

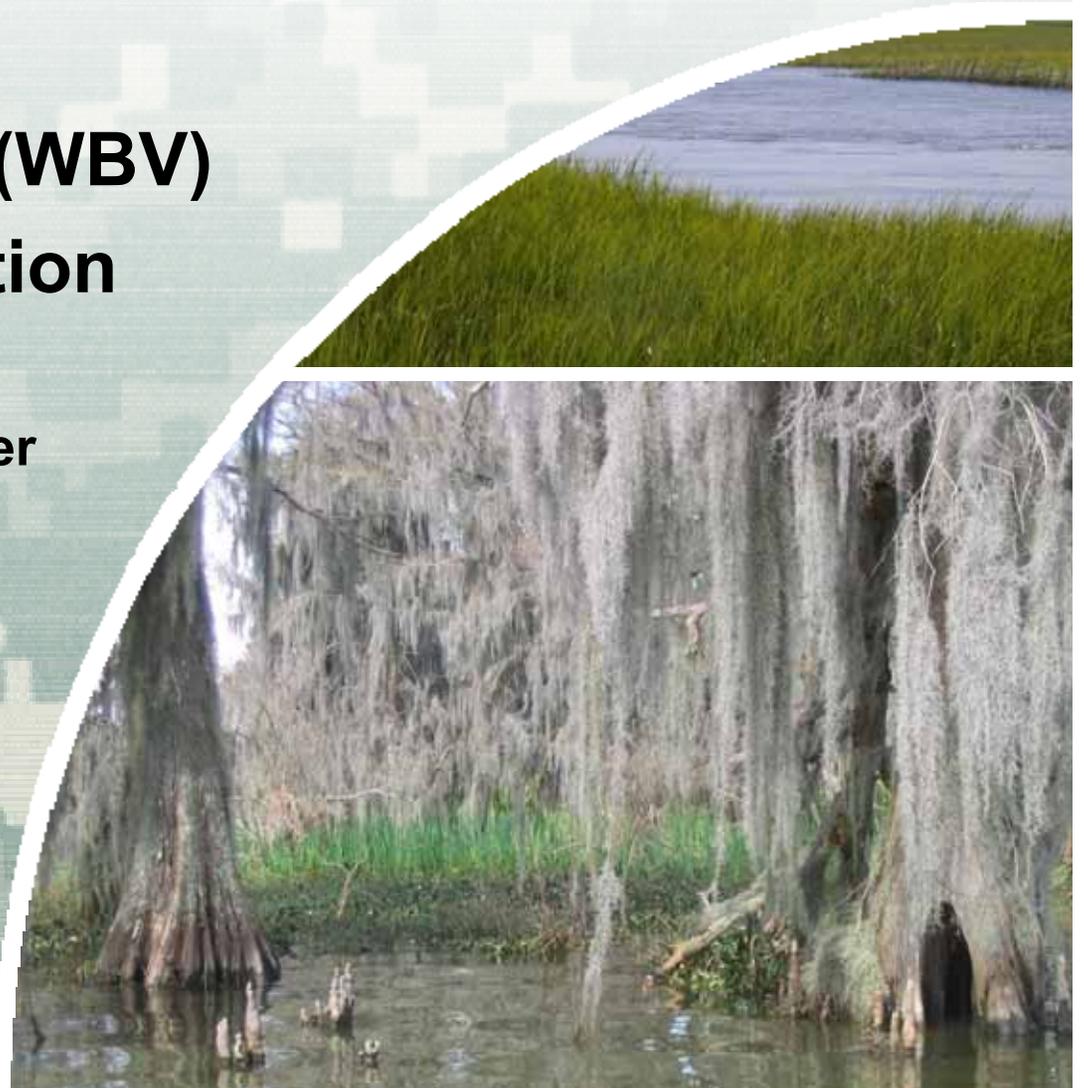
# Greater New Orleans Hurricane and Storm Damage Risk Reduction System (HSDRRS)

