



US Army Corps of Engineers



Greater New Orleans Hurricane and Storm Damage Risk Reduction System

Westbank and Vicinity Projects

Individual Environmental Report 12 and borrow

Mr. Tim Connell, Project Manager

Mi-Swaco

December 16, 2008

Building Strong



Why we are here today

To discuss the status of in-progress improvements and recommended plans to reduce risk to communities in the Westbank and Vicinity portion of the Greater New Orleans Hurricane and Storm Damage Risk Reduction System.



National Environmental Policy Act: NEPA

- Required of all major federal actions
- Analyze potential impacts to the human and natural environment and investigate reasonable alternatives
- Public Involvement is KEY! We want to hear from you!
- Goal: more informed decision making through public involvement
- Analysis documented in Individual Environmental Reports (IER)



Ongoing Construction

Harvey Floodwalls



- Boomtown Casino to Hero Pump Station awarded Mar. 2007
- Lapalco to Boomtown awarded Feb. 2008
- Hero Pump Station awarded Jul. 2008
- Boomtown Floodwall awarded Jul. 2008
- Final Task Order awarded Dec. 2008

Harvey Floodgate



- Harvey Floodgate operational
- Provides protection across canal to elevation +11



Ongoing Construction

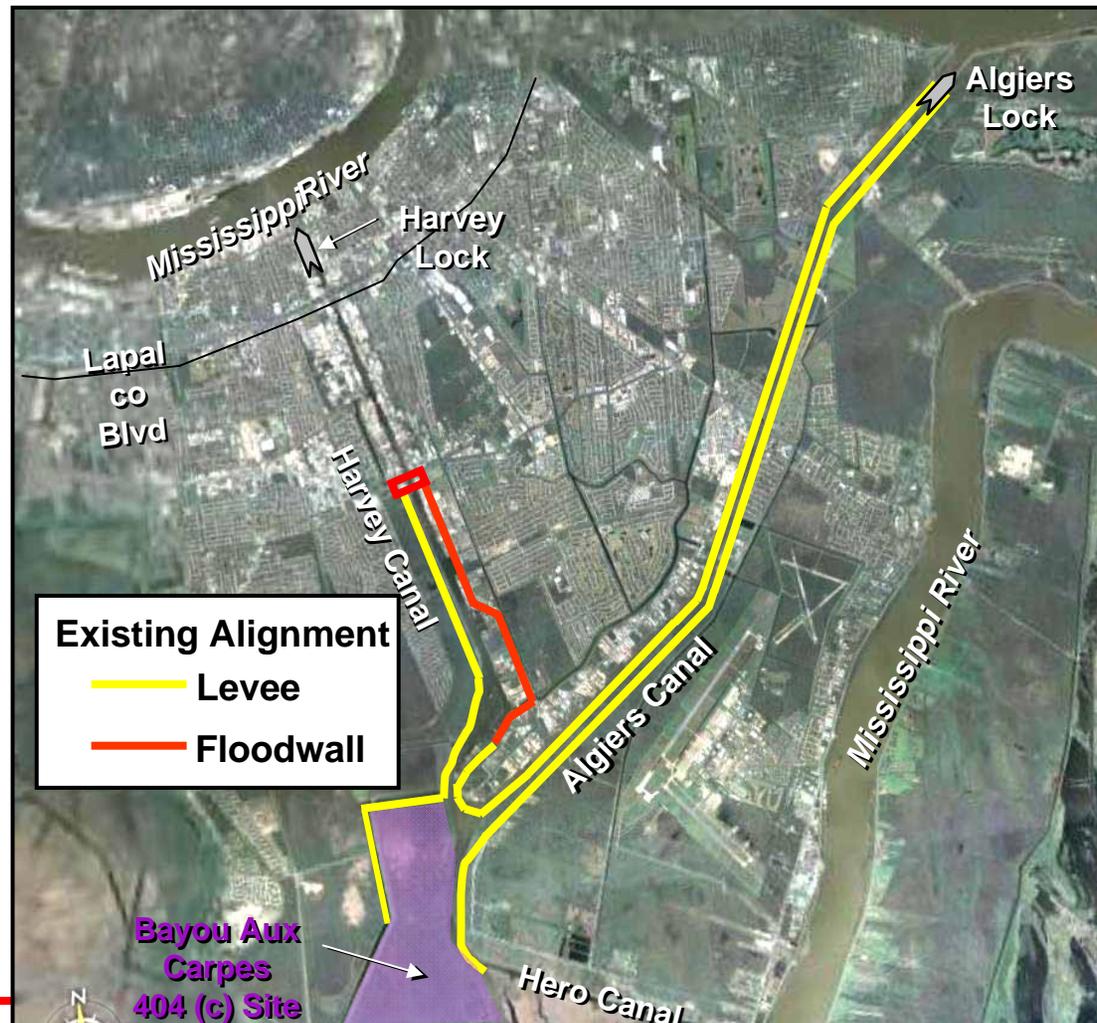
Algiers Canal Levees

- Contract awarded Jan. 2008 to raise the levee along the west bank of the Algiers Canal from Belle Chasse Hwy to Hero Cutoff to elevation +10.
- Remaining levees on the west bank, and all levees along the east bank of the canal, have been previously improved for hurricane protection.
- Contract awarded Apr. 2008 to raise levees along the west bank of the Harvey Canal.
- Construction is 34 percent complete





Harvey and Algiers Canals (IER 12)





Proposed Action (IER 12)

Floodgate on GIWW and Pump Station GIWW West Closure Complex

Floodgate and permanent bypass channel in the GIWW below the confluence of the Algiers and Harvey Canals to the 100-yr level of protection



Lapalco Floodgate and Cousins PS Discharge Channel Walls at previously authorized level of protection



Proposed Floodgate and pump station at 100-yr level of protection



GIWW permanent bypass channel



Levees and Floodwalls to the previously authorized level of protection or greater



