100 Year Hurricane Protection Projects
Lake Pontchartrain and Vicinity
West Bank and Vicinity

Project Status Meeting

Environmental Compliance

Project Management

June 12, 2007

US Army Corps of Engineers

NOLA Environmental

NEW ORLEANS, LOUISIANA

Environmental Compliance Data Bank

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Environmental Processes and NEPA Compliance

What is NEPA?

FEATURED PROJECT

USACE-MVN Emergency Alternative Arrangements
West Bank & Vicinity & Lake Pontchartrain & Vicinity
Hurricane Protection Projects

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.

The U.S. Army Corps of Engineers implemented alternative arrangements on March 13, 2007 as authorized by the National Environmental Policy Act. These arrangements were implemented to expedite the completion of environmental compliance for the proposed 100-year Hurricane Protection Project authorized by the Administration and Congress for the New Orleans Metropolitan area. (Learn More)

USACE Alternative Arrangements NEPA Process
USACE Alternative Arrangements NEPA Process Appendix

- Prepare Individual Environmental Reports (IER) in support of National Environmental Policy Act, (NEPA), Clean Water Act, Endangered Species Act, and other environmental laws.

- Monthly Interagency Meetings: U.S. Fish and Wildlife Service, National Marine Fisheries Service, Environmental Protection Agency, National Park Service, La Department of Wildlife and Fisheries, La Department of Natural Resources, and La Department of Environmental Quality.

- Monthly Stakeholders Meetings.

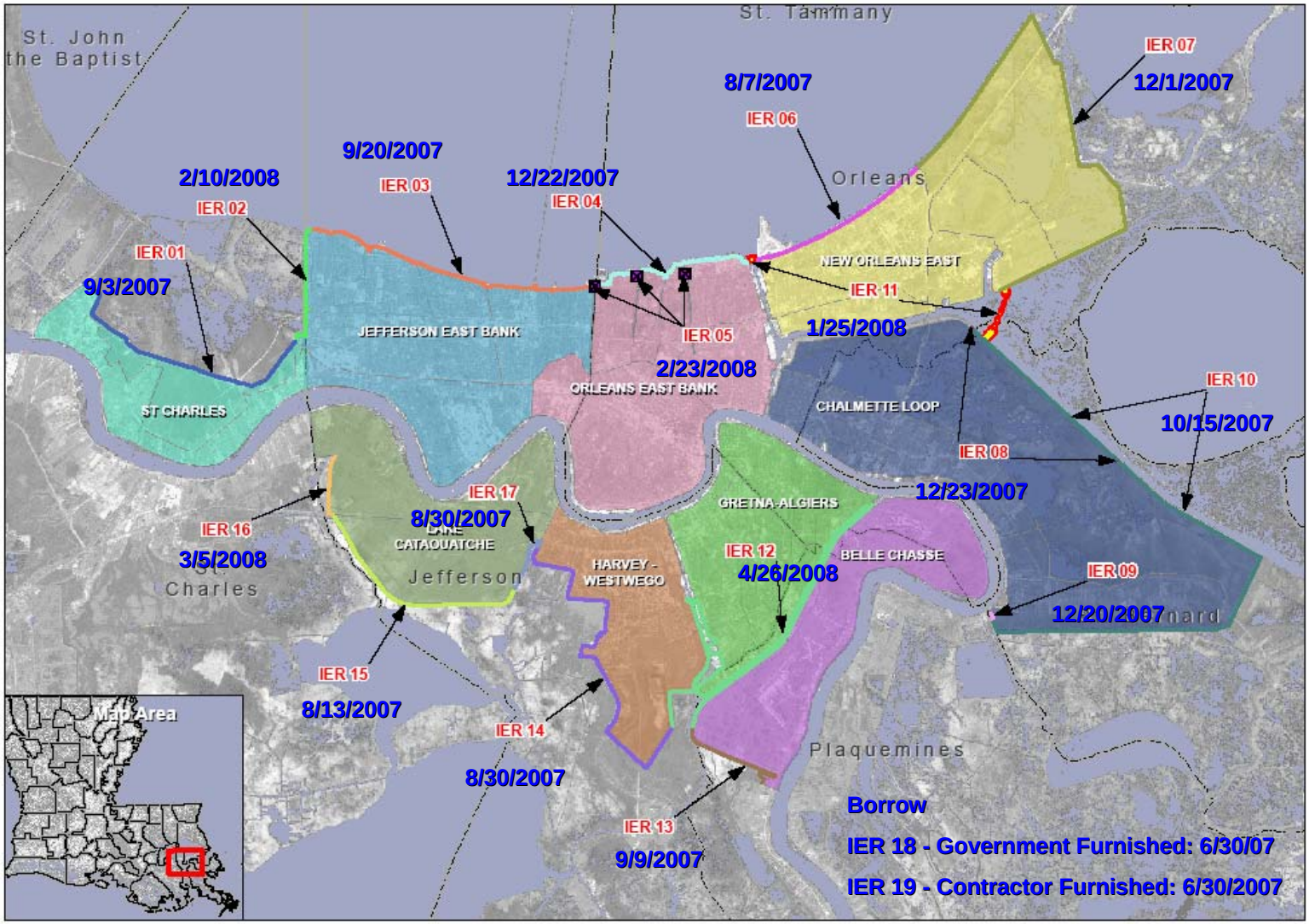
- Conduct cultural resources surveys to locate, identify, and assess historic standing structures, shipwrecks, prehistoric and historic archeological sites along the project corridors.