## West Bank & Vicinity (WBV) Environmental Mitigation

Westwego Tassin Senior Center  
Westwego, LA  
December 9, 2010



US Army Corps of Engineers  
**BUILDING STRONG**<sup>®</sup>

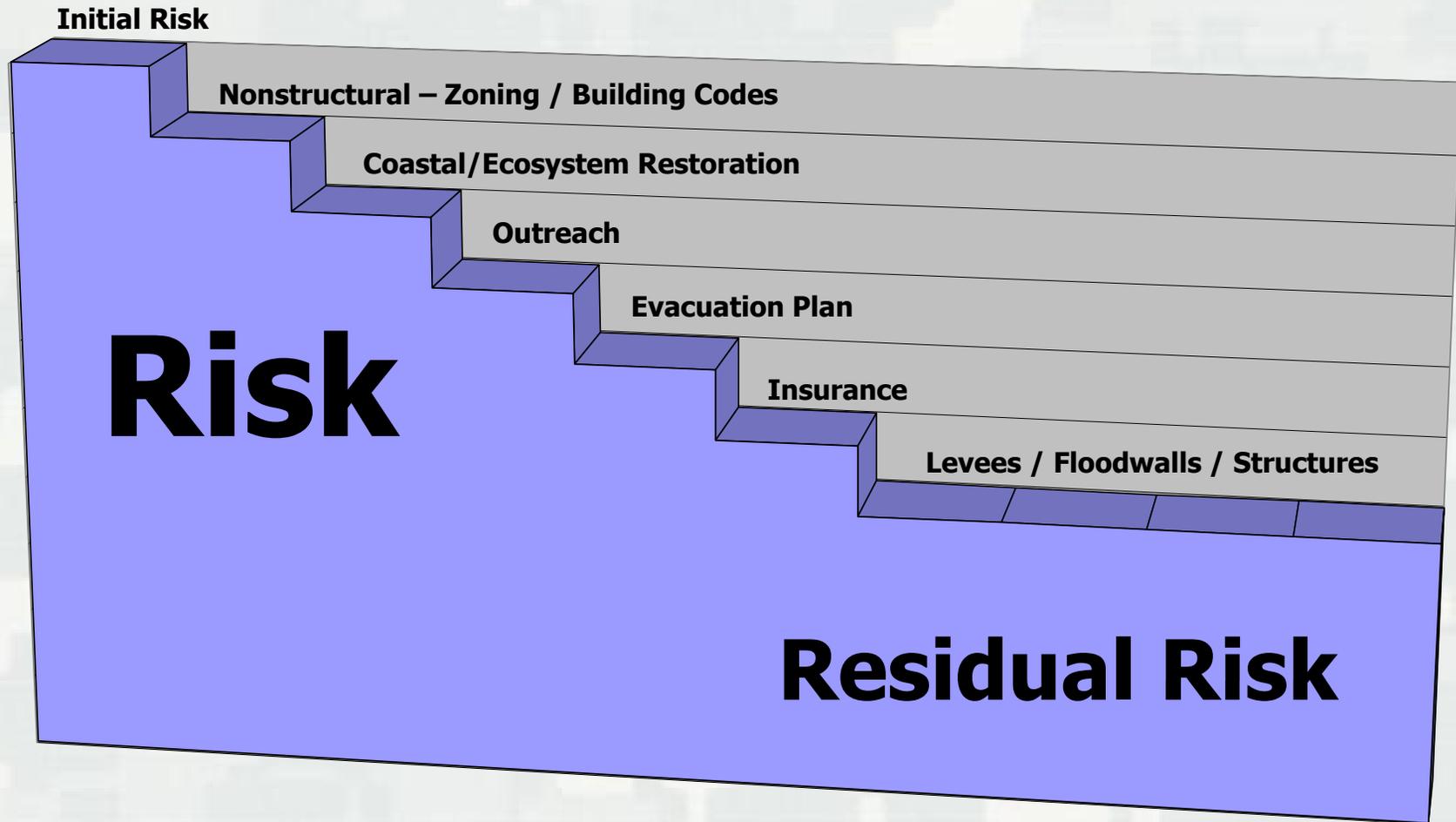


# Meeting Agenda

- Discuss Mitigation Program Objectives
- Review Mitigation Project Status
- Review Construction Status of Bayou Segnette Projects
- Discuss Proposed Refinements to Lake Cataouatche Levee
- Break-Out / Feedback Session



# Risk – Shared Responsibility



# National Environmental Policy Act (NEPA)

- Alternatives for all major federal actions must be analyzed
- Impacts to the human and natural environment are quantified
- Impacts are discussed in environmental documents
- Public Involvement is KEY. We want to hear from you!





# Environmental Mitigation

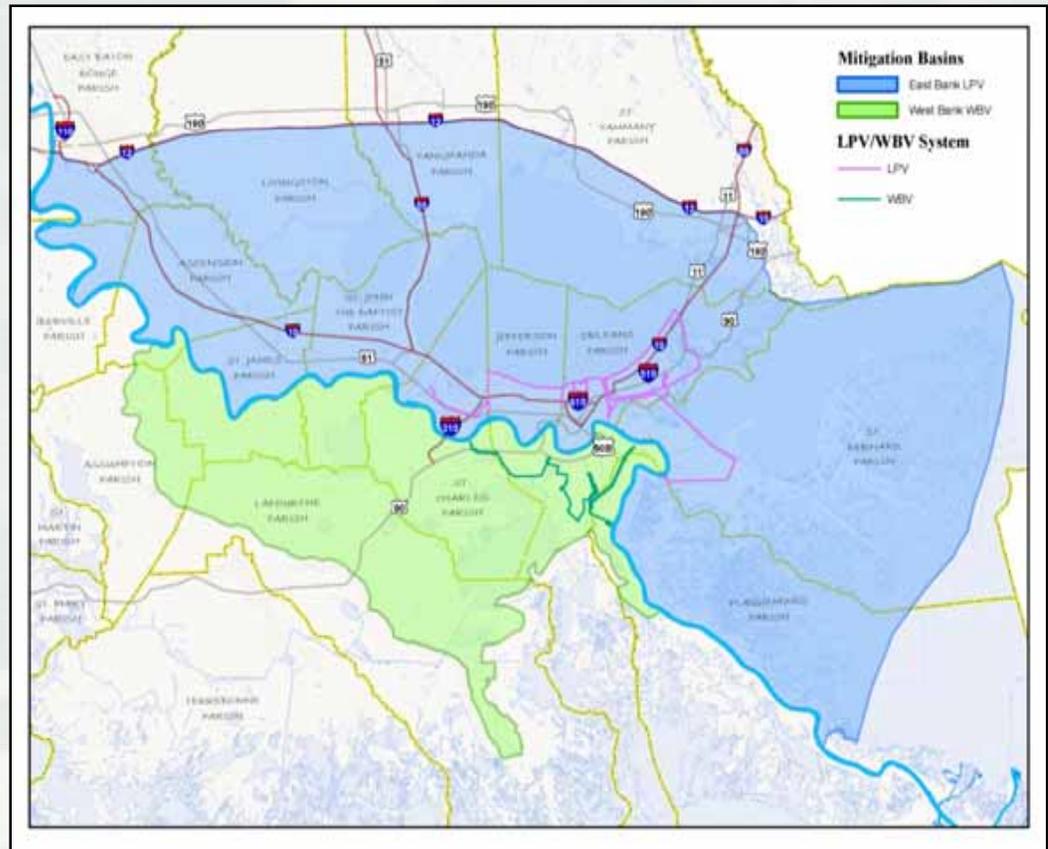
- Avoid impacts to natural resources
- Minimize impacts to the greatest extent possible
- Compensate for unavoidable impacts
- Mitigation plans will be discussed in environmental documents
- Mitigation is fully funded



# WBV Mitigation Policies

## Generally, mitigation would occur:

- As close as possible to the impact area
- Within the same hydrologic basin (Barataria)
- Within same habitat type
  - Bottomland hardwood
  - Swamp
  - Fresh marsh



# WBV Affected Habitats



Bottomland Hardwoods Wet



Bottomland Hardwoods Dry



Swamp



Fresh Marsh



# Total WBV Impacts

## West Bank & Vicinity Projects

Original Construction and HSDRRS – Current Working Estimate

Habitat Type	Quantity (acres)	Quality (AAHUs*)
Bottomland Hardwood Wet	1,966	1,105
Bottomland Hardwood Dry	30	11
Swamp	205	125
Fresh Marsh	148	74
<b>Total</b>	<b>2,349</b>	<b>1,315</b>

\*AAHU (Average Annual Habitat Unit) is a numerical value representing the quality of a habitat



# WBV Initial Screening Criteria

- Compliance with laws, regulations and policies
- Avoid Hazardous Toxic and Radioactive Waste
- Within WBV Mitigation Basin (Barataria)
- Must address 100% of mitigation need in kind by habitat type
- Technically viable (e.g. correct salinity)