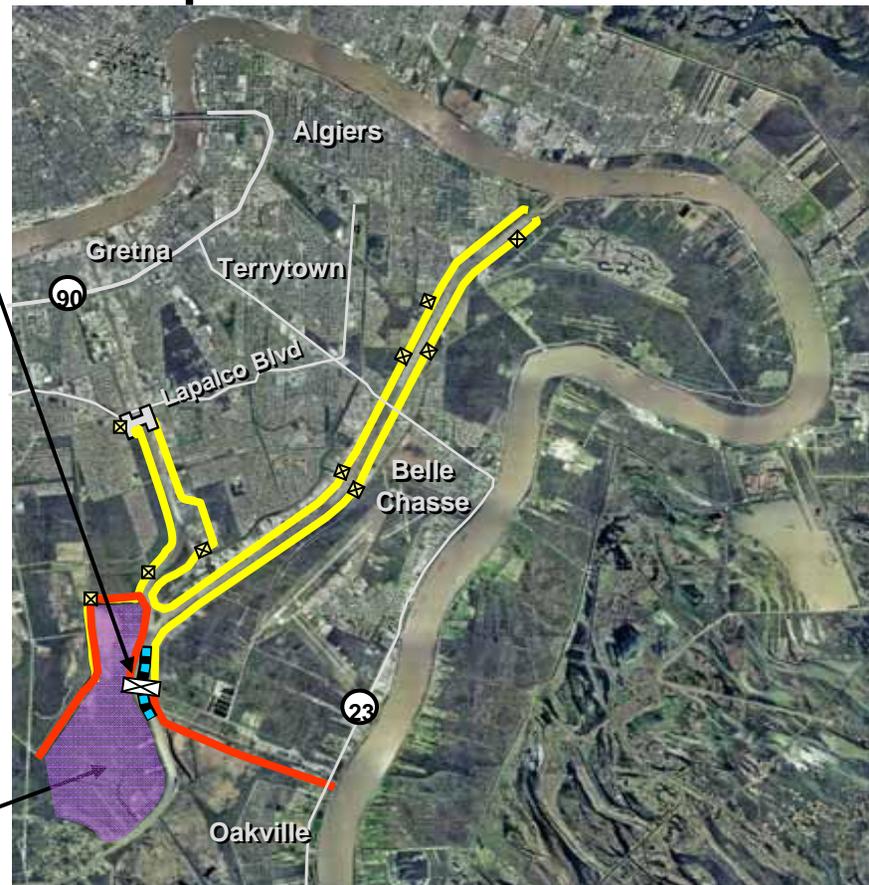
Levees and Floodwalls to the 100-yr level of protection



Pump Stations



Bayou Aux Carpes 404 (c) site





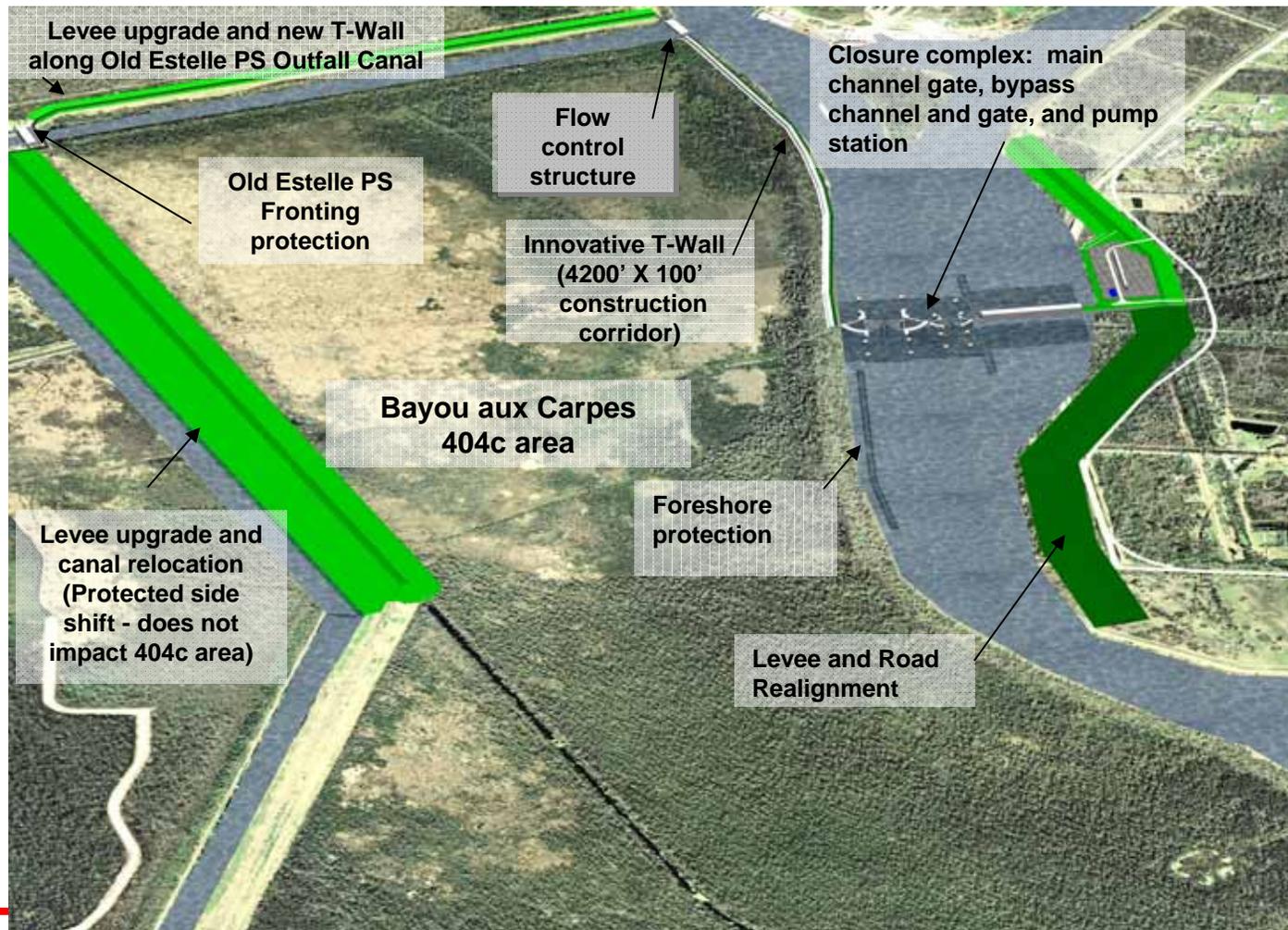
Proposed Action (IER 12)

Impacts

- Increased system reliability and risk reduction
- Reduced risk to businesses along the Harvey and Algiers canals
- Relocation of a pipeline
- Dredging 700,000 cubic yards of Algiers Canal
- Beneficial use of dredged material for marsh restoration
- Detention basin improvements
- Construction of floodwalls around the Belle Chasse Tunnel
- Construction of a 20,000 cubic feet per second pump station
- Construction of a permanent bypass channel
- Realignment of Bayou Road
- Acquisition of 240 acres of additional right-of-way



