/SENT ISO 11/03/06
0147523	261	DULAC		2	63,069.66	
160810	3925	DULAC		2	38,766.39	RL NEW LISTING
152250	1078	DULAC		2	58,513.03	RL NEW LISTING
0119047	1082	DULAC		3	41,402.27	ICC/ELEVATION-CLOSED 06/30/07
0120244	1083	DULAC		3	60,051.28	
0061329	**1087**	**DULAC**	**x**	**4**	**41,925.61**	
152104	1089	DULAC		2	40,126.98	RL NEW LISTING
22405	**1092**	**DULAC**	**x**	**5**	**84,877.20**	**NEW ELEVATION????**
0061330	**1095**	**DULAC**	**x**	**4**	**98,687.56**	
0124229	**1103**	**DULAC**	**x**	**3**	**159,113.16**	**NEW TO SEVERE LIST**
0148962	**1113**	**DULAC**	**x**	**2**	**35,537.64**	**DEMOLISHED/NEED CERTIFICATE**
0148277	1137	DULAC		2	12,239.26	
2617	1151	DULAC		4	32,909.39	RL NEW LISTING
160800		DULAC		2	27,420.72	ICC/ELEVATION-CLOSED 06/30/07
0146450	116	DULAC		2	24,176.89	
0060606	5043	DULAC		2	60,177.99	
139997	**5471**	**DULAC**	**x**	**3**	**100,955.10**	**ICC/ELEVATION-OPEN 06/30/07**
0011799	5657	DULAC		3	97,837.67	FEMA TEAM "DEMOLISHED" 11/14/06
0002627	**6100**	**DULAC**	**x**	**3**	**29,258.37**	**FEMA TEAM "DEMOLISHED" 11/14/06**
0120253	6109	DULAC		3	144,880.86	
119207	6504	DULAC		3	50,154.61	RL NEW LISTING
157363	6565	DULAC		2	39,608.71	RL NEW LISTING
0021865	**6579**	**DULAC**	**x**	**4**	**94,014.85**	**NEW TO SEVERE LIST**
148245	6615	DULAC		2	66,676.63	ICC/ELEVATION-CLOSED 06/30/07
163182	6625	DULAC		2	61,845.01	RL NEW LISTING
0144036	**6666**	**DULAC**	**x**	**2**	**96,235.37**	
0119146	6689	DULAC		3	129,321.09	NEED FINAL ELEVATION CERTIFICATE
0094767	**6741**	**DULAC**	**x**	**4**	**12,916,660.86**	**NEW TO SEVERE LIST**

RL #	#	City	SRL	L	CLAIMS PD	COMMENTS
0003369	6769	DULAC		3	18,690.65	
0120394	6845	DULAC		3	38,445.85	
0148241	6861	DULAC		2	19,100.65	ELEV/SENT ISO 11/03/06
158451	6875	DULAC		2	104,622.15	ICC/ELEVATION-CLOSED 06/30/07
0120227	6904	DULAC		3	210,073.49	
0148920	6953	DULAC		2	63,998.91	ELEV-ICC/RECD/09/20/06
0148460	6981	DULAC		2	66,623.32	ELEV/SENT ISO 11/03/06
0121741	7001	DULAC		2	45,608.56	
0091550	7066	DULAC		3	20,126.36	
155365	7111	DULAC		2	74,156.06	RL NEW LISTING
0150024	7135	DULAC		2	69,797.24	
0001676	**7145**	**DULAC**	**x**	**3**	**32,871.34**	**ELEV/SENT ISO 11/03/06**
119644	7185	DULAC		3	125,045.83	ELEV/SENT ISO 11/03/06
0144044	7275	DULAC		2	26,743.50	
154069	7303	DULAC		2	210,727.43	RL NEW LISTING
0120182	7587	DULAC		3	128,111.15	
0135587	7798	DULAC		3	21,954.55	
0133868	7802	DULAC		2	3,930.91	
0119000	8820	DULAC		4	1,096,163.15	
0138779	8820	DULAC		3	810,494.27	
0011734	**8835**	**DULAC**	**x**	**6**	**2,156,560.60**	**MITIGATED?/ TYPE? /CERT?**
0120390	8931	DULAC		3	77,200.00	ICC/DEMOLITION-CLOSED 06/30/07
160798	8556	DULAC		2	37,613.14	RL NEW LISTING
164218	**7802**	**DULAC**	**x**	**2**	**18,012.73**	**NEW TO SEVERE LIST**
0093811	107	DULAC		3	127,650.89	ELEV/SENT ISO 11/03/06
0150034	214	DULAC		2	21,452.86	ICC/ELEVATION-OPEN 06/30/07
163181	117	DULAC		2	136,090.59	RL NEW LISTING
0119149	**127**	**DULAC**	**x**	**3**	**128,468.80**	
0098498	177	DULAC		3	100,990.24	ICC/RELOCATED
0150033	132	DULAC		2	27,200.56	
0150035	180	DULAC		2	38,753.22	MITIGATED?/ TYPE? /CERT?
0150023	105	DULAC		2	46,418.82	
0149176	111	DULAC		2	37,297.71	
0150031	106	DULAC		2	23,921.73	
0150032	109	DULAC		2	36,404.54	ELEV/SENT ISO 07/01/07
0120397	110	DULAC		3	61,045.01	

RL #	#	City	SRL	L	CLAIMS PD	COMMENTS
0132280	212	DULAC		3	64,034.00	
0120803	142	DULAC		2	44,762.30	ICC/RELOCATED
0145211	163	DULAC		2	70,263.85	
157362	114	DULAC		2	30,079.34	RL NEW LISTING
0123012	121	DULAC		3	56,463.69	
0002843	126	DULAC		3	44,187.45	
119137	141	DULAC		3	61,657.82	RL NEW LISTING
0150030	145	DULAC		2	32,296.25	ELEV/SENT ISO 07/01/07
0145210	151	DULAC		3	84,355.69	
0012490	156	DULAC		2	25,000.00	
0148957	101	DULAC		2	45,210.50	ELEV/SENT ISO 07/01/07
0148231	5688	DULAC		2	38,400.00	
0148334	6550	DULAC		2	138,519.17	
0112488	6563	DULAC		4	83,353.67	ICC/ELEVATION-CLOSED 06/30/07
0092119	**6566**	**DULAC**	**x**	**4**	**113,291.48**	**ICC/ELEVATION-OPEN 06/30/07**
0150025	6572	DULAC		2	114,957.91	
1765	6673	DULAC		2	24,061.44	RL NEW LISTING
160411	6712	DULAC		2	139,365.72	RL NEW LISTING
153266	6743	DULAC		2	29,059.32	RL NEW LISTING
0150026	6751	DULAC		2	58,848.71	ELEV/SENT ISO 11/03/06
0099853	6768	DULAC		3	45,077.77	
0122209	6784	DULAC		3	78,578.56	
0150027	**6836**	**DULAC**	**x**	**2**	**169,484.50**	**NEW TO SEVERE LIST**
0099854	6841	DULAC		3	34,959.69	ELEV/SENT ISO 11/03/06
121474	6847	DULAC		3	36,173.95	
148226	6899	DULAC		2	30,300.00	FROM ST TAMMANY
163183	7244	DULAC		2	3,386.13	RL NEW LISTING
0146844	7272	DULAC		2	64,600.00	
162341	7294	DULAC		2	46,682.50	RL NEW LISTING
0012493	7326	DULAC		3	96,750.78	DEMO/SENT ISO 11/03/06
0011989	7368	DULAC		3	79,961.35	
153844	7374	DULAC		2	29,170.47	RL NEW LISTING
0120250	7390	DULAC		3	40,886.61	ICC/ELEVATION-CLOSED 06/30/07
0144741	7394	DULAC		2	25,393.89	
0120269	7395	DULAC		3	46,793.31	ICC/ELEVATION-CLOSED 06/30/07
0150028	7402	DULAC		2	48,751.03	

RL #	#	City	SRL	L	CLAIMS PD	COMMENTS
367	7434	DULAC		4	41,688.58	RL NEW LISTING
0012695	7438	DULAC		3	33,298.47	ELEV/SENT ISO 11/03/06
0012484	8623	DULAC		3	45,462.46	
0121126	8651	DULAC		2	44,137.71	ELEV/SENT ISO 11/03/06
121796	**8735**	**DULAC**	**x**	**3**	**93,572.55**	**ICC/ELEVATION-CLOSED 06/30/07**
0148968	7352C	DULAC		2	75,265.47	ELEV/SENT ISO 07/01/07
0150029	6823	DULAC		2	49,523.15	ELEV/SENT ISO 07/01/07
0103516	6835	DULAC		4	149,136.09	ELEV/SENT ISO 07/01/07
0148921	7359	DULAC		2	27,228.49	
0148489	100	DULAC		2	31,641.44	
0120251	**110**	**DULAC**	**x**	**3**	**21,000.00**	
144004	104	DULAC		2	59,206.68	ICC/DEMOLITION-CLOSED 06/30/07
0144004	6738	DULAC		2	59,206.68	
162627	102	DULAC		2	39,697.62	RL NEW LISTING
61334	108	DULAC		4	69,619.71	RL NEW LISTING
0097987	**125**	**DULAC**	**x**	**4**	**115,242.66**	**NEW TO SEVERE LIST**
1220401	1149	DULAC		3	73,779.43	ICC/ELEVATION-CLOSED 06/30/07
158466	6570	DULAC		2	253,742.86	RL NEW LISTING
0000379	600	GIBSON		2	62,200.00	
1799	104	HOUMA		2	17,000.00	RL NEW LISTING
0121125	400	HOUMA		5	14,325.32	
0148388	403	HOUMA		2	23,350.45	
0144007	421	HOUMA		2	6,892.17	
0119079	**153**	**HOUMA**	**x**	**4**	**121,035.38**	**NEW TO SEVERE LIST**
0005871	**1609**	**HOUMA**	**x**	**4**	**128,983.38**	**NEW TO SEVERE LIST**
0011914	214	HOUMA		4	32,582.94	
152242	129	HOUMA		2	30,832.59	RL NEW LISTING
0148034	108	HOUMA		2	25,583.66	ELEV/SENT ISO 11/03/06
0144361	115	HOUMA		2	185,564.95	
157433	116	HOUMA		2	129,694.42	ELEV/SENT ISO 11/03/06
0093681	10	HOUMA		4	8,170.89	
0060596	322	HOUMA		3	75,341.36	DEMOLISHED/HMGP
0119870	700	HOUMA		2	50,607.99	
0119857	131	HOUMA		2	20,232.11	
0112220	720	HOUMA		2	10,524.56	
0060595	600	HOUMA		3	10,696.59	

RL #	#	City	SRL	L	CLAIMS PD	COMMENTS
0072823	165	HOUMA		3	70,926.77	
0060580	408	HOUMA		3	50,954.34	
0089685	309	HOUMA		3	3,709.56	
0083842	**216**	**HOUMA**	**x**	**5**	**99,252.53**	**NEW TO SEVERE LIST**
0143911	206	HOUMA		2	106,095.31	
0141703	121	HOUMA		2	34,705.79	
0060592	331	HOUMA		3	35,969.73	
0007571	5	HOUMA		2	20,817.39	
161404	112	HOUMA		2	20,300.16	RL NEW LISTING
0119133	814	HOUMA		2	12,540.70	
146481	**101**	**HOUMA**	**x**	**2**	**103,653.97**	
119830	**103**	**HOUMA**	**x**	**3**	**160,276.20**	**ICC/ELEVATION-OPEN 06/30/07**
152227	112	HOUMA		2	3,860.37	RL NEW LISTING
0119821	221	HOUMA		2	30,026.48	
0060579	227	HOUMA		4	50,723.13	
0012768	325	HOUMA		2	13,755.06	
0112588	621	HOUMA		3	7,930.68	
112588	621	HOUMA		3	7,930.68	RL NEW LISTING
0071841	821	HOUMA		2	5,202.70	MITIGATED?/ TYPE? /CERT?
154928	3540	HOUMA		2	11,053.80	RL NEW LISTING
152237	3550	HOUMA		2	32,301.59	RL NEW LISTING
0148485	4095	HOUMA		2	15,419.50	
157824	4418	HOUMA		2	18,737.98	RL NEW LISTING
0143540	4438	HOUMA		2	27,107.87	
0143858	4442	HOUMA		2	27,207.87	
0148969	4478	HOUMA		2	109,119.26	
0144925	4572	HOUMA		2	82,798.14	ELEV/SENT ISO 11/03/06
0146462	**4610**	**HOUMA**	**x**	**2**	**103,094.45**	
0149556	5017	HOUMA		2	16,006.76	ELEV/SENT ISO 11/03/06
0121174	5107	HOUMA		5	163,601.74	
0144085	5375	HOUMA		2	103,430.78	
12493	5431	HOUMA				
0120228	**5463**	**HOUMA**	**x**	**3**	**54,003.29**	**ELEV/SENT ISO 11/03/06**
0001059	5575	HOUMA		3	78,546.98	
0148922	5607	HOUMA		2	119,233.16	
0144064	5773	HOUMA		2	37,101.69	

RL #	#	City	SRL	L	CLAIMS PD	COMMENTS
120183	5861	HOUMA		3	167,983.76	RL NEW LISTING
120702	5873	HOUMA		3	157,056.18	ELEV/SENT ISO 07/01/07
0119018	5903	HOUMA		3	125,847.69	
119643	**5925**	**HOUMA**	**x**	**3**	**238,899.08**	
151988	5941	HOUMA		2	70,506.20	RL NEW LISTING
160278	5955	HOUMA		2	72,453.94	RL NEW LISTING
123007	**5984**	**HOUMA**	**x**	**3**	**156,767.72**	
120268	**6103**	**HOUMA**	**x**	**4**	**176,275.30**	
0148929	6178	HOUMA		2	51,000.00	ELEV/SENT ISO 07/01/07
0146481	**6179**	**HOUMA**	**x**	**2**	**103,653.97**	
0120490	6313	HOUMA		3	72,193.91	ICC/ELEVATION-CLOSED 06/30/07
152877	6321	HOUMA		2	29,370.00	ELEV/SENT 1SO 07/01/07
154929	6326	HOUMA		2	35,036.01	RL NEW LISTING
0120248	6345	HOUMA		3	42,719.23	ELEV/SENT ISO 11/03/06
161002	6433	HOUMA		2	63,615.34	RL NEW LISTING
0148255	6448	HOUMA		2	36,877.08	
163545	6461	HOUMA		2	117,048.49	RL NEW LISTING
0060756	**6478**	**HOUMA**	**x**	**4**	**67,787.24**	**NEW TO SEVERE LIST**
0148245	6615	HOUMA		2	66,676.63	ELEV/SENT ISO 11/03/06
160409	6927	HOUMA		2	107,522.05	ELEV/SENT ISO 11/03/06
60591	**6953**	**HOUMA**	**x**	**3**	**94,688.93**	**ICC/OTHERMITIGATION-CLOSED 06/30/07**
0012531	**6967**	**HOUMA**	**x**	**5**	**126,674.60**	**NEW TO SEVERE LIST**
161126	7431	HOUMA		2	38,555.31	ICC/ELEVATION-CLOSED 06/30/07
0094027	7438	HOUMA		4	72,392.72	ICC/ELEVATION-CLOSED 06/30/07
0097786	621-23	HOUMA		6	62,937.05	
0119288	6009	HOUMA		2	20,000.00	
10240	228	HOUMA		2	5,971.37	RL NEW LISTING
0060575	**300**	**HOUMA**	**x**	**5**	**86,001.04**	
0060576	**301**	**HOUMA**	**x**	**5**	**85,386.24**	**ICC/ELEVATION-CLOSED 06/30/07**
164448	303	HOUMA		2	44,621.57	RL NEW LISTING
0093840	**305**	**HOUMA**	**x**	**4**	**81,383.88**	**NEW TO SEVERE LIST**
0093832	**306**	**HOUMA**	**x**	**4**	**132,476.28**	**ELEV/SENT ISO 11/03/06**
0093870	308	HOUMA		4	43,503.48	ELEV/SENT ISO 11/03/06
0093815	**309**	**HOUMA**	**x**	**4**	**78,902.21**	**ELEV/SENT ISO 11/03/06**
0097127	**310**	**HOUMA**	**x**	**3**	**41,705.54**	**NEW TO SEVERE LIST**
0108046	607	HOUMA		3	12,504.51	

RL #	#	City	SRL	L	CLAIMS PD	COMMENTS
0119863	303	HOUMA		2	22,110.70	
0123008	**1469**	**HOUMA**	**x**	**4**	**118,578.55**	**NEW TO SEVERE LIST**
0060598	**4852**	**HOUMA**	**x**	**4**	**42,321.07**	**VACANT LOT/VALIDATION**
0007833	6527	HOUMA		3	23,495.74	
0070609	413	HOUMA		3	38,474.09	
162204	429	HOUMA		2	14,633.75	RL NEW LISTING
121518	103	HOUMA		3	218,354.32	CITY/COUNTY?
157367	109	HOUMA		2	767,385.20	RL NEW LISTING
0055407	**112**	**HOUMA**	**x**	**4**	**155,457.41**	**CITY/COUNTY?**
0006238	**909**	**HOUMA**	**x**	**5**	**49,683.23**	**NEW TO SEVERE LIST**
0012439	921	HOUMA		2	13,566.08	
0120415	1412	HOUMA		2	29,283.29	
0144015		HOUMA		2	34,026.19	
0091574	200	HOUMA		3	8,296.87	need boat to inspect
0007956	507	HOUMA		4	12,898.74	
0006985	508	HOUMA		5	27,306.56	
152230	3435	HOUMA		2	165,510.11	RL NEW LISTING
0148287	9621	HOUMA		2	15,070.10	
0123013	311	HOUMA		2	47,554.31	
0091988	500	HOUMA		2	16,676.47	
154927	506	HOUMA		2	116,821.16	RL NEW LISTING
0148339	510	HOUMA		2	34,177.02	
121623	535	HOUMA		2	59,890.68	ELEV/SENT ISO 11/03/06
0070637	341	HOUMA		4	353,642.12	
0148442	507	HOUMA		2	17,327.29	
157782	509	HOUMA		2	40,638.09	RL NEW LISTING
0121520	524	HOUMA		3	179,028.12	
120207	104	HOUMA		3	68,771.37	FROM ORLEANS=CHK ICC?
0093842	106	HOUMA		3	59,331.49	DEMOLISHED/HMGP
0119095	7024	HOUMA		2	68,537.43	ELEV/SENT ISO 11/03/06
0060587	34	HOUMA		2	28,333.34	
0143595	110	HOUMA		2	95,555.48	
0143836	113	HOUMA		2	52,490.61	ELEV/SENT ISO O7/01/07
123004	120	HOUMA		3	119,488.03	ICC/ELEVATION-CLOSED 06/30/07
0119888	310	HOUMA		3	34,454.64	
0123462	**8040**	**HOUMA**	**x**	**3**	**37,768.21**	

RL #	#	City	SRL	L	CLAIMS PD	COMMENTS
159048	312	HOUMA		2	41,431.00	RL NEW LISTING
159049	314	HOUMA		2	35,473.34	RL NEW LISTING
0091788	215	HOUMA		4	99,270.93	
0130721	2023	HOUMA		2	27,501.07	ELEV/SENT ISO 11/03/06
0119006		**HOUMA**	**x**	**3**	**55,449.26**	
0149558	3214	HOUMA		2	137,662.60	
0144540	3306	HOUMA		2	7,064.46	
0012571	130	HOUMA		2	6,209.19	
0148220	5260	HOUMA		2	102,837.32	
0146464	5914	HOUMA		2	87,450.63	
123010	**6036**	**HOUMA**	**x**	**3**	**177,397.65**	**ICC/ELEVATION-CLOSED 06/30/07**
0146819	6092	HOUMA		2	51,224.89	
0060608	6317	HOUMA		2	36,215.77	
0001707	6417	HOUMA		3	59,666.11	ELEV/SENT ISO 07/01/07
148258	6446	HOUMA		2	38,218.68	RL NEW LISTING
0148258	6468	HOUMA		2	38,218.68	
0149557	6471	HOUMA		2	84,978.38	
0108074	425	HOUMA		3	117,506.19	
0007006	1004	HOUMA		5	33,957.93	
12543	1031	HOUMA		3	11,042.65	RL NEW LISTING
0071369	1054	HOUMA		3	46,331.36	
0119597	138	HOUMA		2	7,352.31	
0012246	601	HOUMA		4	62,654.27	
0012489	602	HOUMA		4	69,774.74	
0012347	604	HOUMA		3	49,628.62	
0119081	511	HOUMA		2	10,349.95	
0061310	200	HOUMA		2	15,060.05	DEMOLISHED/UNKNOWN
0149554	3311	HOUMA		2	51,342.88	
163107	3406	HOUMA		2	75,200.79	RL NEW LISTING
0092162	**504**	**HOUMA**	**x**	**6**	**125,660.68**	
159046	506	HOUMA		2	189,120.58	RL NEW LISTING
164100	510	HOUMA		2	138,284.32	RL NEW LISTING
0148407	511	HOUMA		2	49,540.34	
91564	514	HOUMA		4	52,266.38	RL NEW LISTING
154925	515	HOUMA		2	82,479.24	RL NEW LISTING
153234	503	HOUMA		2	78,194.92	RL NEW LISTING

RL #	#	City	SRL	L	CLAIMS PD	COMMENTS
0120263	510	HOUMA		3	201,077.99	
0119639	511	HOUMA		3	121,875.80	
163593	512	HOUMA		2	12,716.01	RL NEW LISTING
153267	521	HOUMA		2	66,749.89	RL NEW LISTING
0148382	522	HOUMA		2	38,175.36	
0112222	601	HOUMA		4	145,416.79	
154926	605	HOUMA		2	93,535.56	RL NEW LISTING
151990	608	HOUMA		2	99,600.00	RL NEW LISTING
0143989	610	HOUMA		2	81,021.41	
158685	6 MIAFTE	HOUMA		2	29,030.11	RL NEW LISTING
1769	END OOF	HOUMA		2	53,468.83	RL NEW LISTING
162073	LSSFT DI	HOUMA		2	30,934.13	RL NEW LISTING
0062125	105	MONTEGUT		4	28,668.74	
152246	**107**	**MONTEGUT**	**x**	**2**	**79,380.66**	**ICC/ELEVATION-CLOSED 06/30/07**
0062127	108	MONTEGUT		4	72,566.66	
0062130	118	MONTEGUT		4	61,673.43	
0143863		**MONTEGUT**	**x**	**2**	**53,696.29**	
162079	103	MONTEGUT		2	17,594.69	RL NEW LISTING
153202	104	MONTEGUT		2	72,639.17	RL NEW LISTING
0001337	**106**	**MONTEGUT**	**x**	**4**	**100,557.54**	**NEW TO SEVERE LIST**
161853	109	MONTEGUT		2	58,244.11	RL NEW LISTING
0001358	116	MONTEGUT		2	40,937.70	
0143816	119	MONTEGUT		2	49,524.07	
0062129	**120**	**MONTEGUT**	**x**	**4**	**152,147.13**	
0120196	105	MONTEGUT		3	52,887.34	
0143832	115	MONTEGUT		2	61,252.97	
0148646	108	MONTEGUT		2	72,226.80	
0119260	**107**	**MONTEGUT**	**x**	**3**	**66,794.71**	
121475		MONTEGUT		3	48,333.53	RL NEW LISTING
152620	105	MONTEGUT		2	67,713.16	RL NEW LISTING
0001708	236	MONTEGUT		3	89,067.97	ICC/OTHERMITIGATION-OPEN 06/30/07
0062142	514	MONTEGUT		2	35,681.89	
0123861	1122	MONTEGUT		3	23,620.98	
0062141	1143	MONTEGUT		3	86,811.28	ELEV/BFE/ICC
0119910	**1149**	**MONTEGUT**	**x**	**4**	**40,874.30**	**NEW TO SEVERE LIST**
0021095	132	MONTEGUT		3	53,772.27	ELEV/ABOVE BFE