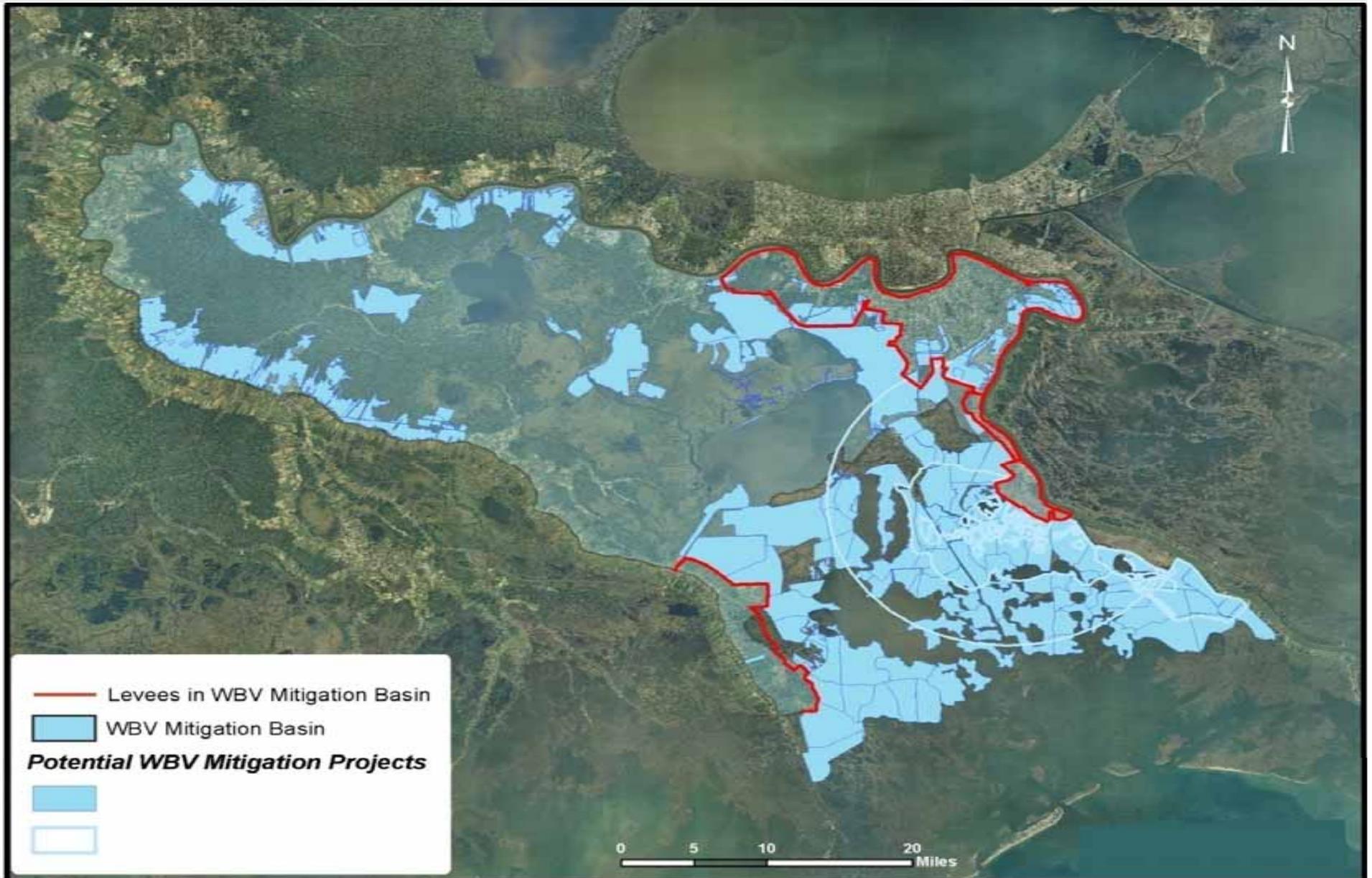


# WBV Initial Screening Criteria

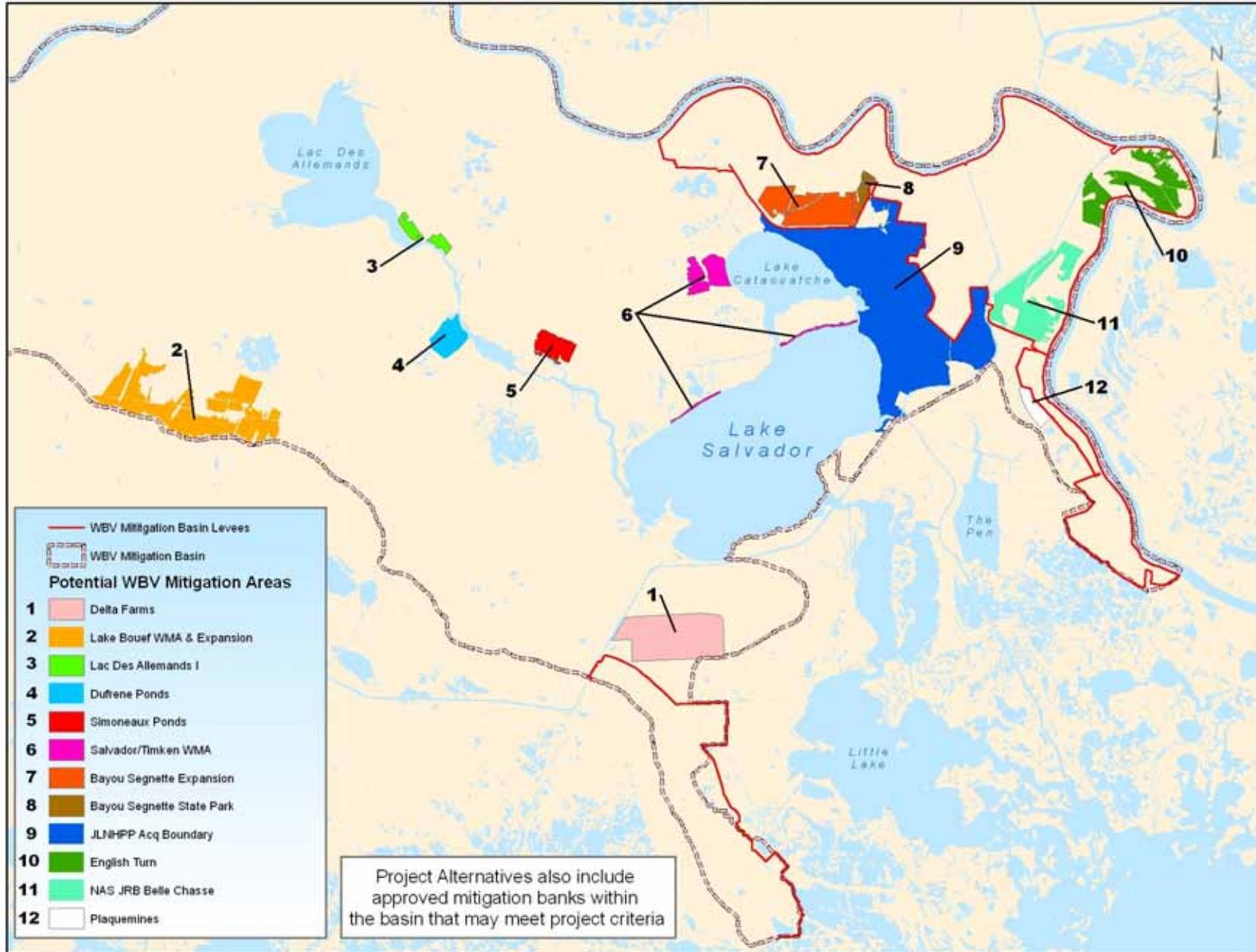
- No conflicts with other projects constructed or planned for construction
- Not dependent upon another project
- Can be adjusted to meet mitigation requirement only
- Addresses multiple mitigation requirements in one project area
- Addresses opportunities to expand existing resource-managed areas



# West Bank Projects Considered



# WBV Initial Screening Results



# Mitigation Tentative Timeline

Initiated Study	May 2010	(Completed)
5 Scoping Meetings	May 2010	(Completed)
Initial Screening of Measures	Sep 2010	(Completed)
Project Status Public Meetings	Dec 2010	
Refine Measures	Apr 2011	
Assemble Alternative Plans	Jun 2011	
Identify Proposed Action	Aug 2011	
Release Individual Environmental Reports	Jan 2012	
Division Approval of Mitigation Plan	Jan 2012	
Final Design of Mitigation Projects	Jun 2012	
Start Real Estate Acquisition	Jun 2012	
Issue Construction Contract	Jun 2013	
Transfer Project to Non-Federal Sponsor	Post-Construction	