Conceptual Images West Closure Complex

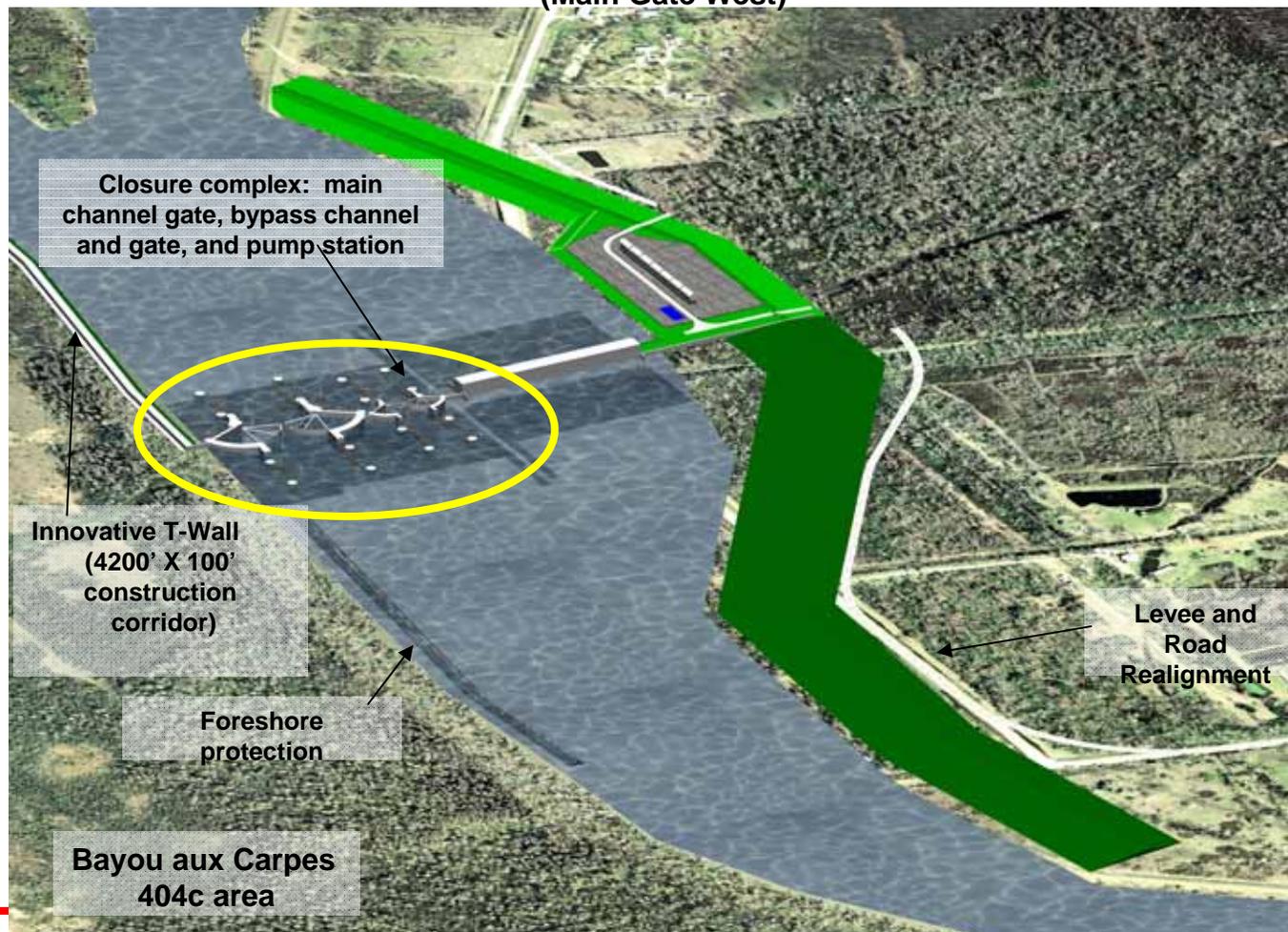




Conceptual Images

Close up of West Closure Complex

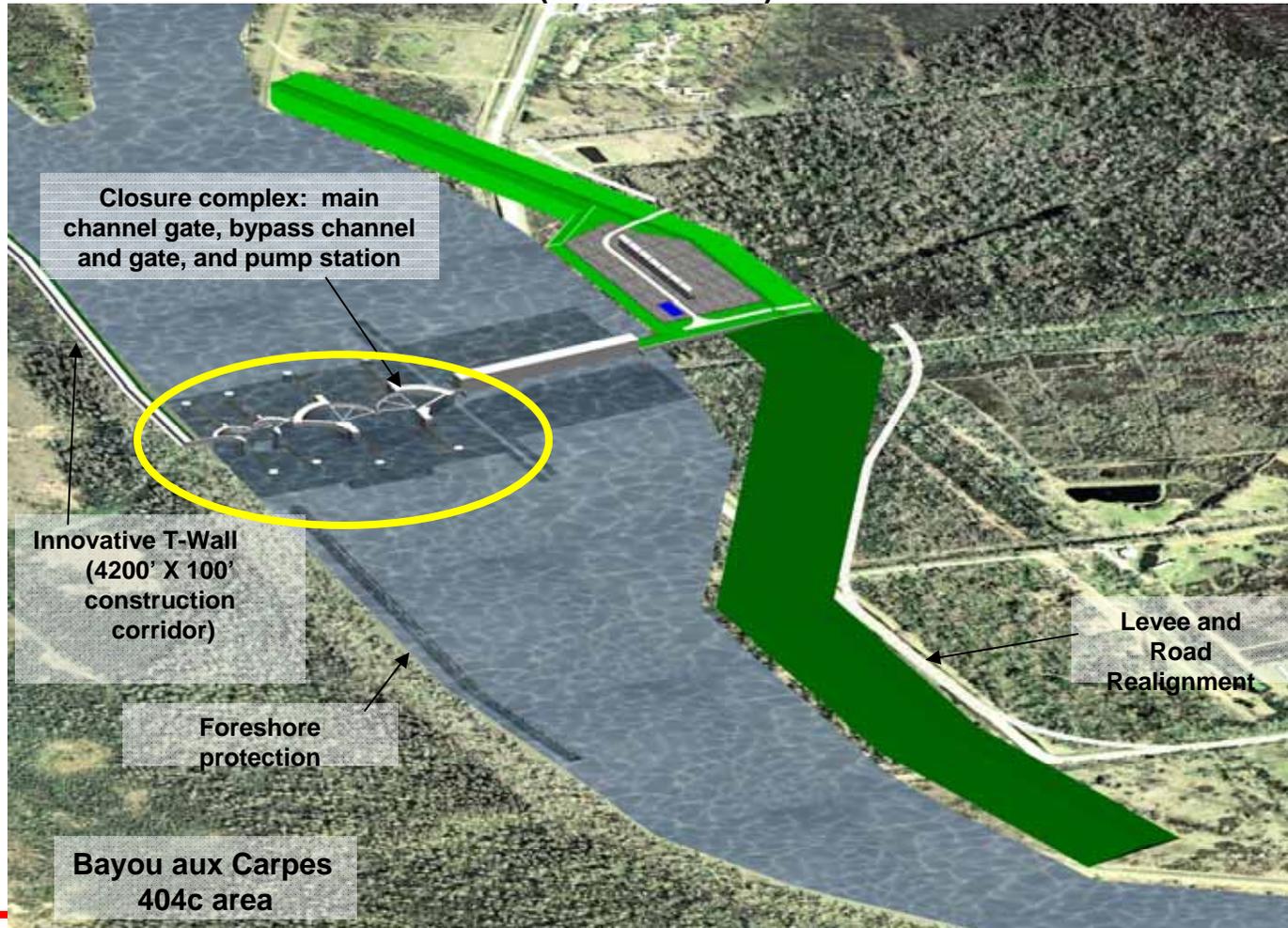
(Main Gate West)





