

Existing Hurricane Protection Systems



Kenner, LA - 1947



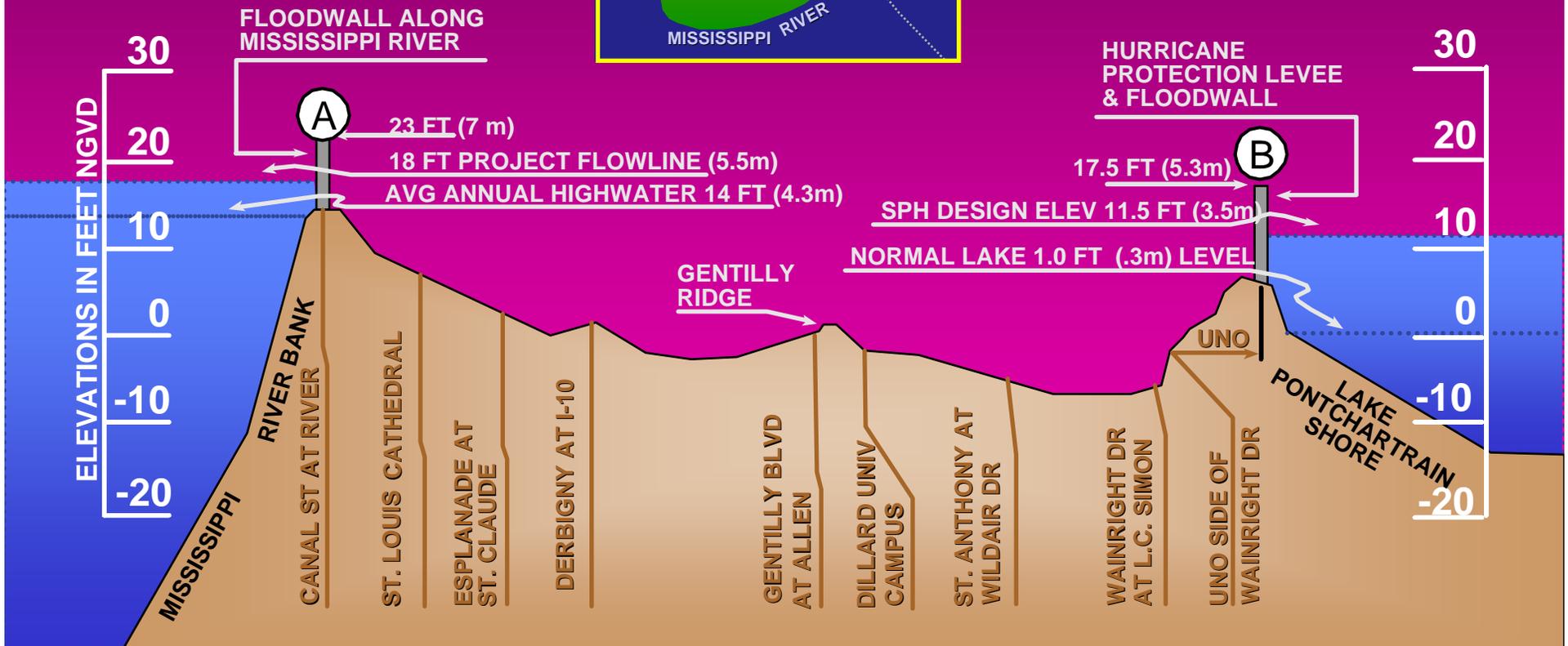
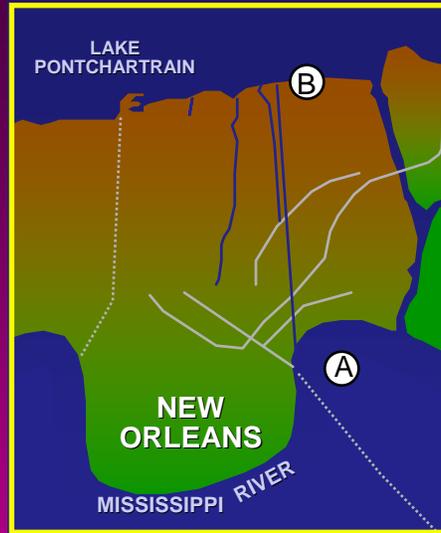
Kenner, LA – 1998





City of New Orleans Ground Elevations

From Canal St. at Mississippi River to the Lakefront at U.N.O.