# Greater New Orleans Hurricane & Storm Damage Risk Reduction System

## Bayou Segnette Projects and Lake Cataouatche Levee Construction Update



US Army Corps of Engineers  
**BUILDING STRONG**<sup>®</sup>



# West Bank Hurricane & Storm Damage Risk Reduction System



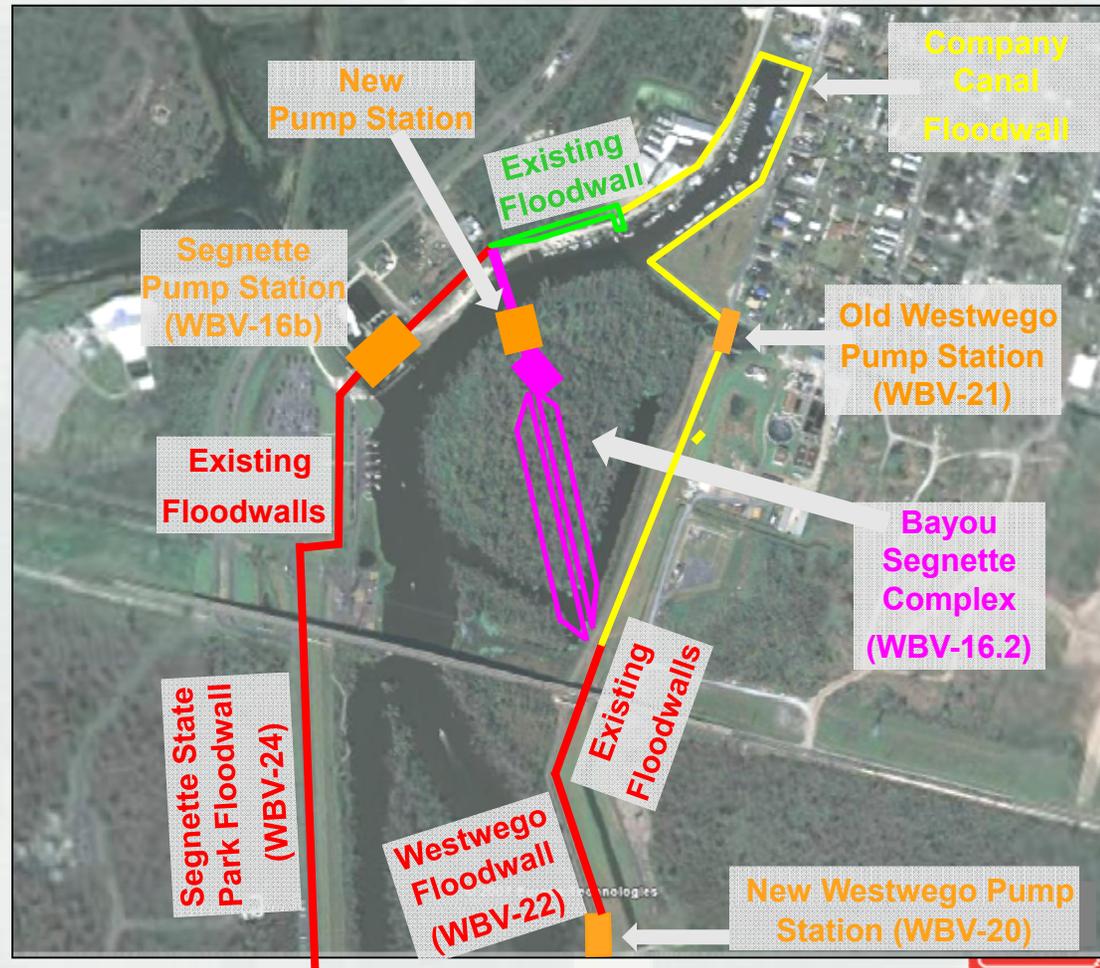
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# Bayou Segnette Complex

- Construction began in October 2009
- All six contracts awarded

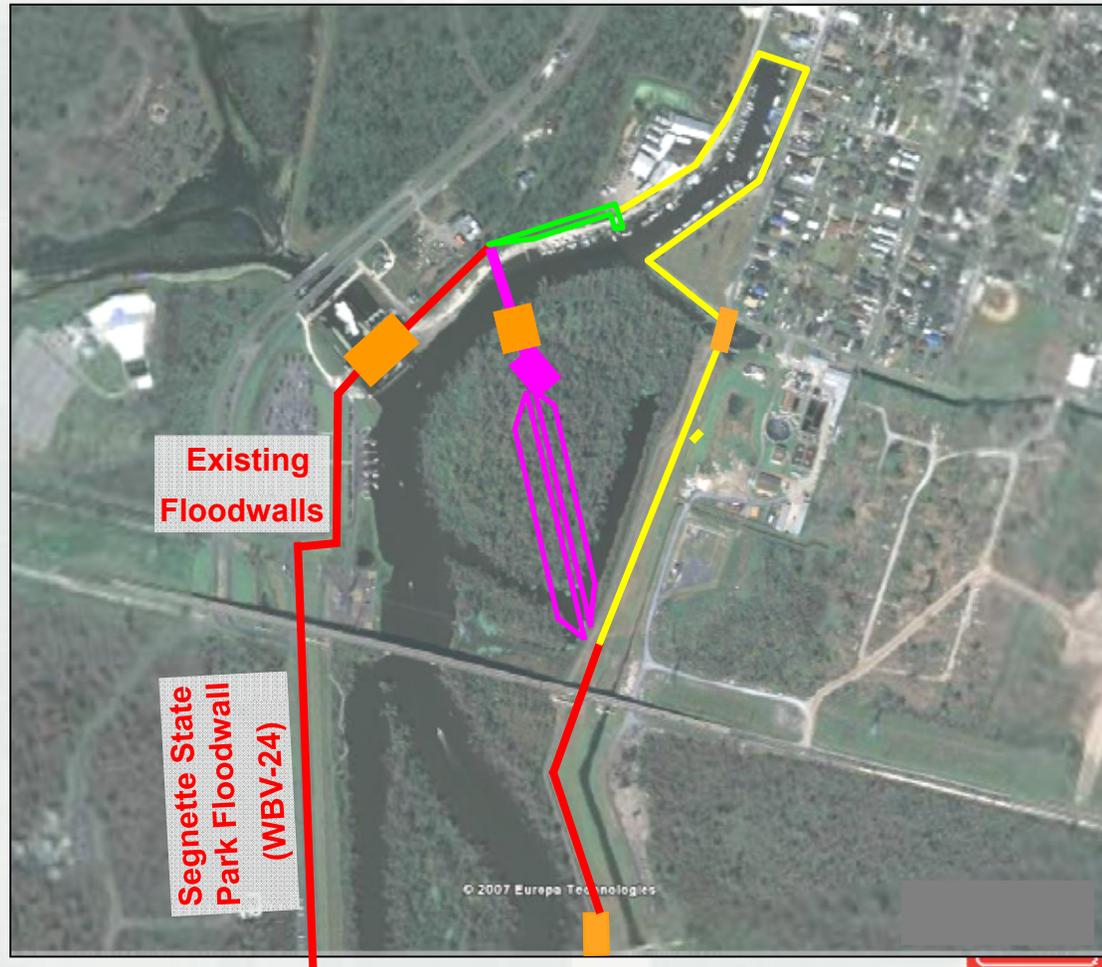
## Plan is to:

- Raise to elevation 14 ft.
- Eliminate the Company Canal Floodwall from the Hurricane and Storm Damage Risk Reduction System
- Construct a navigable Sector Gate, a Pump Station and replace floodwalls



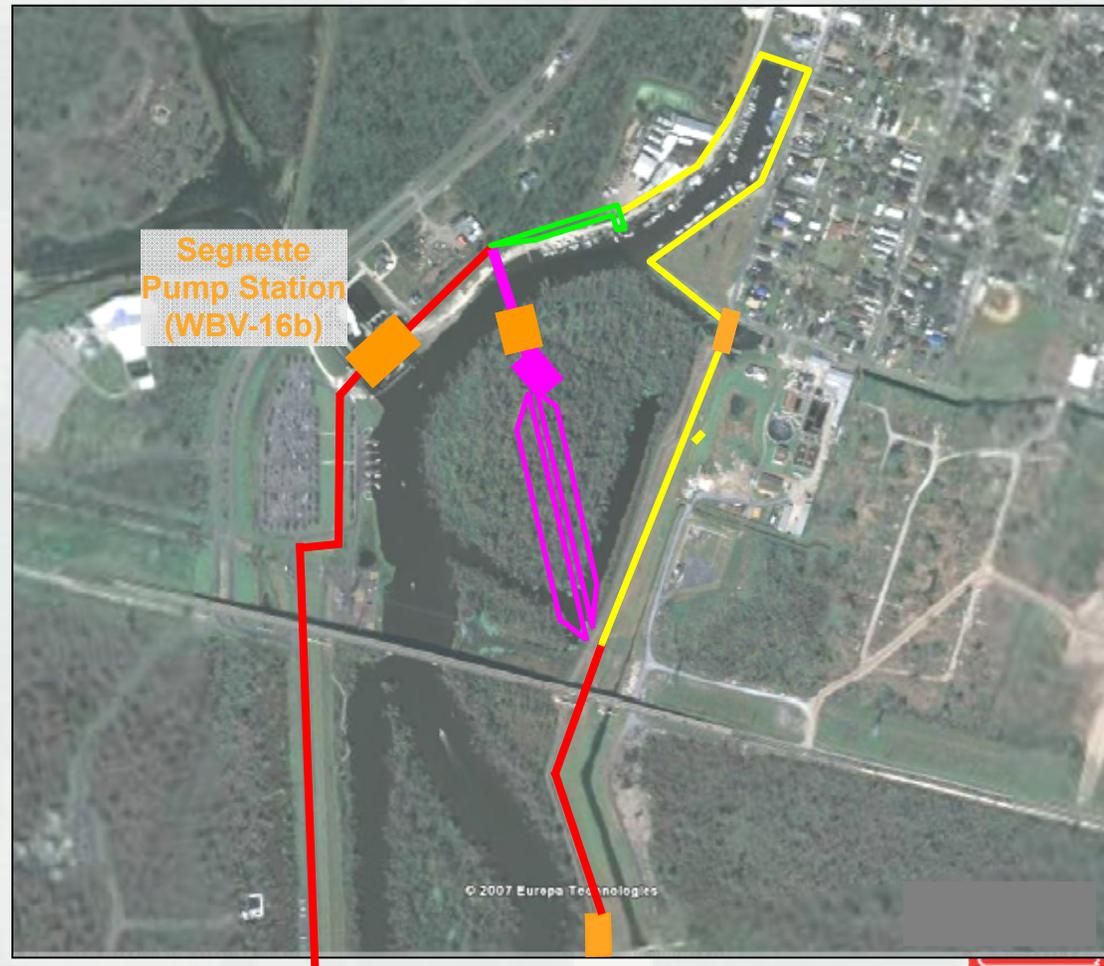
# Segnette State Park Floodwall (WBV-24)

- Award Date:  
Dec. 23, 2009
- Contractor:  
David Boland, Inc.
- Award Amount:  
\$20.9M
- Status:  
43% completed



# Segnette Pump Station Fronting Protection (WBV-16b)

- Award Date:  
Jan. 25, 2010
- Contractor:  
M.R. Pittman  
Group, LLC
- Award Amount:  
\$19.6M
- Status:  
47% completed