Conceptual Images Close up of West Closure Complex

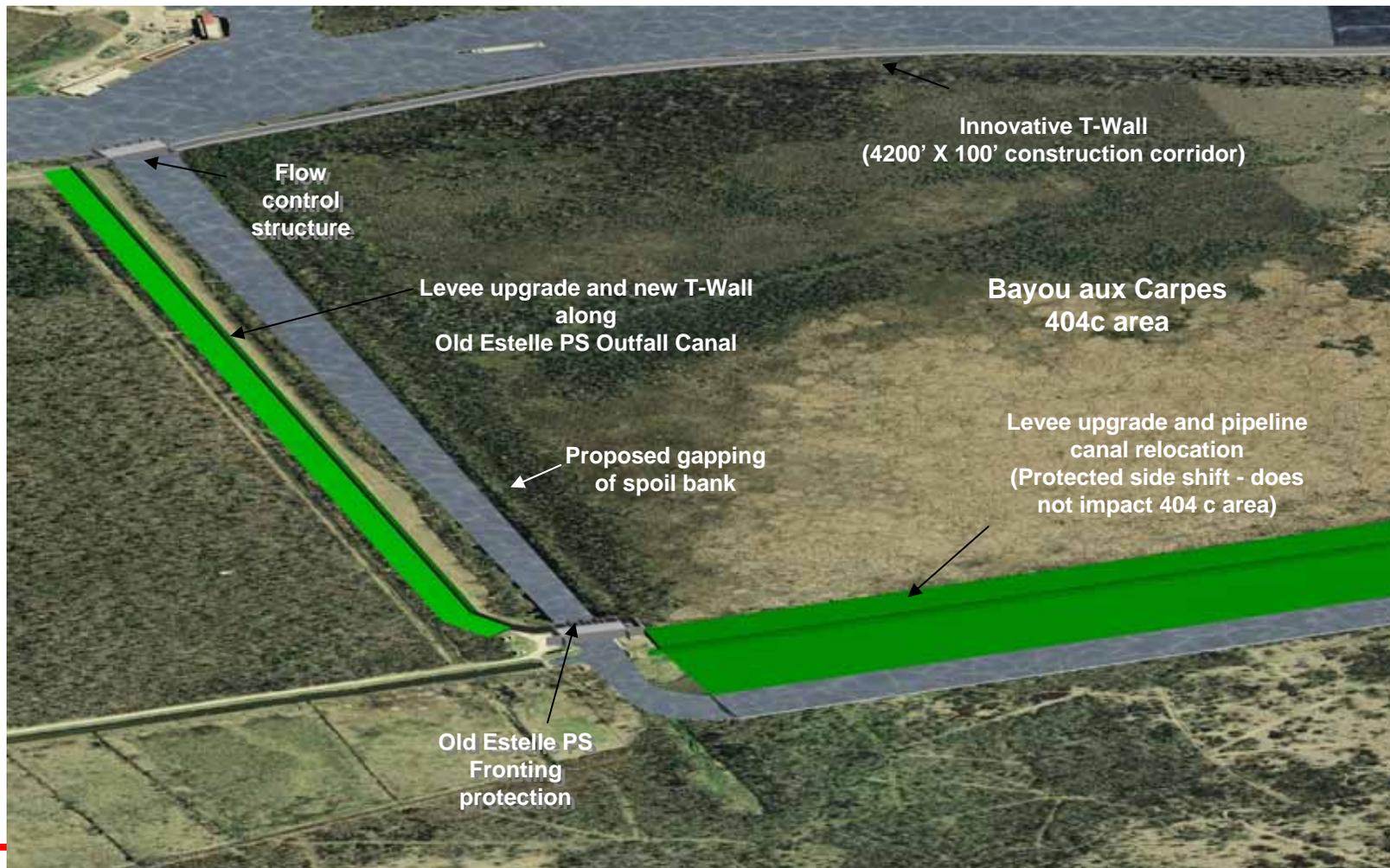
(Main Gate East)