RL #	#	City	SRL	L	CLAIMS PD	COMMENTS
0148248	306	MONTEGUT		2	114,301.09	BELONGS IN LAFOURCHE
0148189	307	MONTEGUT		2	39,916.72	BELONGS IN LAFOURCHE
0062126	108	MONTEGUT		2	15,509.41	
0022667	125	MONTEGUT		3	80,714.85	ELEV/SENT ISO 11/03/06
0001781	**129**	**MONTEGUT**	**x**	**5**	**53,065.17**	**ELEV/ABOVE BFE**
0120241	102	MONTEGUT		3	29,714.10	
0062133	128	MONTEGUT		3	29,482.17	
21095	132	MONTEGUT		3	53,772.27	ELEV/SENT ISO 11/03/06
0001753	**105**	**MONTEGUT**	**x**	**4**	**126,587.51**	**ICC/ELEVATION-CLOSED 06/30/07**
0148288	108	MONTEGUT		2	176,645.40	
0002825	114	MONTEGUT		4	98,972.44	
152240	127	MONTEGUT		2	17,051.45	RL NEW LISTING
0109261	**926**	**MONTEGUT**	**x**	**6**	**100,217.43**	**NEW TO SEVERE LIST**
156720	1160	MONTEGUT		2	68,596.68	RL NEW LISTING
0003012	1164	MONTEGUT		4	43,025.42	ELEV/BFE/ICC
152243	1189	MONTEGUT		2	46,771.06	RL NEW LISTING
153193	1219	MONTEGUT		2	70,000.00	RL NEW LISTING
0062119	**1229**	**MONTEGUT**	**x**	**4**	**83,821.90**	**NEW TO SEVERE LIST**
163975	1233	MONTEGUT		2	53,704.54	RL NEW LISTING
0119152	1311	MONTEGUT		3	5,901.00	
0003158	**1347**	**MONTEGUT**	**x**	**4**	**61,891.21**	**ELEV/SENT ISO 11/03/06**
156709	1353	MONTEGUT		2	11,452.35	RL NEW LISTING
0123431	1357	MONTEGUT		2	53,154.59	ELEV/SENT ISO 11/03/06
152882	1407	MONTEGUT		2	117,305.56	RL NEW LISTING
160588	1417	MONTEGUT		2	92,053.05	RL NEW LISTING
148468	1423	MONTEGUT		2	132,688.70	RL NEW LISTING
159836	1425	MONTEGUT		2	138,247.13	RL NEW LISTING
0146452	1427	MONTEGUT		2	72,509.49	
0148468	1432	MONTEGUT		2	132,688.70	
3099	1435	MONTEGUT		4	49,090.52	RL NEW LISTING
0123563	1441	MONTEGUT		3	130,749.71	
0151313	1447	MONTEGUT		2	19,174.92	
0148973	1451	MONTEGUT		2	41,619.37	
0144058	1455	MONTEGUT		2	71,822.43	
161854	1457	MONTEGUT		2	9,110.85	RL NEW LISTING
0120181	1463	MONTEGUT		3	135,098.69	

RL #	#	City	SRL	L	CLAIMS PD	COMMENTS
0060603	1637	MONTEGUT		2	23,276.68	
0002405	1659	MONTEGUT		2	34,296.43	
2613	1719	MONTEGUT		2	26,613.87	RL NEW LISTING
99030	**2019**	**MONTEGUT**	**x**	**5**	**112,635.03**	
0002896	**2045**	**MONTEGUT**	**x**	**4**	**108,391.78**	
0062137	2166	MONTEGUT		3	285,819.31	
0148440	1225	MONTEGUT		2	20,363.49	
169220	2338	MONTEGUT		2	116,716.93	RL NEW LISTING
152219	149	MONTEGUT		2		ICC/ELEVATION-CLOSED 06/30/07
156713	214	MONTEGUT		2	15,104.80	RL NEW LISTING
152207	352	MONTEGUT		2	39,106.52	RL NEW LISTING
120699	404	MONTEGUT		3	182,322.12	RL NEW LISTING
159839	530	MONTEGUT		2	763,877.88	RL NEW LISTING
0120224	638	MONTEGUT		3	179,160.15	MITIGATED?/ TYPE? /CERT?
0003299	676	MONTEGUT		4	45,487.30	
0120254	732	MONTEGUT		3	79,629.33	
0148479	822	MONTEGUT		2	9,177.58	
152231	1162	MONTEGUT		2	63,964.27	ICC/ELEVATION-CLOSED 06/30/07
0148743	1194	MONTEGUT		2	10,567.73	
0001517	1435	MONTEGUT		2	22,534.07	
0148488	1479	MONTEGUT		2	68,222.66	ICC/ELEVATION-CLOSED 06/30/07
0151314	**1566**	**MONTEGUT**	**x**	**2**	**83,495.82**	**ICC/ELEVATION-OPEN 06/30/07**
119161	1576	MONTEGUT		3	127,771.30	RL NEW LISTING
0120255	**1588**	**MONTEGUT**	**x**	**3**	**157,237.44**	
0054719	1626	MONTEGUT		4	69,201.73	
121604	1634	MONTEGUT		3	84,754.67	ICC/ELEVATION-OPEN 06/30/07
156712	1650	MONTEGUT		2	23,093.94	RL NEW LISTING
159838	1685	MONTEGUT		2	65,919.41	RL NEW LISTING
0148484	2190	MONTEGUT		2	30,461.63	
120573	2198	MONTEGUT		3	154,262.31	RL NEW LISTING
156714	2228	MONTEGUT		2	91,892.48	ICC/ELEVATION-OPEN 06/30/07
154459	2344	MONTEGUT		2	127,106.06	ELEV/SENT ISO 11/03/06
0148167	2398	MONTEGUT		2	82,553.76	ELEV/SENT ISO 11/03/06
161102	2522	MONTEGUT		2	12,151.18	RL NEW LISTING
0124317	2538	MONTEGUT		2	20,900.00	
0124527	2546	MONTEGUT		3	45,329.55	ELEV/SENT ISO 11/03/06

RL #	#	City	SRL	L	CLAIMS PD	COMMENTS
0144091	2554	MONTEGUT		2	20,428.93	
0123556	3494	MONTEGUT		2	72,107.86	
0149272	3626	MONTEGUT		2	30,800.00	
0149273	3706	MONTEGUT		2	27,348.95	
158745	3768	MONTEGUT		2	28,371.00	RL NEW LISTING
164307	3861	MONTEGUT		2	70,050.53	RL NEW LISTING
0124067	3880	MONTEGUT		2	25,780.07	
123564	3912	MONTEGUT		2	39,328.31	ELEV/ABOVE BFE
0124448	3928	MONTEGUT		3	88,237.84	
143863	**4186**	**MONTEGUT**	**x**	**2**	**53,696.29**	**NEW TO SEVERE LIST**
0149394	4266	MONTEGUT		2	183,391.14	
0123886	1081	MONTEGUT		2	7,799.23	BELONGS IN LAFOURCHE
0149220	1379	MONTEGUT		2	45,345.19	BELONGS IN LAFOURCHE
0149393	1499	MONTEGUT		2	56,521.24	BELONGS IN LAFOURCHE
0123548	1553	MONTEGUT		3	30,201.38	BELONGS IN LAFOURCHE
0146451	1645	MONTEGUT		2	221,816.94	BELONGS IN LAFOURCHE
0001333	2307	MONTEGUT		3	109,496.98	BELONGS IN LAFOURCHE
0148471	**2375**	**MONTEGUT**	**x**	**2**	**107,054.27**	BELONGS IN LAFOURCHE
0121595	2391	MONTEGUT		3	53,675.79	
0001706	306	MONTEGUT		2	18,798.00	ELEV/BFE/ICC
0134453	320	MONTEGUT		3	53,995.74	
124063	322	MONTEGUT		3	139,658.15	DEMO/SENT ISO 11/03/06
0089857	**328**	**MONTEGUT**	**x**	**6**	**63,536.89**	
0120915	**331**	**MONTEGUT**	**x**	**4**	**63,344.93**	**NEW TO SEVERE LIST**
0001699	333	MONTEGUT		5	64,758.06	
0149270	343	MONTEGUT		2	24,586.72	
0117054	353	MONTEGUT		3	8,889.50	
0003723	383	MONTEGUT		5	25,334.66	NEED ELEVATION CERTIFICATE
0001353	**391**	**MONTEGUT**	**x**	**4**	**98,897.77**	
0124034	401	MONTEGUT		3	43,917.12	ELEV/SENT ISO 07/01/07
0001700	**415**	**MONTEGUT**	**x**	**5**	**67,335.77**	**ELEV/SENT ISO 11/03/06**
0099124	**421**	**MONTEGUT**	**x**	**10**	**94,334.24**	**ELEV/SENT ISO 11/03/06**
125003	439	MONTEGUT		3	66,743.70	RL NEW LISTING
0121836	456	MONTEGUT		3	41,960.29	ELEV/SENT ISO 11/03/06
124528	467	MONTEGUT		4	25,685.62	RL NEW LISTING
0119496	**484**	**MONTEGUT**	**x**	**3**	**76,033.34**	

RL #	#	City	SRL	L	CLAIMS PD	COMMENTS
0003342	489	MONTEGUT		4	39,546.60	
0003422	545	MONTEGUT		2	34,422.37	
0149216	598	MONTEGUT		2	49,110.49	
0062115	**600**	**MONTEGUT**	**x**	**3**	**43,535.56**	**ELEV/SENT ISO 11/03/06**
0124049	596	MONTEGUT		3	32,452.87	ICC/ELEVATION-OPEN 06/30/07
0111936	**104**	**MONTEGUT**	**x**	**4**	**142,800.89**	**ELEV/SENT ISO 11/03/06**
156708	105	MONTEGUT		2	118,292.96	RL NEW LISTING
152260	111	MONTEGUT		2	96,576.03	RL NEW LISTING
0003165	113	MONTEGUT		2	9,325.10	ELEV/SENT ISO 11/03/06
0120570	103	MONTEGUT		3	50,889.49	
152257	105	MONTEGUT		2	109,700.00	RL NEW LISTING
152251	106	MONTEGUT		2	139,448.87	RL NEW LISTING
0001621	**164**	**MONTEGUT**	**x**	**5**	**607,794.76**	**NEW TO SEVERE LIST**
0120402		MONTEGUT		3	45,977.84	
1339	112	MONTEGUT				DEMO/SENT ISO 11/03/06
122324	**114**	**MONTEGUT**	**x**	**3**	**135,459.92**	**FISH CAMP-BOAT ACCESS ONLY**
0001688	126	MONTEGUT		3	67,184.41	ELEV/SENT ISO 11/03/06
119260	**2259**	**MONTEGUT**	**x**	**4**	**115,194.71**	
0054982	**2447**	**MONTEGUT**	**x**	**4**	**68,644.00**	
120917	2516	MONTEGUT		3	30,799.78	RL NEW LISTING
0120459	2520	MONTEGUT		4	31,299.03	
0123561	**2569**	**MONTEGUT**	**x**	**4**	**198,199.10**	
0151315	112	MONTEGUT		2	27,667.95	
152195	115	MONTEGUT		2	26,164.78	RL NEW LISTING
0151316	117	MONTEGUT		2	45,738.44	
0062128	**122**	**MONTEGUT**	**x**	**4**	**120,529.37**	**ELEV/SENT ISO 07/01/07**
0149274	3837	MONTEGUT		2	17,437.82	BELONGS IN LAFOURCHE
0131756	3985	MONTEGUT		2	29,428.98	BELONGS IN LAFOURCHE
0133866	3971	MONTEGUT		2	29,995.34	BELONGS IN LAFOURCHE
0062122	111	MONTEGUT		3	28,155.61	
0149215	106	MONTEGUT		2	70,323.55	
0001362	107	MONTEGUT		3	68,657.44	ELEV/BFE/ICC
0123836	**115**	**MONTEGUT**	**x**	**2**	**68,324.71**	**ELEV/SENT ISO 11/03/06**
0123616	117	MONTEGUT		2	42,267.36	ELEV/SENT ISO 11/03/06
0143627	108	MONTEGUT		2	31,319.15	ELEV/SENT ISO 11/03/06
120919	**111**	**MONTEGUT**	**x**	**3**	**96,258.89**	

RL #	#	City	SRL	L	CLAIMS PD	COMMENTS
0001686	113	MONTEGUT		3	39,399.37	ELEV/SENT ISO 11/03/06
160246	114	MONTEGUT		2	39,642.35	RL NEW LISTING
0001716	**116**	**MONTEGUT**	**x**	**4**	**130,400.00**	**NEW TO SEVERE LIST**
0011836	**119**	**MONTEGUT**	**x**	**4**	**126,900.60**	**NEED ELEVATION CERTIFICATE**
0062131	**120**	**MONTEGUT**	**x**	**3**	**68,380.71**	**NEW TO SEVERE LIST**
0003041	**121**	**MONTEGUT**	**x**	**5**	**51,326.68**	**NEW TO SEVERE LIST**
0001713	124	MONTEGUT		2	22,319.15	
156719	127	MONTEGUT		2	120,711.24	ELEV/SENT ISO O7/01/07
159835	112	MONTEGUT		2	99,200.00	RL NEW LISTING
153733	XXX	MONTEGUT		2	76,704.52	RL NEW LISTING
123119	105	MONTEGUT		3	93,484.72	RL NEW LISTING
1687	**100**	**MONTEGUT**	**x**	**4**	**291,918.66**	**NEW TO SEVERE LIST**
121837	103	MONTEGUT		3	186,332.25	RL NEW LISTING
119837		MONTEGUT		3	121,900.30	RL NEW LISTING
0148291		MONTEGUT		2	7,000.00	BELONGS IN LAFOURCHE
0003375	106	MONTEGUT		3	117,991.57	ELEV/CERT/SENT 11/03/06
0091559	114	MONTEGUT		4	70,511.18	ELEV/ABOVE BFE
0123547	**123**	**MONTEGUT**	**x**	**3**	**115,819.89**	**ELEV/SENT ISO 11/03/06**
0149269	115	MONTEGUT		2	30,800.00	
0124038	212	MONTEGUT		2	9,886.48	
123003	15 MI S O	MONTEGUT		3	104,355.42	RL NEW LISTING
0060819	105	RACELAND		3	54,229.74	
0112108	221	SCHRIEVER		2	30,402.36	
0112143	401	SCHRIEVER		2	18,888.99	
0105700	**527**	**SCHRIEVER**	**x**	**3**	**97,580.85**	
0112106	124	SCHRIEVER		2	11,567.88	
0012047	123	SCHRIEVER		7	530,987.33	DEMOLISHED/HMGP
0005865	124	SCHRIEVER		6	342,425.74	DEMOLISHED/HMGP
0114841	415	SCHRIEVER		2	51,459.47	
0112206	102	SCHRIEVER		2	11,109.25	
0103511	303	SCHRIEVER		3	70,305.94	
0112205	307	SCHRIEVER		2	10,286.61	
0112211	417	SCHRIEVER		2	65,703.44	
0112749	108	SCHRIEVER		2	103,967.57	
0112227	110	SCHRIEVER		2	42,752.05	
0115899	112	SCHRIEVER		2	31,370.48	

RL #	#	City	SRL	L	CLAIMS PD	COMMENTS
0078619	243	SCHRIEVER		4	70,776.63	
0112107	127	SCHRIEVER		2	10,373.39	
0102532	100	SCHRIEVER		3	71,984.96	
0112575	303	SCHRIEVER		2	19,994.30	
0112492	104	SCHRIEVER		2	17,968.98	
0105108	103	SCHRIEVER		2	30,262.34	
163546		TERREBONNE		2	61,979.42	ICC/ELEVATION-OPEN 06/30/07
12118		TERREBONNE		2	23,160.00	RL NEW LISTING
0061450		TERREBONNE		2	60,677.54	
0120236	1509	THERIOT		3	154,776.19	
0150020	1605	THERIOT		2	101,442.64	
0143878	1623	THERIOT		2	44,672.35	
0091556	1665	THERIOT		3	75,242.00	MITIGATED?/ TYPE? /CERT?
0093785	**1681**	**THERIOT**	**x**	**4**	**218,468.96**	
123009	**1771**	**THERIOT**	**x**	**3**	**74,613.60**	
61319	1783	THERIOT		3	107,379.12	RL NEW LISTING
0119939	1787	THERIOT		3	69,172.71	
0123006	1823	THERIOT		3	82,684.64	
0119215	1829	THERIOT		3	52,419.41	
0013668	1917	THERIOT		2	3,773.24	
0061320	2167	THERIOT		3	40,153.33	ELEV/SENT ISO 11/03/06
0000602	**2839**	**THERIOT**	**x**	**3**	**217,000.00**	**ELEV/SENT 0402/07**
152220	2978	THERIOT		2	65,153.08	RL NEW LISTING
0011787	3075	THERIOT		3	56,521.60	
61314	3151	THERIOT				DEMO/SENT ISO 11/03/06
0061314	3153	THERIOT		3	96,349.62	ICC/DEMOLITION-CLOSED 06/30/07
158456	3180	THERIOT		2	247,008.98	RL NEW LISTING
155363	3339	THERIOT		2	31,755.62	RL NEW LISTING
162384		THERIOT		2	71,053.59	ELEVATION/SENT ISO 07/01/07
0061317	**2111**	**THERIOT**	**x**	**4**	**84,984.32**	
152234	2177	THERIOT		2	24,053.64	ELEV/SENT ISO 07/01/07
119208	2229	THERIOT		3	41,019.60	RL NEW LISTING
0061315	109	THERIOT		3	56,321.53	
0146445	1539	THERIOT		2	74,402.77	ICC/ELEVATION-CLOSED 06/30/07
0147378	1578	THERIOT		2	69,346.84	ELEV/SENT/04/02/07
0120192	1611	THERIOT		3	88,598.98	ICC/ELEVATION-CLOSED 06/30/07

RL #	#	City	SRL	L	CLAIMS PD	COMMENTS
0143638	**1629**	**THERIOT**	**x**	**2**	**68,886.48**	
153162	1757	THERIOT		3	92,810.85	ELEV/SENT ISO 11/03/06
134985	1849	THERIOT		3	57,159.43	ICC/ELEVATION-CLOSED 06/30/07
152231	1162	THERIOT				ELEV/SENT ISO 11/03/06
0001823	**152**	**THERIOT**	**x**	**4**	**92,128.32**	
164446	R SECT 2	THERIOT		2	39,738.80	RL NEW LISTING
0117205	421	THIBODAUX		2	7,146.57	DESTROYED/NEED VALIDATION
0120188	114	THIBODAUX		3	42,396.39	need boat to inspect
				1937	73,120,026.92	
					37749.11044	

Attachment c2-30
Worksheet #4—Estimated Losses (Hurricane)

Worksheet 4: Estimated Losses (Hurricane)

Terrebonne Parish

Category	Structure Loss							Contents Loss							Structure Use and Function Loss											Structure Loss+Content Loss+Function Loss ($)
	Name/Description of Structure	Structure Replacement Value ($)	x	Percent Damage (%)	=	Loss to Structure ($)		Replacement of Contents Value ($)	x	Percent Damage (%)	=	Loss to Contents ($)			Average Daily Operating Budget ($)	x	Functional Downtime	+	Displacement Cost Per Day	x	Displacement Time	=	Stucture Use & Function Cost		
Hospitals	Acadian Ambulance Service	$3,115,000	x	32%	=	$984,340		$4,672,500	x	0.0%	=	$0			$274	x	0	+	$274	x	0	=	$0			$984,340
	Cardiovascular Institute of the South	$3,115,000	x	32%	=	$996,800		$4,672,500	x	0.0%	=	$0			$274	x	0	+	$274	x	0	=	$0			$996,800
	Chabert Medical Center	$23,496,037	x	32%	=	$7,518,732		$35,244,056	x	7.5%	=	$2,643,304			$274	x	15	+	$274	x	70	=	$306,880			$10,468,916
	Gulf States LTAC of Houma	$3,115,000	x	32%	=	$996,800		$4,672,500	x	0.0%	=	$0			$274	x	10	+	$274	x	30	=	$90,420			$1,087,220
	Physicians Surgery Specialty Hospital	$3,115,000	x	32%	=	$996,800		$4,672,500	x	0.0%	=	$0			$274	x	0	+	$274	x	0	=	$0			$996,800
	Terrebonne General Medical Center	$320,000,000	x	32%	=	$102,400,000		$480,000,000	x	0.0%	=	$0			$411	x	0	+	$411	x	0	=	$0			$102,400,000
EOC	911-Terrebonne Communications District	$1,950,000	x	32%	=	$624,000		$2,925,000	x	0.0%	=	$0			$82	x	0	+	$82	x	0	=	$0			$624,000
	Office of Emergency Preparedness (OEP)	$1,950,000	x	32%	=	$624,000		$2,925,000	x	0.0%	=	$0			$137	x	10	+	$137	x	30	=	$45,210			$669,210
	Storage Shed	$445,000	x	32%	=	$142,400		$667,500	x	0.0%	=	$0			$55	x	0	+	$55	x	0	=	$0			$142,400
Police Stations	Houma Police Department	$1,246,000	x	32%	=	$398,720		$1,869,000	x	0.0%	=	$0			$274	x	10	+	$274	x	30	=	$90,420			$489,140
	Terrebonne Parish Sheriff's Office	$1,246,000	x	32%	=	$398,720		$1,869,000	x	0.0%	=	$0			$342	x	0	+	$342	x	0	=	$0			$398,720
Fire Stations	Bayou Black VFD--Station 2	$534,000	x	32%	=	$170,880		$801,000	x	0.0%	=	$0			$274	x	0	+	$274	x	0	=	$0			$170,880
	Bayou Black Volunteer Fire Department #9	$534,000	x	32%	=	$170,880		$801,000	x	0.0%	=	$0			$274	x	10	+	$274	x	30	=	$90,420			$261,300
	Bayou Blue Fire Department	$534,000	x	32%	=	$170,880		$801,000	x	0.0%	=	$0			$274	x	0	+	$274	x	0	=	$0			$170,880
	Bayou Blue VFD--Station 2	$534,000	x	32%	=	$170,880		$801,000	x	0.0%	=	$0			$274	x	0	+	$274	x	0	=	$0			$170,880
	Bayou Blue VFD--Station 3	$534,000	x	32%	=	$170,880		$801,000	x	33.0%	=	$264,330			$274	x	30	+	$274	x	230	=	$1,953,620			$2,388,830
	Bayou Cane Fire Protection District	$534,000	x	32%	=	$170,880		$801,000	x	0.0%	=	$0			$274	x	0	+	$274	x	0	=	$0			$170,880
	Bayou Cane VFD--Hollywood Road Station	$534,000	x	32%	=	$170,880		$801,000	x	0.0%	=	$0			$2,648	x	0	+	$2,648	x	0	=	$0			$170,880
	Bayou Cane VFD--Savanne Road Station	$534,000	x	32%	=	$170,880		$801,000	x	0.0%	=	$0			$2,648	x	0	+	$2,648	x	0	=	$0			$170,880
	Bayou Cane VFD--W. Park Avenue Station	$534,000	x	32%	=	$170,880		$801,000	x	0.0%	=	$0			$2,648	x	0	+	$2,648	x	0	=	$0			$170,880
	Bayou Dularge VFD--Station 1	$534,000	x	32%	=	$170,880		$801,000	x	33.0%	=	$264,330			$274	x	30	+	$274	x	230	=	$1,953,620			$2,388,830
	Bayou Dularge VFD--Station 2	$534,000	x	32%	=	$170,880		$801,000	x	0.0%	=	$0			$274	x	12	+	$274	x	46	=	$163,852			$334,732
	Bayou Dularge VFD--Station 4	$534,000	x	32%	=	$170,880		$801,000	x	21.0%	=	$168,210			$274	x	23	+	$274	x	134	=	$881,184			$1,220,274
	Bourg VFD	$534,000	x	32%	=	$170,880		$801,000	x	0.0%	=	$0			$493	x	0	+	$493	x	0	=	$0			$170,880
	Coteau Volunteer Fire Department	$534,000	x	32%	=	$170,880		$801,000	x	0.0%	=	$0			$986	x	0	+	$986	x	0	=	$0			$170,880
	Donner-Chacahoula--Central Station	$534,000	x	32%	=	$170,880		$801,000	x	21.0%	=	$168,210			$274	x	23	+	$274	x	134	=	$881,184			$1,220,274
	Dularge Volunteer Fire Department #10	$534,000	x	32%	=	$170,880		$801,000	x	13.5%	=	$108,135			$274	x	15	+	$274	x	70	=	$306,880			$585,895
	Gibson East VFD--Central Station	$534,000		32%	=	$170,880		$801,000	x	33.0%	=	$264,330			$274	x	30	+	$274	x	230	=	$1,953,620			$2,388,830
	Gibson/Gibson East/Donner-Chaculula	$534,000		32%	=	$170,880		$801,000	x	33.0%	=	$264,330			$274	x	30	+	$274	x	230	=	$1,953,620			$2,388,830
	Grand Caillou Fire Department Fire # 4	$534,000	x	32%	=	$170,880		$801,000	x	21.0%	=	$168,210			$274	x	23	+	$274	x	134	=	$881,184			$1,220,274
	Grand Caillou VFD--Bobtown Station	$534,000	x	32%	=	$170,880		$801,000	x	21.0%	=	$168,210			$274	x	23	+	$274	x	134	=	$881,184			$1,220,274

