

River Reintroduction Into the Maurepas Swamp Project Updates

David Casebeer
Project Manager
CPRA

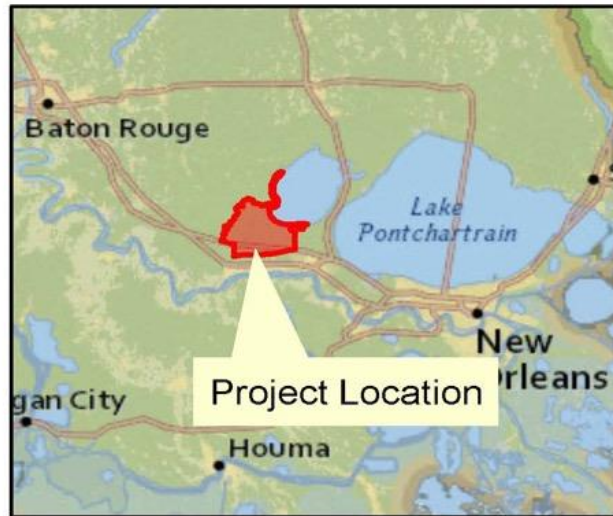


Project Area

St. John the Baptist,
St. James, and Ascension
Parishes, Louisiana

LEGEND

-  Project Boundary
-  Project Infrastructure



0 1.5 3 6 Miles



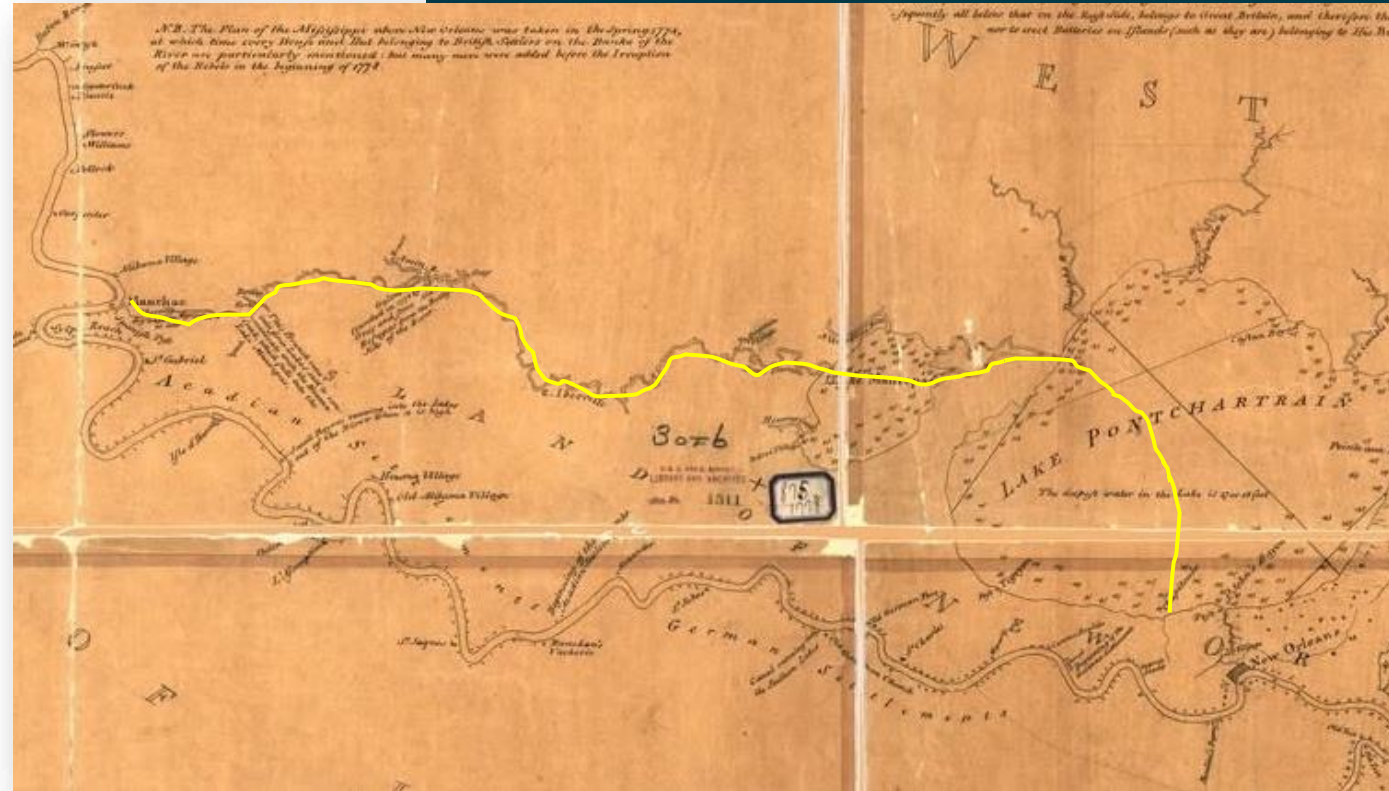
Project Origins

- Included in several restoration plans:
 - 1993 Louisiana Coastal Restoration Plan
 - 1998 Louisiana Coast 2050 Report
 - 1999 Mississippi River Sediment, Nutrient and Freshwater Reintroduction Study
- 2000-2001 CWPPRA Phase 0 and 1
- 2004 Louisiana Coastal Area Plan (Hope Canal)
- 2012, 2017, 2023 Coastal Master Plans



