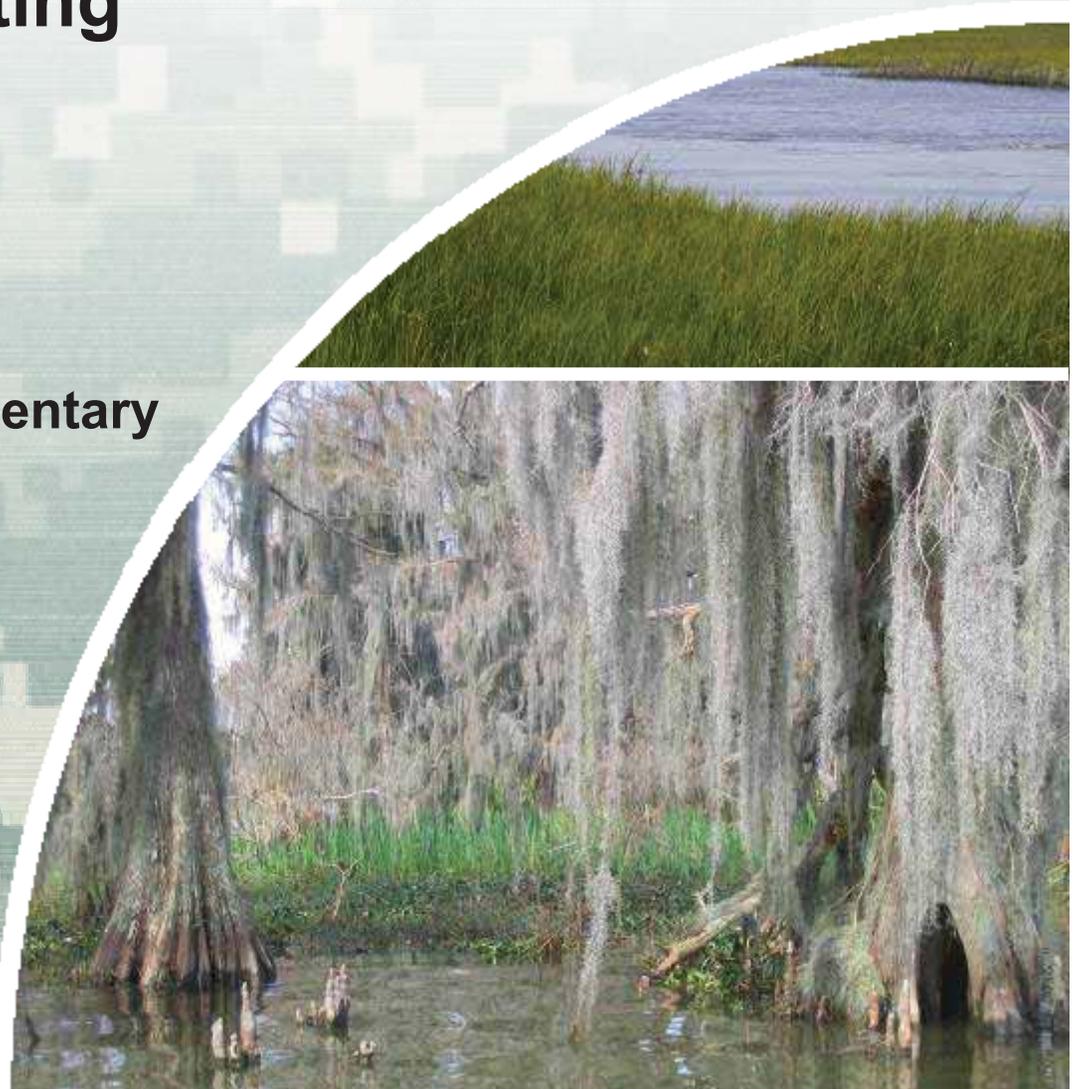


Greater New Orleans Hurricane and Storm Damage Risk Reduction System Mitigation Public Meeting

Resurrection of Our Lord Elementary
New Orleans
May 24, 2010



US Army Corps of Engineers
BUILDING STRONG



Meeting Purpose

Mitigation Open House & Project Scoping

Meet one on one with Corps representatives, learn about mitigation, and give us your ideas on how and where to mitigate for unavoidable project induced impacts from the HSDRRS work.