Category	32						Contents Loss						Structure Use and Function Loss										Structure Loss+Content Loss+Function Loss ($)
	Name/Description of Structure	Structure Replacement Value ($)	x	Percent Damage (%)	=	Loss to Structure ($)	Replacement of Contents Value ($)	x	Percent Damage (%)	=	Loss to Contents ($)	Average Daily Operating Budget ($)	x	Functional Downtime	+	Displacement Cost Per Day	x	Displacement Time	=	Stucture Use & Function Cost	
Fire Stations, Cont.	Grand Caillou VFD--Bobtown Sub Station	$534,000	x	32%	=	$170,880	$801,000	x	33.0%	=	$264,330	$274	x	30	+	$274	x	230	=	$1,953,620	$2,388,830
	Grand Caillou VFD--Dulac Fire Station	$534,000	x	32%	=	$170,880	$801,000	x	33.0%	=	$264,330	$274	x	30	+	$274	x	230	=	$1,953,620	$2,388,830
	Grand Caillou VFD--Dulac Sub Station	$534,000	x	32%	=	$170,880	$801,000	x	33.0%	=	$264,330	$274	x	30	+	$274	x	230	=	$1,953,620	$2,388,830
	Houma FD--Airbase Station 5	$504,005	x	32%	=	$161,282	$756,008	x	0.0%	=	$0	$274	x	0	+	$274	x	0	=	$0	$161,282
	Houma FD--East Houma Station 3	$333,174	x	32%	=	$106,616	$499,761	x	40.5%	=	$202,403	$274	x	30	+	$274	x	365	=	$3,100,310	$3,409,329
	Houma FD--North Houma	$236,794	x	32%	=	$75,774	$355,191	x	0.0%	=	$0	$274	x	0	+	$274	x	0	=	$0	$75,774
	Houma FD--South Houma Station 1	$422,366	x	32%	=	$135,157	$633,549	x	0.0%	=	$0	$274	x	12	+	$274	x	46	=	$163,852	$299,009
	Houma Fire Department	$701,252	x	32%	=	$224,401	$1,051,878	x	0.0%	=	$0	$274	x	0	+	$274	x	0	=	$0	$224,401
	Little Caillou VFD--Lower Station 3	$534,000	x	32%	=	$170,880	$801,000	x	33.0%	=	$264,330	$274	x	30	+	$274	x	230	=	$1,953,620	$2,388,830
	Little Caillou VFD--Upper Station 1	$534,000	x	32%	=	$170,880	$801,000	x	0.0%	=	$0	$274	x	12	+	$274	x	46	=	$163,852	$334,732
	Little Caillou/ Chauvin Fire #7	$534,000	x	32%	=	$170,880	$801,000	x	13.5%	=	$108,135	$274	x	15	+	$274	x	70	=	$306,880	$585,895
	Montegut District # 6	$534,000	x	32%	=	$170,880	$801,000	x	0.0%	=	$0	$1,027	x	12	+	$1,027	x	46	=	$614,146	$785,026
	Montegut--Station 1	$534,000	x	32%	=	$170,880	$801,000	x	0.0%	=	$0	$1,027	x	12	+	$1,027	x	46	=	$614,146	$785,026
	Montegut--Station 2	$534,000	x	32%	=	$170,880	$801,000	x	33.0%	=	$264,330	$1,027	x	30	+	$1,027	x	230	=	$7,322,510	$7,757,720
	Montegut--Station 3	$534,000	x	32%	=	$170,880	$801,000	x	33.0%	=	$264,330	$1,027	x	30	+	$1,027	x	230	=	$7,322,510	$7,757,720
	Montegut--Station 4	$534,000	x	32%	=	$170,880	$801,000	x	0.0%	=	$0	$1,027	x	10	+	$1,027	x	30	=	$338,910	$509,790
	Schriever VFD--Central Schriever Station	$534,000	x	32%	=	$170,880	$801,000	x	0.0%	=	$0	$274	x	0	+	$274	x	0	=	$0	$170,880
	Schriever VFD--Elsworth Station	$534,000	x	32%	=	$170,880	$801,000	x	33.0%	=	$264,330	$274	x	30	+	$274	x	230	=	$1,953,620	$2,388,830
	Schriever VFD--Gray Station	$534,000	x	32%	=	$170,880	$801,000	x	0.0%	=	$0	$274	x	0	+	$274	x	0	=	$0	$170,880
	Schriever Volunteer Fire Dept.	$534,000	x	32%	=	$170,880	$801,000	x	0.0%	=	$0	$274	x	12	+	$274	x	46	=	$163,852	$334,732
	Village East VFD--Central Station	$534,000	x	32%	=	$170,880	$801,000	x	0.0%	=	$0	$274	x	12	+	$274	x	46	=	$163,852	$334,732
	Village East Volunteer Fire Department	$534,000	x	32%	=	$170,880	$801,000	x	0.0%	=	$0	$274	x	10	+	$274	x	30	=	$90,420	$261,300
Schools	Acadian Elementary	$6,880,830		32%	=	$2,201,866	$10,321,245	x	0.0%	=	$0	$274	x	0	+	$274	x	0	=	$0	$2,201,866
	Andrew Price			32%	=	$0	$0	x	0.0%	=	$0	$275	x	0	+	$275	x	0	=	$0	$0
	Annunziata	$474,540		32%	=	$151,853	$711,810	x	0.0%	=	$0	$276	x	0	+	$276	x	0	=	$0	$151,853
	Bayou Black Elementary	$1,632,418		32%	=	$522,374	$2,448,627	x	0.0%	=	$0	$277	x	0	+	$277	x	0	=	$0	$522,374
	Bayou Blue Elementary	$6,899,812		32%	=	$2,207,940	$10,349,718	x	0.0%	=	$0	$278	x	0	+	$278	x	0	=	$0	$2,207,940
	Bayou Cane Adult Ed Center			32%	=	$0	$0	x	0.0%	=	$0	$279	x	0	+	$279	x	0	=	$0	$0
	Boudreaux Canal Elementary	$2,230,338		32%	=	$713,708	$3,345,507	x	45.0%	=	$1,505,478	$280	x	30	+	$280	x	365	=	$3,168,200	$5,387,386
	Bourg Elementary	$3,369,234		32%	=	$1,078,155	$5,053,851	x	0.0%	=	$0	$281	x	12	+	$281	x	46	=	$168,038	$1,246,193
	Broadmoor Elementary	$4,802,345		32%	=	$1,536,750	$7,203,518	x	13.5%	=	$972,475	$282	x	15	+	$282	x	70	=	$315,840	$2,825,065
	Caldwell Middle	$5,229,431		32%	=	$1,673,418	$7,844,147	x	0.0%	=	$0	$283	x	0	+	$283	x	0	=	$0	$1,673,418
	Coteau-Bayou Blue Elementary	$6,169,020		32%	=	$1,974,086	$9,253,530	x	0.0%	=	$0	$284	x	0	+	$284	x	0	=	$0	$1,974,086
	Dularge Elementary	$2,296,774		32%	=	$734,968	$3,445,161	x	21.0%	=	$723,484	$285	x	23	+	$285	x	134	=	$916,560	$2,375,011
	Dularge Middle	$3,986,136		32%	=	$1,275,564	$5,979,204	x	13.5%	=	$807,193	$286	x	15	+	$286	x	70	=	$320,320	$2,403,076
	East Houma Elementary	$3,986,136		32%	=	$1,275,564	$5,979,204	x	0.0%	=	$0	$287	x	10	+	$287	x	30	=	$94,710	$1,370,274
	East Street	$3,986,136		32%	=	$1,275,564	$5,979,204	x	0.0%	=	$0	$288	x	0	+	$288	x	0	=	$0	$1,275,564

Category	Name/Description of Structure	Structure Loss						Contents Loss						Structure Use and Function Loss												Structure Loss+Content Loss+Function Loss ($)
		Structure Replacement Value ($)	x	Percent Damage (%)	=	Loss to Structure ($)		Replacement of Contents Value ($)	x	Percent Damage (%)	=	Loss to Contents ($)		Average Daily Operating Budget ($)	x	Functional Downtime	+	Displacement Cost Per Day	x	Displacement Time	=	Structure Use & Function Cost		
Schools, Cont.	Ellender Memorial High	$10,952,383	x	32%	=	$3,504,763	x	$16,428,575	x	0.0%	=	$0	+	$289	x	0	+	$289	x	0	=	$0	+	$33,504,763
	Evangeline Fields Middle	$4,546,093	x	32%	=	$1,454,750	x	$6,819,140	x	0.0%	=	$0	+	$290	x	12	+	$290	x	46	=	$173,420	+	$1,628,170
	Evergreen Jr. High	$9,528,763	x	32%	=	$3,049,204	x	$14,293,145	x	0.0%	=	$0	+	$291	x	0	+	$291	x	0	=	$0	+	$3,049,204
	Genesis Alternative High	$2,296,774	x	32%	=	$734,968	x	$3,445,161	x	0.0%	=	$0	+	$292	x	0	+	$292	x	0	=	$0	+	$734,968
	Gibson Elementary	$2,116,448	x	32%	=	$677,263	x	$3,174,672	x	0.0%	=	$0	+	$293	x	12	+	$293	x	46	=	$175,214	+	$852,477
	Grand Caillou Elementary	$4,470,167	x	32%	=	$1,430,453	x	$6,705,251	x	40.5%	=	$2,715,626	+	$294	x	30	+	$294	x	365	=	$3,326,610	+	$4,472,690
	Grand Caillou Middle	$5,865,314	x	32%	=	$1,876,900	x	$8,797,971	x	21.0%	=	$1,847,574	+	$295	x	23	+	$295	x	134	=	$948,720	+	$4,673,194
	Greenwood Middle	$1,983,557	x	32%	=	$634,738	x	$2,973,536	x	0.0%	=	$0	+	$296	x	12	+	$296	x	46	=	$177,008	+	$811,746
	H.L. Bourgeois High	$10,781,549	x	32%	=	$3,450,096	x	$16,172,324	x	0.0%	=	$0	+	$297	x	0	+	$297	x	0	=	$0	+	$3,450,096
	Holy Rosary	$3,112,982	x	32%	=	$996,154	x	$4,669,473	x	0.0%	=	$0	+	$298	x	0	+	$298	x	0	=	$0	+	$996,154
	Hondarras Elementary	$3,112,982	x	32%	=	$996,154	x	$4,669,473	x	0.0%	=	$0	+	$299	x	0	+	$299	x	0	=	$0	+	$996,154
	Houma Jr. High	$9,661,634	x	32%	=	$3,091,723	x	$14,492,451	x	0.0%	=	$0	+	$300	x	0	+	$300	x	0	=	$0	+	$3,091,723
	Jane Community Home	$3,119,892	x	32%	=	$998,365	x	$4,679,838	x	0.0%	=	$0	+	$301	x	0	+	$301	x	0	=	$0	+	$998,365
	Lacache Middle	$4,726,418	x	32%	=	$1,512,454	x	$7,089,627	x	33.0%	=	$2,339,577	+	$302	x	30	+	$302	x	230	=	$2,153,260	+	$6,005,291
	Legion Park Middle	$2,173,393	x	32%	=	$695,486	x	$3,260,090	x	0.0%	=	$0	+	$303	x	10	+	$303	x	30	=	$99,990	+	$795,476
	Lisa Park Elementary	$5,827,351	x	32%	=	$1,864,752	x	$8,741,027	x	0.0%	=	$0	+	$304	x	10	+	$304	x	30	=	$100,320	+	$1,965,072
	Little Caillou Elementary	$3,986,136	x	32%	=	$1,275,564	x	$5,979,204	x	43.5%	=	$2,600,954	+	$305	x	30	+	$305	x	365	=	$3,451,075	+	$7,327,592
	Maria Immacolata Elementary	$1,860,197	x	32%	=	$595,263	x	$2,790,296	x	0.0%	=	$0	+	$306	x	0	+	$306	x	0	=	$595,263	+	$1,860,197
	Monteguil Elementary	$2,666,915	x	32%	=	$853,413	x	$4,000,373	x	40.5%	=	$1,620,151	+	$307	x	30	+	$307	x	365	=	$3,473,705	+	$5,947,269
	Monteguil Middle	$6,150,038	x	32%	=	$1,968,012	x	$9,225,057	x	64.5%	=	$5,950,162	+	$308	x	30	+	$308	x	365	=	$3,485,020	+	$11,403,194
	Mulberry Elementary	$5,808,370	x	32%	=	$1,858,678	x	$8,712,555	x	0.0%	=	$0	+	$309	x	0	+	$309	x	0	=	$0	+	$1,858,678
	Oaklawn Jr. High	$6,320,873	x	32%	=	$2,022,679	x	$9,481,310	x	0.0%	=	$0	+	$310	x	0	+	$310	x	0	=	$0	+	$2,022,679
	Oakshire Elementary	$5,950,732	x	32%	=	$1,904,234	x	$8,926,098	x	0.0%	=	$0	+	$311	x	0	+	$311	x	0	=	$0	+	$1,904,234
	Omega Institure of Cosmentiology	$3,986,136	x	32%	=	$1,275,564	x	$5,979,204	x	0.0%	=	$0	+	$312	x	0	+	$312	x	0	=	$0	+	$1,275,564
	Point-aux-Chenes Elementary	$1,471,074	x	32%	=	$470,744	x	$2,206,611	x	33.0%	=	$728,182	+	$313	x	30	+	$313	x	230	=	$2,231,690	+	$3,430,615
	Schriever Elementary	$5,628,044	x	32%	=	$1,800,974	x	$8,442,066	x	0.0%	=	$0	+	$314	x	0	+	$314	x	0	=	$0	+	$1,800,974
	South Louisiana Beauty College	$3,986,136	x	32%	=	$1,275,564	x	$5,979,204	x	0.0%	=	$0	+	$315	x	10	+	$315	x	30	=	$103,950	+	$1,379,514
	South Louisiana Trade School	$3,986,136	x	32%	=	$1,275,564	x	$5,979,204	x	0.0%	=	$0	+	$316	x	0	+	$316	x	0	=	$0	+	$1,275,564
	South Terrebonne High	$11,180,162	x	32%	=	$3,577,652	x	$16,770,243	x	0.0%	=	$0	+	$317	x	0	+	$317	x	0	=	$0	+	$3,577,652
	Southdown Elementary	$5,039,615	x	32%	=	$1,612,677	x	$7,559,423	x	0.0%	=	$0	+	$318	x	0	+	$318	x	0	=	$0	+	$1,612,677
	St. Bernadette	$4,669,474	x	32%	=	$1,494,232	x	$7,004,211	x	0.0%	=	$0	+	$319	x	10	+	$319	x	30	=	$105,270	+	$1,599,502
	St. Francis De Sales	$7,736,002	x	32%	=	$2,475,201	x	$11,602,503	x	0.0%	=	$0	+	$320	x	0	+	$320	x	0	=	$0	+	$2,475,201
	St. Gregory Barbarigo	$2,306,264	x	32%	=	$738,004	x	$3,459,396	x	13.5%	=	$467,018	+	$321	x	15	+	$321	x	70	=	$339,520	+	$1,564,543
	St. Mathew's	$1,565,982	x	32%	=	$501,114	x	$2,348,973	x	0.0%	=	$0	+	$322	x	0	+	$322	x	0	=	$0	+	$501,114
	TARC	$3,986,316	x	32%	=	$1,275,621	x	$5,979,474	x	0.0%	=	$0	+	$323	x	0	+	$323	x	0	=	$0	+	$1,275,621
	Terrebonne High	$9,946,358	x	32%	=	$3,182,835	x	$14,919,537	x	0.0%	=	$0	+	$324	x	0	+	$324	x	0	=	$0	+	$3,182,835
	Terrebonne Voc Rehab	$4,555,584	x	32%	=	$1,457,787	x	$6,833,376	x	0.0%	=	$0	+	$325	x	0	+	$325	x	0	=	$0	+	$1,457,787
	Terrebonne Voc Tech High	$4,555,854	x	32%	=	$1,457,873	x	$6,833,781	x	0.0%	=	$0	+	$326	x	0	+	$326	x	0	=	$0	+	$1,457,873
	Upper Little Caillou Elementary	$4,707,437	x	32%	=	$1,506,380	x	$7,061,156	x	0.0%	=	$0	+	$327	x	10	+	$327	x	30	=	$107,910	+	$1,614,290
	Vandebilt Catholic High	$9,025,751	x	32%	=	$2,888,240	x	$13,538,627	x	0.0%	=	$0	+	$328	x	0	+	$328	x	0	=	$0	+	$2,888,240
	Village East Elementary	$2,799,786	x	32%	=	$895,932	x	$4,199,679	x	0.0%	=	$0	+	$329	x	12	+	$329	x	46	=	$196,742	+	$1,092,674
	West Park Elementary	$3,986,316	x	32%	=	$1,275,621	x	$5,979,474	x	0.0%	=	$0	+	$330	x	0	+	$330	x	0	=	$0	+	$1,275,621
Assisted Living	Bonne Terre Village	$3,115,000	x	32%	=	$996,800	x	$4,672,500.0	x	0.0%	=	$0	+	$274	x	0	+	$274	x	0	=	$996,800		
	Homestead Assisted Living	$3,115,000	x	32%	=	$996,800	x	$4,672,500.0	x	0.0%	=	$0	+	$274	x	10	+	$274	x	30	=	$90,420	+	$1,087,220
	Suites at Sugar Mill Point	$3,115,000	x	32%	=	$996,800	x	$4,672,500.0	x	0.0%	=	$0	+	$274	x	0	+	$274	x	0	=	$0	+	$996,800
	TARC	$3,115,000	x	32%	=	$996,800	x	$4,672,500.0	x	0.0%	=	$0	+	$274	x	0	+	$274	x	0	=	$0	+	$996,800
	Terrebonne House	$3,115,000	x	32%	=	$996,800	x	$4,672,500.0	x	0.0%	=	$0	+	$274	x	0	+	$274	x	0	=	$0	+	$996,800
Child Care	Louis Infant Crisis Center	$445,000	x	32%	=	$142,400	x	$445,000.0	x	0.0%	=	$0	+	$274	x	0	+	$274	x	0	=	$142,400		
	MacDonnell Methodist Children Services	$445,000	x	32%	=	$142,400	x	$445,000.0	x	0.0%	=	$0	+	$274	x	0	+	$274	x	0	=	$142,400		
Civic Center	Houma-Terrebonne Civic Center	$3,520,000	x	32%	=	$1,126,400	x	$3,520,000.0	x	0.0%	=	$0	+	$137	x	0	+	$137	x	0	=	$0		$1,126,400

