

An aerial photograph of a coastal barrier system, likely a levee or flood wall, extending along a body of water. The barrier consists of several parallel structures, including a main wall with a walkway on top, and various gates and access points. A small boat is visible in the water near the barrier. The surrounding area includes green land and a large body of water.

TERREBONNE PARISH HAZARD MITIGATION PLAN UPDATE 2023

STEERING COMMITTEE MEETING #4
October 28, 2022

Office of Homeland Security and Emergency Preparedness
Presented by: Jamie Caplan and Bill Bohn

Reviewing Existing Mitigation Goals and Objectives



- Introductions and welcome
- Review risk assessment results
- Describe the mitigation strategy
- Review capabilities
- Review existing mitigation goals and objectives
- Consider updating mitigation goals and objectives

Introductions



- Name
- Organization
- Role
- Top three priorities that you would like to see undertaken to reduce risk.

HMP Planning Process



Community Rating System (CRS) Steps



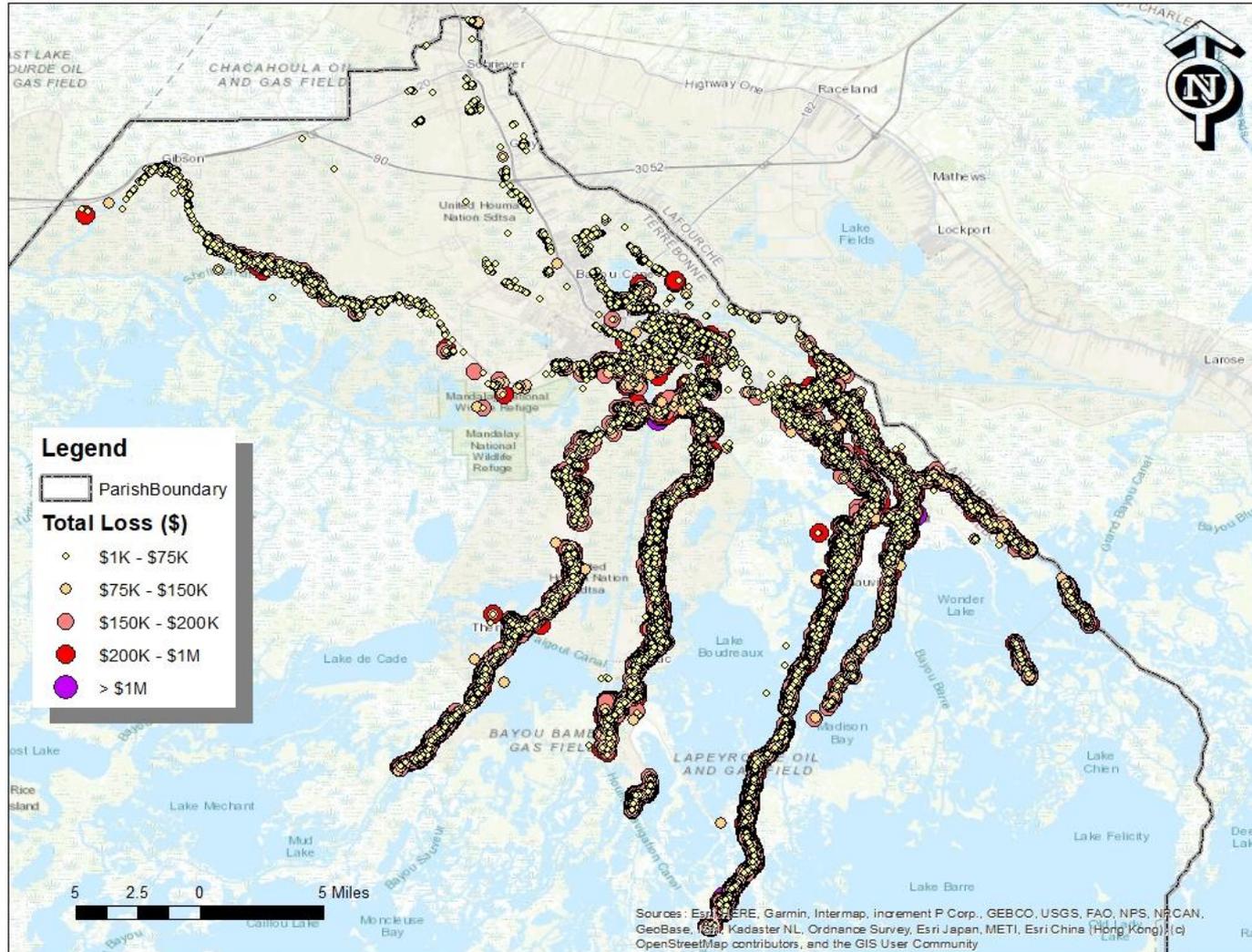
| Mitigation Planning Elements* | CRS Planning Steps** |
|--|--|
| A. Planning Process | 1. Organize to prepare the plan |
| | 2. Involve the public |
| | 3. Coordinate |
| | 10. Implement, evaluate, revise |
| B. Hazard Identification and Risk Assessment | 4. Assess the hazard |
| | 5. Assess the problem |
| C. Mitigation Strategy | 6. Set goals |
| | 7. Review possible activities |
| | 8. Draft an action plan |
| D. Plan Update | 10. Implement, evaluate, revise 5-year update |
| E. Plan Adoption | 9. Adopt the plan |

