



**US Army Corps of Engineers**  
**New Orleans District**



# **Donaldsonville to the Gulf of Mexico**

## **Town of Lafitte Flood Risk Reduction Workshop**

**Mr. Durund Elzey, Senior Project Manager**

**Mar. 24, 2009**

**Alario Center**

***BUILDING STRONG***<sup>SM</sup>



# Agenda

- I. **Welcome** — Mayor Tim Kerner
- II. **Overview of Donaldsonville to the Gulf of Mexico Project** — Durund Elzey
- III. **Overview of alternatives under consideration** — Durund Elzey
- IV. **Discussion of preferences** — Jim Taylor



# Meeting Purpose

- **Provide information on flood damage risk reduction projects that impact residents and businesses in Barataria, Lafitte, Crown Point and other areas of lower Jefferson Parish**
- **Incorporate feedback into development of the Donaldsonville to the Gulf of Mexico Feasibility Study**



# Initial Brainstorming

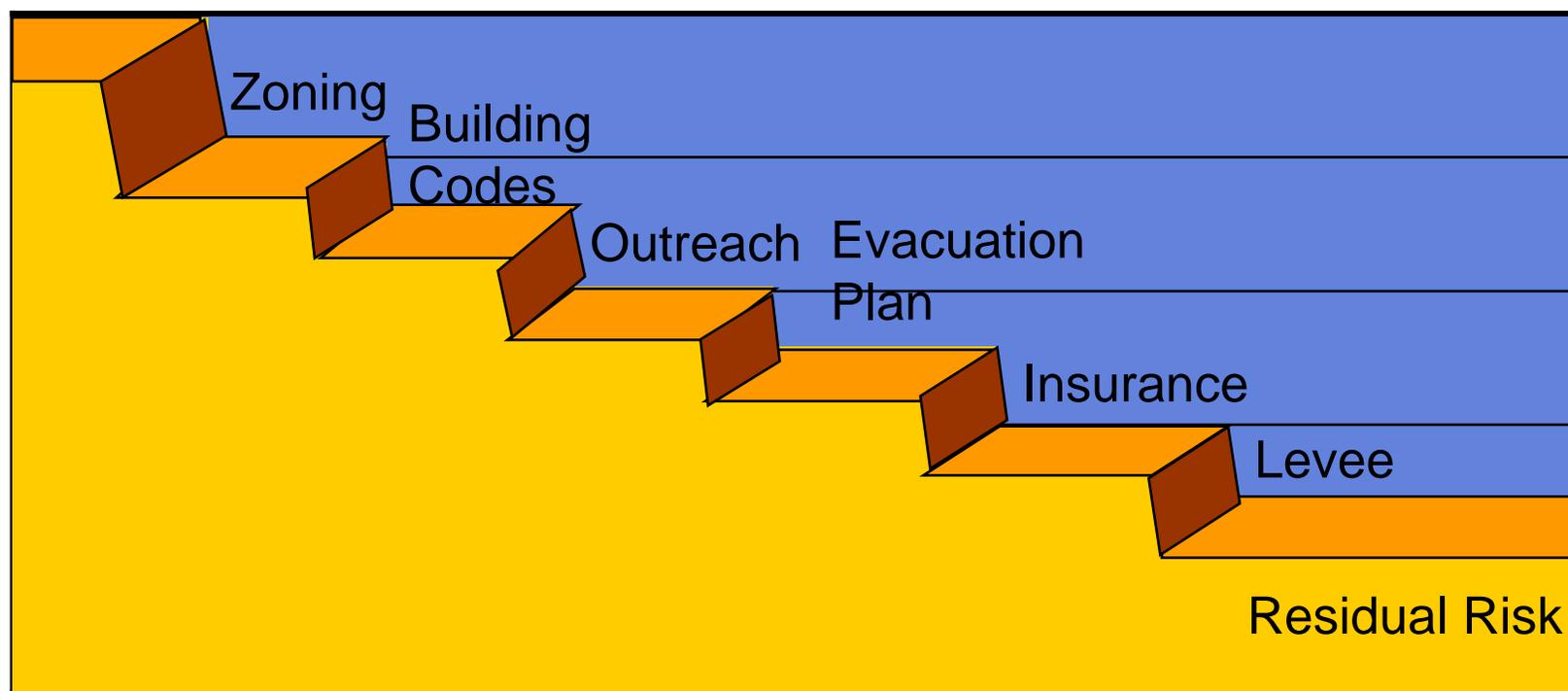
- What are your expectations of the Corps?
- What factors should determine flood damage risk reduction?
- What are the most important factors?
- What would make you feel safer?
- What are your expectations of this meeting?