- Conduct Hazardous, Toxic and Radioactive Waste (HTRW) Phase I Environmental Site Assessments along the project corridors.

- Provide for a New Orleans Area Hurricane Protection System Environmental Justice program with community involvement, education, and conducting socioeconomic research in compliance with Executive Order 12898.

Tentative Start of Public Review Period for Draft IERs

Sub Basins and Representative Project Groups



US Army Corps of Engineers®

Lake Pontchartrain Hurricane Protection System

New Orleans Lakefront

Currently Planned Work (Returning System to Authorized Grade):

- LPV 102: Replacement of Topaz Gate with Levee
- LPV 103 and 104: Raise Levee to Originally Designed Height

Future Work (Increase Protection to 100-year Level):

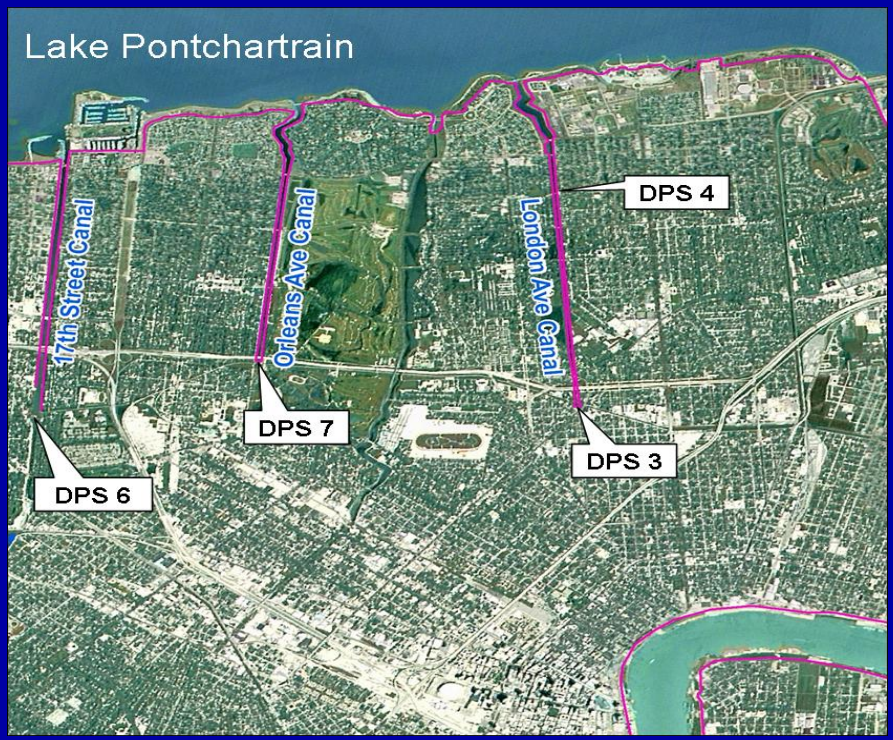
- Range of alternatives under analysis for LPV 101-104
- Estimated selection of alternative: February 2008