Hazards Selected



- Flooding
- Levee failure
- Hurricanes and coastal/tropical storms
- Saltwater intrusion
- Tornadoes
- Subsidence
- Coastal erosion
- Lightning
- *Extreme temperatures*

Review Risk Assessment Results



Critical Facility Impacts



| Critical Facility | # Impacted |
|-------------------|------------|
| Police Station | 1 |
| Fire Station | 23 |
| Medical | 1 |
| School | 26 |
| Substations | 10 |
| Water Towers | 15 |
| Assisted Living | 10 |

| Critical Facility | Type | Damage | Depth |
|---|--------------|-------------|-------|
| Montegut Middle & Elementary School | School | >50% Damage | 12' |
| Grand Caillou Elementary | School | >50% Damage | 10' |
| Lacache Middle | School | >50% Damage | 9' |
| Boudreaux Canal Elementary | School | >50% Damage | 9' |
| Point-aux-Chenes Elementary | School | >50% Damage | 8' |
| Lacache Middle | School | >50% Damage | 7' |
| Grand Caillou Middle | School | >50% Damage | 5' |
| Grand Caillou VFD-Dulac Station | Fire Station | >50% Damage | 9' |
| Bayou Dularge VFD-Station 1 | Fire Station | >50% Damage | 9' |
| Montegut/Point-Aux-Chenes VFD-Station 4 | Fire Station | >50% Damage | 8' |
| Little Caillou VFD-Station 3 | Fire Station | >50% Damage | 6' |
| Montegut/Point-Aux-Chenes VFD-Station 2 | Fire Station | >50% Damage | 6' |
| Chabert Medical Center | Medical | ~5% Damage | 2' |

Mitigation Strategy



- Capability Assessment
 - Existing authorities, policies, programs and resources and your ability to improve these
 - NFIP participation and compliance
- Mitigation Strategy
 - Goals to reduce hazards
 - Range of mitigation actions with a focus on new and existing buildings and infrastructure
 - Plan to implement actions including prioritization order

Capability Assessment



- Planning and regulatory capabilities
- Administrative and technical capabilities
- Financial capabilities
- Education and outreach capabilities

Goals



- Goals must reduce the risk of the identified hazards.
- Goals are broad, long-term policy and vision statements that explain what is to be achieved by implementing the mitigation strategy.

Previous Goals



- Goal 1: Identify and pursue preventive measures that will reduce future damages from hazards.
- Goal 2: Enhance public awareness, public education, 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.
- Goal 5: Assess the feasibility of setting a uniform standard of protection incorporated into all drainage, development and mitigation activities.

Goal Statement Revisions



1. Identify and pursue preventive measures that will reduce future damages from hazards.
2. Enhance public awareness, public education, and understanding of disaster preparedness.
3. Reduce repetitive flood losses in the parish.
4. Facilitate sound development in the parish to reduce or eliminate the potential impact of hazards.
5. Assess the feasibility of setting a uniform standard of protection incorporated into all drainage, development and mitigation activities.

Should we add?

- Save Lives
- Save Property
- Natural Hazards
- Climate Change
- Land Use Regulations

Should we remove or Replace?

- Preparedness
- Sound Development – Best Practices
- Drainage, Development, & Mitigation – Structure and Infrastructure Projects

Objectives



- Detailed statements of direction that indicate what is necessary and important to achieve.

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



- 1.1: Ensure existing structures are structurally sound to endure hurricane-force winds
- 1.2: Ensure all citizens and employees of Terrebonne Parish are safe from high winds (hurricanes and tornado related)
- 1.3: Ensure all first responders are adequately equipped to respond to a storm event
- 1.4: Protect citizens from saltwater intrusion
- 1.5: Reduce the effects of Land Subsidence
- 1.6: Protect historic and cultural resources, such as cemeteries and gathering places from all hazards
- 1.7: Protect critical facilities from lightning strikes
- 1.8: Protect citizens from sinkholes

12 Actions

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



- 2.1: Increase public awareness of hazard areas and educate the public on mitigation through existing channels and organizations and their memberships

13 Actions

Goal 3: Reduce repetitive flood losses in the parish.



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

9 Actions

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



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

10 Actions

Goal 5: Assess the feasibility of setting a uniform standard of protection incorporated into all drainage, development and mitigation activities



- Assess the feasibility of setting a uniform standard of protection incorporated into all drainage, development and mitigation activities

3 Actions