Conceptual Images

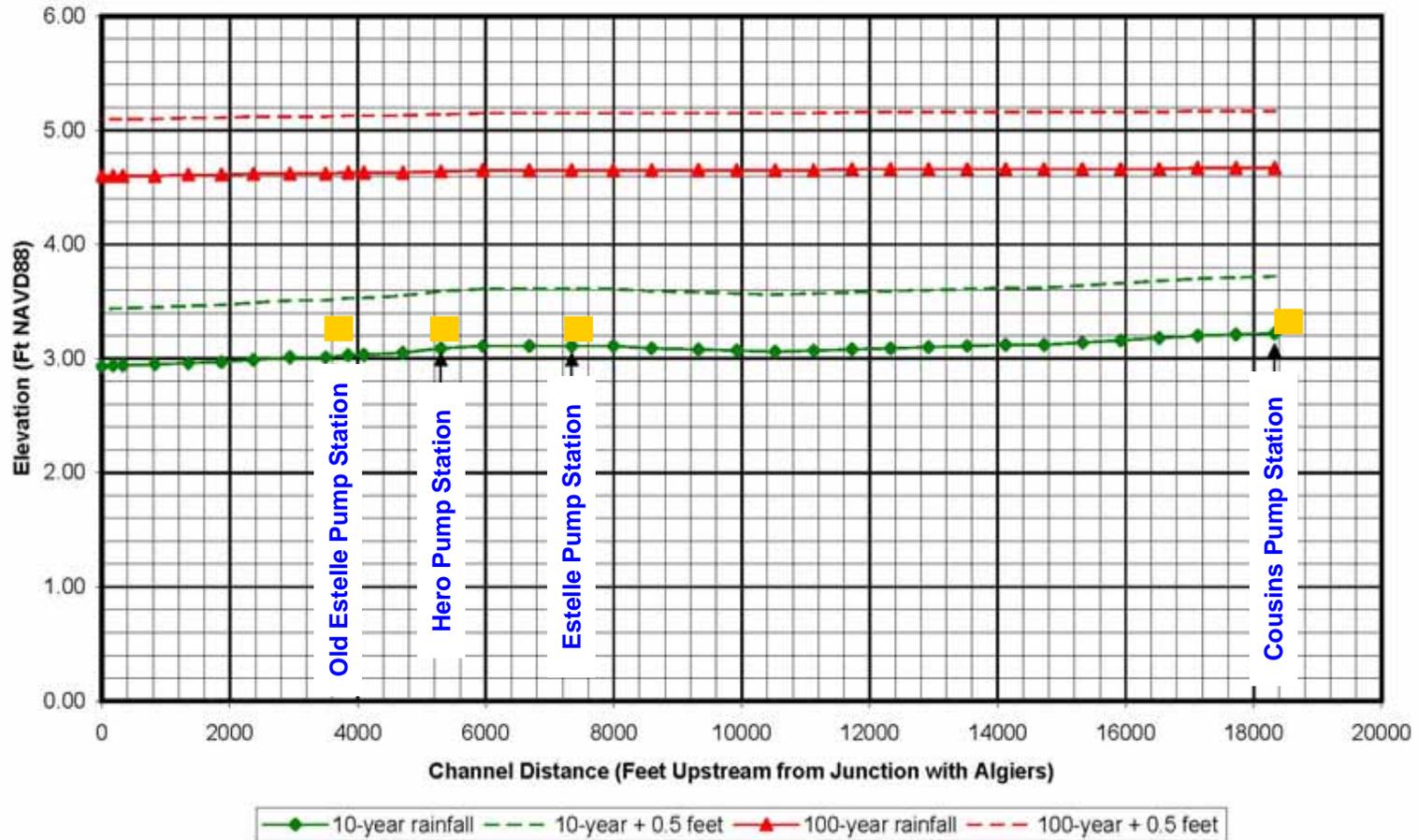
Old Estelle Outfall Canal Flow Control Structure





Hydraulic Modeling Results

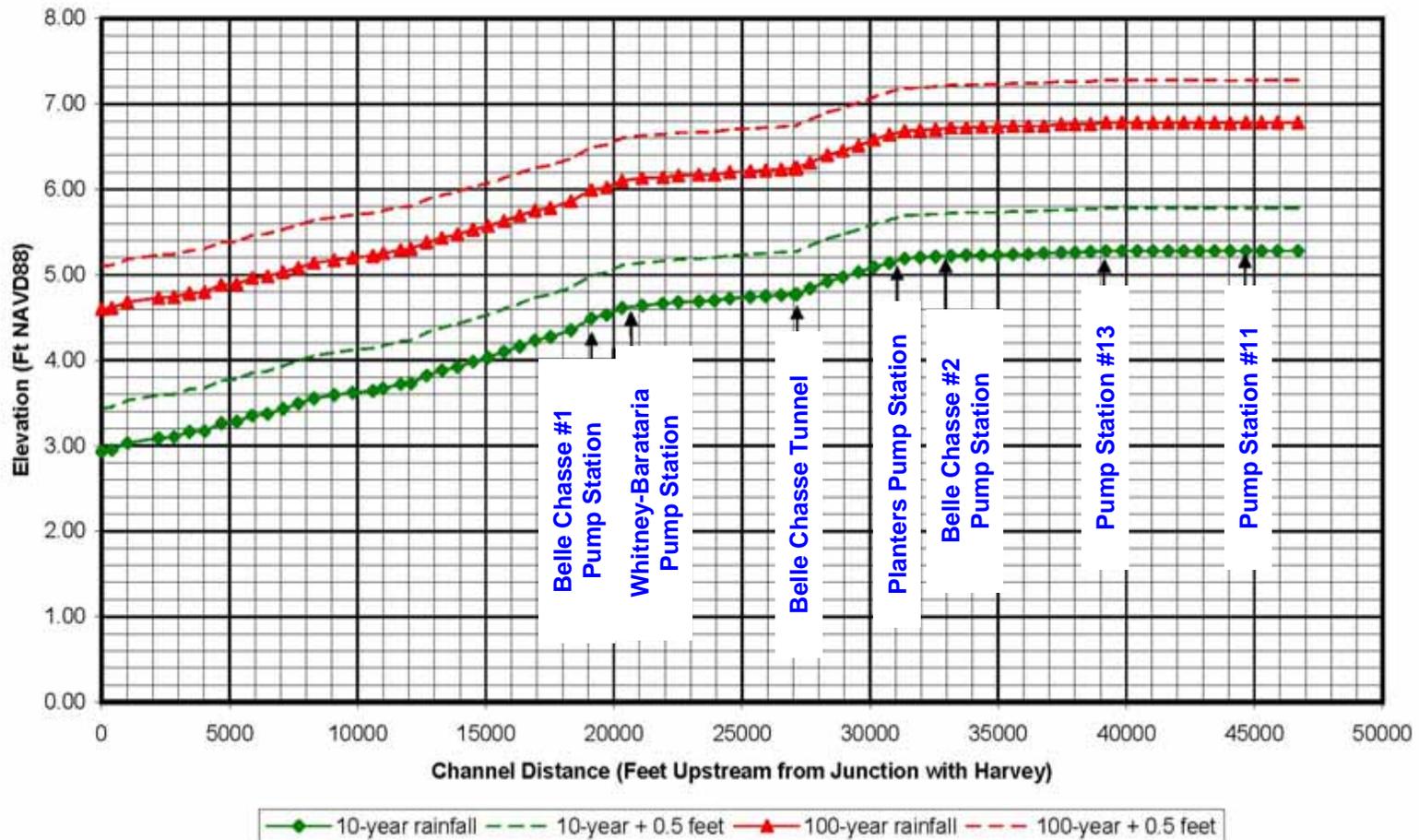
Harvey Canal Profile Plots for GIWW Sector Gate Run
with Channel Modification (Downstream of BC Tunnel Only)
20,000 cfs Pump Station, Pumps on at 2.0 - 2.5 Feet