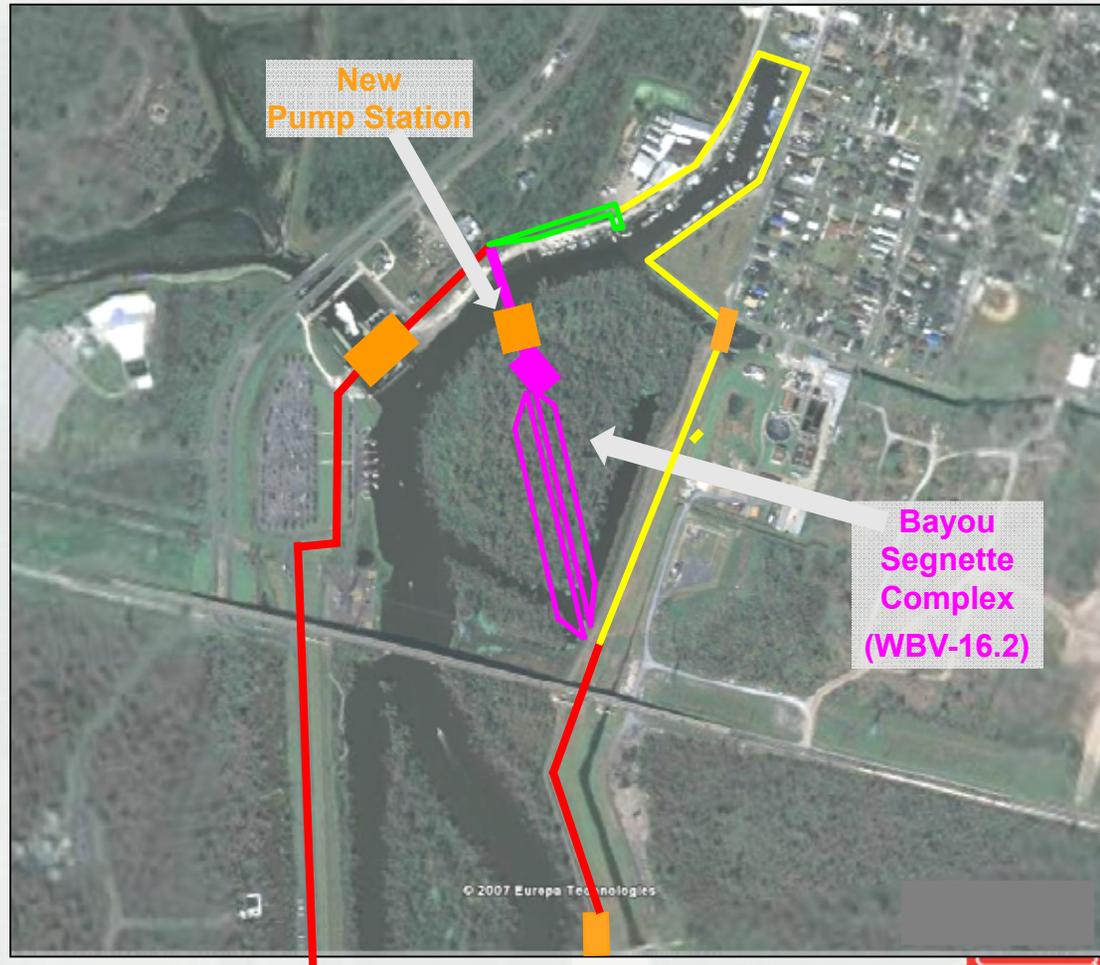


# Segnette Pump Station Fronting Protection (WBV-16b)



# Bayou Segnette Complex (WBV-16.2)

- Award Date:  
Feb. 10, 2010
- Contractor:  
Cajun Constructors
- Award Amount:  
\$42.8M
- Status:  
33% completed



# Bayou Segnette Complex

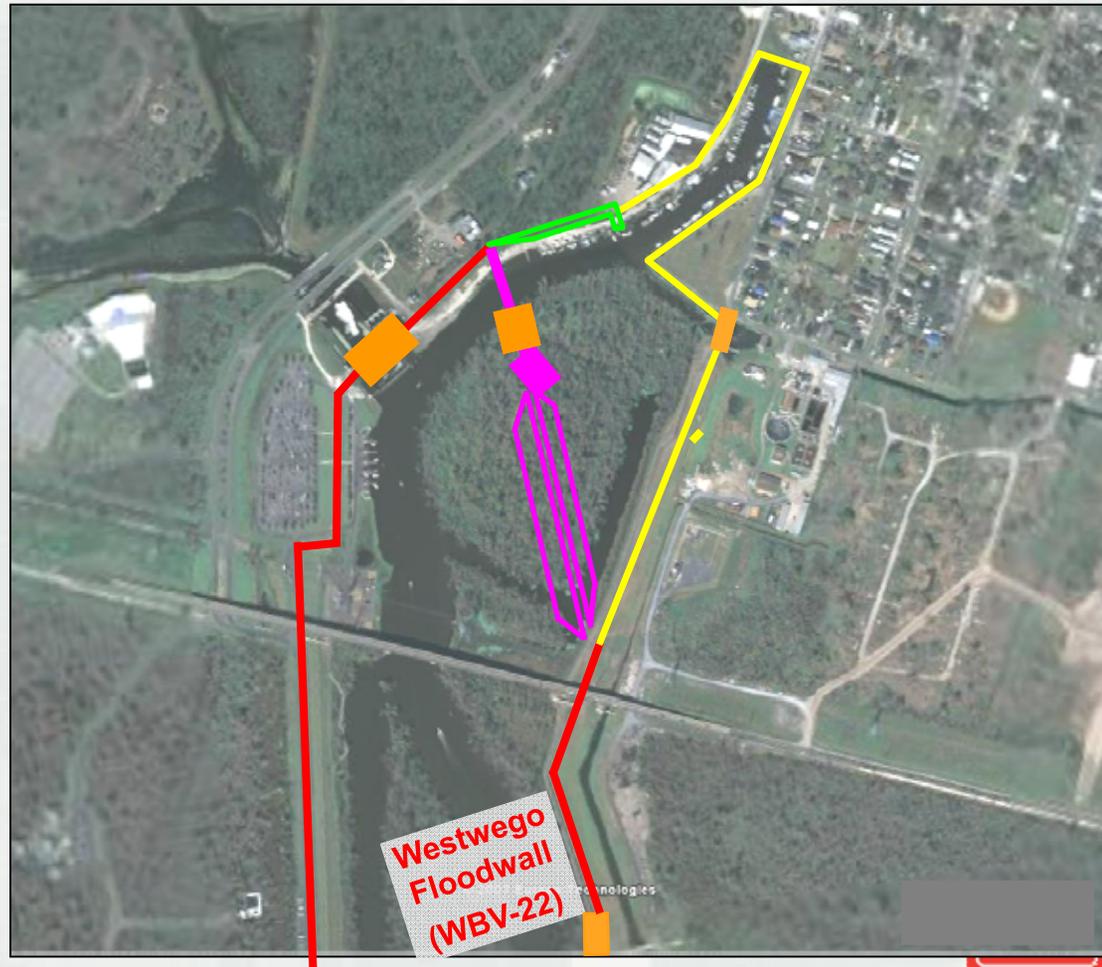
## (WBV-16.2)

The Temporary Retaining Structure (TRS) is a coffer dam used to dewater the Bayou Segnette area. Temporary workers to build this structure are known as a coffer dam.



# Westwego Floodwall (WBV-22)

- Award Date:  
Oct. 22, 2009
- Contractor:  
W. G. Yates & Sons  
Construction  
Company
- Award Amount:  
\$7.5M
- Status:  
98% completed