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	Name/Description of Structure	Structure Replacement Value ($)	x	Percent Damage (%)	=	Loss to Structure ($)		Replacement of Contents Value ($)	x	Percent Damage (%)	=	Loss to Contents ($)			Average Daily Operating Budget ($)	x	Functional Downtime	+	Displacement Cost Per Day	x	Displacement Time	=	Stucture Use & Function Cost			
Home Health	Anoited Care Services LLC	$3,115,000	x	32%	=	$996,800		$4,672,500.0	x	0.0%	=	$0			$274	x	0	+	$274	x	0	=	$0			$996,800
	Bayou Home Care	$3,115,000	x	32%	=	$996,800		$4,672,500.0	x	0.0%	=	$0			$274	x	0	+	$274	x	0	=	$0			$996,800
	Bayou Region Hospice	$3,115,000	x	32%	=	$996,800		$4,672,500.0	x	0.0%	=	$0			$274	x	0	+	$274	x	0	=	$0			$996,800
	Home Health Center of Thibodaux Region	$3,115,000	x	32%	=	$996,800		$4,672,500.0	x	33.0%	=	$1,541,925			$274	x	30	+	$274	x	230	=	$1,953,620			$4,492,345
	Hospice of South Louisiana	$3,115,000	x	32%	=	$996,800		$4,672,500.0	x	0.0%	=	$0			$274	x	0	+	$274	x	0	=	$0			$996,800
	Journey Hospice	$3,115,000	x	32%	=	$996,800		$4,672,500.0	x	0.0%	=	$0			$274	x	0	+	$274	x	0	=	$0			$996,800
	Lafourche ARC	$3,115,000	x	32%	=	$996,800		$4,672,500.0	x	33.0%	=	$1,541,925			$274	x	30	+	$274	x	230	=	$1,953,620			$4,492,345
	Louisiana Homecare of Houma	$3,115,000	x	32%	=	$996,800		$4,672,500.0	x	0.0%	=	$0			$274	x	10	+	$274	x	30	=	$90,420			$1,087,220
	Metro Preferred Home Care	$3,115,000	x	32%	=	$996,800		$4,672,500.0	x	0.0%	=	$0			$274	x	0	+	$274	x	0	=	$0			$996,800
	Oschner St. Anne General Hospital Home	$3,115,000	x	32%	=	$996,800		$4,672,500.0	x	33.0%	=	$1,541,925			$274	x	30	+	$274	x	230	=	$1,953,620			$4,492,345
	South Louisiana Home Health	$3,115,000	x	32%	=	$996,800		$4,672,500.0	x	0.0%	=	$0			$274	x	0	+	$274	x	0	=	$0			$996,800
	Synergy Home Health Care River Region	$3,115,000	x	32%	=	$996,800		$4,672,500.0	x	0.0%	=	$0			$274	x	0	+	$274	x	0	=	$0			$996,800
	Terrebonne Home Care, Inc	$3,115,000	x	32%	=	$996,800		$4,672,500.0	x	0.0%	=	$0			$274	x	10	+	$274	x	30	=	$90,420			$1,087,220
	The Medical Team	$3,115,000	x	32%	=	$996,800		$4,672,500.0	x	0.0%	=	$0			$274	x	0	+	$274	x	0	=	$0			$996,800
	Total Pharmacy Services	$3,115,000	x	32%	=	$996,800		$4,672,500.0	x	0.0%	=	$0			$274	x	0	+	$274	x	0	=	$0			$996,800
Medical	Cardiovascular Institute of the South	$3,115,000	x	32%	=	$996,800		$4,672,500.0	x	7.5%	=	$350,438			$274	x	15	+	$274	x	70	=	$306,880			$1,654,118
	Terrebonne Mental Health Center	$3,115,000	x	32%	=	$996,800		$4,672,500.0	x	0.0%	=	$0			$274	x	0	+	$274	x	0	=	$0			$996,800
	Terrebonne Parish Health Unit	$3,115,000	x	32%	=	$996,800		$4,672,500.0	x	0.0%	=	$0			$274	x	0	+	$274	x	0	=	$0			$996,800
Nursing Homes	Chateau Terrebonne Health Care	$3,115,000	x	32%	=	$996,800		$4,672,500.0	x	0.0%	=	$0			$274	x	0	+	$274	x	0	=	$0			$996,800
	Heritage Manor of Houma	$3,115,000	x	32%	=	$996,800		$4,672,500.0	x	0.0%	=	$0			$274	x	0	+	$274	x	0	=	$0			$996,800
	Maison De'Ville Nursing Home	$3,115,000		32%		$996,800		$4,672,500.0		0.0%		$0			$274		0		$274		0					$996,800
	The Oaks of Houma	$3,115,000	x	32%	=	$996,800		$4,672,500.0	x	13.5%	=	$630,788			$274	x	15	+	$274	x	70	=	$306,880			$1,934,468
Parish Owned Buildings	Houma Terrebonne Housing Authority (Bayou Towers)	$1,040,000	x	32%	=	$332,800		$1,040,000	x	0.0%	=	$0			$274	x	0	+	$274	x	0	=	$0			$332,800
	Public Works Yard	$1,040,000	x	32%	=	$332,800		$1,040,000	x	0.0%	=	$0			$55	x	0	+	$55	x	0	=	$0			$332,800
	Pump Stations (Various Locations)	$52,000	x	32%	=	$16,640		$52,000	x	0.0%	=	$0			$41	x	0	+	$41	x	0	=	$0			$16,640
Sewage	North Sewage Treatment Plant	$59,274,000	x	32%	=	$18,967,680		$59,274,000	x	21.0%	=	$12,447,540			$55	x	23	+	$55	x	134	=	$176,880			$31,592,100
	South Sewage Treatment Plant	$59,274,000	x	32%	=	$18,967,680		$59,274,000	x	33.0%	=	$19,560,420			$55	x	30	+	$55	x	230	=	$392,150			$38,920,250
Water	Andrew Price Regulator	$690,000	x	32%	=	$220,800		$690,000	x	0.0%	=	$0			$55	x	0	+	$55	x	0	=	$0			$220,800
	Bac-t Lab	$690,000	x	32%	=	$220,800		$690,000	x	0.0%	=	$0			$55	x	0	+	$55	x	0	=	$0			$220,800
	Bayou Black RW Pump Station	$690,000	x	32%	=	$220,800		$690,000	x	0.0%	=	$0			$55	x	0	+	$55	x	0	=	$0			$220,800
	Bayou Black Tank	$690,000	x	32%	=	$220,800		$690,000	x	0.0%	=	$0			$55	x	0	+	$55	x	0	=	$0			$220,800
	Bayou Dularge Tank	$690,000	x	32%	=	$220,800		$690,000	x	33.0%	=	$227,700			$55	x	30	+	$55	x	230	=	$392,150			$840,650
	Benoit Pump Station	$690,000	x	32%	=	$220,800		$690,000	x	33.0%	=	$227,700			$55	x	30	+	$55	x	230	=	$392,150			$840,650
	Boudreaux Canal Pump Station	$690,000		32%	=	$220,800		$690,000	x	33.0%	=	$227,700			$55	x	30	+	$55	x	230	=	$392,150			$840,650
	Chauvin Tank	$690,000		32%	=	$220,800		$690,000	x	40.5%	=	$279,450			$55	x	30	+	$55	x	365	=	$622,325			$1,122,575
	Cocodrie Tank	$690,000		32%	=	$220,800		$690,000	x	13.5%	=	$93,150			$55	x	15	+	$55	x	70	=	$61,600			$375,550
	Dulac Pump Station	$690,000		32%	=	$220,800		$690,000	x	13.5%	=	$93,150			$55	x	15	+	$55	x	70	=	$61,600			$375,550

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	Name/Description of Structure	Structure Replacement Value ($)	x	Percent Damage (%)	=	Loss to Structure ($)		Replacement of Contents Value ($)	x	Percent Damage (%)	=	Loss to Contents ($)		Average Daily Operating Budget ($)	x	Functional Downtime	+	Displacement Cost Per Day	x	Displacement Time	=	Stucture Use & Function Cost			
Water, Cont.	Dulac Tank	$690,000		32%	=	$220,800		$690,000	x	13.5%	=	$93,150		$55	x	15	+	$55	x	70	=	$61,600				$375,550
	Dumas Tank	$690,000		32%	=	$220,800		$690,000	x	0.0%	=	$0		$55	x	12	+	$55	x	46	=	$32,890				$253,690
	Elliot Jones	$690,000		32%	=	$220,800		$690,000	x	33.0%	=	$227,700		$55	x	30	+	$55	x	230	=	$392,150				$840,650
	Gibson Tank	$690,000		32%	=	$220,800		$690,000	x	0.0%	=	$0		$55	x	12	+	$55	x	46	=	$32,890				$253,690
	Grand Caillou Tank	$690,000		32%	=	$220,800		$690,000	x	33.0%	=	$227,700		$55	x	30	+	$55	x	230	=	$392,150				$840,650
	Hanson SG	$690,000		32%	=	$220,800		$690,000	x	33.0%	=	$227,700		$55	x	30	+	$55	x	230	=	$392,150				$840,650
	Houma GS 1	$690,000		32%	=	$220,800		$690,000	x	0.0%	=	$0		$55	x	0	+	$55	x	0	=	$0				$220,800
	Houma GS 2	$690,000		32%	=	$220,800		$690,000	x	0.0%	=	$0		$55	x	10	+	$55	x	30	=	$18,150				$238,950
	Houma GS3	$690,000	x	32%	=	$220,800		$690,000	x	0.0%	=	$0		$55	x	0	+	$55	x	0	=	$0				$220,800
	Houma Plant 3	$690,000	x	32%	=	$220,800		$690,000	x	0.0%	=	$0		$55	x	0	+	$55	x	0	=	$0				$220,800
	Houma Plant High Service	$690,000	x	32%	=	$220,800		$690,000	x	0.0%	=	$0		$55	x	0	+	$55	x	0	=	$0				$220,800
	Houma Water Plant	$690,000	x	32%	=	$220,800		$690,000	x	0.0%	=	$0		$55	x	0	+	$55	x	0	=	$0				$220,800
	Intracoastal RW Pump Station	$690,000	x	32%	=	$220,800		$690,000	x	0.0%	=	$0		$55	x	0	+	$55	x	0	=	$0				$220,800
	Klondyke Tank	$690,000	x	32%	=	$220,800		$690,000	x	0.0%	=	$0		$55	x	0	+	$55	x	0	=	$0				$220,800
	Lafort Canal RW PS	$690,000	x	32%	=	$220,800		$690,000	x	33.0%	=	$227,700		$55	x	30	+	$55	x	230	=	$392,150				$840,650
	Legion Building	$690,000	x	32%	=	$220,800		$690,000	x	0.0%	=	$0		$55	x	10	+	$55	x	30	=	$18,150				$238,950
	Lower Dulac Tank	$690,000		32%				$690,000		33.0%				$55		30		$55		230						
	Main Office	$690,000		32%				$690,000		0.0%				$55		0		$55		0						
	Minors SG	$690,000		32%				$690,000		33.0%				$55		30		$55		230						
	Montegut Tank	$690,000	x	32%	=	$220,800		$690,000	x	40.5%	=	$279,450		$55	x	30	+	$55	x	365	=	$622,325				$1,122,575
	Munson PS	$690,000	x	32%	=	$220,800		$690,000	x	0.0%	=	$0		$55	x	0	+	$55	x	0	=	$0				$220,800
	North Terrebonne Standpipe	$690,000		32%	=	$220,800		$690,000	x	0.0%	=	$0		$55	x	0	+	$55	x	0	=	$0				$220,800
	Pointe-Aux-Chenes Pump Station	$690,000		32%	=	$220,800		$690,000	x	13.5%	=	$93,150		$55	x	15	+	$55	x	70	=	$61,600				$375,550
	Pointe-Aux-Chenes Tank	$690,000		32%	=	$220,800		$690,000	x	33.0%	=	$227,700		$55	x	30	+	$55	x	230	=	$392,150				$840,650
	Presque Isle PS	$690,000		32%	=	$220,800		$690,000	x	0.0%	=	$0		$55	x	0	+	$55	x	0	=	$0				$220,800
	Robinson Canal Pump Station	$690,000	x	32%	=	$220,800		$690,000	x	33.0%	=	$227,700		$55	x	30	+	$55	x	230	=	$392,150				$840,650
	Robinson Canal Tank	$690,000		32%	=	$220,800		$690,000	x	33.0%	=	$227,700		$55	x	30	+	$55	x	230	=	$392,150				$840,650
	Schriever GS1	$690,000		32%	=	$220,800		$690,000	x	33.0%	=	$227,700		$55	x	30	+	$55	x	230	=	$392,150				$840,650
	Schriever GS2	$690,000		32%	=	$220,800		$690,000	x	0.0%	=	$0		$55	x	0	+	$55	x	0	=	$0				$220,800
	Schriever Plant	$690,000		32%	=	$220,800		$690,000	x	33.0%	=	$227,700		$55	x	30	+	$55	x	230	=	$392,150				$840,650
	Schriever Tank	$690,000		32%	=	$220,800		$690,000	x	0.0%	=	$0		$55	x	0	+	$55	x	0	=	$0				$220,800
	Schriever Water Plant	$690,000		32%	=	$220,800		$690,000	x	0.0%	=	$0		$55	x	0	+	$55	x	0	=	$0				$220,800
	Shell PS	$690,000		32%	=	$220,800		$690,000	x	13.5%	=	$93,150		$55	x	15	+	$55	x	70	=	$61,600				$375,550
	Sludge Press Building	$690,000		32%	=	$220,800		$690,000	x	33.0%	=	$227,700		$55	x	30	+	$55	x	230	=	$392,150				$840,650
	South Terrebonne PS	$690,000		32%	=	$220,800		$690,000	x	0.0%	=	$0		$55	x	0	+	$55	x	0	=	$0				$220,800
	South Terrebonne Standpipe	$690,000		32%	=	$220,800		$690,000	x	0.0%	=	$0		$55	x	0	+	$55	x	0	=	$0				$220,800
	Texaco Master Meter	$690,000		32%	=	$220,800		$690,000	x	40.5%	=	$279,450		$55	x	30	+	$55	x	365	=	$622,325				$1,122,575
	Theriot Tank	$690,000		32%	=	$220,800		$690,000	x	21.0%	=	$144,900		$55	x	23	+	$55	x	134	=	$176,880				$542,580
	Waterproof RW PS	$690,000	x	32%	=	$220,800		$690,000	x	33.0%	=	$227,700		$55	x	30	+	$55	x	230	=	$392,150				$840,650
	West Gibson Tank	$690,000	x	32%	=	$220,800		$690,000	x	13.5%	=	$93,150		$55	x	15	+	$55	x	70	=	$61,600				$375,550
	Williams Street PS	$690,000	x	32%	=	$220,800		$690,000	x	21.0%	=	$144,900		$55	x	23	+	$55	x	134	=	$176,880				$542,580
	Blimp Base PS	$690,000	x	32%	=	$220,800		$690,000	x	0.0%	=	$0		$55	x	0	+	$55	x	0	=	$0				$220,800
	Total Structure Value	**$893,903,166**		**Total Estimated Losses**		**$285,374,153**				**Total Contents Loss**		**$1,331,779,898**						**Total Structure Use and Function Loss**				**$83,717,155**				**$1,700,871,206**

Attachment c2-30
Worksheet 4: Estimated Losses (Composite Risk Area)
Terrebonne Parish

Category	Structure Loss							Contents Loss					Structure Use and Function Loss							Structure Loss+Content Loss+Function Loss ($)
	Name/Description of Structure	Structure Replacement Value ($)	x	# Floors	Inundation (ft)	Percent Damage (%)	=	Loss to Structure ($)	Replacement of Contents Value ($)	x	Percent Damage (%)	=	Loss to Contents ($)	Average Daily Operating Budget ($)	x	Functional Downtime	+	Displacement Cost Per Day	x	Displacement Time	=	Stucture Use & Function Cost	
Hospitals	Acadian Ambulance Service	$3,115,000	x	1	-5	0%	=	$0	$4,672,500	x	0.0%	=	$0	$274	x	0	+	$274	x	0	=	$0	$0
	Cardiovascular Institute of the South	$3,115,000	x	2	-4	0%	=	$0	$4,672,500	x	0.0%	=	$0	$274	x	0	+	$274	x	0	=	$0	$0
	Chabert Medical Center	$23,496,037	x	2	0	5%	=	$1,174,802	$35,244,056	x	7.5%	=	$2,643,304	$274	x	15	+	$274	x	70	=	$306,880	$4,124,986
	Gulf States LTAC of Houma	$3,115,000	x	2	-2	0%	=	$0	$4,672,500	x	0.0%	=	$0	$274	x	10	+	$274	x	30	=	$90,420	$90,420
	Physicians Surgery Specialty Hospital	$3,115,000	x	1	-4	0%	=	$0	$4,672,500	x	0.0%	=	$0	$274	x	0	+	$274	x	0	=	$0	$0
	Terrebonne General Medical Center	$320,000,000	x	2	-5	0%	=	$0	$480,000,000	x	0.0%	=	$0	$411	x	0	+	$411	x	0	=	$0	$0
EOC	911-Terrebonne Communications District	$1,950,000	x	1	-5	0%	=	$0	$2,925,000	x	0.0%	=	$0	$82	x	0	+	$82	x	0	=	$0	$0
	Office of Emergency Preparedness (OEP)	$1,950,000	x	1	-2	0%	=	$0	$2,925,000	x	0.0%	=	$0	$137	x	10	+	$137	x	30	=	$45,210	$45,210
	Storage Shed	$445,000	x	1	-7	0%	=	$0	$667,500	x	0.0%	=	$0	$55	x	0	+	$55	x	0	=	$0	$0
Police Stations	Houma Police Department	$1,246,000	x	1	-2	0%	=	$0	$1,869,000	x	0.0%	=	$0	$274	x	10	+	$274	x	30	=	$90,420	$90,420
	Terrebonne Parish Sheriff's Office	$1,246,000	x	1	-5	0%	=	$0	$1,869,000	x	0.0%	=	$0	$342	x	0	+	$342	x	0	=	$0	$0
Fire Stations	Bayou Black VFD--Station 2	$534,000	x	1	-4	0%	=	$0	$801,000	x	0.0%	=	$0	$274	x	0	+	$274	x	0	=	$0	$0
	Bayou Black Volunteer Fire Department #9	$534,000	x	1	-2	0%	=	$0	$801,000	x	0.0%	=	$0	$274	x	10	+	$274	x	30	=	$90,420	$90,420
	Bayou Blue Fire Department	$534,000	x	1	-7	0%	=	$0	$801,000	x	0.0%	=	$0	$274	x	0	+	$274	x	0	=	$0	$0
	Bayou Blue VFD--Station 2	$534,000	x	1	-3	0%	=	$0	$801,000	x	0.0%	=	$0	$274	x	0	+	$274	x	0	=	$0	$0
	Bayou Blue VFD--Station 3	$534,000	x	1	2	22%	=	$117,480	$801,000	x	33.0%	=	$264,330	$274	x	30	+	$274	x	230	=	$1,953,620	$2,335,430
	Bayou Cane Fire Protection District	$534,000	x	1	-4	0%	=	$0	$801,000	x	0.0%	=	$0	$274	x	0	+	$274	x	0	=	$0	$0
	Bayou Cane VFD--Hollywood Road Station	$534,000	x	1	-6	0%	=	$0	$801,000	x	0.0%	=	$0	$2,648	x	0	+	$2,648	x	0	=	$0	$0
	Bayou Cane VFD--Savanne Road Station	$534,000	x	1	-6	0%	=	$0	$801,000	x	0.0%	=	$0	$2,648	x	0	+	$2,648	x	0	=	$0	$0
	Bayou Cane VFD--W. Park Avenue Station	$534,000	x	1	-3	0%	=	$0	$801,000	x	0.0%	=	$0	$2,648	x	0	+	$2,648	x	0	=	$0	$0
	Bayou Dularge VFD--Station 1	$534,000	x	1	2	22%	=	$117,480	$801,000	x	33.0%	=	$264,330	$274	x	30	+	$274	x	230	=	$1,953,620	$2,335,430
	Bayou Dularge VFD--Station 2	$534,000	x	1	-1	0%	=	$0	$801,000	x	0.0%	=	$0	$274	x	12	+	$274	x	46	=	$163,852	$163,852
	Bayou Dularge VFD--Station 4	$534,000	x	1	1	14%	=	$74,760	$801,000	x	21.0%	=	$168,210	$274	x	23	+	$274	x	134	=	$881,184	$1,124,154
	Bourg VFD	$534,000	x	1	-3	0%	=	$0	$801,000	x	0.0%	=	$0	$493	x	0	+	$493	x	0	=	$0	$0
	Coteau Volunteer Fire Department	$534,000	x	1	-3	0%	=	$0	$801,000	x	0.0%	=	$0	$986	x	0	+	$986	x	0	=	$0	$0
	Donner-Chacahoula--Central Station	$534,000	x	1	1	14%	=	$74,760	$801,000	x	21.0%	=	$168,210	$274	x	23	+	$274	x	134	=	$881,184	$1,124,154
	Dularge Volunteer Fire Department #10	$534,000	x	1	0	9%	=	$48,060	$801,000	x	13.5%	=	$108,135	$274	x	15	+	$274	x	70	=	$306,880	$463,075
	Gibson East VFD--Central Station	$534,000		1	2	22%	=	$117,480	$801,000	x	33.0%	=	$264,330	$274	x	30	+	$274	x	230	=	$1,953,620	$2,335,430
	Gibson/Gibson East/Donner-Chaculula	$534,000		1	2	22%	=	$117,480	$801,000	x	33.0%	=	$264,330	$274	x	30	+	$274	x	230	=	$1,953,620	$2,335,430
	Grand Caillou Fire Department Fire # 4	$534,000	x	1	1	14%	=	$74,760	$801,000	x	21.0%	=	$168,210	$274	x	23	+	$274	x	134	=	$881,184	$1,124,154
	Grand Caillou VFD--Bobtown Station	$534,000	x	1	1	14%	=	$74,760	$801,000	x	21.0%	=	$168,210	$274	x	23	+	$274	x	134	=	$881,184	$1,124,154

Attachment c2-31
Worksheet #4—Estimated Losses (Composite Risk Area)

Category	Structure Loss							Contents Loss					Structure Use and Function Loss								Structure Loss+Content Loss+Function Loss ($)
	Name/Description of Structure	Structure Replacement Value ($)	x	# Floors	Inundation (ft)	Percent Damage (%)	=	Loss to Structure ($)	Replacement of Contents Value ($)	x	Percent Damage (%)	=	Loss to Contents ($)	Average Daily Operating Budget ($)	x	Functional Downtime	+	Displacement Cost Per Day	x	Displacement Time	=	Stucture Use & Function Cost	
Fire Stations, Cont.	Grand Caillou VFD--Bobtown Sub Station	$534,000	x	1	2	22%	=	$117,480	$801,000	x	33.0%	=	$264,330	$274	x	30	+	$274	x	230	=	$1,953,620	$2,335,430
	Grand Caillou VFD--Dulac Fire Station	$534,000	x	1	2	22%	=	$117,480	$801,000	x	33.0%	=	$264,330	$274	x	30	+	$274	x	230	=	$1,953,620	$2,335,430
	Grand Caillou VFD--Dulac Sub Station	$534,000	x	1	2	22%	=	$117,480	$801,000	x	33.0%	=	$264,330	$274	x	30	+	$274	x	230	=	$1,953,620	$2,335,430
	Houma FD--Airbase Station 5	$504,005	x	1	-4	0%	=	$0	$756,008	x	0.0%	=	$0	$274	x	0	+	$274	x	0	=	$0	$0
	Houma FD--East Houma Station 3	$333,174	x	1	3	27%	=	$89,957	$499,761	x	40.5%	=	$202,403	$274	x	30	+	$274	x	365	=	$3,100,310	$3,392,670
	Houma FD--North Houma	$236,794	x	1	-3	0%	=	$0	$355,191	x	0.0%	=	$0	$274	x	0	+	$274	x	0	=	$0	$0
	Houma FD--South Houma Station 1	$422,366	x	1	-1	0%	=	$0	$633,549	x	0.0%	=	$0	$274	x	12	+	$274	x	46	=	$163,852	$163,852
	Houma Fire Department	$701,252	x	1	-4	0%	=	$0	$1,051,878	x	0.0%	=	$0	$274	x	0	+	$274	x	0	=	$0	$0
	Little Caillou VFD--Lower Station 3	$534,000	x	1	2	22%	=	$117,480	$801,000	x	33.0%	=	$264,330	$274	x	30	+	$274	x	230	=	$1,953,620	$2,335,430
	Little Caillou VFD--Upper Station 1	$534,000	x	1	-1	0%	=	$0	$801,000	x	0.0%	=	$0	$274	x	12	+	$274	x	46	=	$163,852	$163,852
	Little Caillou/ Chauvin Fire #7	$534,000	x	1	0	9%	=	$48,060	$801,000	x	13.5%	=	$108,135	$274	x	15	+	$274	x	70	=	$306,880	$463,075
	Montegut District # 6	$534,000	x	1	-1	0%	=	$0	$801,000	x	0.0%	=	$0	$1,027	x	12	+	$1,027	x	46	=	$614,146	$614,146
	Montegut--Station 1	$534,000	x	1	-1	0%	=	$0	$801,000	x	0.0%	=	$0	$1,027	x	12	+	$1,027	x	46	=	$614,146	$614,146
	Montegut--Station 2	$534,000	x	1	2	22%	=	$117,480	$801,000	x	33.0%	=	$264,330	$1,027	x	30	+	$1,027	x	230	=	$7,322,510	$7,704,320
	Montegut--Station 3	$534,000	x	1	2	22%	=	$117,480	$801,000	x	33.0%	=	$264,330	$1,027	x	30	+	$1,027	x	230	=	$7,322,510	$7,704,320
	Montegut--Station 4	$534,000	x	1	-2	0%	=	$0	$801,000	x	0.0%	=	$0	$1,027	x	10	+	$1,027	x	30	=	$338,910	$338,910
	Schriever VFD--Central Schriever Station	$534,000	x	1	-4	0%	=	$0	$801,000	x	0.0%	=	$0	$274	x	0	+	$274	x	0	=	$0	$0
	Schriever VFD--Elsworth Station	$534,000	x	1	2	22%	=	$117,480	$801,000	x	33.0%	=	$264,330	$274	x	30	+	$274	x	230	=	$1,953,620	$2,335,430
	Schriever VFD--Gray Station	$534,000	x	1	-7	0%	=	$0	$801,000	x	0.0%	=	$0	$274	x	0	+	$274	x	0	=	$0	$0
	Schriever Volunteer Fire Dept.	$534,000	x	1	-1	0%	=	$0	$801,000	x	0.0%	=	$0	$274	x	12	+	$274	x	46	=	$163,852	$163,852
	Village East VFD--Central Station	$534,000	x	1	-1	0%	=	$0	$801,000	x	0.0%	=	$0	$274	x	12	+	$274	x	46	=	$163,852	$163,852
	Village East Volunteer Fire Department	$534,000	x	1	-2	0%	=	$0	$801,000	x	0.0%	=	$0	$274	x	10	+	$274	x	30	=	$90,420	$90,420
Schools	Acadian Elementary	$6,880,830		1	-7	0%	=	$0	$10,321,245	x	0.0%	=	$0	$274	x	0	+	$274	x	0	=	$0	$0
	Andrew Price			1	-10	0%	=	$0	$0	x	0.0%	=	$0	$275	x	0	+	$275	x	0	=	$0	$0
	Annunziata	$474,540		1	-5	0%	=	$0	$711,810	x	0.0%	=	$0	$276	x	0	+	$276	x	0	=	$0	$0
	Bayou Black Elementary	$1,632,418		1	-4	0%	=	$0	$2,448,627	x	0.0%	=	$0	$277	x	0	+	$277	x	0	=	$0	$0
	Bayou Blue Elementary	$6,899,812		1	-5	0%	=	$0	$10,349,718	x	0.0%	=	$0	$278	x	0	+	$278	x	0	=	$0	$0
	Bayou Cane Adult Ed Center			1	-7	0%	=	$0	$0	x	0.0%	=	$0	$279	x	0	+	$279	x	0	=	$0	$0
	Boudreaux Canal Elementary	$2,230,338		1	5	30%	=	$669,101	$3,345,507	x	45.0%	=	$1,505,478	$280	x	30	+	$280	x	365	=	$3,168,200	$5,342,780
	Bourg Elementary	$3,369,234		1	-1	0%	=	$0	$5,053,851	x	0.0%	=	$0	$281	x	12	+	$281	x	46	=	$168,038	$168,038
	Broadmoor Elementary	$4,802,345		1	0	9%	=	$432,211	$7,203,518	x	13.5%	=	$972,475	$282	x	15	+	$282	x	70	=	$315,840	$1,720,526
	Caldwell Middle	$5,229,431		1	-9	0%	=	$0	$7,844,147	x	0.0%	=	$0	$283	x	0	+	$283	x	0	=	$0	$0
	Coteau-Bayou Blue Elementary	$6,169,020		1	-5	0%	=	$0	$9,253,530	x	0.0%	=	$0	$284	x	0	+	$284	x	0	=	$0	$0
	Dularge Elementary	$2,296,774		1	1	14%	=	$321,548	$3,445,161	x	21.0%	=	$723,484	$285	x	23	+	$285	x	134	=	$916,560	$1,961,592
	Dularge Middle	$3,986,136		1	0	9%	=	$358,752	$5,979,204	x	13.5%	=	$807,193	$286	x	15	+	$286	x	70	=	$320,320	$1,486,265
	East Houma Elementary	$3,986,136		1	-2	0%	=	$0	$5,979,204	x	0.0%	=	$0	$287	x	10	+	$287	x	30	=	$94,710	$94,710
	East Street	$3,986,136		1	-3	0%	=	$0	$5,979,204	x	0.0%	=	$0	$288	x	0	+	$288	x	0	=	$0	$0