Lake Pontchartrain & Vicinity Hurricane Protection Project



Lake Pontchartrain, LA and Vicinity Hurricane Protection Project

- The project was originally authorized in 1965.
- The project is located in St. Bernard, Orleans, Jefferson and St. Charles Parishes on the East Bank of the Mississippi River.
- The project was designed to protect against the Standard Project Hurricane (SPH)
- The project consists of over 120 miles of levees, floodwalls and floodgates.

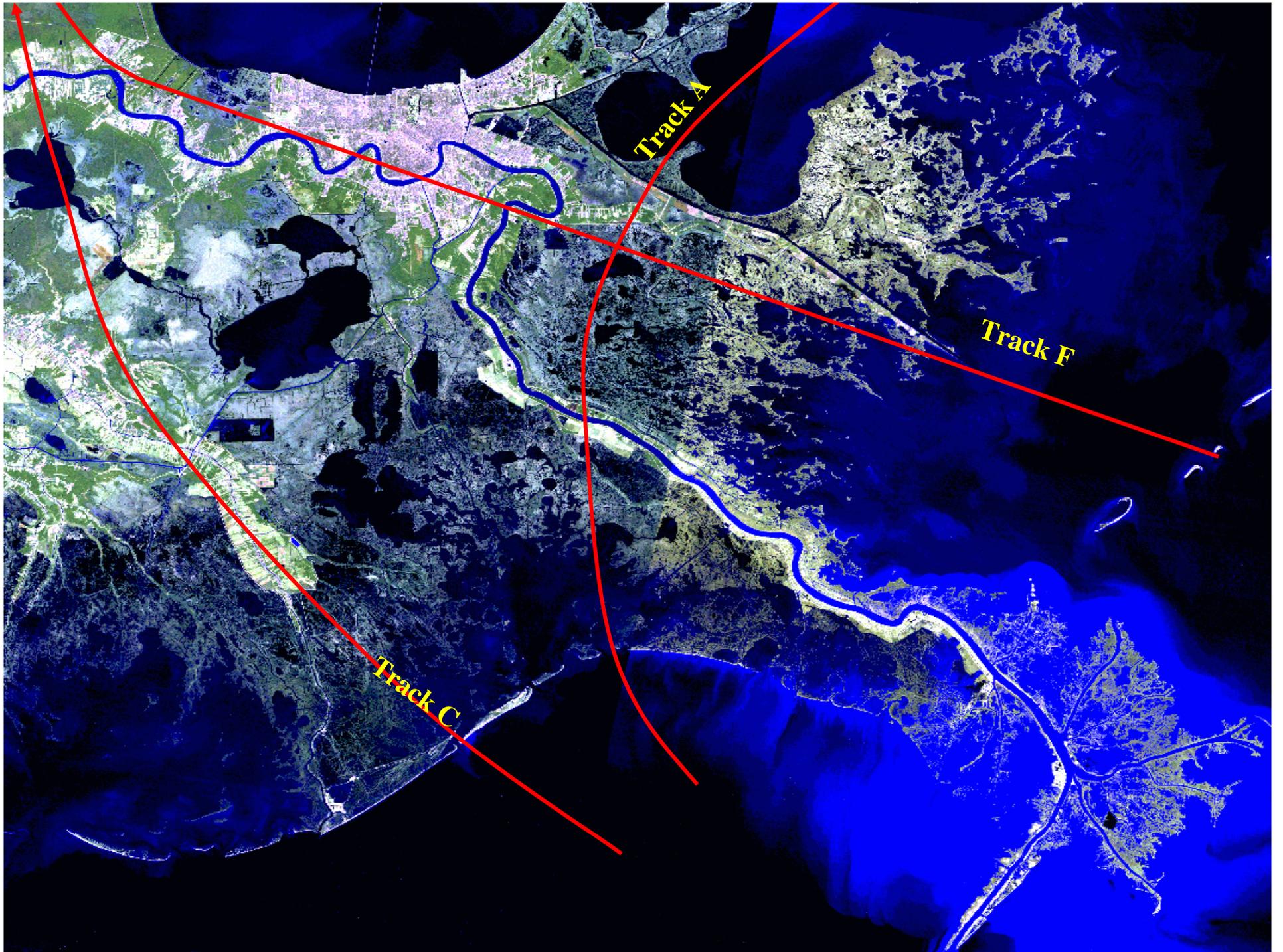
Existing Hurricane Protection Projects

Project	Level of Protection
Lake Pontchartrain & Vic (1965)	SPH *
W. Bank Hurricane Protection (1986)	SPH *
New Orleans to Venice (1962)	100-Year Frequency
Larose to Golden Meadow (1965)	100-Year Frequency
Grand Isle (1976)	50-Year Frequency