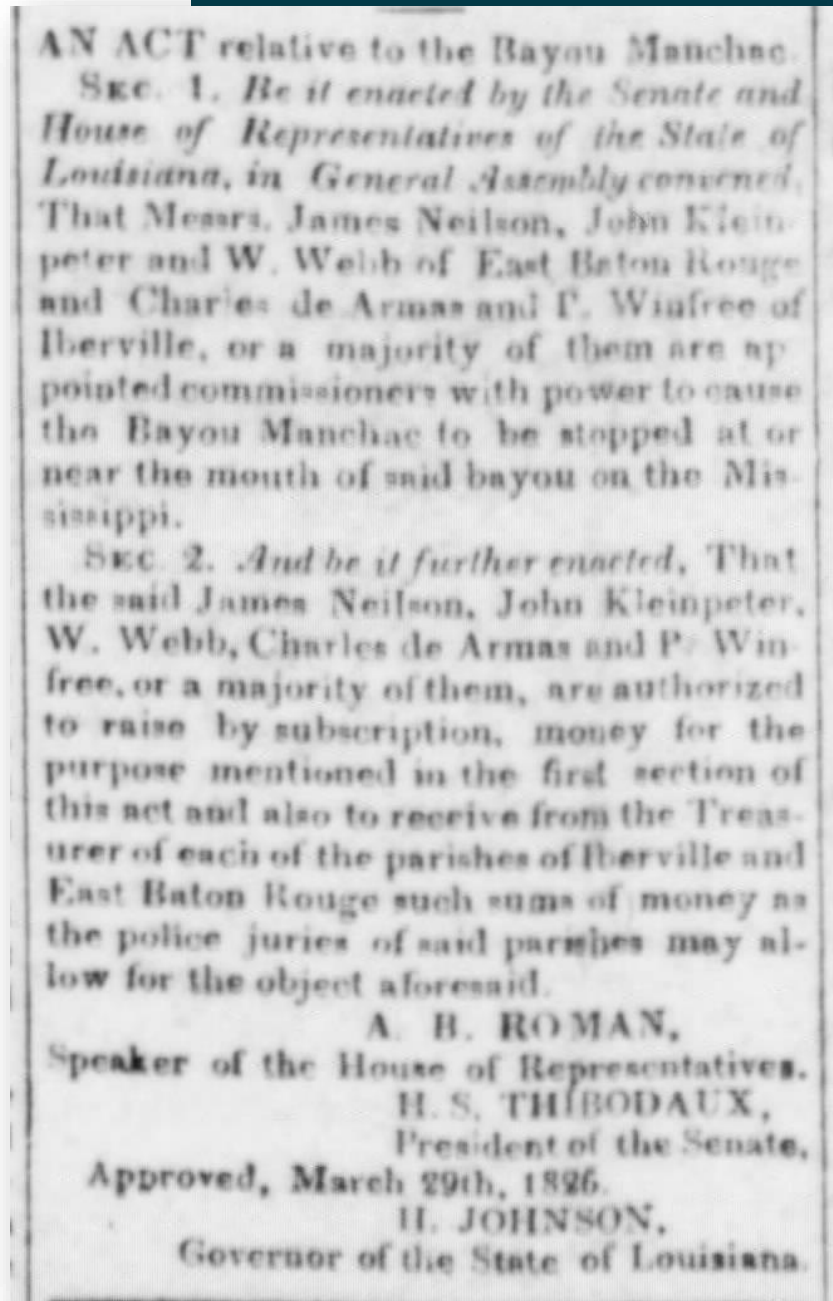
Causes of Swamp Decline

- 1814 - Andrew Jackson blockade of Bayou Manchac at Mississippi River
- 1826 - State of Louisiana made permanent, cut off main source of freshwater and sediment
- 1900 - 1920 - Clearcutting of swamp
- 1927 - Great Flood - USACE levees
- Hydrologic alteration
- Saltwater intrusion
- Lack of regeneration



Causes of Swamp Decline

- 1814 - Andrew Jackson blockade of Bayou Manchac at Mississippi River
- 1826 - State of Louisiana made permanent, cut off main source of freshwater and sediment
- 1900 - 1920 - Clearcutting of swamp
- 1927 - Great Flood - USACE levees
- Hydrologic alteration
- Saltwater intrusion
- Lack of regeneration



Causes of Swamp Decline

- 1814 - Andrew Jackson blockade of Bayou Manchac at Mississippi River
- 1826 - State of Louisiana made permanent, cut off main source of freshwater and sediment
- 1900 - 1920 - Clearcutting of swamp
- 1927 - Great Flood - USACE levees
- Hydrologic alteration
- Saltwater intrusion
- Lack of regeneration