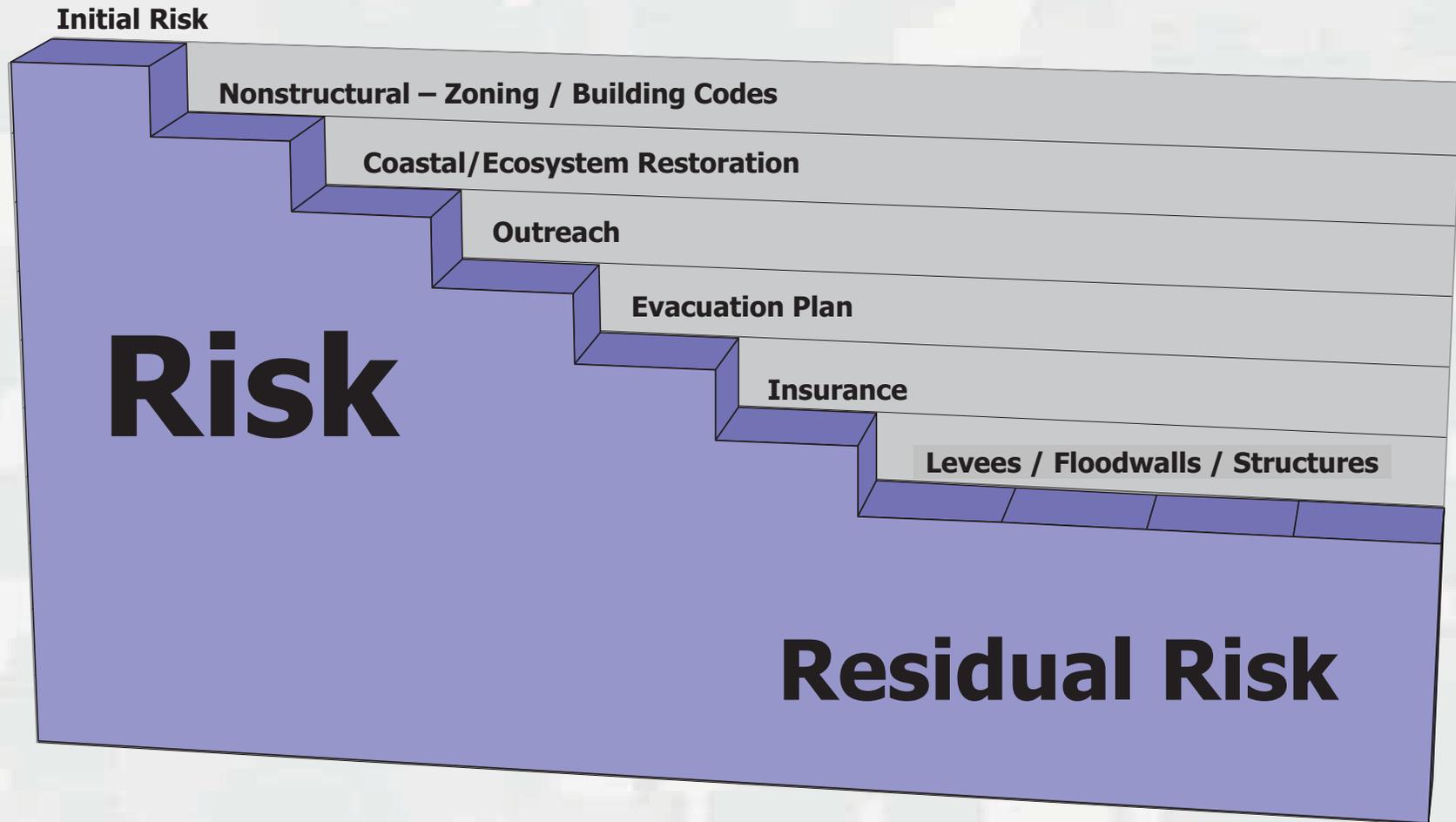


Meeting Agenda

- **Impacts generated by construction of the following HSDRRS projects:**
 - New Orleans East Levee
 - Inner Harbor Navigation Canal Surge Barrier – Lake Borgne
- **Mitigation Program Objectives**
- **Feedback Session**
 - Where and how should mitigation occur?