*** Standard Project Hurricane equivalent to fast moving, low-strength Category 3 storm on critical path**

Standard Project Hurricane

- ❑ Derived by the National Weather Service in 1957
- ❑ Central Pressure: 931 millibars
- ❑ Wind Speed: 177 kmph
- ❑ Radius of Maximum Winds: 48 km
- ❑ Forward Speed: 5 – 11 knots



West Bank & Vicinity, New Orleans, LA, Hurricane Protection Project



West Bank & Vicinity, New Orleans, LA, Hurricane Protection Project

- The project was originally authorized in 1986.
- The project is located in Jefferson, Orleans and Plaquemines Parishes on the West Bank of the Mississippi River.
- The project was designed to protect against the Standard Project Hurricane (SPH).
- The project consists of approx. 66 miles of levees, floodwalls and floodgates.

WEST SHORE - LAKE PONTCHARTRAIN FEASIBILITY STUDY

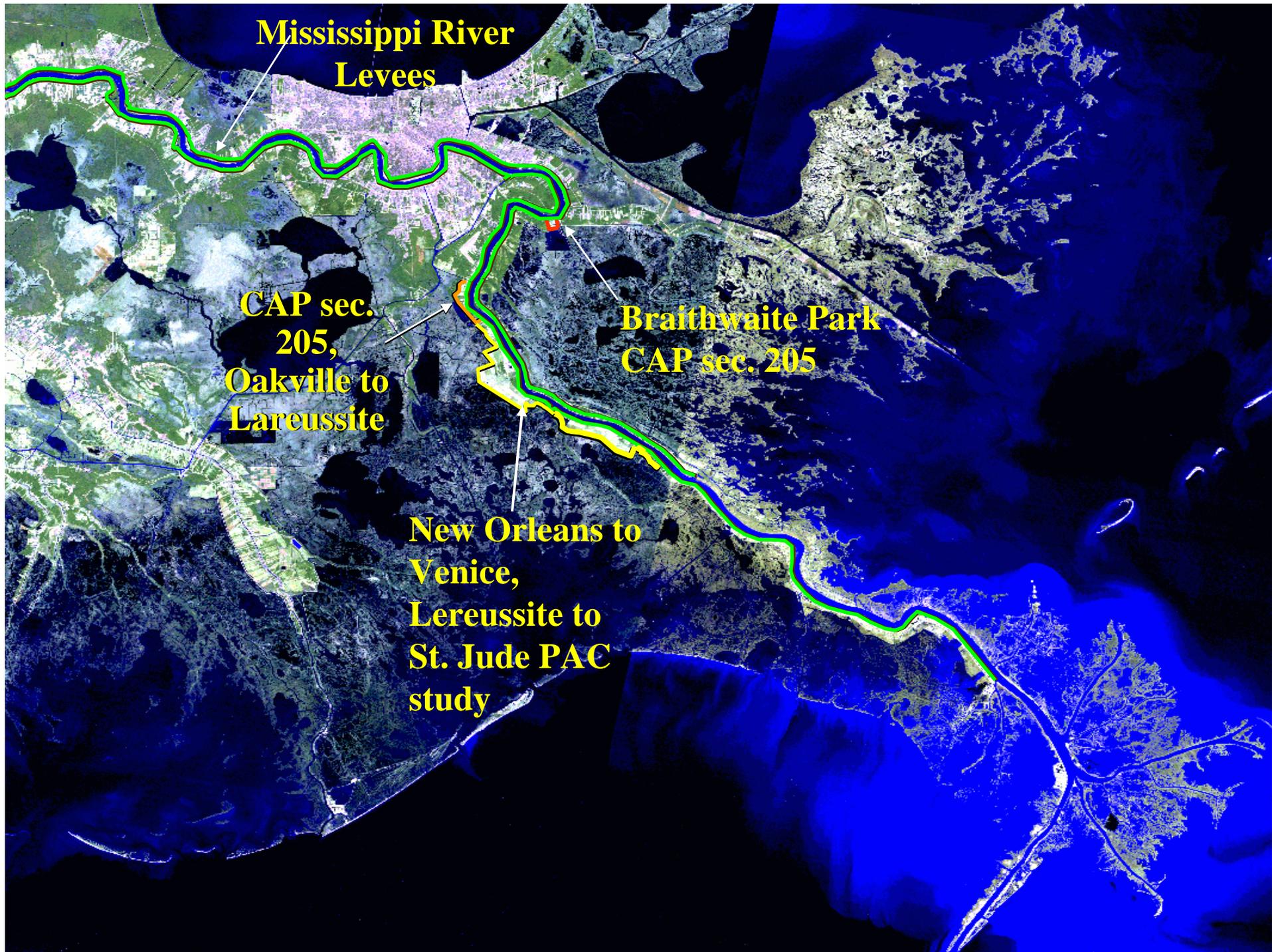
- The study was authorized in 1974 but a cost share agreement was not signed until 1998.
- The study area is located in St. Charles, St. John the Baptist and St. James Parishes on the East Bank of the Mississippi River.
- The study's purpose is to investigate increased levels of hurricane protection.
- The proposed plan is approx. 18 miles of levees and floodwalls and 4 pump stations.