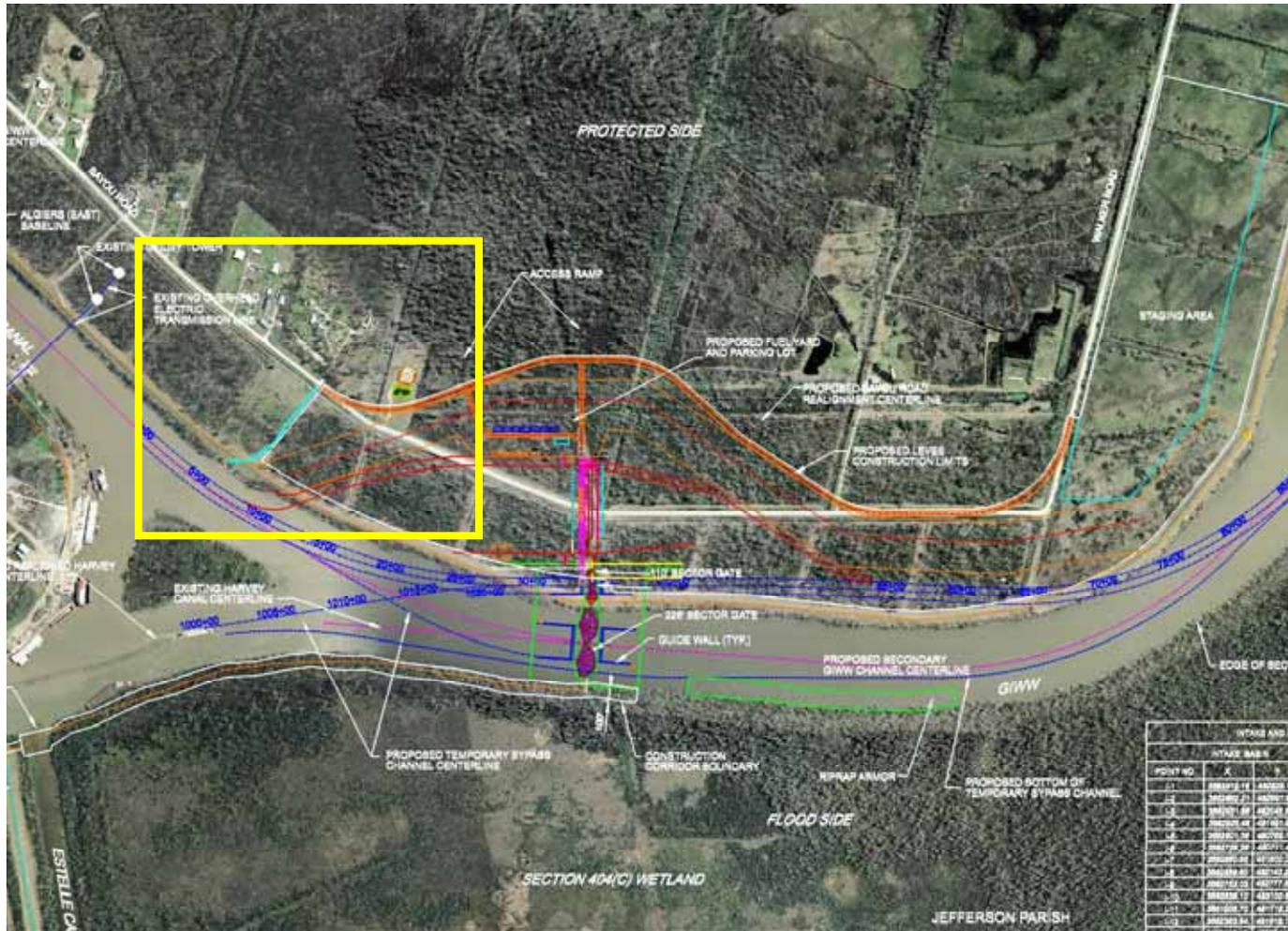
Hydraulic Modeling Results

Algiers Canal Profile Plots for GIWW Sector Gate Run
with Channel Modification (Downstream of BC Tunnel Only)
20,000 cfs Pump Station, Pumps on at 2.0 - 2.5 Feet