# Westwego Floodwall (WBV-22)

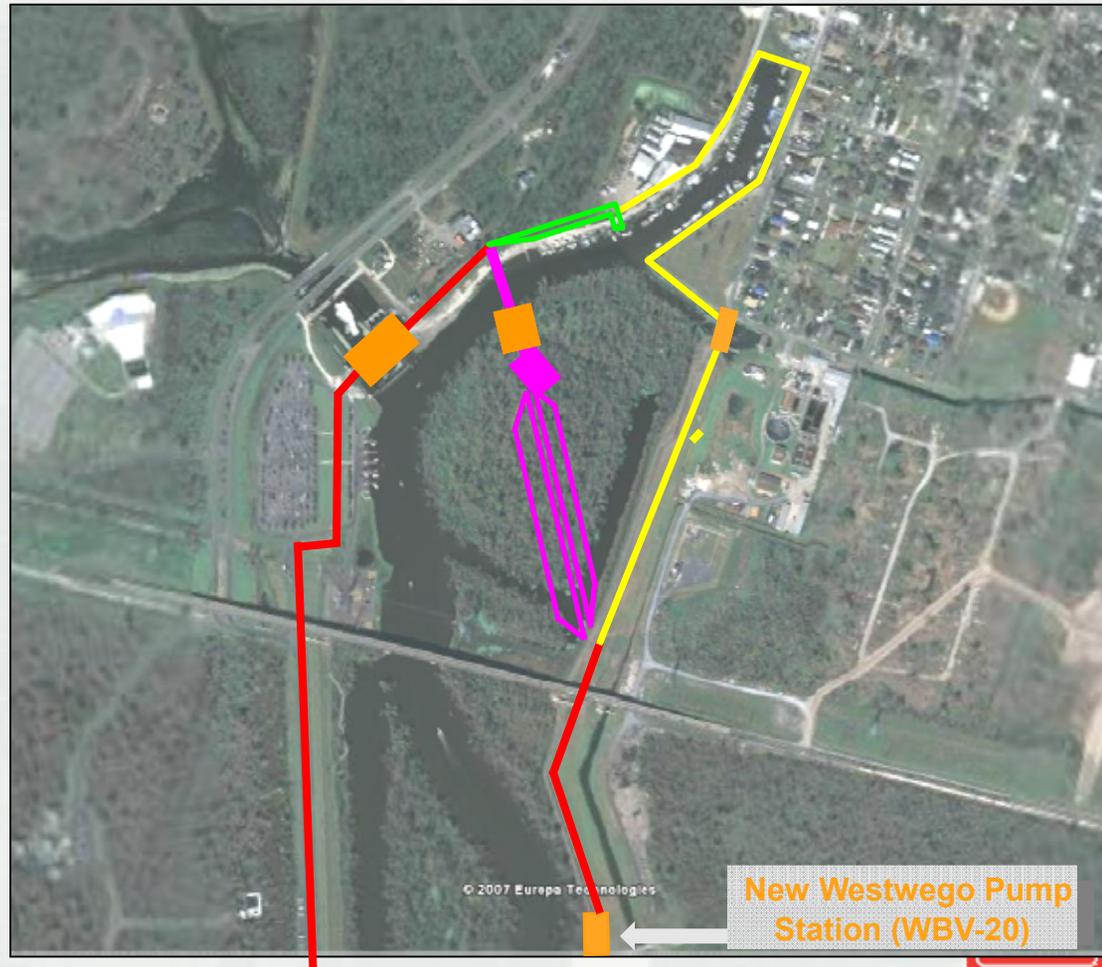


The newly constructed T- wall in Westwego  
was completed November 18, 2010.



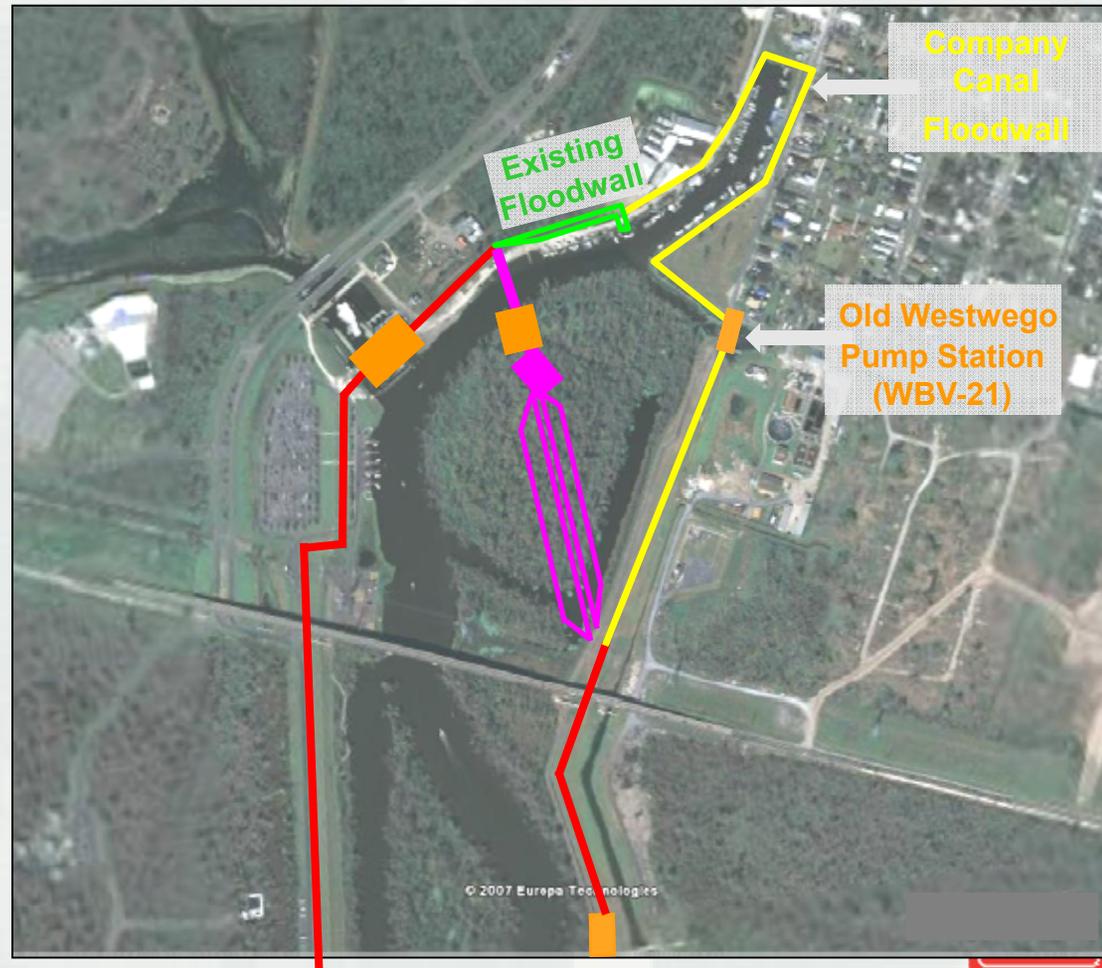
# New Westwego Pump Station (WBV-20)

- Award Date:  
Oct. 2, 2009
- Contractor:  
Shavers-Whittle  
Construction
- Award Amount:  
\$14.7M
- Status:  
58% completed



# Company Canal Floodwall and Old Westwego Pump Station

The existing protection behind WBV 16.2, Bayou Segnette Complex, will no longer be the main line protection. It will be converted to a retention area.