Outfall Canals

Current Work:

- Interim Closure Structures:
  - All hydraulic pumps functional by 2007 Hurricane Season
  - Additional capacity being added to London and 17th St. Canal
- 17th Street Canal Repairs
- London Avenue Canal Load Test
- AE firm working on Structural Repairs to walls of all Outfall Canals

Outfall Canal Closures and Permanent Pump Stations



- **Several alternatives under consideration**
- **Developing Best Engineering Solution with Senior Panel of Engineers and Stakeholder Input**
- **Estimated selection of alternative: April 2008**

New Orleans East

Currently Planned Work (Returning System to Authorized Grade):

- LPV 109: Design continues to raise levee to originally designed height

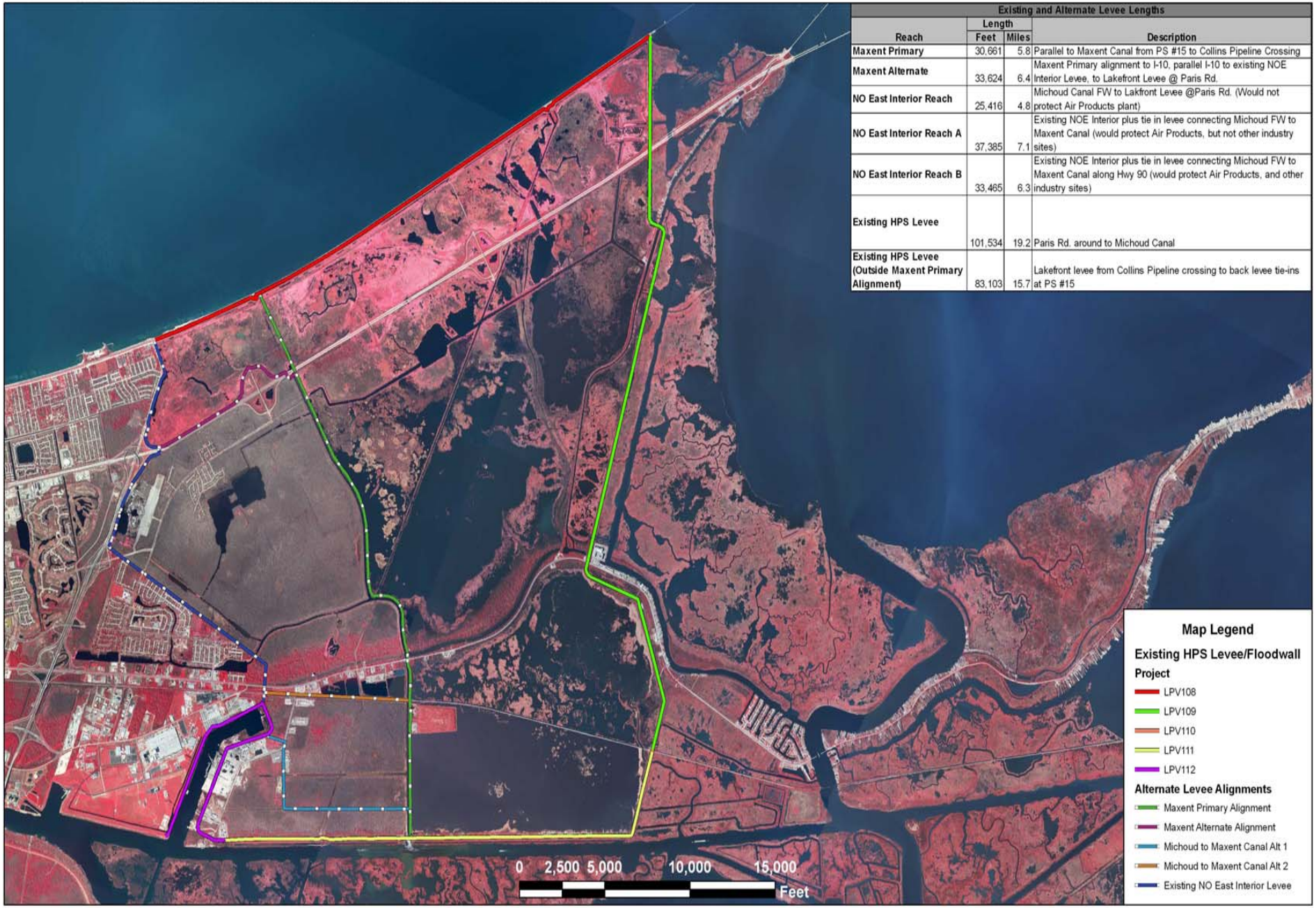
Future Work (Increase Protection to 100-year Level):