# Buying Down Risk

All stakeholders contribute to reducing risk!

Initial Risk



Risk Reduction Tools  
(Cumulative)



# Donaldsonville to the Gulf of Mexico

- Draft Feasibility study/Draft Environmental Impact Statement are currently 60 percent complete
- Study area includes portions of Ascension, Assumption, St. James, St. John the Baptist, Lafourche, St. Charles, Jefferson, Orleans, and Plaquemines parishes
- Project partners include:
  - Lafourche Basin Levee District
  - State of Louisiana, Office of Coastal Protection and Restoration





# Donaldsonville to the Gulf of Mexico

- **Cost share is 50 percent Federal and 50 percent non-Federal (approx \$10 million)**
- **Study purpose:**
  - **Reduce risk of storm surge**
  - **Reduce damages from intense rainfall events in the study area (interior drainage)**
  - **Identify opportunities to improve navigation, wildlife habitat, wetland areas and recreation**



The Donaldsonville to the Gulf of Mexico project would reduce the risk of flood damage to several south Louisiana communities including Des Allemands, pictured above.



# Donaldsonville to the Gulf of Mexico

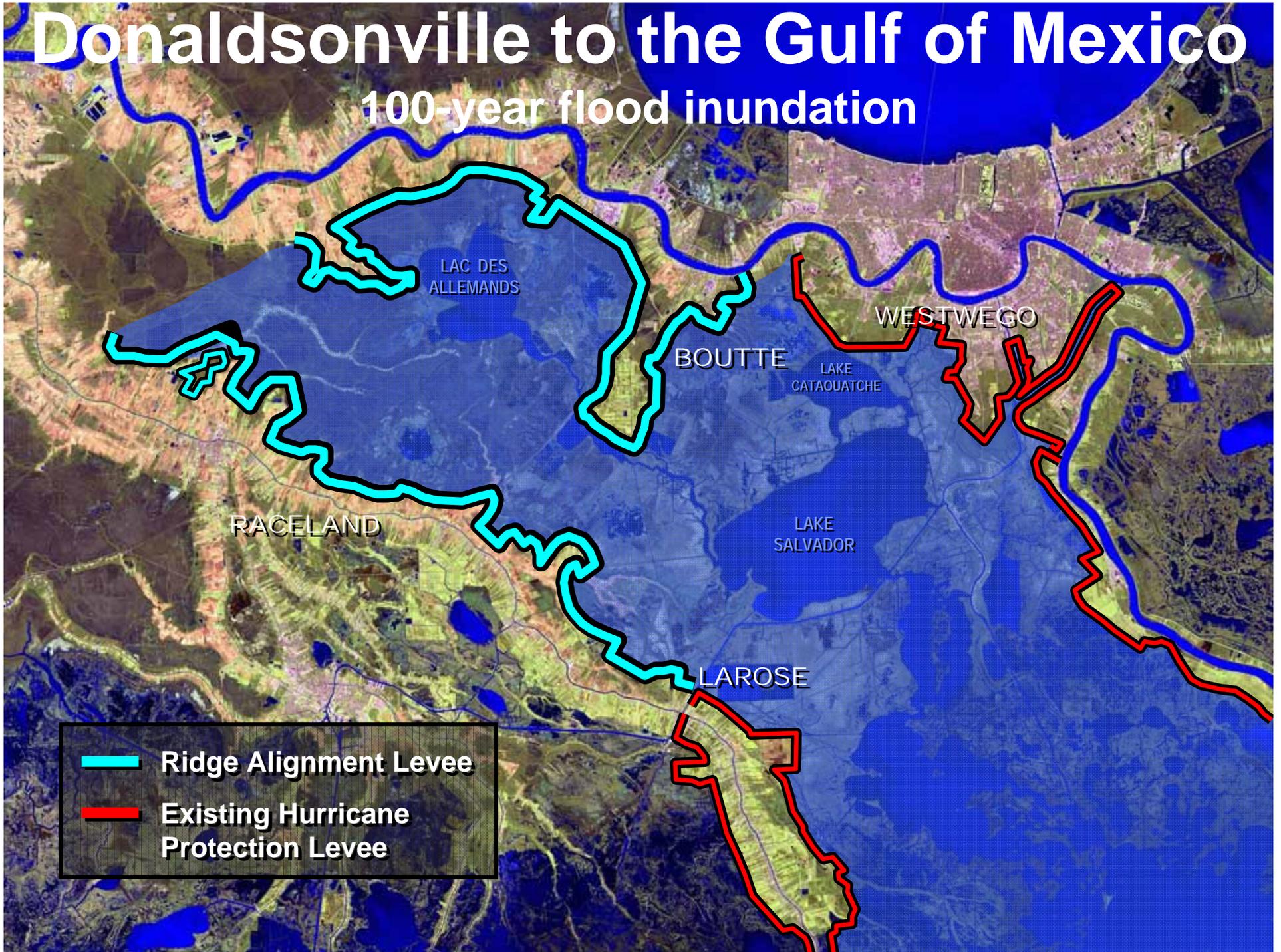
- Study is being coordinated with Lafourche Basin Levee District and State of Louisiana, Office of Coastal Protection and Restoration
- Five alignments under consideration (and No Action)
- Draft Feasibility Study/Draft Environmental Impact Statement anticipated in late winter 2009
- Final Feasibility Study/Final Environmental Impact Statement anticipated in spring 2010