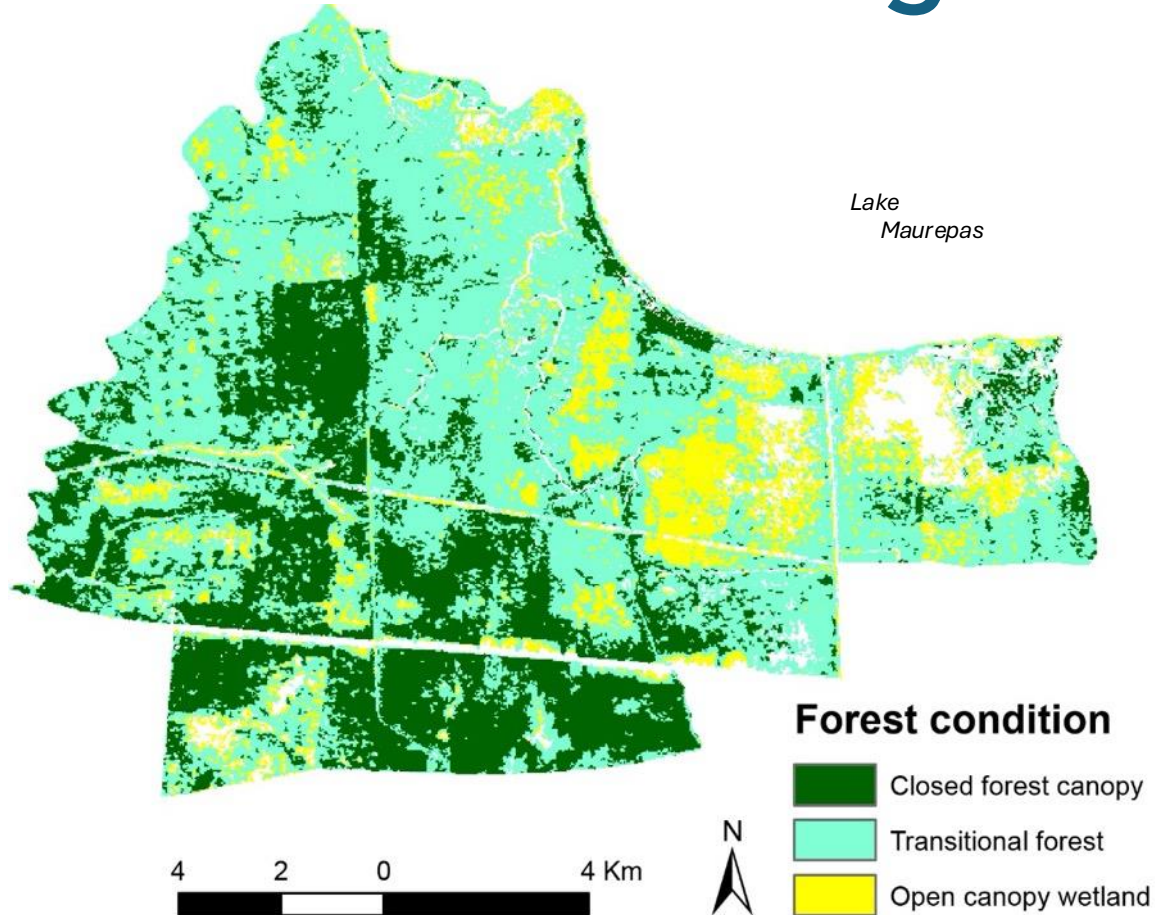


Causes of Swamp Decline

- 1814 - Andrew Jackson blockade of Bayou Manchac at Mississippi River
- 1826 - State of Louisiana made permanent, cut off main source of freshwater and sediment
- 1900 - 1920 - Clearcutting of swamp
- 1927 - Great Flood - USACE levees
- Hydrologic alteration
- Saltwater intrusion
- Lack of regeneration



Project Area Wetland Loss/Habitat Change



4,991 ha
Closed forest
canopy



9,672 ha
Transitional
forest

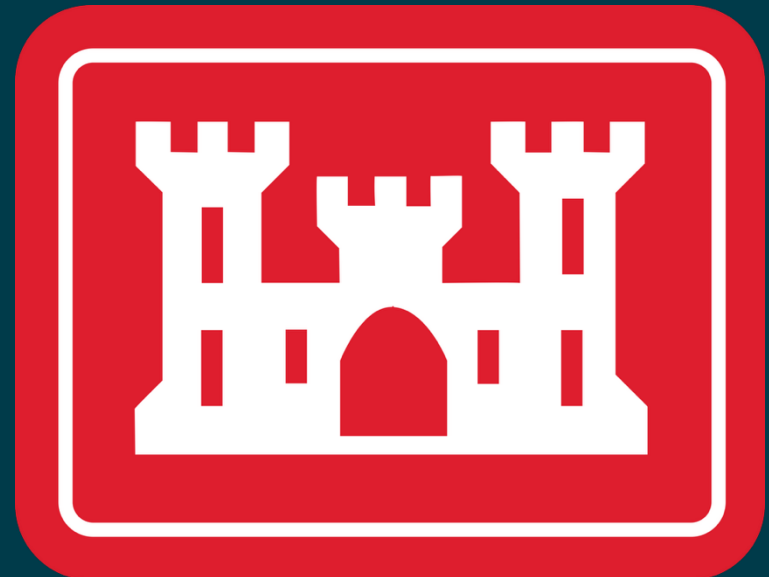


1,920 ha
Open canopy
wetland (marsh)