- **Range of alternatives under analysis for LPV 105-111**
- **Estimated selection of alternative:**
  - IER 6 (LPV 105-107): September 2007
  - IER 7 (LPV 108-111): January 2008

US Army Corps of Engineers

New Orleans East Existing and Alternate Levee/Floodwall Alignments

Including reach lengths for existing and proposed alternate levee alignments



Existing and Alternate Levee Lengths			
	Length		
Reach	Feet	Miles	Description
Maxent Primary	30,661	5.8	Parallel to Maxent Canal from PS #15 to Collins Pipeline Crossing
Maxent Alternate	33,624	6.4	Maxent Primary alignment to I-10, parallel I-10 to existing NOE Interior Levee, to Lakefront Levee @ Paris Rd.
NO East Interior Reach	25,416	4.8	Michoud Canal FW to Lakfront Levee @Paris Rd. (Would not protect Air Products plant)
NO East Interior Reach A	37,385	7.1	Existing NOE Interior plus tie in levee connecting Michoud FW to Maxent Canal (would protect Air Products, but not other industry sites)
NO East Interior Reach B	33,465	6.3	Existing NOE Interior plus tie in levee connecting Michoud FW to Maxent Canal along Hwy 90 (would protect Air Products, and other industry sites)
Existing HPS Levee	101,534	19.2	Paris Rd. around to Michoud Canal
Existing HPS Levee (Outside Maxent Primary Alignment)	83,103	15.7	Lakefront levee from Collins Pipeline crossing to back levee tie-ins at PS #15