Category	Structure Loss							Contents Loss					Structure Use and Function Loss								Structure Loss+Content Loss+Function Loss ($)
	Name/Description of Structure	Structure Replacement Value ($)	x	# Floors	Inundation (ft)	Percent Damage (%)	=	Loss to Structure ($)	Replacement of Contents Value ($)	x	Percent Damage (%)	=	Loss to Contents ($)	Average Daily Operating Budget ($)	x	Functional Downtime	+	Displacement Cost Per Day	x	Displacement Time	=	Stucture Use & Function Cost	
Schools, Cont.	Ellender Memorial High	$10,952,383		1	-4	0%	=	$0	$16,428,575	x	0.0%	=	$0	$289	x	0	+	$289	x	0	=	$0	$0
	Elysian Fields Middle	$4,546,093		1	-1	0%	=	$0	$6,819,140	x	0.0%	=	$0	$290	x	12	+	$290	x	46	=	$173,420	$173,420
	Evergreen Jr. High	$9,528,763		1	-9	0%	=	$0	$14,293,145	x	0.0%	=	$0	$291	x	0	+	$291	x	0	=	$0	$0
	Genesis Alternative High	$2,296,774		1	-3	0%	=	$0	$3,445,161	x	0.0%	=	$0	$292	x	0	+	$292	x	0	=	$0	$0
	Gibson Elementary	$2,116,448		1	-1	0%	=	$0	$3,174,672	x	0.0%	=	$0	$293	x	12	+	$293	x	46	=	$175,214	$175,214
	Grand Caillou Elementary	$4,470,167		1	3	27%	=	$1,206,945	$6,705,251	x	40.5%	=	$2,715,626	$294	x	30	+	$294	x	365	=	$3,326,610	$7,249,182
	Grand Caillou Middle	$5,865,314		1	1	14%	=	$821,144	$8,797,971	x	21.0%	=	$1,847,574	$295	x	23	+	$295	x	134	=	$948,720	$3,617,438
	Greenwood Middle	$1,983,557		1	-1	0%	=	$0	$2,975,336	x	0.0%	=	$0	$296	x	12	+	$296	x	46	=	$177,008	$177,008
	H.L. Bourgeois High	$10,781,549		1	-10	0%	=	$0	$16,172,324	x	0.0%	=	$0	$297	x	0	+	$297	x	0	=	$0	$0
	Holy Rosary	$3,112,982		1	-5	0%	=	$0	$4,669,473	x	0.0%	=	$0	$298	x	0	+	$298	x	0	=	$0	$0
	Honduras Elementary	$3,112,982		1	-4	0%	=	$0	$4,669,473	x	0.0%	=	$0	$299	x	0	+	$299	x	0	=	$0	$0
	Houma Jr. High	$9,661,634		1	-4	0%	=	$0	$14,492,451	x	0.0%	=	$0	$300	x	0	+	$300	x	0	=	$0	$0
	Jane Community Home	$3,119,892		1	-3	0%	=	$0	$4,679,838	x	0.0%	=	$0	$301	x	0	+	$301	x	0	=	$0	$0
	Lacache Middle	$4,726,418		1	2	22%	=	$1,039,812	$7,089,627	x	33.0%	=	$2,339,577	$302	x	30	+	$302	x	230	=	$2,153,260	$5,532,649
	Legion Park Middle	$2,173,393		1	-2	0%	=	$0	$3,260,090	x	0.0%	=	$0	$303	x	10	+	$303	x	30	=	$99,990	$99,990
	Lisa Park Elementary	$5,827,351		1	-2	0%	=	$0	$8,741,027	x	0.0%	=	$0	$304	x	10	+	$304	x	30	=	$100,320	$100,320
	Little Caillou Elementary	$3,986,136		1	4	29%	=	$1,155,979	$5,979,204	x	43.5%	=	$2,600,954	$305	x	30	+	$305	x	365	=	$3,451,075	$7,208,008
	Maria Immacolata Elementary	$1,860,197		1	-3	0%	=	$0	$2,790,296	x	0.0%	=	$0	$306	x	0	+	$306	x	0	=	$0	$0
	Montegut Elementary	$2,666,915		1	3	27%	=	$720,067	$4,000,373	x	40.5%	=	$1,620,151	$307	x	30	+	$307	x	365	=	$3,473,705	$5,813,923
	Montegut Middle	$6,150,038		1	7	43%	=	$2,644,516	$9,225,057	x	64.5%	=	$5,950,162	$308	x	30	+	$308	x	365	=	$3,485,020	$12,079,698
	Mulberry Elementary	$5,808,370		1	-5	0%	=	$0	$8,712,555	x	0.0%	=	$0	$309	x	0	+	$309	x	0	=	$0	$0
	Oaklawn Jr. High	$6,320,873		1	-3	0%	=	$0	$9,481,310	x	0.0%	=	$0	$310	x	0	+	$310	x	0	=	$0	$0
	Oakshire Elementary	$5,950,732		1	-3	0%	=	$0	$8,926,098	x	0.0%	=	$0	$311	x	0	+	$311	x	0	=	$0	$0
	Omega Institure of Cosmentology	$3,986,136		1	-4	0%	=	$0	$5,979,204	x	0.0%	=	$0	$312	x	0	+	$312	x	0	=	$0	$0
	Point-aux-Chenes Elementary	$1,471,074		1	2	22%	=	$323,636	$2,206,611	x	33.0%	=	$728,182	$313	x	30	+	$313	x	230	=	$2,231,690	$3,283,508
	Schriever Elementary	$5,628,044		1	-10	0%	=	$0	$8,442,066	x	0.0%	=	$0	$314	x	0	+	$314	x	0	=	$0	$0
	South Louisiana Beauty College	$3,986,136		1	-2	0%	=	$0	$5,979,204	x	0.0%	=	$0	$315	x	10	+	$315	x	30	=	$103,950	$103,950
	South Louisiana Trade School	$3,986,136		1	-6	0%	=	$0	$5,979,204	x	0.0%	=	$0	$316	x	0	+	$316	x	0	=	$0	$0
	South Terrebonne High	$11,180,162		1	-3	0%	=	$0	$16,770,243	x	0.0%	=	$0	$317	x	0	+	$317	x	0	=	$0	$0
	Southdown Elementary	$5,039,615		1	-3	0%	=	$0	$7,559,423	x	0.0%	=	$0	$318	x	0	+	$318	x	0	=	$0	$0
	St. Bernadette	$4,669,474		1	-2	0%	=	$0	$7,004,211	x	0.0%	=	$0	$319	x	10	+	$319	x	30	=	$105,270	$105,270
	St. Francis De Sales	$7,735,002		1	-5	0%	=	$0	$11,602,503	x	0.0%	=	$0	$320	x	0	+	$320	x	0	=	$0	$0
	St. Gregory Barbarigo	$2,306,264		1	0	9%	=	$207,564	$3,459,396	x	13.5%	=	$467,018	$321	x	15	+	$321	x	70	=	$359,520	$1,034,102
	St. Matthew's	$1,565,982		1	-5	0%	=	$0	$2,348,973	x	0.0%	=	$0	$322	x	0	+	$322	x	0	=	$0	$0
	TARC	$3,986,316		1	-4	0%	=	$0	$5,979,474	x	0.0%	=	$0	$323	x	0	+	$323	x	0	=	$0	$0
	Terrebonne High	$9,946,358		1	-5	0%	=	$0	$14,919,537	x	0.0%	=	$0	$324	x	0	+	$324	x	0	=	$0	$0
	Terrebonne Voc Rehab	$4,555,584		1	-4	0%	=	$0	$6,833,376	x	0.0%	=	$0	$325	x	0	+	$325	x	0	=	$0	$0
	Terrebonne Voc Tech High	$4,555,854		1	-3	0%	=	$0	$6,833,781	x	0.0%	=	$0	$326	x	0	+	$326	x	0	=	$0	$0
	Upper Little Caillou Elementary	$4,707,437		1	-2	0%	=	$0	$7,061,156	x	0.0%	=	$0	$327	x	10	+	$327	x	30	=	$107,910	$107,910
	Vandebilt Catholic High	$9,025,751		1	-6	0%	=	$0	$13,538,627	x	0.0%	=	$0	$328	x	0	+	$328	x	0	=	$0	$0
	Village East Elementary	$2,799,786		1	-1	0%	=	$0	$4,199,679	x	0.0%	=	$0	$329	x	12	+	$329	x	46	=	$196,742	$196,742
	West Park Elementary	$3,986,316		1	-6	0%	=	$0	$5,979,474	x	0.0%	=	$0	$330	x	0	+	$330	x	0	=	$0	$0
Assisted Living	Bonne Terre Village	$3,115,000	x	1	-5	0%	=	$0	$4,672,500.0	x	0.0%	=	$0	$274	x	0	+	$274	x	0	=	$0	$0
	Homestead Assisted Living	$3,115,000	x	1	-2	0%	=	$0	$4,672,500.0	x	0.0%	=	$0	$274	x	10	+	$274	x	30	=	$90,420	$90,420
	Suites at Sugar Mill Point	$3,115,000	x	1	-3	0%	=	$0	$4,672,500.0	x	0.0%	=	$0	$274	x	0	+	$274	x	0	=	$0	$0
	TARC	$3,115,000	x	1	-5	0%	=	$0	$4,672,500.0	x	0.0%	=	$0	$274	x	0	+	$274	x	0	=	$0	$0
	Terrebonne House	$3,115,000	x	1	-3	0%	=	$0	$4,672,500.0	x	0.0%	=	$0	$274	x	0	+	$274	x	0	=	$0	$0
Child Care	Louis Infant Crisis Center	$445,000	x	1	-7	0%	=	$0	$445,000.0	x	0.0%	=	$0	$274	x	0	+	$274	x	0	=	$0	$0
	MacDonnell Methodist Children Services	$445,000	x	2	-3	0%	=	$0	$445,000.0	x	0.0%	=	$0	$274	x	0	+	$274	x	0	=	$0	$0
Civic Center	Houma-Terrebonne Civic Center	$3,520,000	x	1	-5	0%	=	$0	$3,520,000.0	x	0.0%	=	$0	$137	x	0	+	$137	x	0	=	$0	$0

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	Name/Description of Structure	Structure Replacement Value ($)	x	# Floors	Inundation (ft)	Percent Damage (%)	=	Loss to Structure ($)	Replacement of Contents Value ($)	x	Percent Damage (%)	=	Loss to Contents ($)	Average Daily Operating Budget ($)	x	Functional Downtime	+	Displacement Cost Per Day	x	Displacement Time	=	Stucture Use & Function Cost	
Home Health	Anoited Care Services LLC	$3,115,000	x	1	-3	0%	=	$0	$4,672,500.0	x	0.0%	=	$0	$274	x	0	+	$274	x	0	=	$0	$0
	Bayou Home Care	$3,115,000	x	1	-6	0%	=	$0	$4,672,500.0	x	0.0%	=	$0	$274	x	0	+	$274	x	0	=	$0	$0
	Bayou Region Hospice	$3,115,000	x	1	-3	0%	=	$0	$4,672,500.0	x	0.0%	=	$0	$274	x	0	+	$274	x	0	=	$0	$0
	Home Health Center of Thibodaux Region	$3,115,000	x	1	2	22%	=	$685,300	$4,672,500.0	x	33.0%	=	$1,541,925	$274	x	30	+	$274	x	230	=	$1,953,620	$4,180,845
	Hospice of South Louisiana	$3,115,000	x	1	-4	0%	=	$0	$4,672,500.0	x	0.0%	=	$0	$274	x	0	+	$274	x	0	=	$0	$0
	Journey Hospice	$3,115,000	x	1	-4	0%	=	$0	$4,672,500.0	x	0.0%	=	$0	$274	x	0	+	$274	x	0	=	$0	$0
	Lafourche ARC	$3,115,000	x	1	2	22%	=	$685,300	$4,672,500.0	x	33.0%	=	$1,541,925	$274	x	30	+	$274	x	230	=	$1,953,620	$4,180,845
	Louisiana Homecare of Houma	$3,115,000	x	1	-2	0%	=	$0	$4,672,500.0	x	0.0%	=	$0	$274	x	10	+	$274	x	30	=	$90,420	$90,420
	Metro Preferred Home Care	$3,115,000	x	1	-4	0%	=	$0	$4,672,500.0	x	0.0%	=	$0	$274	x	0	+	$274	x	0	=	$0	$0
	Oschner St. Anne General Hospital Home	$3,115,000	x	1	2	22%	=	$685,300	$4,672,500.0	x	33.0%	=	$1,541,925	$274	x	30	+	$274	x	230	=	$1,953,620	$4,180,845
	South Louisiana Home Health	$3,115,000	x	1	-4	0%	=	$0	$4,672,500.0	x	0.0%	=	$0	$274	x	0	+	$274	x	0	=	$0	$0
	Synergy Home Health Care River Region	$3,115,000	x	1	-5	0%	=	$0	$4,672,500.0	x	0.0%	=	$0	$274	x	0	+	$274	x	0	=	$0	$0
	Terrebonne Home Care, Inc	$3,115,000	x	1	-2	0%	=	$0	$4,672,500.0	x	0.0%	=	$0	$274	x	10	+	$274	x	30	=	$90,420	$90,420
	The Medical Team	$3,115,000	x	1	-6	0%	=	$0	$4,672,500.0	x	0.0%	=	$0	$274	x	0	+	$274	x	0	=	$0	$0
	Total Pharmacy Services	$3,115,000	x	1	-5	0%	=	$0	$4,672,500.0	x	0.0%	=	$0	$274	x	0	+	$274	x	0	=	$0	$0
Medical	Cardiovascular Institute of the South	$3,115,000	x	2	0	5%	=	$155,750	$4,672,500.0	x	7.5%	=	$350,438	$274	x	15	+	$274	x	70	=	$306,880	$813,068
	Terrebonne Mental Health Center	$3,115,000	x	1	-5	0%	=	$0	$4,672,500.0	x	0.0%	=	$0	$274	x	0	+	$274	x	0	=	$0	$0
	Terrebonne Parish Health Unit	$3,115,000	x	1	-5	0%	=	$0	$4,672,500.0	x	0.0%	=	$0	$274	x	0	+	$274	x	0	=	$0	$0
Nursing Homes	Chateau Terrebonne Health Care	$3,115,000	x	1	-5	0%	=	$0	$4,672,500.0	x	0.0%	=	$0	$274	x	0	+	$274	x	0	=	$0	$0
	Heritage Manor of Houma	$3,115,000	x	1	-5	0%	=	$0	$4,672,500.0	x	0.0%	=	$0	$274	x	0	+	$274	x	0	=	$0	$0
	Maison De'Ville Nursing Home	$3,115,000		1	-7	0%		$0	$4,672,500.0		0.0%		$0	$274		0		$274		0			$0
	The Oaks of Houma	$3,115,000	x	1	0	9%	=	$280,350	$4,672,500.0	x	13.5%	=	$630,788	$274	x	15	+	$274	x	70	=	$306,880	$1,218,018
Parish Owned Buildings	Houma Terrebonne Housing Authority (Bayou Towers)	$1,040,000	x	2	-3	0%	=	$0	$1,040,000	x	0.0%	=	$0	$274	x	0	+	$274	x	0	=	$0	$0
	Public Works Yard	$1,040,000	x	1	-6	0%	=	$0	$1,040,000	x	0.0%	=	$0	$55	x	0	+	$55	x	0	=	$0	$0
	Pump Stations (Various Locations)	$52,000	x	1	-6	0%	=	$0	$52,000	x	0.0%	=	$0	$41	x	0	+	$41	x	0	=	$0	$0
Sewage	North Sewage Treatment Plant	$59,274,000	x	1	1	14%	=	$8,298,360	$59,274,000	x	21.0%	=	$12,447,540	$55	x	23	+	$55	x	134	=	$176,880	$20,922,780
	South Sewage Treatment Plant	$59,274,000	x	1	2	22%	=	$13,040,280	$59,274,000	x	33.0%	=	$19,560,420	$55	x	30	+	$55	x	230	=	$392,150	$32,992,850
Water	Andrew Price Regulator	$690,000	x	1	-8	0%	=	$0	$690,000	x	0.0%	=	$0	$55	x	0	+	$55	x	0	=	$0	$0
	Bac-t Lab	$690,000	x	1	-3	0%	=	$0	$690,000	x	0.0%	=	$0	$55	x	0	+	$55	x	0	=	$0	$0
	Bayou Black RW Pump Station	$690,000	x	1	-7	0%	=	$0	$690,000	x	0.0%	=	$0	$55	x	0	+	$55	x	0	=	$0	$0
	Bayou Black Tank	$690,000	x	1	-3	0%	=	$0	$690,000	x	0.0%	=	$0	$55	x	0	+	$55	x	0	=	$0	$0
	Bayou Dularge Tank	$690,000	x	1	2	22%	=	$151,800	$690,000	x	33.0%	=	$227,700	$55	x	30	+	$55	x	230	=	$392,150	$771,650
	Benoit Pump Station	$690,000	x	1	2	22%	=	$151,800	$690,000	x	33.0%	=	$227,700	$55	x	30	+	$55	x	230	=	$392,150	$771,650
	Boudreaux Canal Pump Station	$690,000		1	2	22%	=	$151,800	$690,000	x	33.0%	=	$227,700	$55	x	30	+	$55	x	230	=	$392,150	$771,650
	Chauvin Tank	$690,000		1	3	27%	=	$186,300	$690,000	x	40.5%	=	$279,450	$55	x	30	+	$55	x	365	=	$622,325	$1,088,075
	Cocodrie Tank	$690,000		1	0	9%	=	$62,100	$690,000	x	13.5%	=	$93,150	$55	x	15	+	$55	x	70	=	$61,600	$216,850
	Dulac Pump Station	$690,000		1	0	9%	=	$62,100	$690,000	x	13.5%	=	$93,150	$55	x	15	+	$55	x	70	=	$61,600	$216,850