Typical view of populated ridge landscape in the Donaldsonville study area.

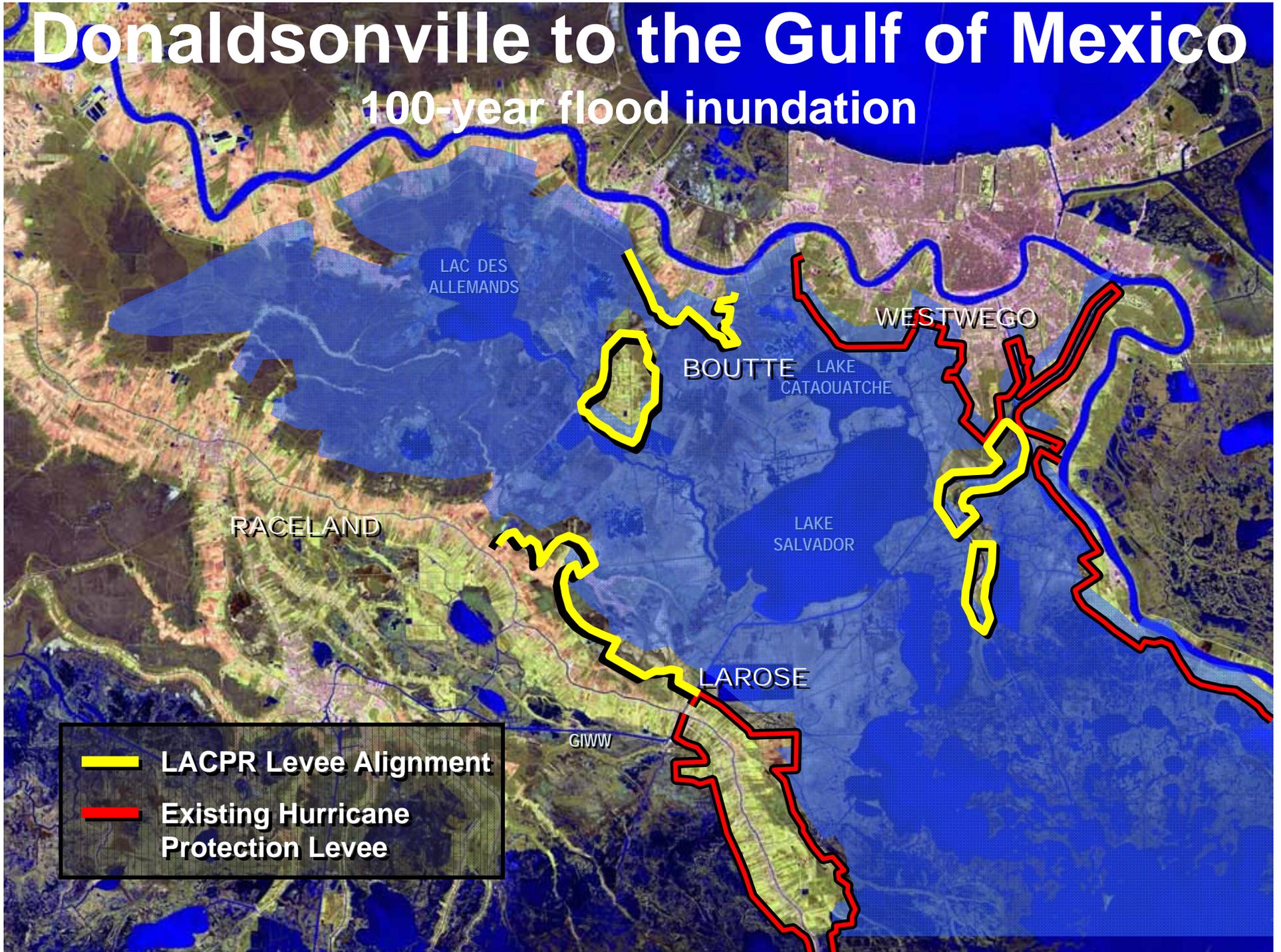
# Donaldsonville to the Gulf of Mexico

100-year flood inundation



# Donaldsonville to the Gulf of Mexico

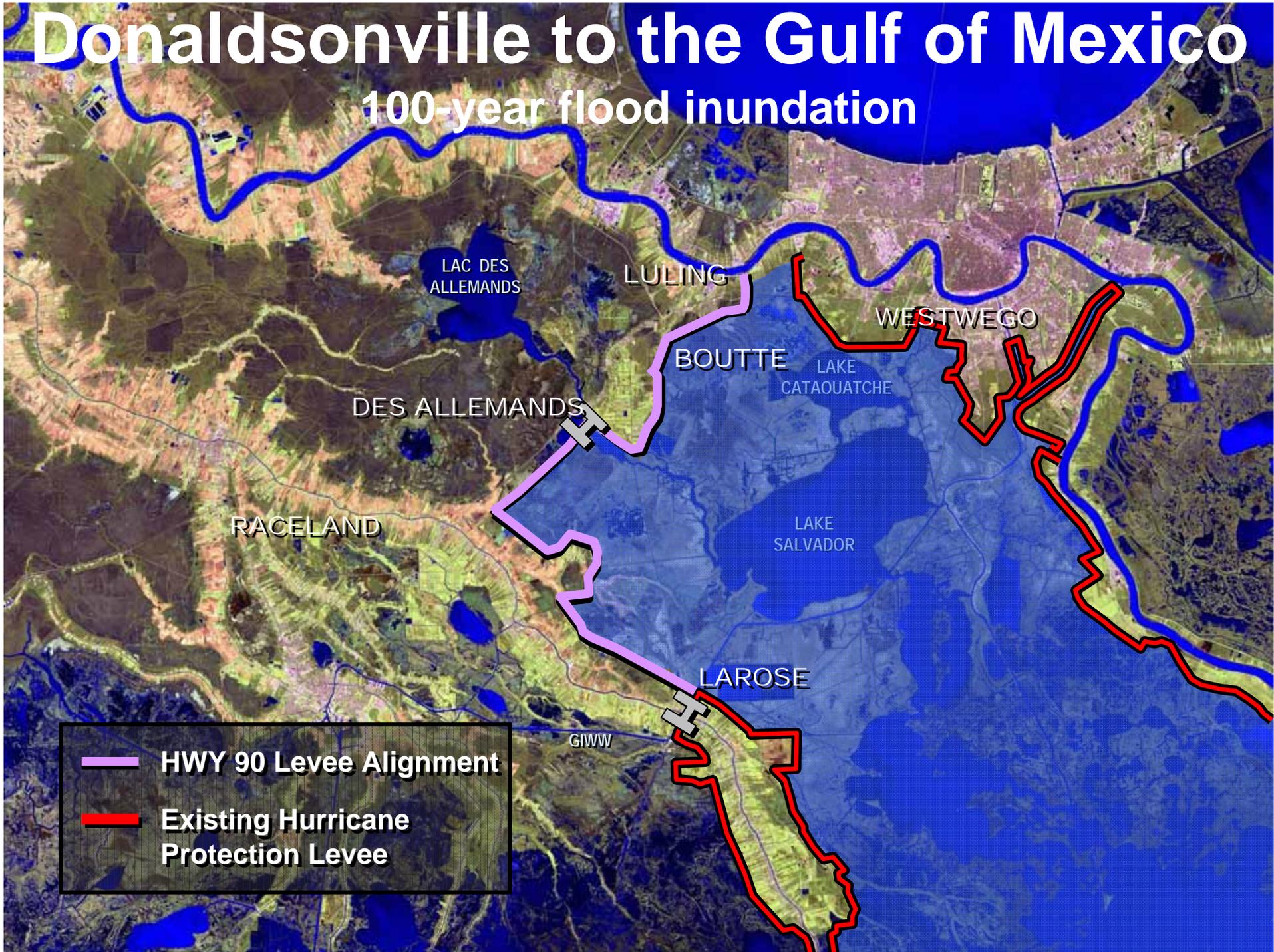
100-year flood inundation



**— LACPR Levee Alignment**  
**— Existing Hurricane Protection Levee**

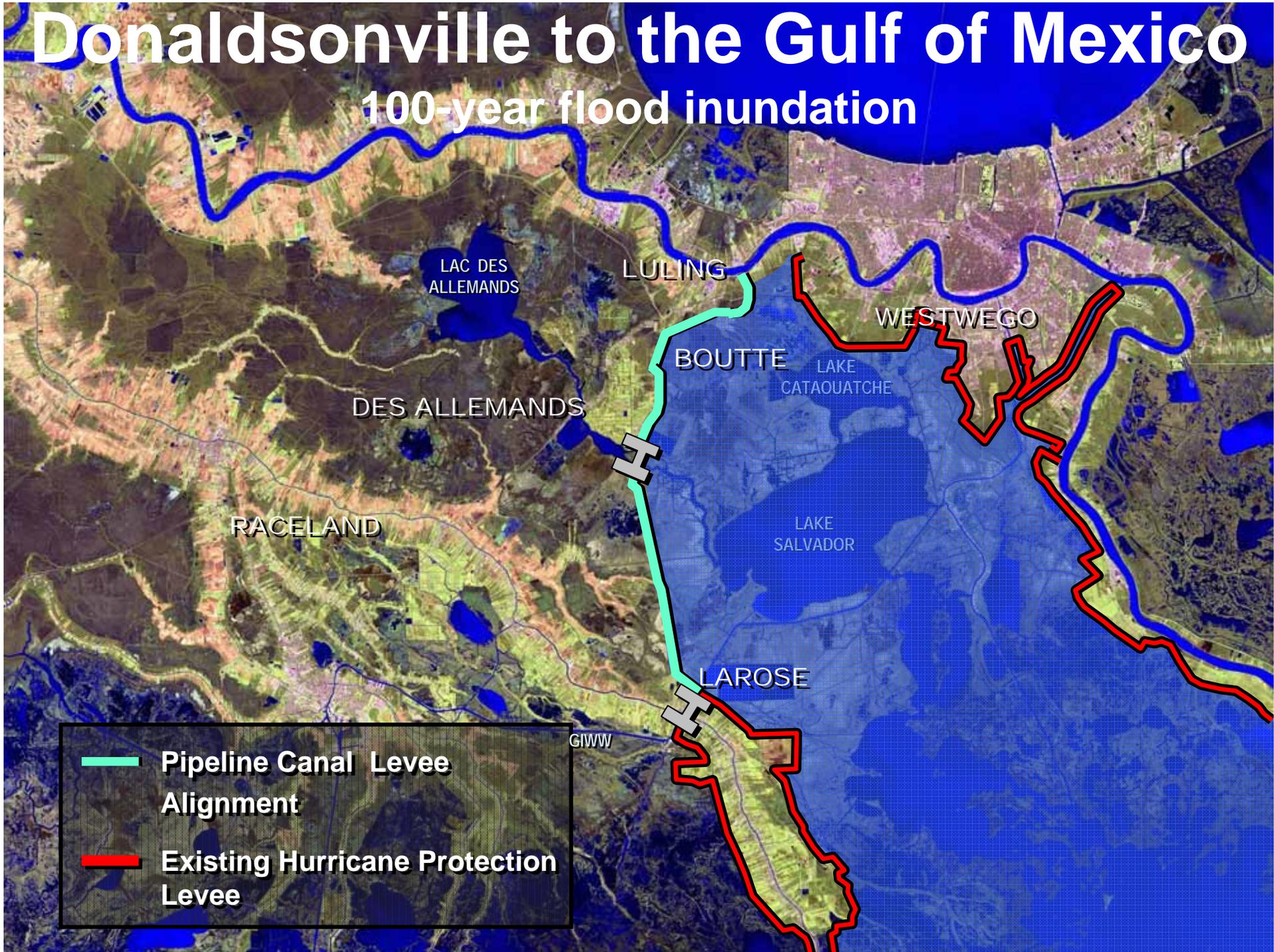