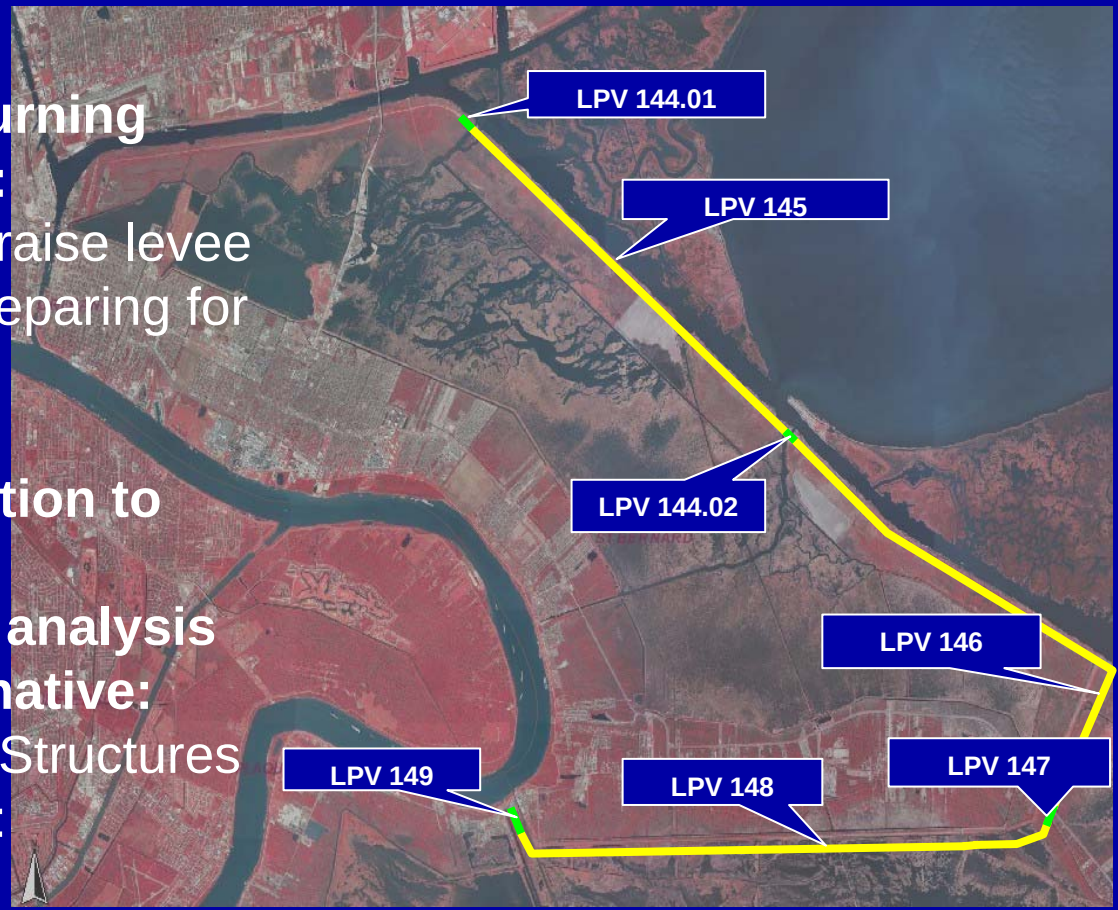
St. Bernard: Chalmette Loop

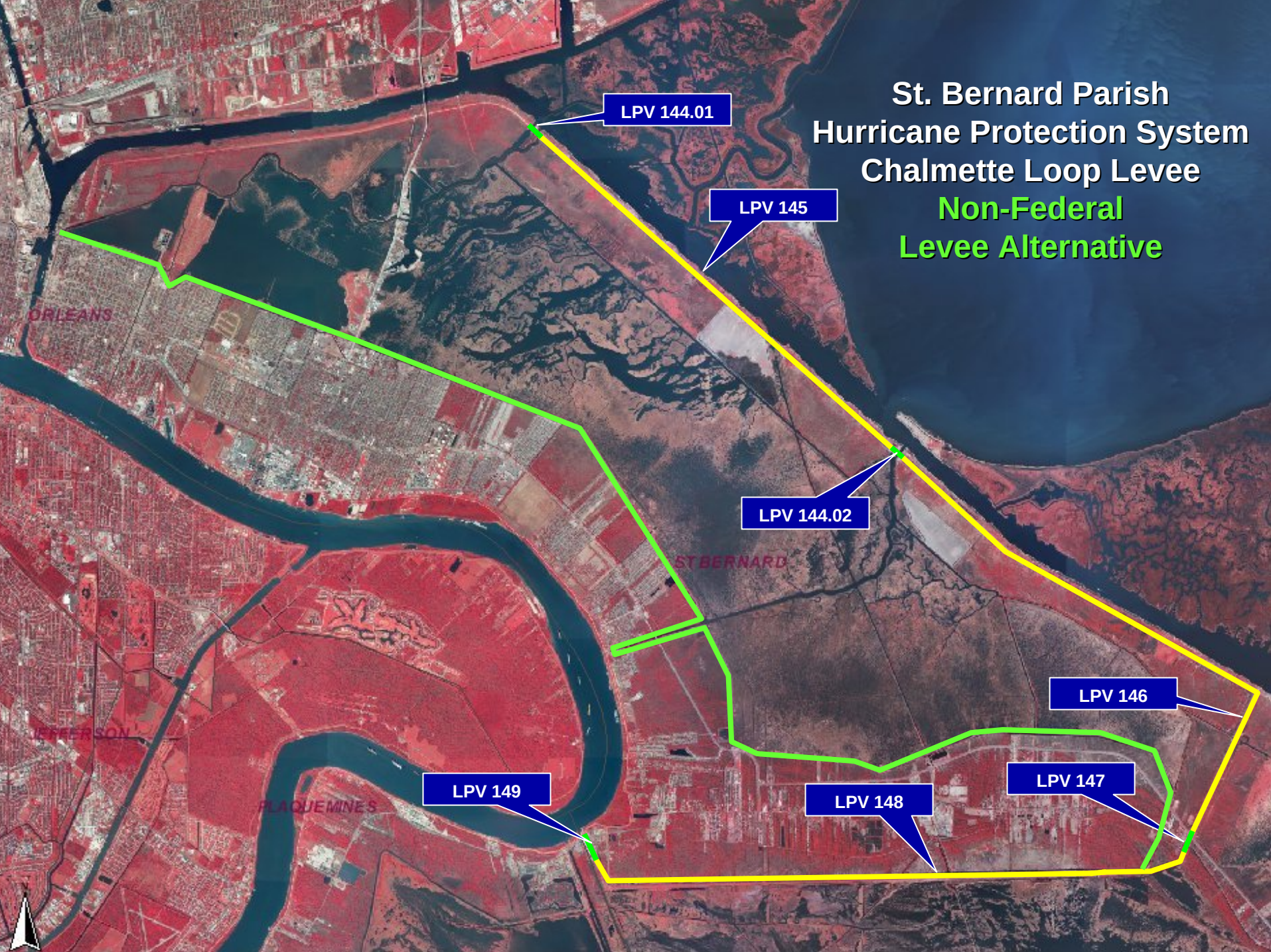
Currently Planned Work (Returning System to Authorized Grade):

- LPV 148: Design complete to raise levee to originally designed height; preparing for advertisement

Future Work (Increase Protection to 100-year Level):

- **Range of alternatives under analysis**
- **Estimated selection of alternative:**
  - IER 8 &9 (Bayou Control Structures and Caernarvon Floodwall): February 2008
  - IER 10 (LPV 145-148): October 2007