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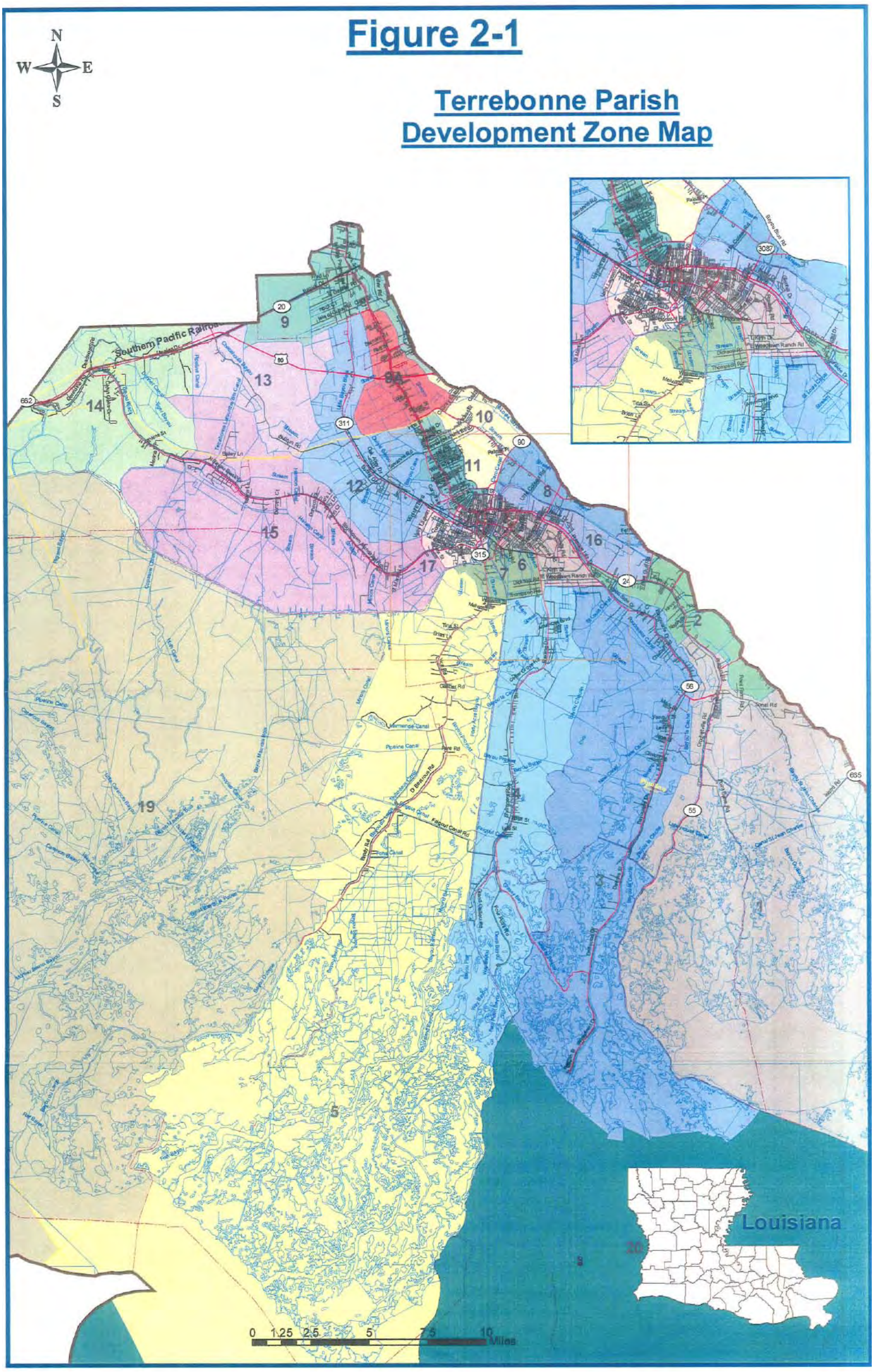
		Structure Loss									Contents Loss					Structure Use and Function Loss									
Water, Cont.	Dulac Tank	$690,000		1		0		9%	=	$62,100	$690,000	x	13.5%	=	$93,150	$55	x	15	+	$55	x	70	=	$61,600	$216,850
	Dumas Tank	$690,000		1		-1		0%	=	$0	$690,000	x	0.0%	=	$0	$55	x	12	+	$55	x	46	=	$32,890	$32,890
	Elliot Jones	$690,000		1		2		22%	=	$151,800	$690,000	x	33.0%	=	$227,700	$55	x	30	+	$55	x	230	=	$392,150	$771,650
	Gibson Tank	$690,000		1		-1		0%	=	$0	$690,000	x	0.0%	=	$0	$55	x	12	+	$55	x	46	=	$32,890	$32,890
	Grand Caillou Tank	$690,000		1		2		22%	=	$151,800	$690,000	x	33.0%	=	$227,700	$55	x	30	+	$55	x	230	=	$392,150	$771,650
	Hanson SG	$690,000		1		2		22%	=	$151,800	$690,000	x	33.0%	=	$227,700	$55	x	30	+	$55	x	230	=	$392,150	$771,650
	Houma GS 1	$690,000		1		-5		0%	=	$0	$690,000	x	0.0%	=	$0	$55	x	0	+	$55	x	0	=	$0	$0
	Houma GS 2	$690,000		1		-2		0%	=	$0	$690,000	x	0.0%	=	$0	$55	x	10	+	$55	x	30	=	$18,150	$18,150
	Houma GS3	$690,000	x	1		-5		0%	=	$0	$690,000	x	0.0%	=	$0	$55	x	0	+	$55	x	0	=	$0	$0
	Houma Plant 3	$690,000	x	1		-8		0%	=	$0	$690,000	x	0.0%	=	$0	$55	x	0	+	$55	x	0	=	$0	$0
	Houma Plant High Service	$690,000	x	1		-4		0%	=	$0	$690,000	x	0.0%	=	$0	$55	x	0	+	$55	x	0	=	$0	$0
	Houma Water Plant	$690,000	x	1		-9		0%	=	$0	$690,000	x	0.0%	=	$0	$55	x	0	+	$55	x	0	=	$0	$0
	Intracoastal RW Pump Station	$690,000	x	1		-7		0%	=	$0	$690,000	x	0.0%	=	$0	$55	x	0	+	$55	x	0	=	$0	$0
	Klondyke Tank	$690,000	x	1		-4		0%	=	$0	$690,000	x	0.0%	=	$0	$55	x	0	+	$55	x	0	=	$0	$0
	Lafort Canal RW PS	$690,000	x	1		2		22%	=	$151,800	$690,000	x	33.0%	=	$227,700	$55	x	30	+	$55	x	230	=	$392,150	$771,650
	Legion Building	$690,000	x	1		-2		0%	=	$0	$690,000	x	0.0%	=	$0	$55	x	10	+	$55	x	30	=	$18,150	$18,150
	Lower Dulac Tank	$690,000		1		2		22%			$690,000		33.0%			$55		30		$55		230			
	Main Office	$690,000		1		-4		0%			$690,000		0.0%			$55		0		$55		0			
	Minors SG	$690,000		1		2		22%			$690,000		33.0%			$55		30		$55		230			
	Montegut Tank	$690,000	x	1		3		27%	=	$186,300	$690,000	x	40.5%	=	$279,450	$55	x	30	+	$55	x	365	=	$622,325	$1,088,075
	Munson PS	$690,000	x	1		-5		0%	=	$0	$690,000	x	0.0%	=	$279,450	$55	x	0	+	$55	x	0	=	$0	$0
	North Terrebonne Standpipe	$690,000		1		-4		0%	=	$0	$690,000	x	0.0%	=	$0	$55	x	0	+	$55	x	0	=	$0	$0
	Pointe-Aux-Chenes Pump Station	$690,000		1		0		9%	=	$62,100	$690,000	x	13.5%	=	$93,150	$55	x	15	+	$55	x	70	=	$61,600	$216,850
	Pointe-Aux-Chenes Tank	$690,000		1		2		22%	=	$151,800	$690,000	x	33.0%	=	$227,700	$55	x	30	+	$55	x	230	=	$392,150	$771,650
	Presque Isle PS	$690,000		1		-6		0%	=	$0	$690,000	x	0.0%	=	$0	$55	x	0	+	$55	x	0	=	$0	$0
	Robinson Canal Pump Station	$690,000	x	1		2		22%	=	$151,800	$690,000	x	33.0%	=	$227,700	$55	x	30	+	$55	x	230	=	$392,150	$771,650
	Robinson Canal Tank	$690,000		1		2		22%	=	$151,800	$690,000	x	33.0%	=	$227,700	$55	x	30	+	$55	x	230	=	$392,150	$771,650
	Schriever GS1	$690,000		1		2		22%	=	$151,800	$690,000	x	33.0%	=	$227,700	$55	x	30	+	$55	x	230	=	$392,150	$771,650
	Schriever GS2	$690,000		1		-5		0%	=	$0	$690,000	x	0.0%	=	$0	$55	x	0	+	$55	x	0	=	$0	$0
	Schriever Plant	$690,000		1		2		22%	=	$151,800	$690,000	x	33.0%	=	$227,700	$55	x	30	+	$55	x	230	=	$392,150	$771,650
	Schriever Tank	$690,000		1		-9		0%	=	$0	$690,000	x	0.0%	=	$0	$55	x	0	+	$55	x	0	=	$0	$0
	Schriever Water Plant	$690,000		1		-7		0%	=	$0	$690,000	x	0.0%	=	$0	$55	x	0	+	$55	x	0	=	$0	$0
	Shell PS	$690,000		1		0		9%	=	$62,100	$690,000	x	13.5%	=	$93,150	$55	x	15	+	$55	x	70	=	$61,600	$216,850
	Sludge Press Building	$690,000		1		2		22%	=	$151,800	$690,000	x	33.0%	=	$227,700	$55	x	30	+	$55	x	230	=	$392,150	$771,650
	South Terrebonne PS	$690,000		1		-3		0%	=	$0	$690,000	x	0.0%	=	$0	$55	x	0	+	$55	x	0	=	$0	$0
	South Terrebonne Standpipe	$690,000		1		-3		0%	=	$0	$690,000	x	0.0%	=	$0	$55	x	0	+	$55	x	0	=	$0	$0
	Texaco Master Meter	$690,000		1		3		27%	=	$186,300	$690,000	x	40.5%	=	$279,450	$55	x	30	+	$55	x	365	=	$622,325	$1,088,075
	Theriot Tank	$690,000		1		1		14%	=	$96,600	$690,000	x	21.0%	=	$144,900	$55	x	23	+	$55	x	134	=	$176,880	$418,380
	Waterproof RW PS	$690,000	x	1		2		22%	=	$151,800	$690,000	x	33.0%	=	$227,700	$55	x	30	+	$55	x	230	=	$392,150	$771,650
	West Gibson Tank	$690,000	x	1		0		9%	=	$62,100	$690,000	x	13.5%	=	$93,150	$55	x	15	+	$55	x	70	=	$61,600	$216,850
	Williams Street PS	$690,000	x	1		1		14%	=	$96,600	$690,000	x	21.0%	=	$144,900	$55	x	23	+	$55	x	134	=	$176,880	$418,380
	Blimp Base PS	$690,000	x	1		-5		0%	=	$0	$690,000	x	0.0%	=	$0	$55	x	0	+	$55	x	0	=	$0	$0
	Total Structure Value	$893,903,166								$39,934,016					$1,331,779,898									$1,455,431,069

Attachment c2-32
Terrebonne Parish Development Zone Map



Attachment c3-1
Terrebonne Parish List of Projects

Terrebonne Parish Hazard Mitigation Plan Update
List of Projects

Source	No.	Project	Hard/Soft	Eligible	Explanation of Eligibility
Terrebonne Parish Comprehensive Master Plan (10/03)					
A	1	Expand Forced Drainage to Flood Prone Areas w/o System in Place (3-7)	Hard	No	New construction is not eligible for HMGP funding
	2	Feasibility and Practicality of New Shelters (3-8)	Hard	No	Construction of new Shelters is not eligible for HMGP funding
	3	Flood Proof Essential Community Facilities (Power Plants, Substations, Hospitals) (3-8)	Hard	Potentially	Flood Mitigation is eligible for HMGP funding
Coastal Wetlands Planning Protection & Restoration Act					
B	1	Whiskey Island Restoration	Hard	No	Coastal/Barrier Island Restoration not eligible for HMGP funding
	2	Whiskey Island Back Barrier Marsh Creation	Hard	No	Marsh Creation not eligible for HMGP funding
	3	West Lake Boudreaux Shoreline Protection and Marsh Creation	Hard	No	Marsh Creation not eligible for HMGP funding
	4	Timbalier Island Planting Demonstration Overview	Hard	No	Planting not eligible for HMGP funding
	5	Timbalier Island Dune and Marsh Creation	Hard	No	Marsh Creation not eligible for HMGP funding
	6	Thin Mat Floating Marsh Enhancement	Hard	No	Marsh Creation not eligible for HMGP funding
	7	Terrebonne Bay Shore Protection Demonstration	Hard	No	Shoreline Protection not eligible for HMGP funding
	8	South Lake De Cade Freshwater Introduction	Hard	No	Freshwater Introduction not eligible for HMGP funding
	9	Ship Shoal: Whiskey West Flank Restoration	Hard	No	Coastal Restoration not eligible for HMGP funding
	10	Raccoon Island Shoreline Protection/Marsh Creation	Hard	No	Coastal Restoration/Protection not eligible for HMGP funding
	11	Raccoon Island Breakwater Demonstration	Hard	No	Coastal Protection not eligible for HMGP funding
	12	Point Au Fer Canal Plugs--Saltwater Intrusion	Hard	No	Reduction/Elimination of Saltwater Intrusion is not eligible for HMGP funding
	13	Penchant Bases Natural Resources Plan--Increment 1	Hard	No	Coastal Restoration/Protection not eligible for HMGP funding
	14	Nutria Harvest for Wetland Restoration Demonstration	Hard	No	Nutria Harvesting not eligible for HMGP funding
	15	North Lake Menchant Landbridge Restoration	Hard	No	Marsh Creation not eligible for HMGP funding
	16	North Lake Boudreaux Basin Freshwater Introduction and Hydrologic Management	Hard	No	Hydrologic Restoration not eligible for HMGP funds
	17	New Cut Dune and Marsh Creation	Hard	No	Marsh Creation not eligible for HMGP funding
	18	Mandalay Bank Protection Demonstration	Hard	No	Coastal Protection not eligible for HMGP funding
	19	Lower Bayou LaCache Hydrologic Restoration	Hard	No	Hydrologic Restoration not eligible for HMGP funds
	20	Lake Chapeau Sediment Input and Hydrologic Restoration	Hard	No	Hydrologic Restoration not eligible for HMGP funds
	21	Isles Dernieres Restoration Trinity Island	Hard	No	Coastal Restoration not eligible for HMGP funds
	22	Isles Dernieres Restoration East Island	Hard	No	Coastal Restoration not eligible for HMGP funding
	23	GIWW Bank Restoration of Critical Areas in Terrebonne Parish	Hard	No	Bank Stabilization not eligible for HMGP funding
	24	Floating Marsh Creation	Hard	No	Marsh Creation not eligible for HMGP funding
	25	Falgout Canal Planting Demonstration	Hard	No	Planting not eligible for HMGP funding
	26	Coastwide Reference Monitoring Systems	Hard	No	Coastal Monitoring Systems not eligible for HMGP funding
	27	Coastwide Nutria Control Program	Hard	No	Nutria Control not eligible for HMGP funding
	28	Brady Canal Hydrologic Restoration	Hard	No	Hydrologic Restoration not eligible for HMGP funds
Coastal Impact Assistance Program					
C	1	Falgout Canal Freshwater Enhancement Phase I	Hard	No	Freshwater Enhancement not eligible for HMGP funding
	2	Beach and Back Barrier Marsh Restoration	Hard	No	Marsh Restoration not eligible for HMGP funding
	3	Closure of Breaches of GIWW	Hard	No	Bank Stabilization (for conservation) not eligible for HMGP funding
	4	North Lost Lake Marsh Creation/Enhancement	Hard	No	Marsh Creation/Enhancement not eligible for HMGP funding
	5	Shoreline Protection on Houma Navigational Canal	Hard	No	Shoreline Protection not eligible for HMGP funding
	6	Houma Navigational Canal Lock	Hard	No	New construction not eligible for HMGP funding
	7	Mississippi River Long Distance Sediment Pipeline	Hard	No	Sediment Diversion not eligible for HMGP funding
Coastal Protection and Restoration Authority					
D	1	Morganza to the Gulf	Hard	No	New construction not eligible for HMGP funding
	2	Gibson to Houma Hurricane Protection	Hard	No	New construction not eligible for HMGP funding
	3	Houma and Vicinity Hurricane Protection	Hard	No	New construction not eligible for HMGP funding
	4	Multipurpose Operation of the Houma Navigational Canal	Hard	No	New construction not eligible for HMGP funding
	5	Marsh Restoration Using Dredged Material in Terrebonne Basin	Hard	No	Marsh Creation not eligible for HMGP funding
	6	Chacahoula Basin Plan	Hard	No	Coastal Protection not eligible for HMGP funding

Coastal Protection and Restoration Authority, Cont.					
D	7	Freshwater Introduction via Blue Hammock Bayou	Hard	No	Freshwater Introduction not eligible for HMGP funding
	8	Ridge Habitat Restoration in Terrebonne Basin	Hard	No	Habitat Restoration not Eligible for HMGP funding
	9	Barrier Shoreline Restoration: Terrebonne Basin	Hard	No	Shoreline Restoration not eligible for HMGP funding
ESF-14 (Terrebonne Parish Long Term Recovery Plan)					
E	1	Implement Capital Improvement Program to Enhance Inner Ring of Tidal Protection/Forced Drainage Levees	Hard	No	New construction not eligible for HMGP funding
	2	Identification of Donor and Placement Sites for Sediment Deposition	Soft	No	Soft Projects (Identification of sites) not eligible for HMGP funding
	3	Review of Louisiana Coastal Zone Management Program	Soft	No	Soft Projects (review of program) not eligible for HMGP funding
	4	Educate the Public in Disaster Awareness	Soft	No	Soft Projects (education) not eligible for HMGP funding
	5	Construct Transportation Improvements Designed to Increase the Economic Viability of Terrebonne Parish	Hard	No	Transportation improvements not eligible for HMGP funding
	6	Secure Congressional Authorization and Construct the Morganza to the Gulf Hurricane Protection System and Enhance and Protect Critical Waterways in the Parish.	Soft/Hard	No	New construction is not eligible for HMGP funding
	7	Expand and Improve Parish wide Sewerage Facilities	Hard	No	New construction for Economic Development is not eligible for HMGP funding
	8	Develop a Detailed Business Recruitment and Retention Plan	Soft	No	Soft Projects (plans) are not eligible for HMGP funding
	9	Reduce the Potential for Future Flood Losses through the Terrebonne Parish Flood Hazard Mitigation Program	Hard	Potentially	Removing, elevation, or flood proofing of repetitive loss structures is eligible for HMGP funding
	10	Increase Affordable Housing throughout the Parish	Hard	No	Increasing the Number of Housing is not eligible for HMGP funding
	11	North-South Hurricane Evacuation Route	Hard	No	Evacuation Route Construction is not eligible for HMGP funding
	12	Plan, Implement, and Construct Parish wide Sewerage	Hard	No	Sewerage planning, implementation and construction is not eligible for HMGP funding
	13	Construct Communications Infrastructure and Provide Primary Responders with Proper Equipment	Hard	Potentially	Early Warning Systems eligible for HMGP funding under 5% initiative
	14	Update Parish Emergency Operations Plan	Soft	No	Soft Projects (plans) are not eligible for HMGP funding
	15	Construct Emergency Operations Center	Hard	No	Construction of EOC's not eligible for HMGP funding
Terrebonne Parish Hazard Mitigation Plan (2004)					
F	1	Flood Proof Terrebonne Parish EOC, Terrebonne Parish General Medical Center, Chabert Medical Center, The TPCG Generating Station and the 2 Consolidated Waterworks Treatment Plants	Hard	Potentially	Floodproofing is eligible for HMGP funding
	2	Develop Master Drainage Plan	Soft	No	Soft Projects (plans) are not eligible for HMGP funding
	3	Generators--Central Fire Department Station, Montegut Middle School, Houma Police Department, Terrebonne Parish Civic Center, Terrebonne Parish Public Works building, Terrebonne Parish EOC	5%	Potentially	Eligible under 5% initiative.
	4	Promote Purchase of Flood Insurance	Soft	No	Soft Projects (public awareness) are not eligible for HMGP funding
	5	Increase Public Awareness of Hazards and Hazard Areas	Soft	No	Soft Projects (public awareness) are not eligible for HMGP funding
	6	Sponsor a "Multi-Hazard Awareness" Week	Soft	No	Soft Projects (public awareness) are not eligible for HMGP funding
	7	Pursue elevation/acquisition/flood proofing projects and structural solutions to flooding.	Hard	Potentially	Elevation/Acquisition/Flood proofing Projects are all eligible for HMGP funding
	8	Investigate and implement localized interior drainage projects at Lower Bayouside Drive, Savanne Road, Ringo Cocke to Hudson Canal, LA 311 at Hollywood Road, Parish Road 15 at Mandalay, and Susie Canal at Ashland South, which are repetitive loss areas, and reduce its flood potential.	Hard	Potentially	Drainage Projects are eligible for HMGP funding, however, project descriptions must be available to scope
	9	Review the existing floodplain ordinance and evaluate ways to improve the Parish's "Community Rating System (CRS) rating to reduce the flood insurance premium. Choose from the variety of methods and projects available that can be implemented to improve the CRS rating.	Soft	No	Soft Projects (evaluation) are not eligible for HMGP funding
	10	Adopt additional residential and commercial building regulations, which include stricter building standards, Land Use Regulations throughout the Parish consistent with to those that exist within the Urban Services District of Houma and incorporate dry flood proofing techniques. When the International Building Codes become mandatory, they will supersede the existing codes.	Soft	No	Soft Projects (regulations) are not eligible for HMGP funding
	11	reduce flooding, such as requiring proper drainage with	Soft	No	HMGP funding
Terrebonne Parish 1603 DR 2008 Letter of Intent					
G	1	Automatic Bar Screen Cleaners (Pump Stations -- D-58, D-03, D-69, D-22, D-28, D-07, D-21)	Hard	Potentially	Drainage Improvements are eligible for HMGP funds
	2	Elevation -- Residential	Hard	Potentially	Elevations are eligible for HMGP funding
	3	EOC Hardening	Hard	Potentially	Wind Hardening is eligible for HMGP funding
	4	and Dredging)	Hard	No	Maintenance is not eligible for HMGP funding
Terrebonne Parish Feasibility Study for Levee Enhancement Projects					
H	1	Industrial Blvd Gap -- 2.1 Miles to +8'	Hard	No	Levee improvements are not eligible for HMGP funding
	2	Ashland/Woodlawn -- 2.9 Miles to +8'	Hard	No	Levee improvements are not eligible for HMGP funding

Terrebonne Parish Feasibility Study for Levee Enhancement Projects, Cont.					
	3	Susie Canal Improvements in Grand Caillou -- 5.3 Miles to +8'	Hard	No	Levee improvements are not eligible for HMGP funding
	4	North of Orange Street Project in Grand Caillou -- 2.5 Miles to +8'	Hard	No	Levee improvements are not eligible for HMGP funding
	5	Brady Road Levee in Dularge -- .25 miles to Falgout Canal to +8'	Hard	No	Levee improvements are not eligible for HMGP funding
	6	Ashland North -- 1.5 Miles to +8'	Hard	No	Levee improvements are not eligible for HMGP funding
	7	Lower Point Au Chene -- 3.9 Miles to +8'	Hard	No	Levee improvements are not eligible for HMGP funding
	8	Intracoastal Canal Near Palm Street -- 2.3 Miles to +6.5'	Hard	No	Levee improvements are not eligible for HMGP funding
	9	Barrier Plan (Big Bayou Black/Gibson) 1/3 of project -- 8.4 Miles to +6.5'	Hard	No	Levee improvements are not eligible for HMGP funding
	10	Bayou Point Au Chene Sluice Gate to +10'	Hard	No	Levee improvements are not eligible for HMGP funding
	11	Bayou Grand Caillou Water Control Structure to +10'	Hard	No	Levee improvements are not eligible for HMGP funding
	12	Falgout Canal Water Control Structure to +10'	Hard	No	Levee improvements are not eligible for HMGP funding
	13	Cane Break to Ashland Levee -- 3.4 Miles to +8'	Hard	No	Levee improvements are not eligible for HMGP funding
	14	West Grand Caillou Levee -- 4.6 Miles to +8'	Hard	No	Levee improvements are not eligible for HMGP funding
H	15	East Theriot -- 9 Miles to +8'	Hard	No	Levee improvements are not eligible for HMGP funding
	16	Upper Dularge East Levee -- 5.2 Miles to +8'	Hard	No	Levee improvements are not eligible for HMGP funding
	17	Barrier Plan (Big Bayou Black/Gibson) 1/3 of project -- 8.4 Miles to +6.5'	Hard	No	Levee improvements are not eligible for HMGP funding
	18	Susie Canal Improvements in Grand Caillou to +10'	Hard	No	Levee improvements are not eligible for HMGP funding
	19	North of Orange Street to +10'	Hard	No	Levee improvements are not eligible for HMGP funding
	20	Brady Road Levee in Dularge -- 1 mile to +10'	Hard	No	Levee improvements are not eligible for HMGP funding
	21	Cane Break to Ashland Levee to +10'	Hard	No	Levee improvements are not eligible for HMGP funding
	22	West Grand Caillou Levee to +10'	Hard	No	Levee improvements are not eligible for HMGP funding
	23	East Theriot to +10'	Hard	No	Levee improvements are not eligible for HMGP funding
	24	Upper Dularge East Levee to +10'	Hard	No	Levee improvements are not eligible for HMGP funding
	25	Lower Point Au Chene -- .85 Miles to +10'	Hard	No	Levee improvements are not eligible for HMGP funding
	26	Extension Orange Street Projects in Grand Caillou -- 2.0 Miles to +10'	Hard	No	Levee improvements are not eligible for HMGP funding
	27	West Ward 7 -- 15.9 Miles to +10'	Hard	No	Levee improvements are not eligible for HMGP funding
	28	Barrier Plan (Big Bayou Black/Gibson) 1/3 of project -- 8.4 Miles to +6.5'	Hard	No	Levee improvements are not eligible for HMGP funding
New Projects					
	1	Blackstart Capacity -- Houma Power Plant	5%	Potentially	Blackstart Capacity retrofitting is potentially eligible for 5% initiative HMGP funding
	2	Communications -- Conversion of SCADA system from Phone to Radio (Airbase Jr., Applied Hydraulics, Ashland North 1, Ashland North 2, Ashland South, Bobtown, Bourg Heights, Central Heights, Clinton St. Package Plant, Dulac, Edgewood, Frank, Grmoco, Green Acres 1, Green Acres 2, Indian Ridge, Jail, James, Lafayette Woods, Mary Hughes, Moffet/Saia, Orange/Marjorie, Patriot Point, Presque Isle 1, Presque Isle 2, Riley, Rounds, Sandcastle, Sarah, Smithridge 1, Smithridge 2, Thunderbird, Village East)	5%	Potentially	Communications Upgrade is potentially eligible for 5% initiative HMGP funding
	3	Communications -- Hazard Warning System (Gauges Strategically Placed, N-Star)	5%	Potentially	Hazard Warning Systems are eligible for HMGP 5% initiative Funding
	4	Communications (Fire, Law Enforcement, Parish, Other) Radios 580 Portables, 372 Mobiles	5%	No	Hand held communications are not eligible for 5% initiative funding
	5	Communications for Water Treatment -- 41 Mobiles	5%	No	Hand held communications are not eligible for 5% initiative funding
I	6	Communications Tower (Theriot, LA)	Hard	No	New construction is not eligible for HMGP funding
	7	Connect Station to emergency generator -- Munson PS	Hard	Potentially	Connection of Generator is potentially eligible for HMGP funding
	8	Drainage Improvement -- (Chabert Medical Center Levee/Houma Industrial Park) Build Levee from Thompson Road to Industrial Pump Station	Hard	No	New construction is not eligible for HMGP funding
	9	Drainage Improvement -- Ann Carroll, Jean Street, Duet Street, and Grace Street (Upgrade Culvert size to drain water from middle of streets)	Hard	Potentially	Drainage Improvements are eligible for HMGP funding
	10	Drainage Improvement -- Ashland North D-60 Tideflex valves on discharge pipes	Hard	Potentially	Drainage Improvements are eligible for HMGP funding
	11	Drainage Improvement -- Bayou Grand Caillou (D-9 South the Landfill Road, Widen and Deepen Channel)	Hard	Potentially	Drainage Improvements are eligible for HMGP funding
	12	Drainage Improvement -- Bayou Grand Caillou (From Oaklawn School to D-9 Pump Station, Widen and Deepen Channel)	Hard	Potentially	Drainage Improvements are eligible for HMGP funding
	13	Drainage Improvement -- Bayou Lacache Pump Canal (Widen and Deepen Canal from Lacache Estate to Pump Station)	Hard	Potentially	Drainage Improvements are eligible for HMGP funding