# Lake Cataouatche Levee Refinements

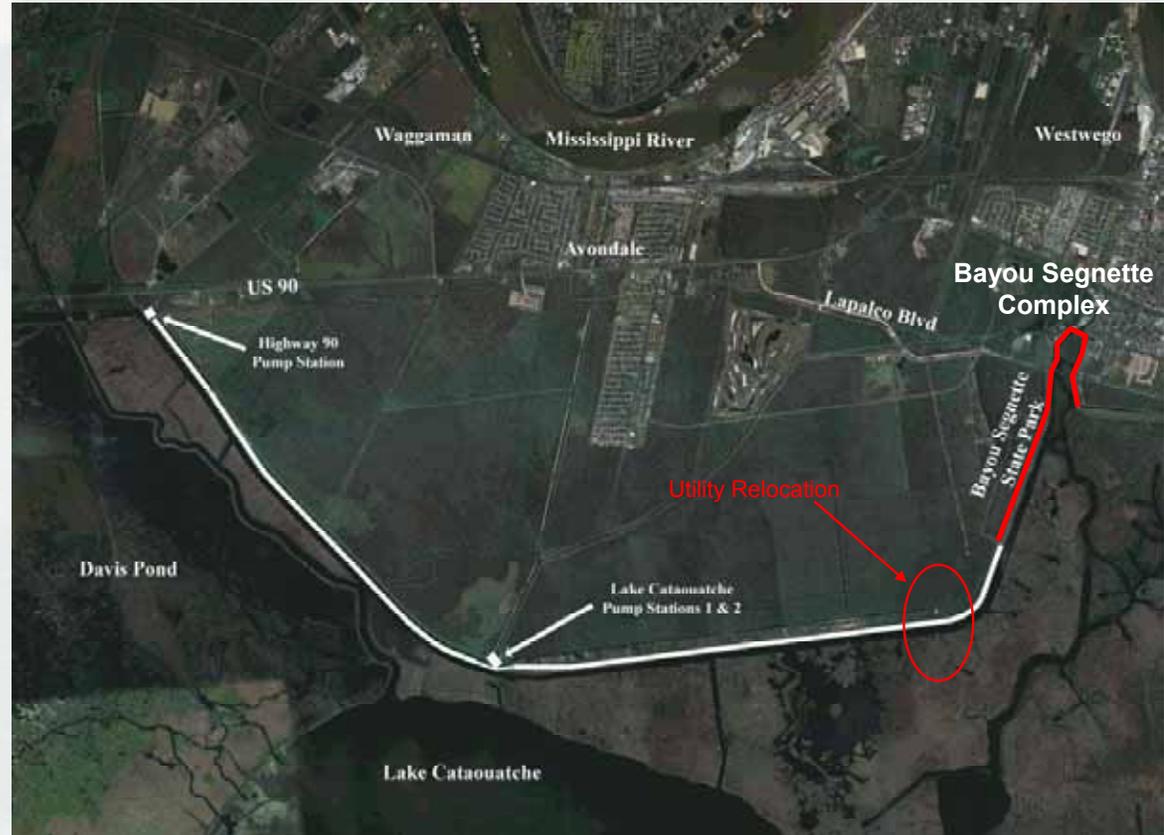
Individual Environmental Report  
15 Supplemental to be released  
in early 2011

## Current Conditions:

- Pipeline is placed on the surface of the existing levee crown and slope

## Proposed Action is to:

- Relocate the utility within existing right-of-way via Directional Drill
- Dredge a portion of Bayou Segnette for construction access
- Temporarily impact approx 5-10 acres of wetlands
- Replace a culvert with a pontoon bridge



# Currently Available for Public Review

- **IER 33 – Co-located Mississippi River Levees**
  - Public review through Dec. 25, 2010



# Upcoming Public Meetings

**Monday, Dec. 13, 2010**

**Atchafalaya Basin Floodway System Master Plan Update public meeting - Opelousas**

Opelousas High School

1014 Judson Walsh Dr.

Opelousas, LA 70525

Expected attendance - 100

**Tuesday, Dec. 14, 2010**

**Atchafalaya Basin Floodway System Master Plan Update public meeting - Port Allen**

West Baton Rouge Community Center

749 N. Jefferson St.

Port Allen, LA 70767

**Wednesday, Dec. 15, 2010**

**Causeway Construction**

New Orleans Marriott Metairie at Lakeway

3838 N. Causeway Blvd

Metairie, LA 70002

Open House 5:00 to 8:00 p.m.



# *Opportunities for Public Input*

- Regular public meetings throughout the Hurricane and Storm Damage Risk Reduction System (HSDRRS) Area
- Sign in tonight to get on our meeting notification mailing list!
- Construction Impact Hotline: 1- 877- 427- 0345
- Comments can be submitted at any time at:

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

Questions and comments may be submitted to:

Telephone: 504 - 862 - 2201

**[E-mail: AskTheCorps@usace.army.mil](mailto:AskTheCorps@usace.army.mil)**



# Resources

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

**NOLA Environmental**  
NEW ORLEANS, LOUISIANA  
Environmental Compliance Data Bank  
[www.nolaenvironmental.gov](http://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.

The U.S. Army Corps of Engineers, Mississippi Valley Division, New Orleans District implemented Alternative Arrangements on March 13, 2007 under the provisions of the Council on Environmental Quality Regulations for implementing the National Environmental Policy Act (40 CFR § 1506.11). Learn more...

**Announcements**

- [Draft IER 7 Public Comment Period 5/6 - 6/4](#)
- [Draft IER 13 Comment Period extended to 5/18](#)
- [Draft IER 5 Public Comment Period 5/4 - 6/3](#)
- [Draft IER 16 Public Comment Period 5/1 - 5/30](#)
- [Draft IER 6 Public Comment Period 4/24 - 5/23](#)
- [IER 6 - The Clean Water Act Section 404 Public Notice Comment Period 4/24 - 5/23](#)
- [Orleans Parish Pump Station Stormproofing EA #474 Drafts Public Comment Period 4/17 - 5/23](#)
- [Jefferson Parish Pump Station Stormproofing EA #475 Drafts Public Comment Period 4/14 - 5/20](#)
- [Draft IER 10 Public Comment Period 4/13 - 5/12](#)

**Upcoming**

- [05/11/2009 - Public Meeting IER 6, 9, 10 and IER 10](#)
- [05/17/2009 - Draft IER 10 Public Comment Period Ends](#)

**Newly Available**

**NEW** NOLA Environmental Basic Data Viewer

News Release 06 May 09 Draft IER 5  
IER 5 - Phase 2 Final Report: Operating Scenario Analysis

**FEATURED PROJECT**

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

[www.mvn.usace.army.mil](http://www.mvn.usace.army.mil)

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 more higher, stronger, better floodwalls is one of the ways the U.S. Army Corps of Engineers is working to keep communities safe from flooding and storm damage. Risk Reduction System (RRS) by 2015. To find out the Corps is doing valuable projects 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 on the Westbank. [More Info](#)

**Emergency Information**  
Road closures, flight delays, health information and more. [More Info](#)

**NOLA Environmental**  
Did you miss a meeting? No problem! Find presentations, summaries and more. [More Info](#)

**TOP HEADLINES**

**ASK THE CORPS**

**FEATURED VIDEOS**

Downlock confirms signs on Westbank levee  
Crews release environmental statement to public media  
Steps to correct update on Westbank risk reduction project  
Crews release public report on Westbank risk reduction project

West Closure Complex  
Barringer & Slusher Damage Risk Reduction System

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US Army Corps  
of Engineers  
New Orleans District

# Social Web Networking Communities

*and what they mean to you*

## twitter



is an online messaging and social networking system that allows people to share their daily life experiences minute-by-minute, hour-by-hour, and/or day-by-day via their computer or mobile phone. Team New Orleans is joining in and taking on the opportunity to tweet with the public and offer reports on developments, additions, changes, and upcoming public meetings and events that will affect local communities. Check it out by going to [twitter.com/teamneworleans](https://twitter.com/teamneworleans).

Flickr is an online community platform for global photo management and sharing applications via the web. Team New Orleans has become a part of the movement and is using Flickr to visually explain our projects. Check out our photos at

[www.flickr.com/photos/37671998@N05](https://www.flickr.com/photos/37671998@N05).

## flickr



## facebook

is a global social networking Web site that links people from across the world and is currently ranked as the most popular of its kind. Team New Orleans is following in the trend and is using Facebook to update the public about projects, events, activities and public meetings. Become friends with Team New Orleans by visiting [www.facebook.com](https://www.facebook.com), search New Orleans District.



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