New Orleans to Venice Hurricane Protection Project



New Orleans to Venice Hurricane Protection Project

- The project was authorized in 1962.
- The project is located in Plaquemines Parish on both the East and West Banks of the Mississippi River.
- The project was designed to protect against the 100-yr frequency storm.
- The project consists of 87 miles of levees, floodwalls and floodgates.



**Mississippi River
Levees**

**CAP sec.
205,
Oakville to
Lareussite**

**Braithwaite Park
CAP sec. 205**

**New Orleans to
Venice,
Lereussite to
St. Jude PAC
study**

Mississippi River Levees

- The project was originally authorized in 1928.
- The project extends along the river on the West Bank from Black Hawk, La. to Venice and the East Bank from Baton rouge La. to Bohemia, La.
- The project was designed to protect against a Project Flood.
- The project consists of over 450 miles of levees, floodwalls and floodgates and 3 major flood diversion structures.

CAP Section 205, Oakville to Lareussite

- The study was authorized in 2000.
- The study is located in Plaquemines Parish on the West bank of the Mississippi River.
- The study purpose is to investigate increased levels of hurricane protection.
- The proposed plan consists of approx. 8 miles of levees and floodwalls.

Braithwaite Park CAP Section 205

- The Feasibility Study was submitted in 2004.
- The study area is located in Plaquemines Parish on the East bank of the Mississippi River.
- The project is designed to protect against a 50-yr frequency design storm.
- The proposed plan consists of 13,570 feet of levees and Floodwalls and floodgates.

New Orleans to Venice, Lereussite to St. Jude PAC study

- The Post Authorization Change Study was authorized in 2004.
- The study is located in Plaquemines Parish on the West bank of the Mississippi River.
- The study purpose is to investigate increased levels of hurricane protection to 100-yr frequency storm.
- The proposed plan consists of approx. 26 miles of levees and floodwalls.