New Projects, Cont.					
	14	Drainage Improvement -- Bayou Lacarpe (Widen Channel from Tunnel Blvd to pump station and upgrade bar screen cleaner	Hard	Potentially	Drainage Improvements are eligible for HMGP funding
	15	Drainage Improvement -- Bellaire Drive (Increase Culvert Sizes and Slope Ditches)	Hard	Potentially	Drainage Improvements are eligible for HMGP funding
	16	Drainage Improvement -- Benoit Crossing (Remove Portable Pump and place permanent pump)	Hard	No	HMGP will not buy new equipment
	17	Drainage Improvement -- Bonanza Pump Station D-27 Tideflex valves on discharge pipes	Hard	Potentially	Drainage Improvements are eligible for HMGP funding
	18	Drainage Improvement -- Coteau 1-1B Bar Screen Cleaner	Hard	Potentially	Drainage Improvements are eligible for HMGP funding
	19	Drainage Improvement -- Crochetville Road Storm Water Diversion canal with flap gates	Hard	Potentially	Drainage Improvements are eligible for HMGP funding
	20	Drainage Improvement -- D-07 Smithridge Pump Station Bar Screen Cleaner	Hard	Potentially	Drainage Improvements are eligible for HMGP funding
	21	Drainage Improvement -- D-13 Industrial Blvd. Motorized screw gates	Hard	Potentially	Drainage Improvements are eligible for HMGP funding
	22	Drainage Improvement -- D-20 Schriever Pump Station Bar Screen Cleaner	Hard	Potentially	Drainage Improvements are eligible for HMGP funding
	23	Drainage Improvement -- D-3 Upper Montegut Bar Screen Cleaner	Hard	Potentially	Drainage Improvements are eligible for HMGP funding
	24	Drainage Improvement -- Evelyn Lateral Between (Subsurface drainage in lateral ditch from Frank street to Perky street)	Hard	Potentially	Drainage Improvements are eligible for HMGP funding
	25	Drainage Improvement -- Highway 24 in Gray	Hard	Potentially	DOTD would have jurisdiction for this drainage project
	26	Drainage Improvement -- Highway 315 in Dularge	Hard	Potentially	DOTD would have jurisdiction for this drainage project
	27	Drainage Improvement -- Industrial Pump D-13 Trash Screen and Bar Screen Cleaner	Hard	Potentially	Drainage Improvements are eligible for HMGP funding
	28	Drainage Improvement -- Island Road (Stabilize roadway shoulders and embankment)	Hard	Potentially	Stabilization implies maintenance issues
	29	Drainage Improvement -- Isle of Cuba Transfer (Off-site fuel storage -- gas and diesel)	Hard	No	New offsite storage -- HMGP will not buy equipment
	30	Drainage Improvement -- LA 56 in Chauvin	Hard	Potentially	DOTD would have jurisdiction for this drainage project
	31	Drainage Improvement -- Lower Montegut D-2 Tideflex Valves on discharge pipes	Hard	Potentially	Drainage Improvements are eligible for HMGP funding
	32	Drainage Improvement -- Martin Luther King Blvd (Increase Culvert Size in pump canal under highway in bonanza system)	Hard	Potentially	Drainage Improvements are eligible for HMGP funding
	33	Drainage Improvement -- Michael Street, Buquet Street, and Daigle Street (Increase Culvert size to drain streets during heavy rain fall)	Hard	Potentially	Drainage Improvements are eligible for HMGP funding
/	34	Drainage Improvement -- Oak Forest Street (Increase in Culvert Sizes and Pump Station)	Hard	Potentially	Drainage Improvements are eligible for HMGP funding
	35	Drainage Improvement -- Old Spanish Trail 6-1B (Place area under Force Drainage to Stop Backwater Flooding)	Hard	No	New construction not eligible for HMGP funding
	36	Drainage Improvement -- Old Spanish Trail 6-1B (Put Screw Gates on Culvert Crossings)	Hard	Potentially	Drainage Improvements are eligible for HMGP funding
	37	Drainage Improvement -- Pump Station Telemetry	Hard	5%	Upgrade to Telemetry potentially eligible for 5% funding
	38	Drainage Improvement -- Royce Street (Increase culvert size to stop rainfall flooding)	Hard	Potentially	Drainage Improvements are eligible for HMGP funding
	39	Drainage Improvement -- Savanne Road to Summerfield (Create a force drainage area to stop backwater and storm events flooding)	Hard	No	New construction not eligible for HMGP funding
	40	Drainage Improvement -- South Ellendale Estates Lateral (Dig and possible widen lateral from subdivision to Hanson Canal)	Hard	Potentially	Drainage Improvements are eligible for HMGP funding
	41	Drainage Improvement -- Widen Jeannie Canal	Hard	Potentially	Drainage Improvements are eligible for HMGP funding
	42	(From D-12 to Cement Lined Ditch, Widen and Deepen	Hard	Potentially	funding
	43	Drainage Study -- Airport Commission	Soft	No	Studies are not eligible for HMGP funding
	44	Drainage Project -- Port Commission			Does not have enough information
	45	Dry Floodproof RL Structure Next to Robinson Canal (Meeting #3)	Hard	Potentially	Floodproofing is eligible for HMGP funding
	46	Dry Floodproofing -- Infiltration Reduction of Underground Wastewater Collection System	Hard	Potentially	Floodproofing is eligible for HMGP funding
	47	Elevation -- Bayou Dularge Tank building and chlorination equipment	Hard	Potentially	Elevation is an eligible HMGP project
	48	Elevation -- Fire Station (raise 2', history of flooding, 75'x75' Slab) (1466 Hwy 665)	Hard	Potentially	Elevation is an eligible HMGP project
	49	Elevation -- Fire Station in Chauvin	Hard	Potentially	Elevation is an eligible HMGP project
	50	Elevation -- Generator for Riley Drive Lift Station	Hard	Potentially	Elevation is an eligible HMGP project
	51	Elevation -- Grand Caillou Tank building	Hard	Potentially	Elevation is an eligible HMGP project
	52	Elevation -- Industrial Blvd from Van Ave to Pump Station	Hard	Potentially	Elevation is an eligible HMGP project
	53	Elevation -- Leachate Removal System	Hard	Potentially	Elevation is an eligible HMGP project
	54	Elevation -- Lift Stations with Self Priming Pumps (Bourg Heights, Edgewood, Ashland North, Ashland North II, Ashland South, Woodlawn Ranch, Saia, Prospect, Carriage Cove, Green Acres I, Green Acres II, Lafayette Woods, Lorraine Park, Presque Isle, Presque Isle II, Chabert Medical Center, Service Center, Smithridge I, Smithridge II, South Terrebonne Estates, Riley Drive)	Hard	Potentially	Elevation is an eligible HMGP project
	55	Elevation -- Lift Stations with Submersible Pumps (Bobtown, Dulac, Orange Street, Airbase Jr., Patriot Point, Rounds Road, Applied Hydraulics, Gemoco, Indian Ridge, James Road, Sandcastle, Thunderbird Road)	Hard	Potentially	Elevation is an eligible HMGP project

New Projects, Cont.					
	56	equipment	Hard	Potentially	Elevation is an eligible HMGP project
	57	Elevation -- Montegut Station (100'x75')	Hard	Potentially	Elevation is an eligible HMGP project
	58	Elevation -- Orange Street Wastewater Plant Controls	Hard	Potentially	Elevation is an eligible HMGP project
	59	Elevation -- Pointe-Aux Chenes Pump Station building and electrical pump, regulating valve and meter	Hard	Potentially	Elevation is an eligible HMGP project
	60	regulating valve and meter	Hard	Potentially	Elevation is an eligible HMGP project
	61	Elevation -- Scale	Hard	Potentially	Elevation is an eligible HMGP project
	62	Elevation -- South Terrebonne Pump Station building and pump	Hard	Potentially	Elevation is an eligible HMGP project
	63	Elevation -- Terrebonne General Medical Center Main Plant Electrical Switch Gear, Boilers, and Chillers ($2,750,000)	Hard	Potentially	Elevation is an eligible HMGP project
	64	Elevation -- Texaco Master Meter Building, regulating valve and meter	Hard	Potentially	Elevation is an eligible HMGP project
	65	Elevation -- West Gibson Tank building and chlorination equipment	Hard	Potentially	Elevation is an eligible HMGP project
	66	Elevation of Local Evacuation Route -- 1 Mile Section of LA 56 in Chauvin, LA (Ward 7 Evacuation Routes)	Hard	Potentially	Elevation is an eligible HMGP project
	67	Elevation of Local Evacuation Route -- 1.5 Mile Section of LA 315 near the Dularge Bridge (Evacuation Route for Bayou Dularge and Crozier, Floods in a strong south wind)	Hard	Potentially	Elevation is an eligible HMGP project
	68	Elevation of Pump Station Roads -- D-19, D-12, and D-5 Pumps	Hard	Potentially	Elevation of locally owned roads is eligible for HMGP funding
	69	Elevation to ABFE -- D-01 Gear Drives, Motors, and Controls	Hard	Potentially	Elevation is an eligible HMGP project
	70	Elevation to ABFE -- D-02 Gear Drives, Motors, and Controls	Hard	Potentially	Elevation is an eligible HMGP project
	71	Elevation to ABFE -- D-04 Gear Drives, Motors, and Controls	Hard	Potentially	Elevation is an eligible HMGP project
	72	Elevation to ABFE -- D-06 Gear Drives, Motors, and Controls	Hard	Potentially	Elevation is an eligible HMGP project
	73	Elevation to ABFE -- D-11 Gear Drives, Motors, and Controls	Hard	Potentially	Elevation is an eligible HMGP project
	74	Elevation to ABFE -- D-15 Gear Drives, Motors, and Controls	Hard	Potentially	Elevation is an eligible HMGP project
	75	Elevation to ABFE -- D-21 Gear Drives, Motors, and Controls	Hard	Potentially	Elevation is an eligible HMGP project
	76	Elevation to ABFE -- D-36 Gear Drives, Motors, and Controls	Hard	Potentially	Elevation is an eligible HMGP project
	77	Elevation to ABFE -- D-37 Gear Drives, Motors, and Controls	Hard	Potentially	Elevation is an eligible HMGP project
	78	Elevation to ABFE -- D-40 Gear Drives, Motors, and Controls	Hard	Potentially	Elevation is an eligible HMGP project
/	79	Elevation to ABFE -- D-42 Gear Drives, Motors, and Controls	Hard	Potentially	Elevation is an eligible HMGP project
	80	Elevation to ABFE -- D-43 Gear Drives, Motors, and Controls	Hard	Potentially	Elevation is an eligible HMGP project
	81	Elevation to ABFE -- D-44 Gear Drives, Motors, and Controls	Hard	Potentially	Elevation is an eligible HMGP project
	82	Elevation to ABFE -- D-46 Gear Drives, Motors, and Controls	Hard	Potentially	Elevation is an eligible HMGP project
	83	Elevation to ABFE -- D-47 Gear Drives, Motors, and Controls	Hard	Potentially	Elevation is an eligible HMGP project
	84	Elevation to ABFE -- D-48 Gear Drives, Motors, and Controls	Hard	Potentially	Elevation is an eligible HMGP project
	85	Elevation to ABFE -- D-49 Gear Drives, Motors, and Controls	Hard	Potentially	Elevation is an eligible HMGP project
	86	Elevation to ABFE -- D-50 Gear Drives, Motors, and Controls	Hard	Potentially	Elevation is an eligible HMGP project
	87	Elevation to ABFE -- D-51 Gear Drives, Motors, and Controls	Hard	Potentially	Elevation is an eligible HMGP project
	88	Elevation to ABFE -- D-53 Gear Drives, Motors, and Controls	Hard	Potentially	Elevation is an eligible HMGP project
	89	Elevation to ABFE -- D-54 Gear Drives, Motors, and Controls	Hard	Potentially	Elevation is an eligible HMGP project
	90	Elevation to ABFE -- D-56 Gear Drives, Motors, and Controls	Hard	Potentially	Elevation is an eligible HMGP project
	91	Elevation to ABFE -- D-59 Gear Drives, Motors, and Controls	Hard	Potentially	Elevation is an eligible HMGP project
	92	Elevation to ABFE -- D-60 Gear Drives, Motors, and Controls	Hard	Potentially	Elevation is an eligible HMGP project
	93	Elevation to ABFE -- D-61 Gear Drives, Motors, and Controls	Hard	Potentially	Elevation is an eligible HMGP project
	94	Elevation to ABFE -- D-62 Gear Drives, Motors, and Controls	Hard	Potentially	Elevation is an eligible HMGP project
	95	Elevation to ABFE -- D-65 Gear Drives, Motors, and Controls	Hard	Potentially	Elevation is an eligible HMGP project
	96	Elevation to ABFE -- D-69 Gear Drives, Motors, and Controls	Hard	Potentially	Elevation is an eligible HMGP project
	97	Emergency Preparedness -- Creation of alternative staging area	Soft	No	Emergency Preparedness not eligible for HMGP funding
	98	Emergency Preparedness -- Message Boards	5%	No	Emergency Preparedness not eligible for HMGP funding
	99	Emergency Preparedness -- Military Showers	Soft	No	Emergency Preparedness not eligible for HMGP funding
	100	Emergency Preparedness -- Nursing Home Evacuation Coordination/Plan	Soft	No	Emergency Preparedness not eligible for HMGP funding
	101	Emergency Preparedness -- Small Power Radio Station for Hazard Alert	5%	No	Emergency Preparedness not eligible for HMGP funding

New Projects, Cont.					
	102	Floodproof -- Terrebonne Parish General Medical Center, The TPCG Generating Station, and the 2 Consolidated Waterworks Treatment Plants	Hard	Yes	Floodproofing is eligible for HMGP funding
	103	Flood Protection -- Sea wall at Public Works Yard Grand Caillou Road	Hard	No	New construction is not eligible for HMGP funding
	104	Flood Wall and Pump Installation for Terrebonne General	Hard	No	New construction is not eligible for HMGP funding
	105	Four P25 Motorola Communications Consoles to be located within the Terrebonne 911 Cat. 5 Hurricane resistant facility located at 110 Capital Blvd. to be used for Interoperable Communications between all 15 Terrebonne Fire Districts (13 Fire Departments), Law Enforcement Agencies, OEP, Utilities & Parish Departments (cost $138,000)	5%	No	Communications Consoles are not eligible for 5% initiative HMGP funding
	106	Generator -- 100KW for Chabert Medical Center	5%	Potentially	Generators are eligible for 5% initiative funding
	107	Generator -- 100KW for Terrebonne General	5%	Potentially	Generators are eligible for 5% initiative funding
	108	Generator -- 100KW for W. Woodlawn Station	5%	Potentially	Generators are eligible for 5% initiative funding
	109	Generator -- 150KW for Valhi Lift Station	5%	Potentially	Generators are eligible for 5% initiative funding
	110	Generator -- 200KW for South Wastewater Treatment Plant	5%	Potentially	Generators are eligible for 5% initiative funding
	111	Generator -- City Hall (with switching capacity)	5%	Potentially	Generators are eligible for 5% initiative funding
	112	Generator -- Coteau Fire Station (Natural Gas, includes change over switch to ensure response to emergency calls)	5%	Potentially	Generators are eligible for 5% initiative funding
	113	Generator -- Gov't Towers	5%	Potentially	Generators are eligible for 5% initiative funding
	114	Generator -- Houma Fire Department, Central Station (50KW)	5%	Potentially	Generators are eligible for 5% initiative funding
	115	Generator -- Houma Police Department Building (Cummings model GFGA 500 KW 120/208 Volt 3 phase, 60 hertz, 1800RPM NG set)	5%	Potentially	Generators are eligible for 5% initiative funding
	116	Generator -- Lift Stations Receiving Effluent from Hospitals, Chabert Medical Center (50 KW)	5%	Potentially	Generators are eligible for 5% initiative funding
	117	Generator -- Lift Stations Receiving Effluent from Hospitals, Terrebonne General Medical Center (50 KW)	5%	Potentially	Generators are eligible for 5% initiative funding
	118	Generator -- Major Lift Stations, Douglas (50 KW)	5%	Potentially	Generators are eligible for 5% initiative funding
	119	Generator -- Major Lift Stations, Highland Drive (150 KW)	5%	Potentially	Generators are eligible for 5% initiative funding
	120	Generator -- Major Lift Stations, Mire (75 KW)	5%	Potentially	Generators are eligible for 5% initiative funding
	121	Generator -- Major Lift Stations, Westside (50 KW)	5%	Potentially	Generators are eligible for 5% initiative funding
	122	Generator -- Major Lift Stations, Westview (100 KW)	5%	Potentially	Generators are eligible for 5% initiative funding
	123	Generator -- Montegut, Pointe Aux Chenes Fire Stations (need 40-50 KW -- $15,000)	5%	Potentially	Generators are eligible for 5% initiative funding
	124	Generator -- North Terrebonne Treatment Plant	5%	Potentially	Generators are eligible for 5% initiative funding
	125	Generator -- OEP 911 (60KW)	5%	Potentially	Generators are eligible for 5% initiative funding
	126	Generator -- Pollution Control Portable Unit Trailer Mounted for 10 treatment plants (50 KW)	5%	Potentially	Generators are eligible for 5% initiative funding
	127	Generator -- Pollution Control, S. Treatment Plant Effluent Lift Station (250 KW)	5%	Potentially	Generators are eligible for 5% initiative funding
	128	Generator -- Pollution Control, S. Treatment Plant Perimeter Drainage Pump Station (100 KW)	5%	Potentially	Generators are eligible for 5% initiative funding
	129	Generator -- Port Commission Forced Drainage (50 KW)	5%	Potentially	Generators are eligible for 5% initiative funding
	130	Generator -- Public Works -- Portable Generator for Bridges (80 KW)	5%	Potentially	Generators are eligible for 5% initiative funding
	131	Generator -- Public Works -- Portable Trailer Unit Mounted for 6 Treatment Plants (56KW)	5%	Potentially	Generators are eligible for 5% initiative funding
	132	Generator -- Public Works Service Center Yard (400KW)	5%	Potentially	Generators are eligible for 5% initiative funding
	133	Generator -- Public Works Valhi Lift Station (135KW)	5%	Potentially	Generators are eligible for 5% initiative funding
	134	Generator -- Public Works, Buquet Bridge (75 KW 120/240 Volt)	5%	Potentially	Generators are eligible for 5% initiative funding
	135	Generator -- Public Works, Klondyke Bridge (75 KW 120/240 Volt)	5%	Potentially	Generators are eligible for 5% initiative funding
	136	Generator -- Public Works, Service Center Yard (400 KW 208/480 Volt)	5%	Potentially	Generators are eligible for 5% initiative funding
	137	Generators -- Lift Stations Receiving Effluent from Hospitals, Valhi II (125 KW)	5%	Potentially	Generators are eligible for 5% initiative funding
	138	Infiltration Reduction of Underground Wastewater System (Testing needed for Locations)	Hard	No	Maintenance is not eligible for HMGP funding
	139	Modification to Village East Lift Station (Conversion from Dry Pit to Submersible Station)	Hard	No	HMGP will not buy new equipment
	140	New Water Storage Tank -- Terrebonne General Medical Center (1,000,000 Gallons, $750,000)	Hard	No	New water storage tanks are not eligible for HMGP funds
	141	Relocation -- Deadwood	Hard	Potentially	Relocation of entire community's social impacts will not allow scoping
	142	Relocation -- Jean Charles	Hard	Potentially	Relocation of entire community's social impacts will not allow scoping

New Projects, Cont.