Risk – Shared Responsibility

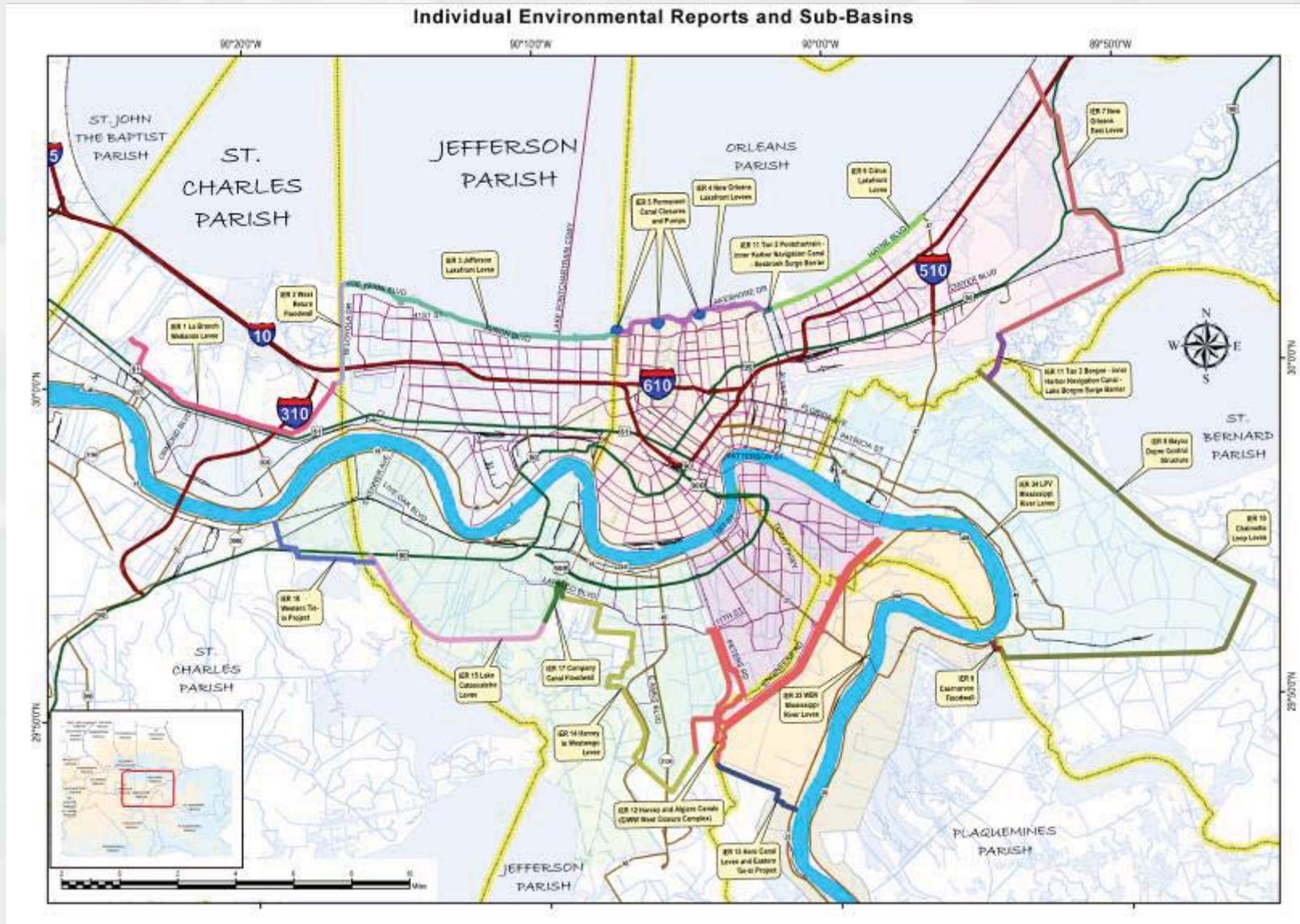


National Environmental Policy Act (NEPA)