Donaldsonville, LA to the Gulf of Mexico

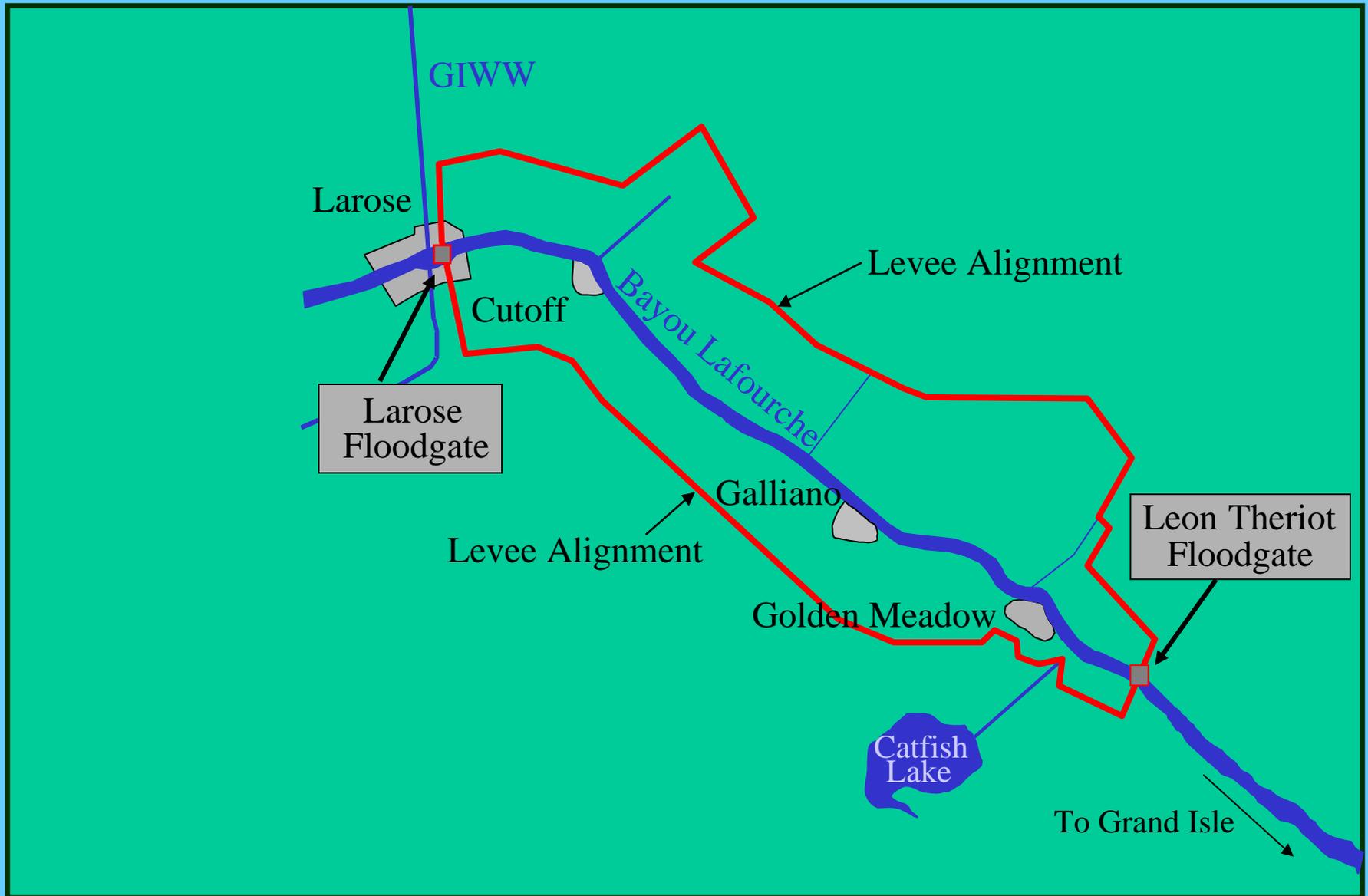
Possible Hurricane Levee Alignments



Donaldsonville, La. to the Gulf of Mexico

- The study was authorized in 1998.
- The study area is located in Ascension, Assumption, St. James, St. James, St. John the Baptist, Lafourche, St. Chares and Jefferson Parishes west of the Mississippi River.
- The study purpose is to investigate increased levels of hurricane protection.
- Currently 4 alignments are being considered ranging from 130 miles to 27 miles long.

LAROSE TO GOLDEN MEADOW, HURRICANE PROTECTION PROJECT



LAROSE TO GOLDEN MEADOW, HURRICANE PROTECTION PROJECT

- The project was authorized in 1965.
- The project is located in Lafourche Parish along Bayou Lafourche.
- The project was designed to protect against the 100-yr frequency storm.
- The project consists of approx. 40 miles of levees and floodwalls with a navigable floodgate at each end of the Bayou.



Morganza, La. To the Gulf of Mexico, Hurricane Protection Project

- The Feasibility Report was submitted in 2002.
- The project is located in Terrebonne and Lafourche Parishes South of Houma, La.
- The project was designed to protect against the 100-yr frequency storm.
- The project consists of approx. 72 miles of levees and floodwalls with numerous navigable floodgates and water control structures. A lock in the Houma Navigation Channel is also part of the project.

Lower Atchafalaya Basin Reevaluation Study



Lower Atchafalaya Basin Reevaluation Study

- The study was authorized in 1994.
- The study area is located in Iberville, West Baton Rouge, St. Martin, Ascension, Iberia, Assumption, St. Mary, Terrebonne and Lafourche Parishes west of the Atchafalaya River.
- The study is to investigate providing protection against backwater flooding from the Atchafalaya River.
- The proposed plan consists of approx. 30 miles of levees and floodwalls with several navigable floodgates, pumping stations and a lock/pump station complex.

Morgan City and Vicinity, La., Hurricane Protection Project

- The project was authorized in 1965.
- The project is located in St. Mary Parish west of the Atchafalaya River.
- The project was designed to protect against the 100-yr frequency storm.
- The proposed plan consists of approx. 10 miles of levees and floodwalls

Flood Control, Mississippi River & Tribs., Atchafalaya Basin, La.

- The project was originally authorized in 1928.
- The project is located in south-central Louisiana with the Atchafalaya River flowing through the middle of the basin.
- The purpose of the project is to carry half of the Project Flood from the Mississippi River.
- The project consists of a leveed/flood walled floodway about 15 miles wide and 110 miles long from Old River to the Gulf of Mexico. There are numerous drainage structures, pump stations floodgates and locks.