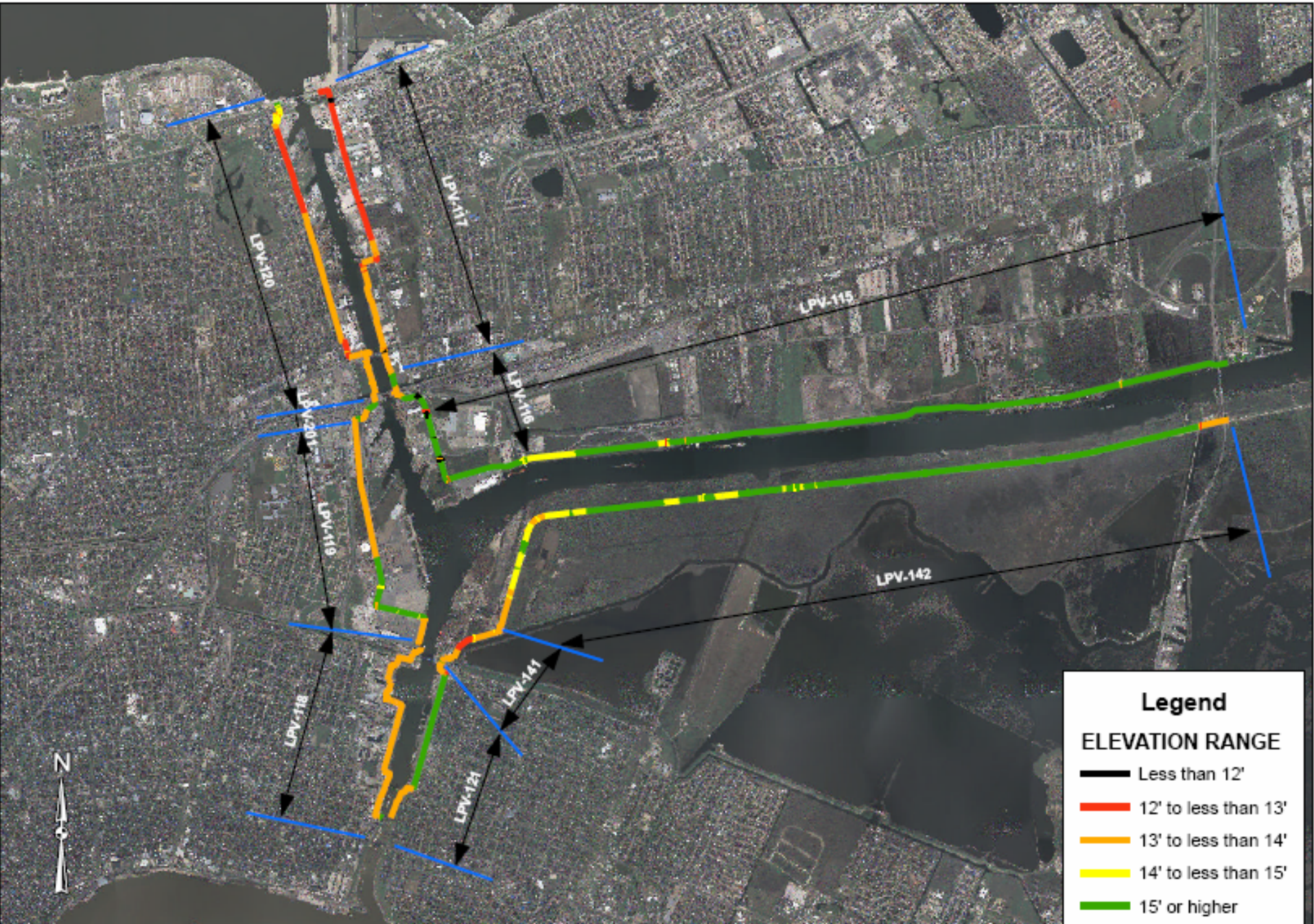

St. Bernard Parish
Hurricane Protection System
Chalmette Loop Levee
Non-Federal
Levee Alternative
LPV 144.01
LPV 145
LPV 144.02
LPV 146
LPV 147
LPV 148
LPV 149
ORLEANS
ST BERNARD
PLAQUEMINES