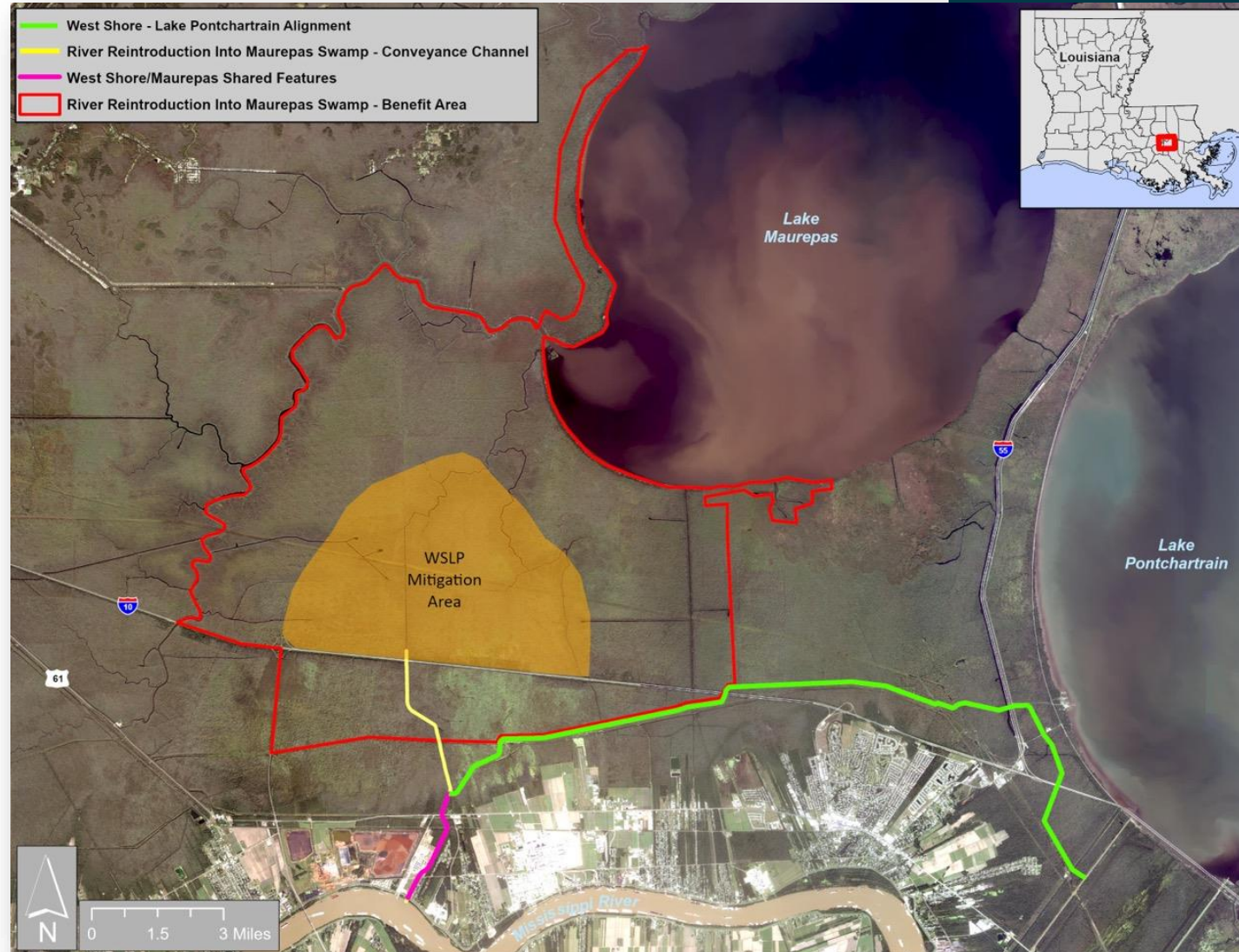


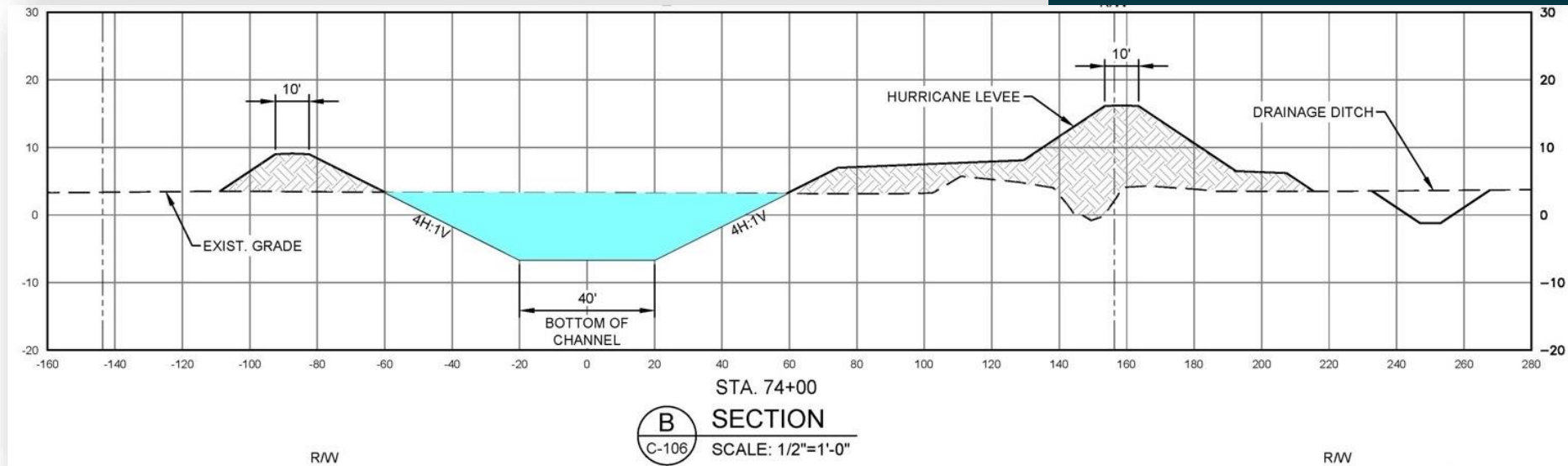
West Shore Lake Pontchartrain Levee Project Integration