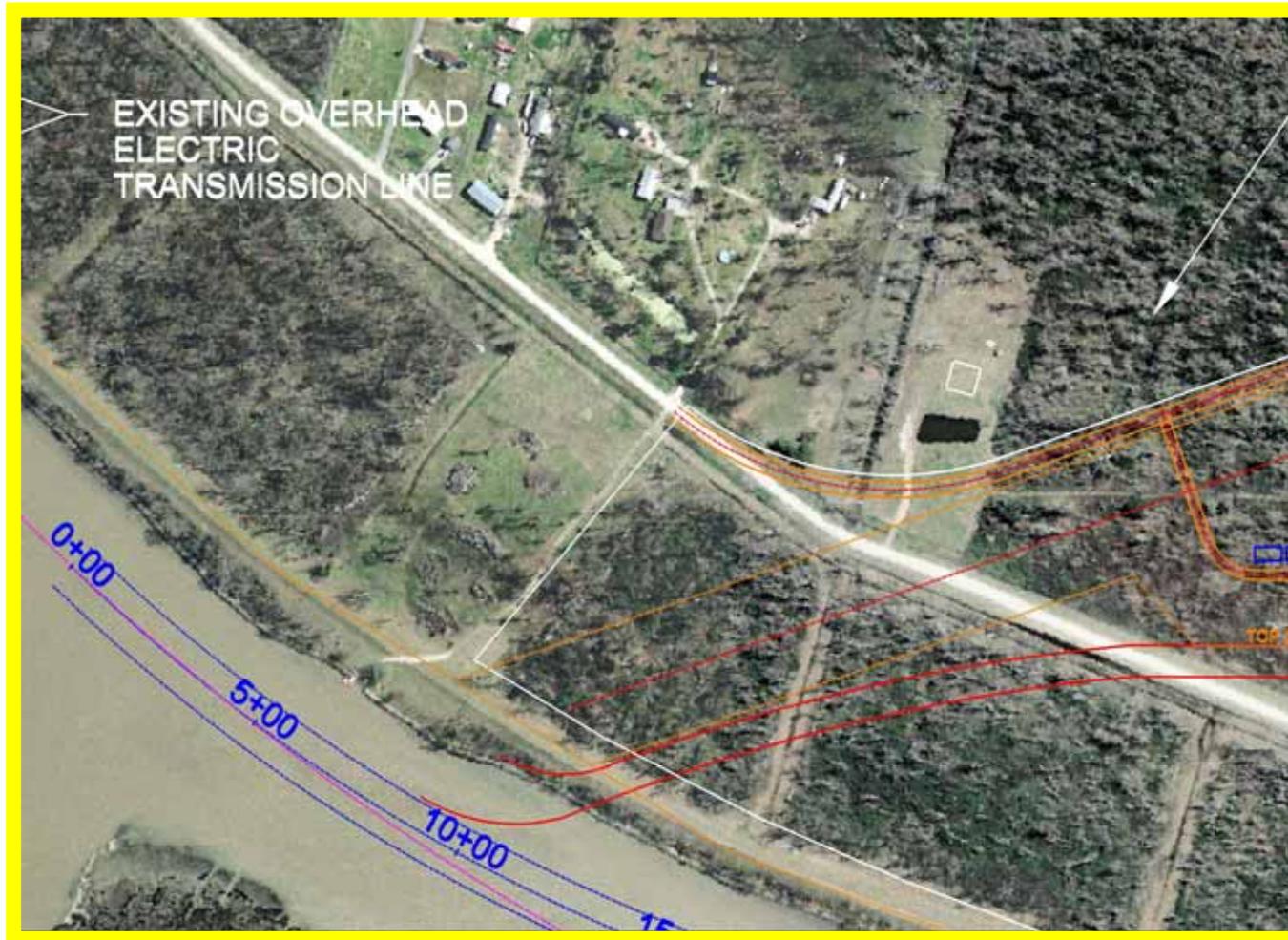


Current Project Footprint





Current Project Footprint



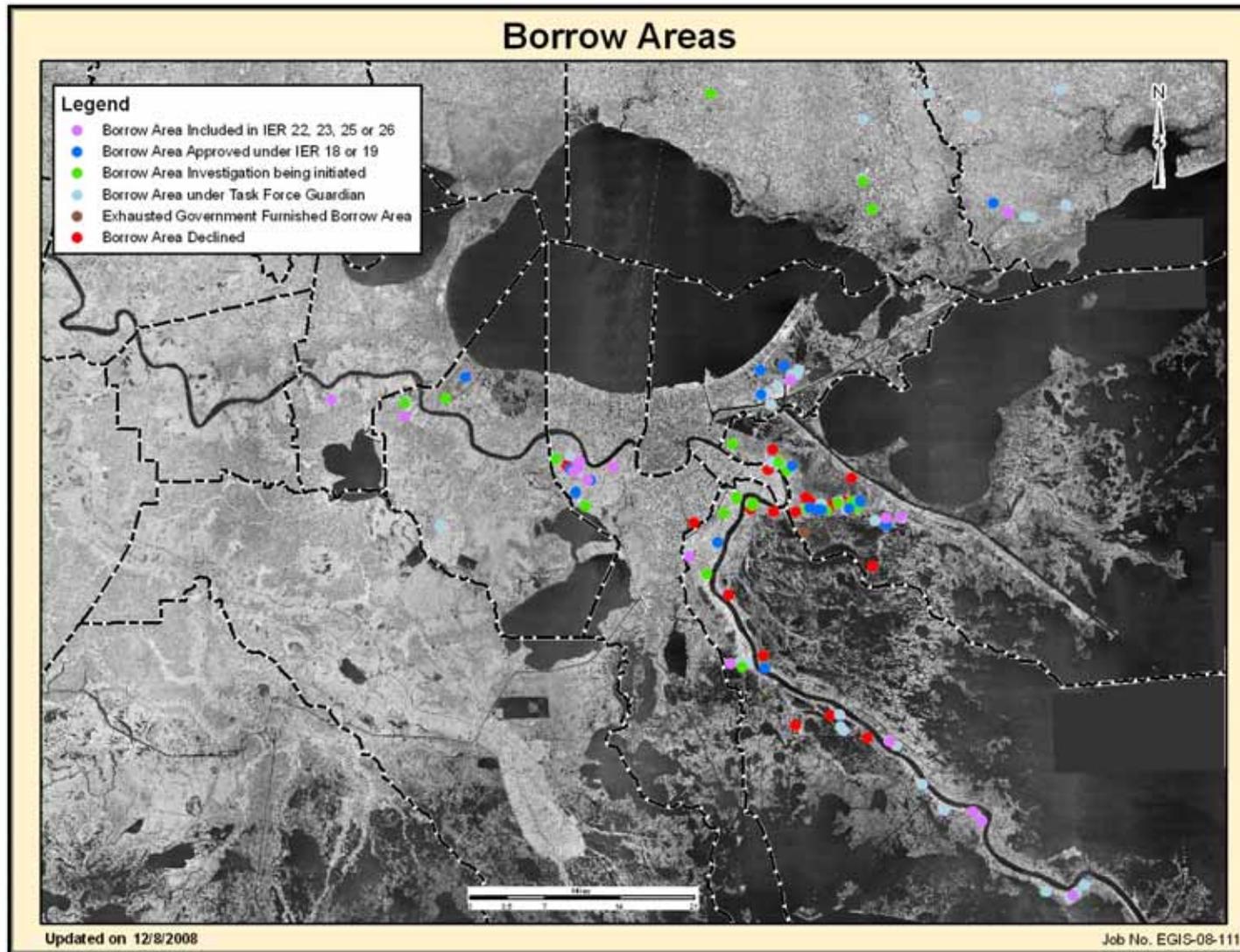


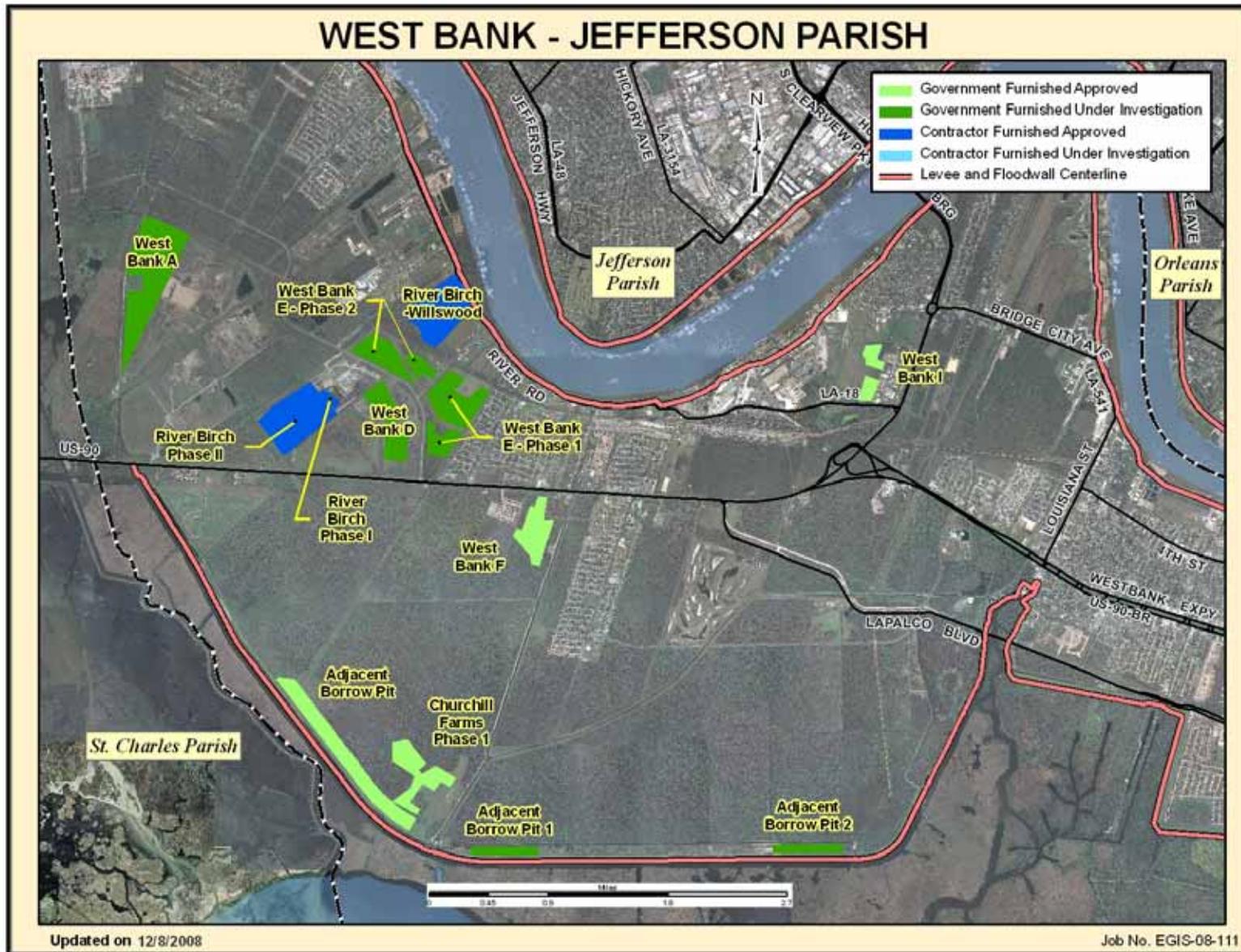
Tentative Project Timeline

- IER 12 is scheduled to be released for 30-day public review the last week of Dec. 2008
- A joint public hearing, held with the Environmental Protection Agency, will be held in Feb. 2009
- Decision Record would be signed by Col. Lee at the end of Feb. 2009 if no substantive comments are received during the comment period
- Construction begins in late Spring 2009



Borrow







IER Currently Available for Public Review

IER 25 – Government Furnished Borrow Material #3 Multiple Parishes

- Released for Public Review and Comment: Dec. 8, 2008
- Public Comment Period closes: Jan. 7, 2009

* copies available at www.nolaenvironmental.gov or by request



Opportunities for Public Input

- Regular public meetings throughout New Orleans area
- Comments can be submitted at: www.nolaenvironmental.gov
- Individual Environmental Reports (IER) 30-day Public Review

Questions and comments regarding Greater New Orleans Storm Damage Risk Reduction System projects should be addressed to:

Gib Owen

PM-RS

P.O. Box 60267

New Orleans, LA 70160-0267

Telephone: 504-862-1337

E-mail: mvnenvironmental@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 Protection 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...](#)

FEATURED PROJECT



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

Announcements

- Draft [IER 17 Public Comment](#) Period 11/03 - 12/03 ([News Release](#))
- [IER 17 - The Clean Water Act Section 404 Public Notice Comment](#) Period 11/03 - 12/02
- The Decision Record for [IER 11 Tier 2 Borgne](#) has been signed by the District Commander (*October 21, 2008*)
- [IHNC Lock Replacement Project Public Comment](#) Period 10/10 - 1/24

[More...](#)

Upcoming

- [12/09/2008 - Public Meeting \(IERs 12-14\)](#)
- [12/11/2008 - Public Meeting \(IERs 8-11\)](#)

[More...](#)

Newly Available

NEW >> [NOLA Environmental Basic Data Viewer](#)