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

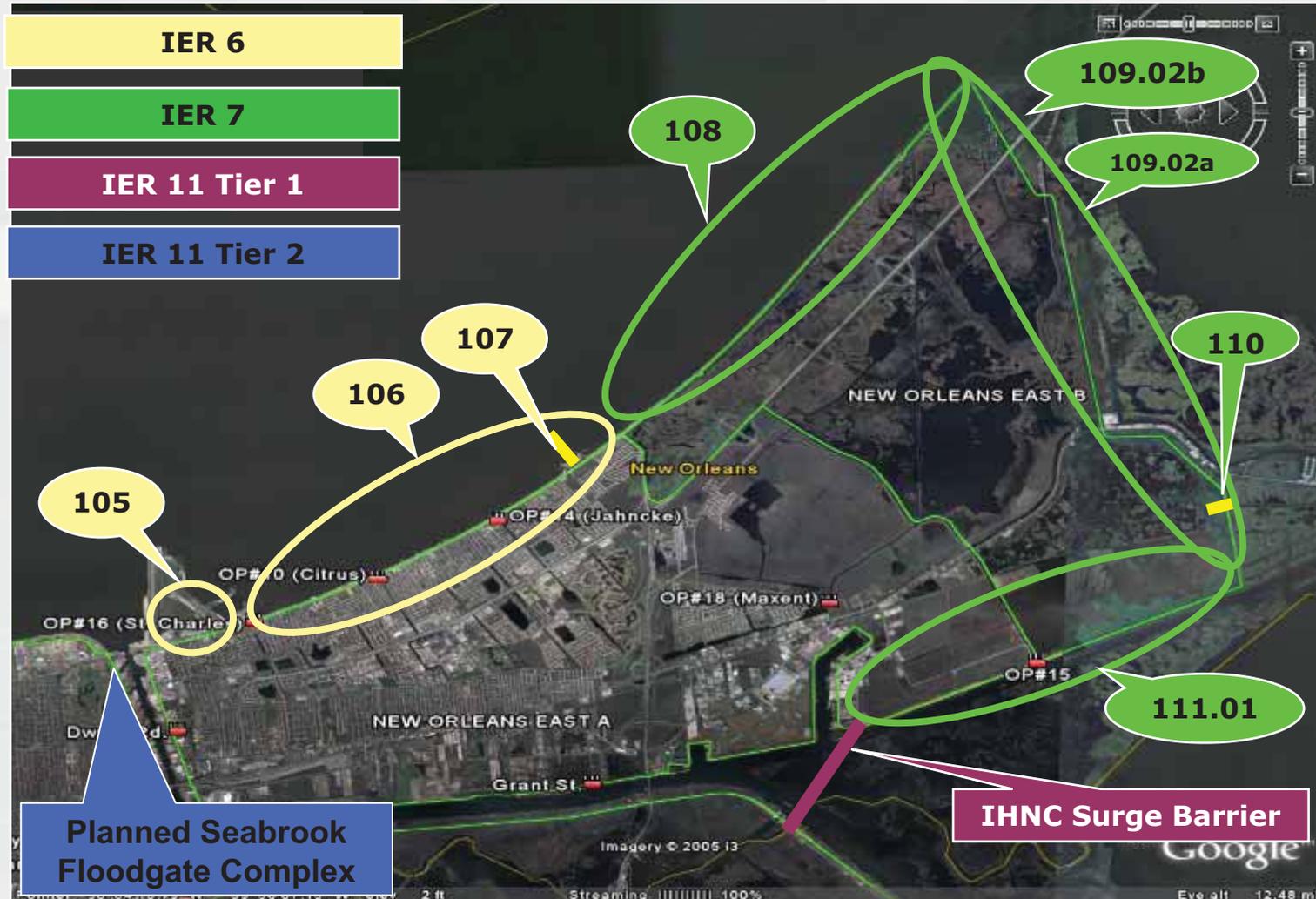


Individual Environmental Report: Project Areas



Map of Project Area

IER 6, IER 7, IER 11



LPV 108: Paris Road to South Point

Individual Environmental Report 7



Project Description

- Raising 33,100 feet (more than 6 miles) of levee to between 18.5' to 19.5'
100% complete
- Adding new floodwall at Collins Pipeline
99% complete