# Donaldsonville to the Gulf of Mexico

## 100-year flood inundation



# Donaldsonville to the Gulf of Mexico

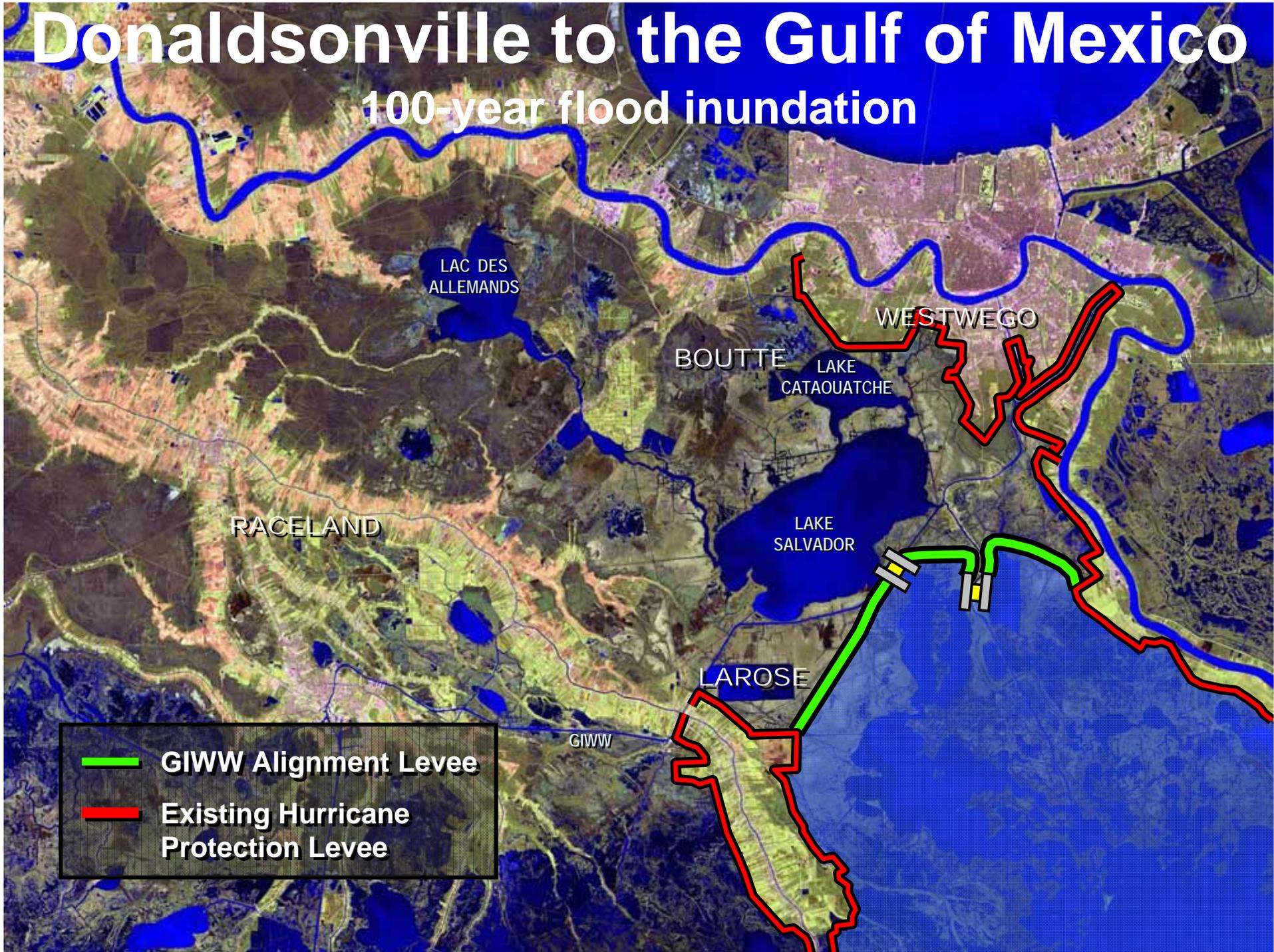
## 100-year flood inundation



-  Pipeline Canal Levee Alignment
-  Existing Hurricane Protection Levee

# Donaldsonville to the Gulf of Mexico

## 100-year flood inundation

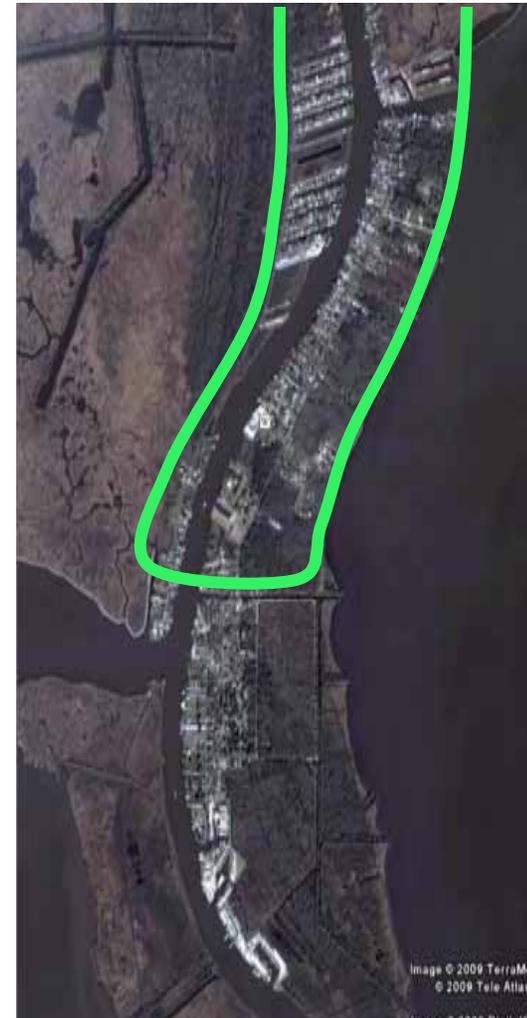