- [Draft IER 25 Government Furnished Borrow Material #3 Multiple Parishes](#)
- [18 November 08 Hurricane Protection System Borrow Handout](#)

[More...](#)



US Army Corps of Engineers



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

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Refresh Print Mail New Tab

Address <http://www.mvn.usace.army.mil/> Go Links

ABOUT US SERVICES BUSINESS CAREERS REFERENCES PRESS ROOM CONTACT US LINKS

 **US Army Corps of Engineers** 

search usace Search 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 2011. To this end, the Corps is using valuable lessons learned to construct more resilient levees and floodwalls.



[See for yourself >>](#)

PUBLIC INFORMATION

6 **Hurricane & Flood Risk Reduction**
[Learn more about what the Corps is doing to reduce risk here>>](#)

Emergency Information
[Road Closures, Disaster Recovery, Parish Information and More>>](#)

Nola Environmental
Did you miss a meeting? No problem! Find presentations, summaries and [More>>](#)



TOP HEADLINES

[document confirming action on Westwego t Harvey](#)

[Corps releases environmental document fo public review](#)

[Corps to provide update on Westbank risk reduction projects](#)

[Corps Seeks Industry Input on Design and Construction Techniques for Westbank](#)

Scroll: [Faster](#) | [Slower](#) | [Off](#)
 [RSS](#) ([What is RSS?](#))

ASK THE CORPS

The Corps wants to hear from you!

Q. *Do you have information on the closing of Industrial Locks on August 1, 2008 for 60 days?*

A. *Yes, for information regarding the August 1st closing of the Inner Harbor Navigation Canal Lock, [please click here.](#)*

Submit questions or comments to askthecorps@usace.army.mil.

FEATURED VIDEOS

 **West Closure Complex**
Learn more about the alternatives under consideration to reduce risk on the Westbank. [Watch >>](#)

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

9/9/2008 [DISCLAIMER](#) [PUBLIC INQUIRIES](#) [PRIVACY AND SECURITY](#) [FOIA](#) [INFORMATION QUALITY ACT](#) [ACCESSIBILITY](#)

Internet

Building Strong