LPV 109.02a: South Point to CSX Railroad

Individual Environmental Report 7



Project Description

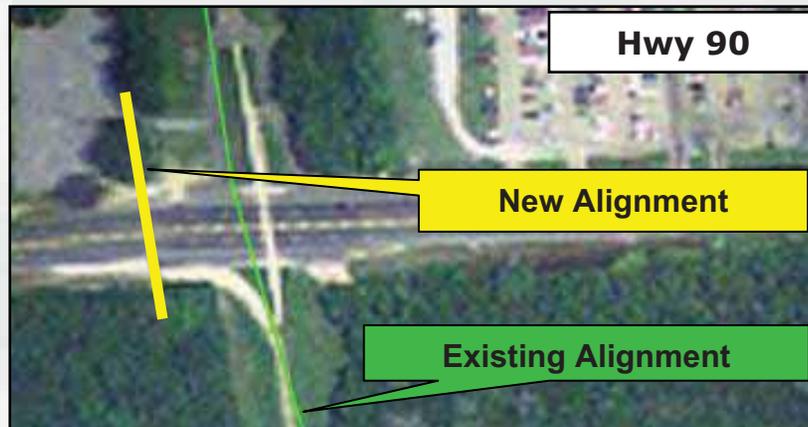
- Phase I – *Under Construction*
Reinforcing levee with high strength geotextiles and sand drainage blanket
- Phase II – Borrow Supply contract awarded on Dec. 4, 2009



BUILDING STRONG®

LPV 109.02a: South Point to CSX Railroad - Phase III

Individual Environmental Report 7



Project Description

- Raise levee to 16.5' - 28' utilizing wick drains
- Highway 11: Construct a 50' wide gate with an alignment shift that ties into 109.02a levee system
- Highway 90: Construct two 38' wide gates with an alignment shift that ties into the 109.02a levee system

Contract Awarded

Construction starting June 2010



LPV 109.02b: I-10 Crossing

Individual Environmental Report 7



Project Description

- Raise existing ramp to 16.5'
- Tie in to the existing 109.02a levee system

Contract Awarded

Construction to start July 2010



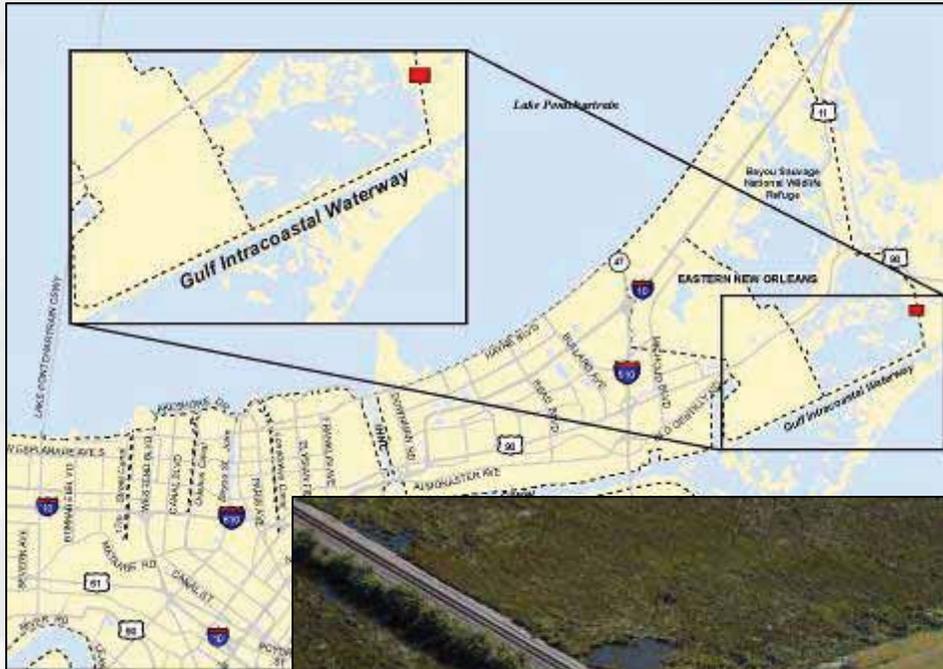
LPV 110: CSX Railroad Gate

Individual Environmental Report 7

Project Description

- Construct new T-wall & gate with an alignment shift
 - Existing elevation: 20'
 - Future elevation: 27.5'

Contract Awarded
Construction to start
December 2010



LPV 111.01: CSX RR to Michoud Canal

Individual Environmental Report 7

Project Description

- Raise existing levee
 - Existing elevation: 19' to 19.5'
 - Future elevation: 24' to 27.5'
- Replace and raise existing floodwall at PS 15 to 30.5'

Construction 16% complete



BUILDING STRONG®

New Orleans East Levee

Individual Environmental Report 7 Impacts – Current Working Estimate

Habitat Type	Quantity (acres)	Quality (AAHUs*)
Bottomland Hardwood Wet	202.0	101.4
Bottomland Hardwood Dry	0	0
Swamp	0	0
Marshlands	245	110.3
Total	447.0	211.7