	143	RL and Severe RL Properties -- Elevation, Acquisition, Mitigation Reconstruction (Parish)	Hard	Potentially	Elevation/Acquisition/Mitigation Reconstruction Projects are all eligible for HMGP funding
	144	Safe room -- Coteau Fire Station	Hard	Potentially	Safe Rooms are eligible for HMGP funding
	145	Safe Room -- Gov't Towers Parking Structure (Pet Shelter)	Hard	Potentially	Safe Rooms are eligible for HMGP funding
	146	Safe Room -- Houma Water Treatment Plant	Hard	Potentially	Safe Rooms are eligible for HMGP funding
	147	Wind Retrofit -- Bac-T Lab (install shutters or impact resistant glass on windows, strengthen doors)	Hard	Potentially	Wind Hardening is eligible for HMGP funding
	148	Wind Retrofit -- Bob Jones Building (Cat 4 or 5)	Hard	Potentially	Wind Hardening is eligible for HMGP funding
	149	Wind Retrofit -- Bourg Fire Station, 2 Bay Doors (22'x10', 14'x10') and 3 Windows (36"x36")	Hard	Potentially	Wind Hardening is eligible for HMGP funding
	150	Wind Retrofit -- Buquet Bridge and Klondyke Bridge Tender's Buildings (Cat 3)	Hard	Potentially	Wind Hardening is eligible for HMGP funding
	151	Wind Retrofit -- City Hall (IT Department)	Hard	Potentially	Wind Hardening is eligible for HMGP funding
	152	Wind Retrofit -- Civic Center (Shutters or Window Film)	Hard	Potentially	Wind Hardening is eligible for HMGP funding
	153	Wind Retrofit -- Coteau Fire Station (include main structure, apparatus room, generator room doors)	Hard	Potentially	Wind Hardening is eligible for HMGP funding
	154	Wind Retrofit -- Courthouse Annex (Window Film)	Hard	Potentially	Wind Hardening is eligible for HMGP funding
	155	Wind Retrofit -- Director's Building (Cat 3)	Hard	Potentially	Wind Hardening is eligible for HMGP funding
	156	Wind Retrofit -- Drainage Building (Cat 3)	Hard	Potentially	Wind Hardening is eligible for HMGP funding
	157	Wind Retrofit -- Evergreen Junior High	Hard	Potentially	Wind Hardening is eligible for HMGP funding
	158	Wind Retrofit -- Fire Stations (central, #2, #3, #4) Shutters	Hard	Potentially	Wind Hardening is eligible for HMGP funding
	159	Wind Retrofit -- Garage Doors (407 Island)	Hard	Potentially	Wind Hardening is eligible for HMGP funding
	160	Wind Retrofit -- Government Tower (Window Film)	Hard	Potentially	Wind Hardening is eligible for HMGP funding
	161	Wind Retrofit -- Gulf States LTAC	Hard	Potentially	Wind Hardening is eligible for HMGP funding
	162	Wind Retrofit -- Harden Front and Back Doors of Convention Center	Hard	Potentially	Wind Hardening is eligible for HMGP funding
	163	Wind Retrofit -- Headstart Center	Hard	Potentially	Wind Hardening is eligible for HMGP funding
	164	Wind Retrofit -- Houma Junior High	Hard	Potentially	Wind Hardening is eligible for HMGP funding
	165	Wind Retrofit -- Houma Municipal Auditorium	Hard	Potentially	Wind Hardening is eligible for HMGP funding
/	166	Wind Retrofit -- Houma PD	Hard	Potentially	Wind Hardening is eligible for HMGP funding
	167	Wind Retrofit -- Juvenile Detention Center	Hard	Potentially	Wind Hardening is eligible for HMGP funding
	168	Wind Retrofit -- Legion Park Middle	Hard	Potentially	Wind Hardening is eligible for HMGP funding
	169	Wind Retrofit -- Mail Library	Hard	Potentially	Wind Hardening is eligible for HMGP funding
	170	Wind Retrofit -- Main Office (Install shutters or impact resistant glass on windows, strengthen doors)	Hard	Potentially	Wind Hardening is eligible for HMGP funding
	171	Wind Retrofit -- Montague, Pointe Aux Chenes Fire Stations (5 Windows at 1466 Hwy 665, 6 Windows at 407 Island Rd, 6 Windows at 1746 Hwy 55)	Hard	Potentially	Wind Hardening is eligible for HMGP funding
	172	Wind Retrofit -- Morgue	Hard	Potentially	Wind Hardening is eligible for HMGP funding
	173	Wind Retrofit -- New Roll-up Door at EOC -- 911	Hard	Potentially	Wind Hardening is eligible for HMGP funding
	174	Wind Retrofit -- North Terrebonne Standpipe (strengthen door)	Hard	Potentially	Wind Hardening is eligible for HMGP funding
	175	Wind Retrofit -- Roof of Convention Center	Hard	Potentially	Wind Hardening is eligible for HMGP funding
	176	Wind Retrofit -- Schriever Elementary	Hard	Potentially	Wind Hardening is eligible for HMGP funding
	177	Wind Retrofit -- Sludge Press Building (strengthen doors)	Hard	Potentially	Wind Hardening is eligible for HMGP funding
	178	Wind Retrofit -- South Terrebonne High School	Hard	Potentially	Wind Hardening is eligible for HMGP funding
	179	Wind Retrofit -- Southdown Elementary	Hard	Potentially	Wind Hardening is eligible for HMGP funding
	180	Wind Retrofit -- Terrebonne High School	Hard	Potentially	Wind Hardening is eligible for HMGP funding
	181	Wind Retrofit -- West Park Elementary	Hard	Potentially	Wind Hardening is eligible for HMGP funding
	182	Wind Retrofit and Elevation -- Houma Plant 3 (Install shutters or impact resistant glass on windows, strengthen doors, raise pumps and electrical panels)	Hard	Potentially	Wind Hardening and elevations are eligible for HMGP funding
	183	Wind Retrofit and Elevation -- Houma Plant High Service pumps and electrical panels, strengthen door	Hard	Potentially	Wind Hardening and elevations are eligible for HMGP funding
	184	Wind Retrofit and Elevation -- Lafort Canal RW PS (elevate pumps and generator, strengthen door)	Hard	Potentially	Wind Hardening and elevations are eligible for HMGP funding
	185	Wind Retrofit and Elevation -- Munson PS (Elevate Building, electrical pumps, regulating valves and meters, Install Shutters on windows, strengthen the doors)	Hard	Potentially	Wind Hardening and elevations are eligible for HMGP funding
	186	Wind Retrofit and Elevation -- Schriever Plant (install shutters or impact resistant glass on windows, strengthen doors, elevate pumps)	Hard	Potentially	Wind Hardening and elevations are eligible for HMGP funding
	187	Wind Retrofit and Elevation -- Shell PS (elevate pumps and electrical panels, strengthen door)	Hard	Potentially	Wind Hardening and elevations are eligible for HMGP funding

New Projects, Cont.					
I	188	Wind Retrofit and Elevation -- Williams Street Pump Station (elevate pumps and electrical panels, strengthen door)	Hard	Potentially	Wind Hardening and elevations are eligible for HMGP funding

Key

	Not Mitigation Related
	Needs More Information
	Not Eligible for HMGP Funding
	Potentially Eligible for HMGP Funding
	Potentially Eligible and Repeated in New Projects
	Will not be brought to scoping (5%, other issues)

V. §201.6 (c)(3) HAZARD MITIGATION STRATEGIES

V. §201.6 (c)(3) HAZARD MITIGATION STRATEGIES

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

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 Terrebonne Parish, Louisiana.

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

The Terrebonne 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 were determined to be those that would have the greatest benefit in reducing or eliminating hazard damage to the parish. 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 to reduce or avoid long-term vulnerabilities to the identified hazards are listed below:

Goal 1:
Identify and pursue preventive measures that will reduce future damages from hazards.

Goal 2:
Enhance public awareness and understanding of disaster preparedness.

Goal 3:
Reduce repetitive flood losses in the parish.

Goal 4:
Facilitate sound development in the parish to reduce or eliminate the potential impact of hazards.

After vigorous review of each goal, the committee established a consensus on the validity of the goals. Action Items from the original Hazard Mitigation Plan have been identified as being completed, ongoing, carried over, projects ranked, projects scoped, and/or HMGP Ineligible. See Table to follow.

Actions from 2004 HMP	Deleted	Completed	Ongoing	Carried Over	Projects Ranked	Projects Scoped	HMGP Ineligible
Action 1: Identify improved evacuation routes that do not flood.			X				X
Action 2: Evaluate where erosion control projects are needed.			X				X
Action 3: Regularly maintain levees.			X				X
Action 4: Continue the nutria bounty program.			X				X
Action 5: Keep right of ways maintained so that trees do not fall on utilities causing power outages.			X				X
Action 6: Pursue more forced drainage projects with hurricane protection to reduce increased vulnerability of flooding caused by subsidence.			X	X			
Action 7: Continue the mosquito abatement program.			X				X
Action 8: Construct more directional barriers (locks and floodgates) to reduce saltwater intrusion.			X				X
Action 9: Continue to enforce environmental regulations regarding drinking water contamination.			X				X
Action 10: Investigate the feasibility of a public notification system (sirens, call down system.)			X	X			
Action 11: Add back up power supply/generators in critical locations.			X	X			
Action 12: Institute a public education campaign on the importance of maintaining ditches.			X				X
Action 13: Educate public on importance of keeping trees trimmed.			X				X
Action 14: Initiate public education campaign on preventing West Nile and other vector diseases.			X				X
Action 15: Initiate public education campaigns/awareness programs in schools and develop Public Service Announcements (PSAs) on how to seek shelter in disasters (flooding, tornadoes, etc.)			X				X
Action 16: Pursue PSA agreements with TV/Radio stations.			X				X
Action 17: Advertise this plan and its recommended actions.			X				X
Action 18: Encourage individual self-sufficiency in emergency situations (i.e. emergency plans)			X				X
Action 19: Continue to maintain drainage ways.			X				X
Action 20: Annually review and correct the Repetitive Loss List.			X				X
Action 21: Pursue elevation/acquisition/floodproofing projects.		X	X	X	X		
Action 22: Pursue a Hurricane Protection Levee.			X				X
Action 23: Review the existing stormwater Reservoir locations and capacities and see if upgrades are needed.			X				X
Action 24: Rebuild the barrier islands to reduce storm surge.			X				X

Actions from 2004 HMP	Deleted	Completed	Ongoing	Carried Over	Projects Ranked	Projects Scoped	HMGP Ineligible
Action 25: Continue working with the Corps of Engineers to remove abandoned boats and cars in the drainage canals.			X				X
Action 26: Pursue structural solutions to flooding (i.e. levees, drainage projects)			X				X
Action 27: Improve levee design standards.			X				X
Action 28: Continue to participate in the "Commujnity Rating System (CRS)" of the NFIP.			X				X
Action 29: Review existing floodplain ordinance and see how it could be augmented to increase CRS potential and reduce flood insurance premiums.			X				X
Action 30: Strengthen building codes to reduce wind damage.			X				X
Action 31: Continue to consider higher regulatory standards and adopt those that are beneficial to the community.			X				X
Action 32: Prepare a parish-wide sewer plan.			X				X
Action 33: Survey aging infrastructure and develop a schedule for replacement.			X				X

B. §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 Terrebonne Parish Hazard Mitigation Plan Update Committee identified several projects that would reduce and/or prevent future damage. In that effort, the group focused on a comprehensive range of specific mitigation actions and projects. These actions and projects were identified in thorough fashion by the consultant team, the steering committee, and committee by way of frequent and open communications and meetings held throughout the planning process.

Action items relative to each goal below were filtered to only include those that were eligible under FEMA's Hazard Mitigation Grant Program and those of the highest local priority. Additional, non-eligible mitigation projects and those from the original hazard mitigation plan (2004) can be found in Attachment c3-1 on page 140. The established and agreed upon objectives and actions relative to the established goals are as follows:

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

  - **Objective 1.1:** Ensure existing structures are structurally sound to endure hurricane-force winds

    Action 1.1.1: Wind harden structures (see Attachment c3-1 for locations)

    - Timeframe: 1-5 years, as funding permits
    - Funding: HMGP, local, regional, and federal
    - Staff: Existing parish administration

  - **Objective 1.2:** Ensure all citizens and employees of Terrebonne Parish are safe from high winds (hurricanes and tornado related)

    Action 1.2.1: Construct safe rooms at critical facilities (see Attachment c3-1 for locations)

    - Timeframe: 1-5 years, as funding permits
    - Funding: HMGP, local, regional, and federal
    - Staff: Existing parish administration

    Action 1.2.2: Install a hazard early warning system

    - Timeframe: 1-5 years, as funding permits
    - Funding: HMGP, local, regional, and federal
    - Staff: Parish administration

  - **Objective 1.3:** Ensure all first responders are adequately equipped to respond to a storm event

    Action 1.3.1: Purchase communication devices (see Attachment c3-1 for details)

    - Timeframe: 1-5 years, as funding permits
    - Funding: HMGP, local, regional, and federal
    - Staff: Existing parish administration

    Action 1.3.2: Purchase generators for critical facilities (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 administration

  - **Objective 1.4:** Protect citizens from saltwater intrusion

    Action 1.4.1: Maintain dual potable water intakes

    - Timeframe: Ongoing
    - Funding: Local
    - Staff: Existing parish administration

    Action 1.4.2: Acquire bottled water in event of saltwater intrusion

    - Timeframe: As needed

- Funding: local, federal
- Staff: Existing parish administration

Action 1.4.3: Pursue Morganza to the Gulf storm surge protection levee which in turn would reduce the effects of saltwater intrusion

- Timeframe: 1-5 years
- Funding: local, federal
- Staff: Existing parish administration

- **Objective 1.5:** Reduce the effects of Land Subsidence

Action 1.5.1: Pursue coastal protection projects to reduce land subsidence in coastal areas

- Timeframe: Ongoing
- Funding: Local
- Staff: Existing parish administration

Action 1.5.2: Ensure accurate survey points are located throughout the parish to monitor continued subsidence

- Timeframe: Ongoing
- Funding: local, federal
- Staff: Existing parish administration

Action 1.5.3: Monitor agricultural activities and encourage smart farming practices to reduce soil compaction and acceleration of subsidence

- Timeframe: As needed
- Funding: local, federal
- Staff: Existing parish administration

Goal 2: Enhance public awareness and understanding of disaster preparedness

- **Objective 2.1:** Increase public awareness of hazard areas and educate the public on mitigation

Action 2.1.1: Continue to advertise public meetings during the hazard mitigation planning process

- Timeframe: 3-5 years
- Funding: HMGP
- Staff: Parish administrative staff

Goal 3: Reduce repetitive flood losses in the parish

- **Objective 3.1.:** Eliminate threat of flood damage to structures in Terrebonne Parish including storm surge and levee failure

Action 3.1.1: Upgrade current drainage infrastructure (see Attachment c3-1 for locations)

- Timeframe: 1-5 years
- Funding: HMGP
- Staff: Existing designated full-time personnel in public works department

Action 3.1.2: Construct new flood control structures and levees (see Attachment c3-1 for locations)

- Timeframe: 1-10 years
- Funding: local, regional, and federal
- Staff: Existing designated full-time personnel in public works department

Action 3.1.3: Elevate or acquire all RL and SRL structures in Terrebonne Parish (see Attachment c2-29 on page 113)

- Timeframe: 1-10 years, as funding permits
- Funding: HMGP
- Staff: Existing parish administration

Action 3.1.4: 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 parish administration

Action 3.1.5: Flood proof all public buildings vulnerable to flood damage (see Attachment c3-1 for locations)

- Timeframe: 1-5 years, as funding permits
- Funding: HMGP
- Staff: Existing parish administration

Action 3.1.6: Construct Morganza to the Gulf Hurricane Protection Levee which would protect both new and current developments

- Timeframe: 1-10 years, as funding permits
- Funding: local, regional, and federal
- Staff: Existing parish administration

▪ Goal 4: Facilitate sound development in the parish to reduce or eliminate potential impacts of hazards

- **Objective 4.1:** 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 4.1.1: Ensure that future development does not increase hazard losses by enforcing building codes

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

Action 4.1.2: Guide future development away from hazard areas using zoning regulations while maintaining other parish goals such as economic development and improving the quality of life

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

Action 4.1.3: 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: Parish administration

Action 4.1.4: Examine current zoning regulations and determine what new regulations could be passed to reduce the effects of hazards on new buildings and infrastructure

- Timeframe: Ongoing
- Funding: Not additional funds required
- Staff: Parish administration

- **Objective 4.2**: Promote preservation and/or conservation of flood prone areas for parish parks, recreation areas, and general flood plain management

  Action 4.2.1: 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 4.2.2: Continue to participate in the NFIP (including Houma under the Consolidated Government)

  - Timeframe: Ongoing
  - Funding: No additional funds required
  - Staff: Parish administrative staff

  Action 4.2.3: 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 administrative staff

Action 4.2.4: Establish homeowner education program on flood mitigation measures

- Timeframe: Ongoing
- Funding: No additional funds required
- Staff: Parish administrative staff

C. §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.

The Hazard Mitigation Committee has identified several hazard mitigation projects to be included in the parish Hazard Mitigation Plan. The actions presented on the previous pages were categorized to organize priorities by HMGP grant eligibility. Projects not deemed eligible and/or covered in other programs can be located in Attachment c3-1. Potential projects identified included properties and areas that have localized flooding or drainage problems as noted in the Terrebonne Parish Hazard Mitigation Plan (2005). Projects carried over from the HMP (2005) can also be found in Attachment 3-1. Most of the projects from the original plan were not eligible for HMGP funding, but those that were carried forward to project prioritization. The project list reviewed for prioritization also included consideration of repetitive loss (RL) and severe repetitive loss (SRL) properties in the parish.

Prioritization

The parish's mitigation consultants, The Shaw Group, 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, The Shaw Group 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 Terrebonne Parish Project list. The STAPLEE criteria were used to eliminate projects that were not feasible. The Shaw Group then assisted in bringing a preliminary benefit-cost analysis

(BCA) function into the process of ranking projects. The projects with the highest preliminary BCA ratio and the highest local priority were then selected for scoping.

Implementation and Administration

The projects selected for scoping and of the highest local priority are as follows:

Projects to Scope
Wind Hardening -- TPCG Generating Station
Wind Hardening -- Terrebonne Parish General Medical Center
Wind Hardening -- Houma Consolidated Waterworks Treatment Plant
Wind Hardening -- Houma Police Department
Wind Hardening -- Schriever Waterworks Treatment Plant
Wind Hardening -- Government Tower

The project scoping summary reports have been prepared (as presented in separate deliverable to serve as supporting information to assist Terrebonne Parish with future HMGP applications. The scoping process involved completing the following tasks for each aforementioned project:

- Project Scoping Summary Report
- Project Location Diagrams
- Feasibility Analysis
- Preliminary Design and Engineering
- Cost Estimate and Project Schedule
- Environmental/Cultural Resource Consideration
- Benefit-Cost Analysis

A summary of each scoped project can be found below.

Wind Hardening – TPCG Generating Station

The proposed project will include the installation of HanitaTek window film on all windows in the building. The proposed project will reduce future damage from high winds, health and safety risks, clean-up costs, and displacement time. Damages to this building could cause a disruption of service crucial to recovery operations being conducted after a hazard event. The proposed mitigation project will reduce future wind damage by installing window film.

The parish proposes to upgrade the existing windows and glass doors of the building installing HanitaTek SafetyZone 12 mil Security Film for 2,288 square feet of window space. The installation would also entail the sealing of the

window film at the edges with caulk to ensure the most protection for the windows.

Wind Hardening – Terrebonne Parish General Medical Center

The proposed project will include the installation of HanitaTek window film on all windows in the building. The proposed project will reduce future damage from high winds, health and safety risks, clean-up costs, and displacement time. Damages to this building could cause a disruption of crucial emergency services being conducted after a hazard event. The proposed mitigation project will reduce future wind damage by installing window film.

The parish proposes to upgrade the existing windows of the medical atrium installing HanitaTek SafetyZone 12 mil Security Film for 791 square feet of window space. The installation would also entail the sealing of the window film at the edges with caulk to ensure the most protection for the windows.

Wind Hardening – Houma Consolidated Waterworks Treatment Plant

The parish proposes to upgrade the existing windows of the building, which includes (1) 17'-10" x 7ft, (2) 6ft x 7ft, (14) 2'-9"x33'-4", (5) 2'-9"x13ft windows, installing HanitaTek SafetyZone 12 mil Security Film for approximately 541 square feet of window space. The installation would also entail the sealing of the window film at the edges with caulk to ensure the most protection for the windows.

The proposed project will include the installation of HanitaTek window film on all windows of the building. The proposed project will reduce future damage from high winds, health and safety risks, clean-up costs, and displacement time. Damages to this building could cause a disruption of service crucial to recovery operations being conducted after a hazard event.

Wind Hardening – Houma Police Department

The proposed project will include the installation of HanitaTek window film on all windows and glass doors of the building. The proposed project will reduce future damage from high winds, health and safety risks, clean-up costs, and displacement time. Damages to this building could cause a disruption of service crucial to recovery operations being conducted after a hazard event. The proposed mitigation project will reduce future wind damage by installing window film.

The parish proposes to upgrade the existing windows and glass doors of the building installing HanitaTek SafetyZone 12 mil Security Film for 782 square feet of window space. The installation would also entail the sealing of the window film at the edges with caulk to ensure the most protection for the windows.

Wind Hardening – Government Tower

The proposed project will include the installation of HanitaTek window film on windows of the building. The proposed project will reduce future damage from high winds, health and safety risks, clean-up costs, and displacement time. Damages to this building could cause a disruption of service crucial to recovery operations being conducted after a hazard event. The proposed mitigation project will reduce future wind damage by installing window film.

The parish proposes to upgrade existing windows of the building installing HanitaTek SafetyZone 12 mil Security Film for 19,000 square feet of window space. The installation would also entail the sealing of the window film at the edges with caulk to ensure the most protection for the windows.

Wind Hardening – Schriever Water Treatment Plant

The proposed project will include the installation of HanitaTek window film for the windows on the west and south facades of the building, thus reducing future damage from high winds, health and safety risks, clean-up costs, and displacement time. Damages to this building could cause a disruption of service crucial to recovery operations being conducted after a hazard event.

The parish proposes to upgrade the existing windows on the south façade ((2) 4ft x 10ft, (3) 2ft x 8ft, and (2) 3ft x 7ft) and west façade ((2) 2'-6" x 4ft, (10) 4ft x 8ft, and (1) 10"x10" (square pane for the door)) of the building by installing HanitaTek SafetyZone 12 mil Security Film for 510 square feet of window space. The installation would also entail the sealing of the window film at the edges with caulk to ensure the most protection for the windows.

Each project will be financed by future HMGP funds as grant funding permits. Parish government will be responsible for selecting and pursuing all funding opportunities under HMGP.

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 presented in Attachment c3-1, both Houma and the unincorporated areas of Terrebonne Parish have at least one project on the list. As Houma is not an incorporated municipality, the one jurisdiction covered in this plan (Terrebonne Parish) is represented in every action item listed in the previous section.

VI. §201.6 (c)(4) PLAN MAINTENANCE PROCEDURES

VI. §201.6 (c)(4) PLAN MAINTENANCE PROCEDURES

A plan maintenance process that includes:

A. §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.

Terrebonne 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 selected members from municipalities, local agencies, and the Hazard Mitigation Plan Update Committee which prepared the HMPU as included herewith. The HMP Evaluation Committee will consist of the following representation:

1. Terrebonne Parish President
2. Terrebonne Parish Manager
3. Planning and Zoning Director (responsible for overall coordination of HMP maintenance activities)
4. Terrebonne Parish Recovery Planner
5. Terrebonne Parish Director of Public Works
6. Terrebonne Parish OEP director
7. Terrebonne Parish Sheriff
8. Houma Police Department Chief
9. Houma Fire Department Chief

The Parish Planning and Zoning Director will be responsible for contacting each of the committee members during January of every year. Members will have a one month period in which to respond to 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 Parish Planning and Zoning Director or requested by a committee member through Parish Administration.

The Parish Planning and Zoning Director will also be 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 to 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 any new hazard events occurred?
- Has new funding been allotted?
- Have any projects been implemented?
- Have the project priorities changed?
- Are there any 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 (See §201.6 (c)(4)(i)). The Parish Planning and Zoning Director will also be responsible for monitoring the progress of the action items and will report the status of the projects to the HMP Evaluation Committee yearly.

B. §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 Manager, Parish Director of Planning and Zoning, Parish OEP Director, and the Sheriff met to review the relevance of the HMP's risks and vulnerabilities identified, as well as the goals, objectives, and actions for mitigating the risks, and catalogued all said information for use in future updates to the other local planning mechanisms. In addition, at the time such update processes take place, these stakeholders will convene as a committee to review the ongoing relevance of said data and how it can best be utilized in the various planning mechanisms to produce the best possible planning document.

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. During the last five year update cycle, the former hazard mitigation plan's (2006) goals were not incorporated into any other planning mechanisms as no formal plans were prepared. However, the goals and hazard mitigation priorities were also discussed frequently in council meetings at the parish level.

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

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

Responsibility for continued public participation will be that of the Parish Planning and Zoning Director. 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 any 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.