-  GIWW Alignment Levee
-  Existing Hurricane Protection Levee



# Gulf Intracoastal Waterway Alignment

- Alignment is being evaluated in the Donaldsonville to the Gulf Feasibility Study and Environmental Impact Statement
- Would reduce risk for Barataria, Lafitte, Crown Point and other areas of lower Jefferson Parish
- Would reduce risk to residents and businesses
- Could impact cultural resources
- Includes three sub-alternatives

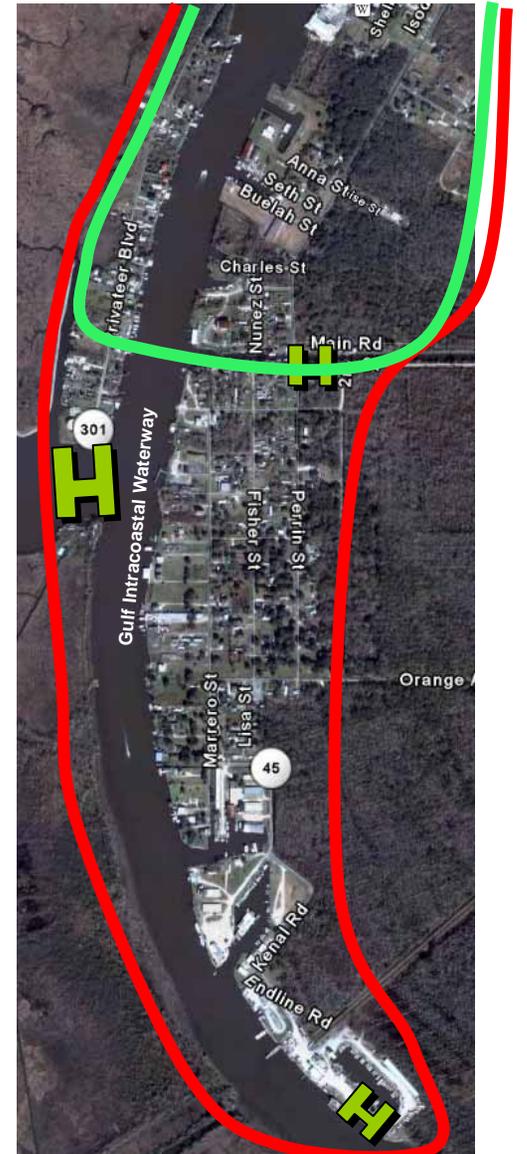




# Lafitte to Crown Point

## Sub-Alternative 1

- Includes earthen levees and floodwalls
- Would be built to elevation +16
- Potential real estate implications
- Includes three navigable gates as shown
- Cost estimates are in progress



Note – scale of image differs than previous image