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



Inner Harbor Navigation Canal – Lake Borgne

Individual Environmental Report 11



Inner Harbor Navigation Canal – Lake Borgne

Individual Environmental Report 11



Inner Harbor Navigation Canal

Individual Environmental Report 11 Impacts – Current Working Estimate

Habitat Type	Quantity (acres)	Quality (AAHUs*)
Bottomland Hardwood Wet	15	2.59
Bottomland Hardwood Dry	0	0
Swamp	0	0
Marshlands	122	24.33
Total	137	26.92

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



Mitigation

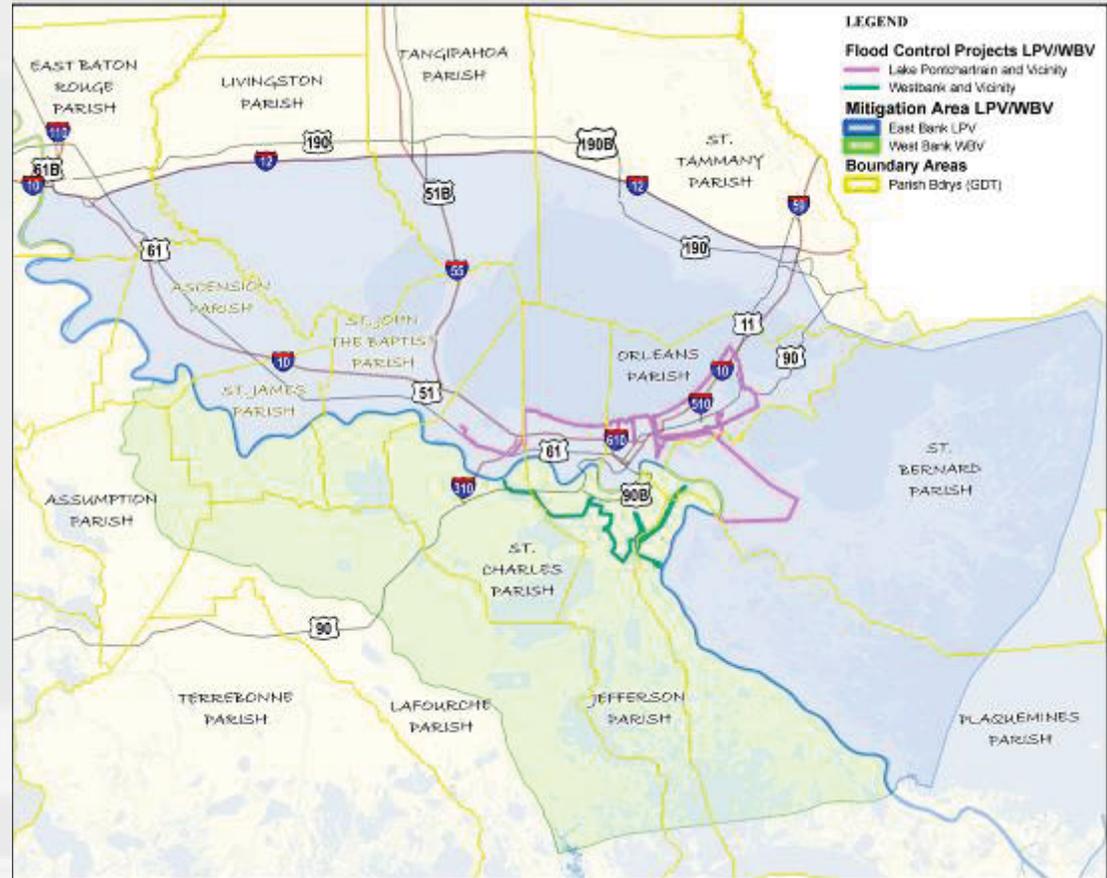
- **Avoid impacts to natural resources**
- **Minimize impacts to the greatest extent possible**
- **Compensate for unavoidable impacts**
- **Mitigation plans will be discussed in environmental documents**
- **Mitigation is funded**



Mitigation Policies

Generally mitigation would occur:

- As close as possible to the impact area
- Within the same hydrologic basin (Barataria or Lake Pontchartrain)
- Within same habitat type
 - Replace quantity (acres)
 - Replace quality (AAHUs)
- Before or concurrent with impacts