Improved Protection of the Inner Harbor Navigation Canal

US Army Corps of Engineers

IHNC Levee/Floodwall Elevation Status

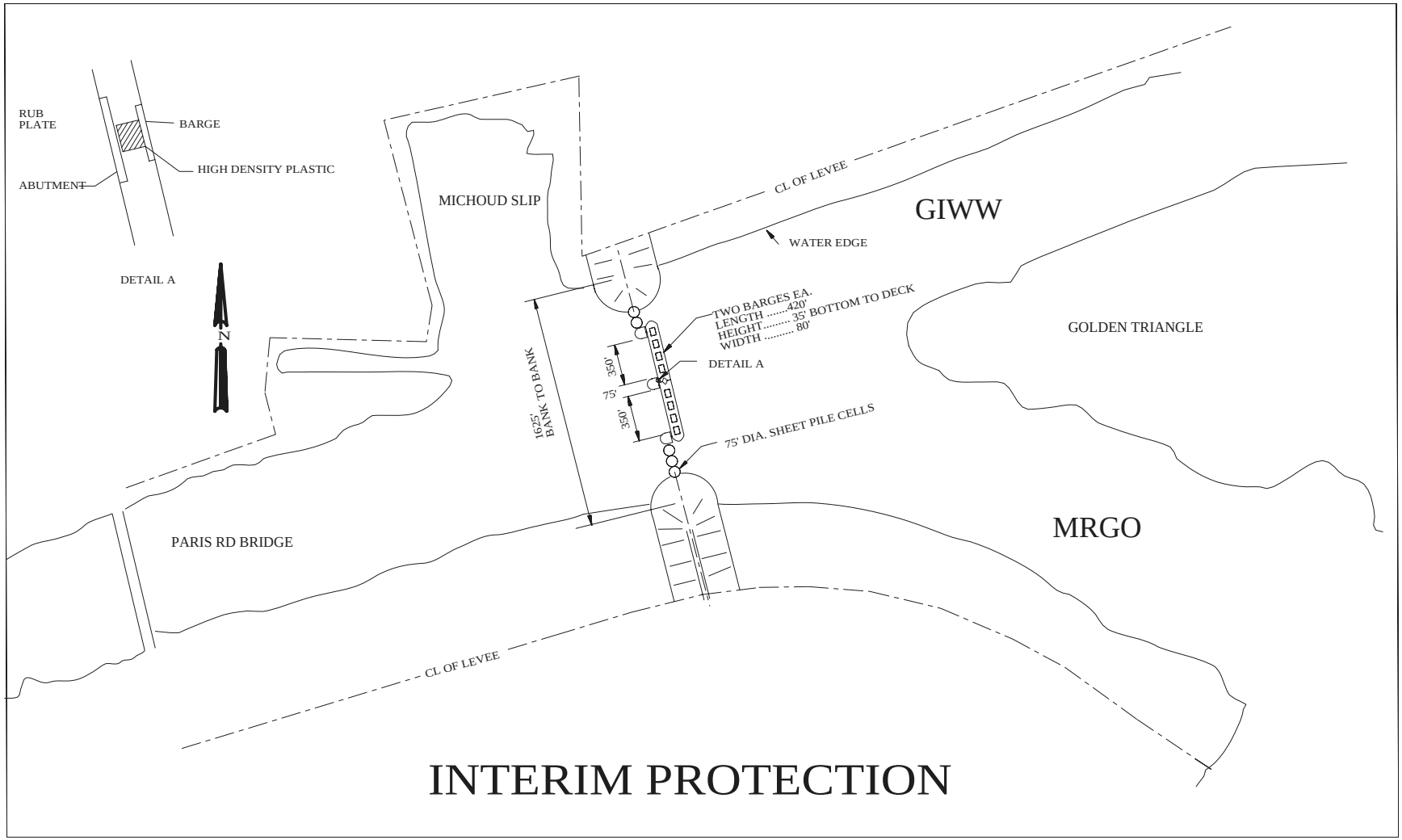
Current Conditions As of 17 May, 2007



Current Work

- 2007 Hurricane Season
  - Raised lower reaches of levee on the south side of the GIWW
  - Investigating other wall & gated structures
- 2008 Hurricane Season
  - Investigating a temporary gated structure East of Michoud Slip or other interim measures

Temporary Gate Concept



Work in Support of Permanent Solution

- Innovation Workshop
- Will soon advertise IHNC project to industry for Design and Construction
- Estimated selection of alternative for IER 11: March 2008

Questions?