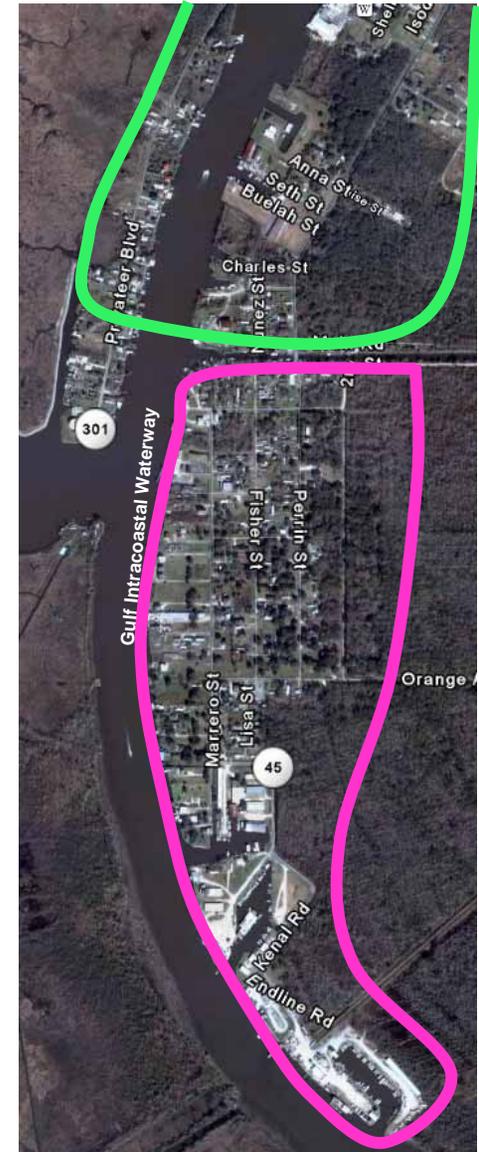


# Lafitte to Crown Point

## Sub-Alternative 2

- Includes earthen levees and floodwalls
- Would be built to elevation +16
- Potential real estate implications
- Does not include navigable crossing(s)
- Cost estimates in progress

Note - This sub-alternative can be a part of any of the structural alternatives being evaluated in the study.