Example Mitigation Project

Terrebonne Parish Non-Federal Levee

- In 2009, USACE constructed a 6.5 mile surge protection levee in Dulac, LA
- To mitigate the levee construction
 - Marshlands are currently under construction
 - Bottomland hardwood credits will be purchased from a mitigation bank



View of Mitigation Cell #2 under construction
Containment dikes at left, new levee at right.
(View to southeast)



Example of Project Impacts

IHNC Surge Barrier

- Construction began May 2009
- Types of impacts:
 - Direct
 - Indirect
 - Cumulative



Affected Habitats



Bottomland Hardwoods



Salt Marsh



Brackish Marsh



Swamp



Intermediate Marsh



Fresh Marsh



Total LPV Impacts

Lake Pontchartrain & Vicinity Projects

HSDRRS – Current Working Estimate

Habitat Type	Quantity (acres)	Quality (AAHUs*)
Bottomland Hardwood Wet	291.59	136.31
Bottomland Hardwood Dry	236.00	73.44
Swamp	113.71	70.81
Marshlands	835.99	423.53
Total	1477.29	704.09

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



Total WBV Impacts

West Bank & Vicinity Projects

Original Construction and HSDRRS – Current Working Estimate

Habitat Type	Quantity (acres)	Quality (AAHUs*)
Bottomland Hardwood Wet	1887.70	1067.55
Bottomland Hardwood Dry	29.90	10.62
Swamp	204.65	124.88
Marshlands	137.80	66.30
Total	2260.05	1269.35

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



Mitigation Tentative Timeline

- **Initial Public Meetings** May 2010
- **Initial Screening of Measures** Summer 2010
- **Final Screening of Measures** Spring 2011
- **Identify Proposed Mitigation Plan** Summer 2011
- **Release Individual Environmental Reports** Spring 2012
- **Individual Environmental Reports Signed** Spring 2012
- **Design Mitigation Projects** Fall 2012
- **Start Construction** Fall 2013



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

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

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.

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 Stormwatering EA #474 Drafts Public Comment Period 4/17 - 5/23
- Jefferson Parish Pump Station Stormwatering 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 borrow
- 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-MVNY Emergency Alternative Arrangements
Greater New Orleans
Hurricane and Storm Damage
Risk Reduction System Projects

<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

Floodwall

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

PUBLIC INFORMATION

Learn more about what the Corps is doing to reduce risk. [Click here to learn more.](#)

Emergency Information
[Food Safety](#), [Disaster Response](#), [Public Information](#), and [More...](#)

NOLA Environmental
Did you miss a meeting? No problem! Find agendas, minutes, and more.

TOP HEADLINES

Document permits access on YouTube? [More...](#)

Canal permits environmental document for public review

Sign to receive updates on [WaterBank](#) site. [More...](#)

Canal Bank Robots: [Inspect](#), [Repair](#), and [Monitor](#). [More...](#)

ASK THE CORPS

The Corps wants to hear from you! Do you have information on the closing of Industrial Lock on August 2, 2009 for 60 days?

Yes, for information regarding the August 2nd closing of the lower Harbor Navigation Canal Lock, please email askthecorps@usace.army.mil.

FEATURED VIDEOS

Meet Orleans Complex team and learn about the alternative under construction to reduce risk on the Warrenton Reach.

Hurricane & Storm Damage Risk Reduction System
From concept to construction, find all the information about system features.

Home | Contact Us | Sitemap | DM
US Army Corps of Engineers

HOME | DISCLAIMER | PUBLIC INQUIRY | EMERGENCY AND SECURITY | FOIA | INFORMATION QUALITY ACT | ACCESSIBILITY





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.

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.

flickr



Explore...

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, search New Orleans District.



***Visit the following links to follow us on
Facebook, Twitter and Flickr:***

<http://www.facebook.com/people/New-Orleans-District/100000017439096>

<http://twitter.com/teamneworleans>

<http://www.flickr.com/photos/37671998@N05>



Upcoming Mitigation Meeting

Wednesday May 26 6:00 pm
American Legion Post 366, St. Rose



What type of feedback are we looking for tonight?

Where and how should the Corps mitigate?

- Where should we restore and create habitats?
- Where are large tracks of undeveloped land?
- Which critical natural areas should be preserved?
- Is one mitigation method preferable to another?



Feedback Session

Please visit the stations at the back of the room to ask questions about the presentation and share ideas about how the Corps should mitigate.

Thank you!