# Lafitte to Crown Point

## Sub-Alternative 3

- Analyzes feasibility of implementing Non-Structural Measures such as:
  - Not constructing levees or floodwalls
  - Elevating structures on piles or fill
  - Relocating or elevating utilities
  - Installing water-resistant materials to structures
  - Installing a pump system
  - Relocating structures
- Cost estimates in progress



Note - This sub-alternative can be a part of any of the structural alternatives being evaluated in the study.



# Feedback

- What's the best feature of Sub-Alternative 1?
- What's your greatest concern about Sub-Alternative 1?
- What's the best feature of Sub-Alternative 2?
- What's your greatest concern about Sub-Alternative 2?
- What's the best feature of Sub-Alternative 3?
- What's your greatest concern about Sub-Alternative 3?
- Which sub-alternative do you prefer? Why?
- Which alternative is least preferable? Why?
- Do you still have concerns? What are they?



# Opportunities for Input

- Offer verbal comments tonight
- Complete a written questionnaire
- Mail comments to:  
US Army Corps of Engineers  
Public Affairs  
c/o Donaldsonville to the Gulf  
PO Box 60267  
New Orleans, LA 70160
- Submit comments via e-mail:  
[Donaldsonville@usace.army.mil](mailto:Donaldsonville@usace.army.mil)



# US Army Corps of Engineers New Orleans District



## Resources

[www.nolaenvironmental.gov](http://www.nolaenvironmental.gov)

<http://www.mvn.usace.army.mil>

**NOLA Environmental**  
NEW ORLEANS, LOUISIANA  
Environmental Compliance Data Bank  
www.nolaenvironmental.gov

PROJECTS MEETINGS LIBRARY DATA VIEWER GET INVOLVED RELATED LINKS

Welcome to NOLA Environmental! This site has been set up to share with the public the efforts being made by the U.S. Army Corps of Engineers and other federal and state agencies in south Louisiana regarding the environmental compliance for proposed federal and state Hurricane Risk Reduction Projects. Additional information pertaining to other federal and state agencies' hurricane recovery efforts in southeast Louisiana will also be posted on the site as it becomes available. Learn more...

### Announcements

- The Decision Record for [IER 4](#) has been signed by the District Commander (March 19, 2009)
- [IER 16 Western Tie-In 404 \(b\)\(1\) public notice Comment](#) Period 2/23 - 3/25
- The Decision Record for [IER 12](#) has been signed by the District Commander (February 16, 2009)

**Upcoming**

- 03/24/2009 - Donaldsonville to the Gulf Town of Lafitte Flood Risk Reduction Workshop
- 03/25/2009 - Public Meeting (Company Canal)

**Newly Available**

**NEW** - NOLA Environmental Basic Data Viewer

- Final IER 4 LPV, New Orleans Lakefront Levee, West of Inner Harbor Navigational Canal
- News Release 19 March 09 IER 4 Decision Record

**FEATURED PROJECT**

USACE-MVN Emergency Alternative Arrangements Greater New Orleans Hurricane and Storm Damage Risk Reduction System Projects

U.S. Army Corps of Engineers New Orleans District  
Microsoft Internet Explorer provided by USACE, New Orleans District

US Army Corps of Engineers  
New Orleans District

**Floodwalls**  
Building them bigger, stronger, better. The U.S. Army Corps of Engineers is continuing to work expeditiously to complete the Hurricane and Storm Damage Risk Reduction System (HSDRRS) by 2012. To this end, the Corps is using innovative means learned to construct more resilient levees and floodwalls.

**Public Information**

**Hurricane & Flood Risk Reduction**  
Learn more about what the Corps is doing to reduce risk.

**Featured Video**

**West Orleans Complex**  
Learn more about the alternatives under consideration to reduce risk on the Westbank, March 23.

**Hurricane & Storm Damage Risk Reduction System**  
From levees to pumping stations, find out more about system features.

**TOP HEADLINES**

**ASK THE CORPS**

**FEATURED VIDEOS**

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