- 2014: 95% Design Report (utilized CWPPRA State-only surplus and NFWF funds)
- 2017: DWH RESTORE Bucket 2 Funds to complete design
- 2018: BBA 18 Provides Funding to construct WSLP
- 2019: State asks USACE to consider MSP as mitigation for WSLP. Leads to OMMAM Plan, Updated Delft3D Model, New Wetland Value Assessment, Mitigation Plan and appendices.
- January 2023: ROD to use Maurepas as the mitigation for WSLP

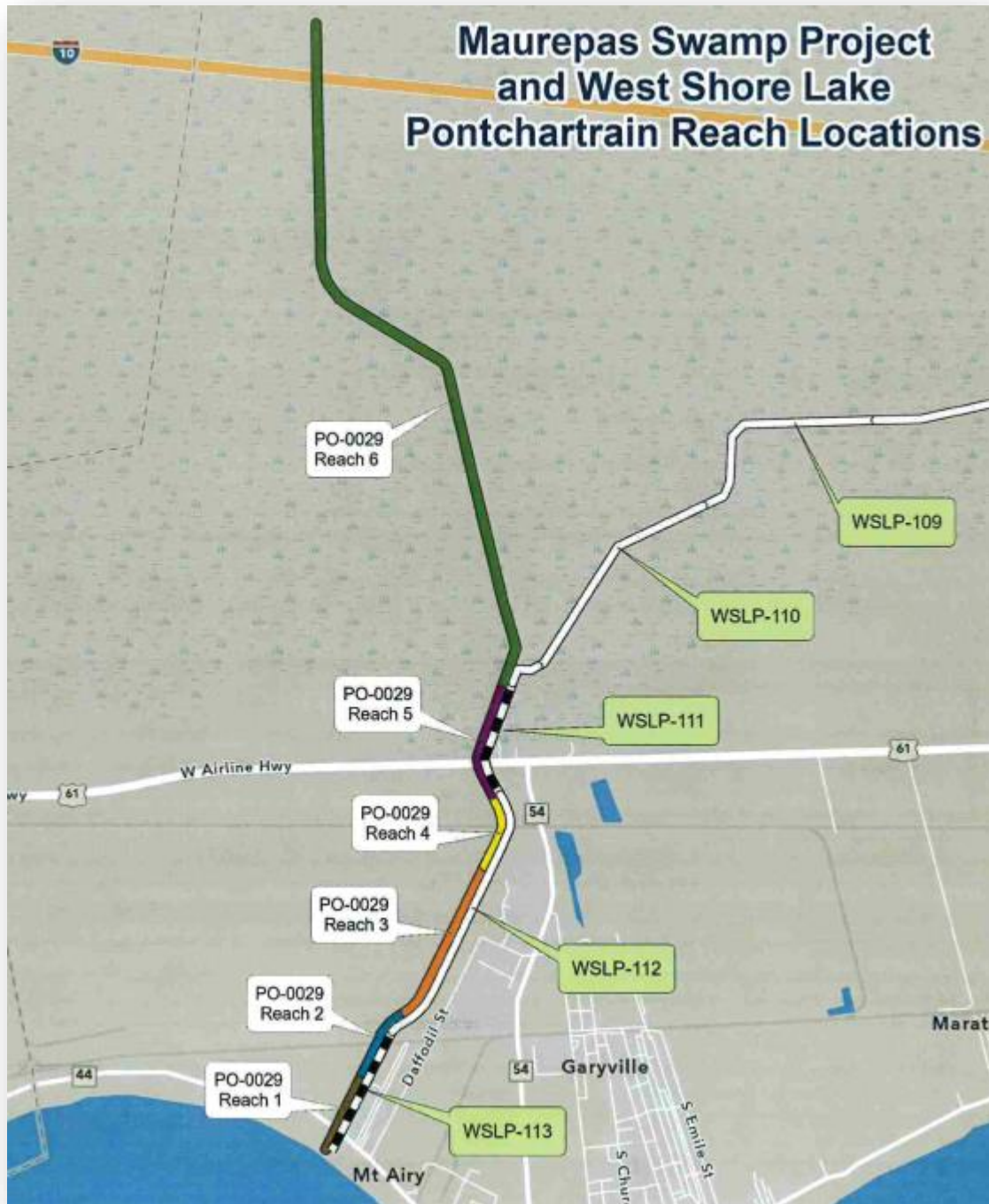


West Shore Lake Pontchartrain Levee Project Integration



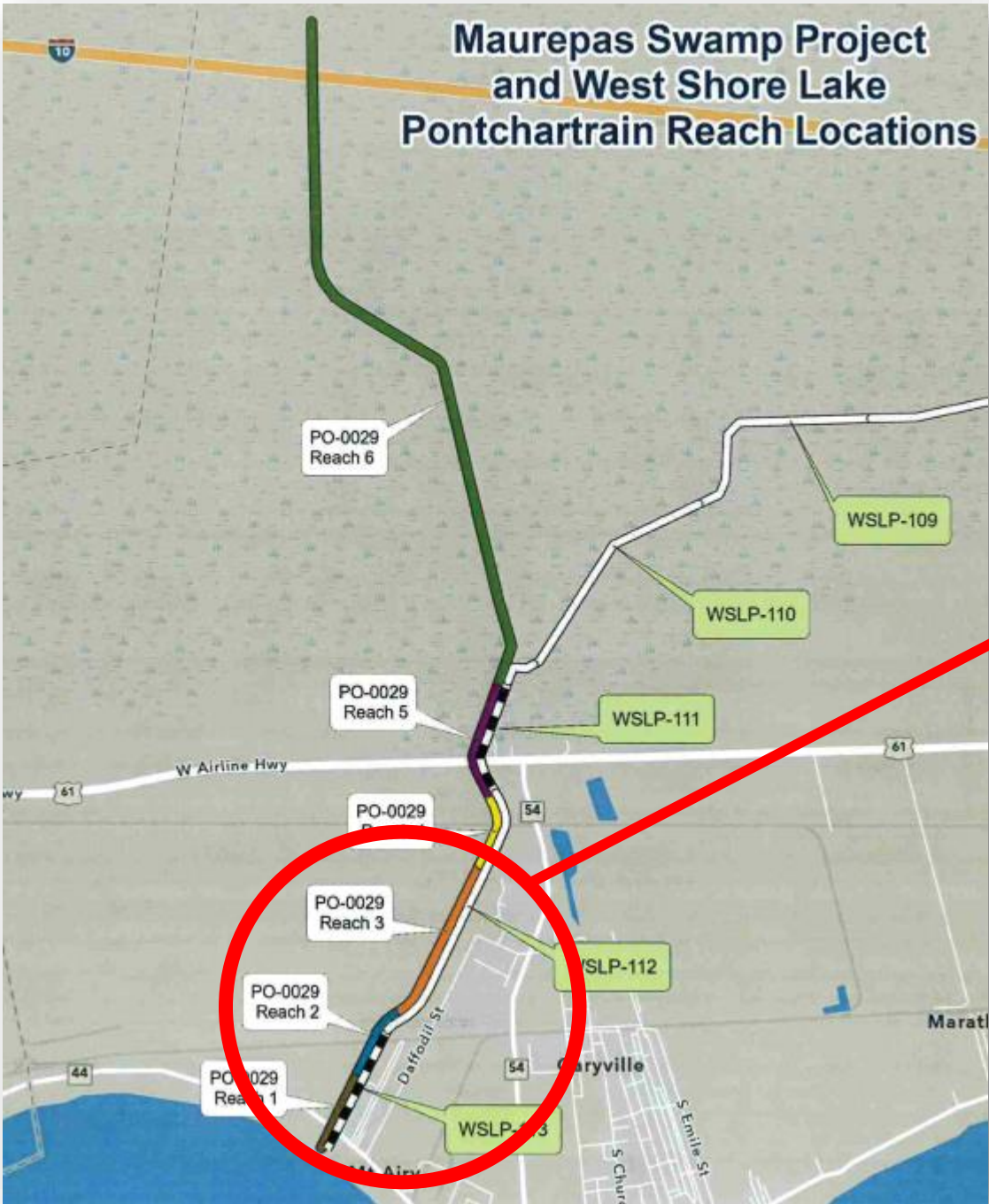


Maurepas Swamp Project and West Shore Lake Pontchartrain Reach Locations



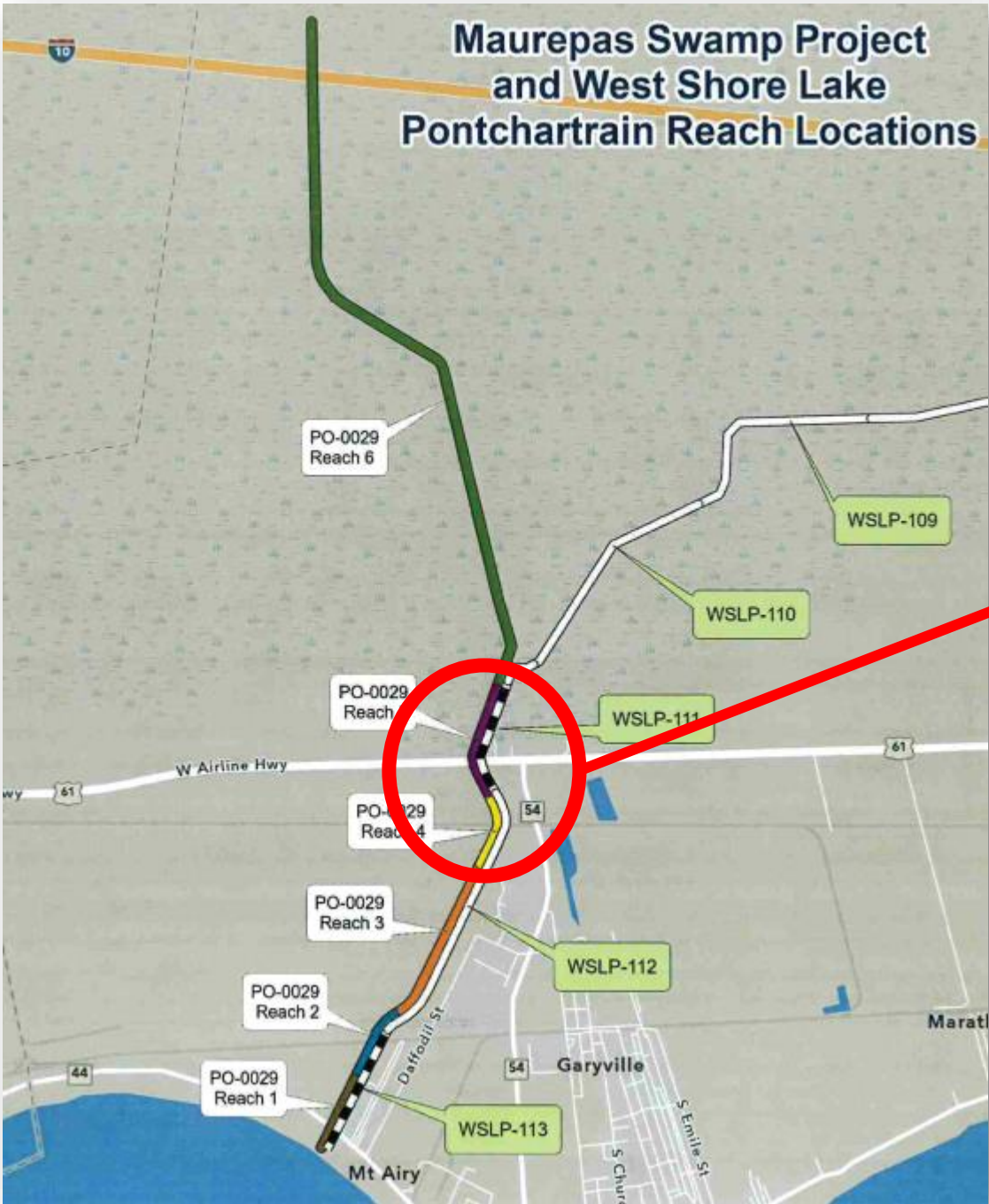
Reach	Description	Construction
1/2/3	Intake Headworks River Road Crossing CN Railroad Crossing Channel/Levee Section	June 2027 - May 2031
4/5	Airline Highway Bridge CPKC Rail Crossing Channel/Levee Section	Mar 2028 - Aug 2029
6 Phase 2	Outfall Features/Guide Levee Lift	May 2027 - Dec 2029

Maurepas Swamp Project and West Shore Lake Pontchartrain Reach Locations

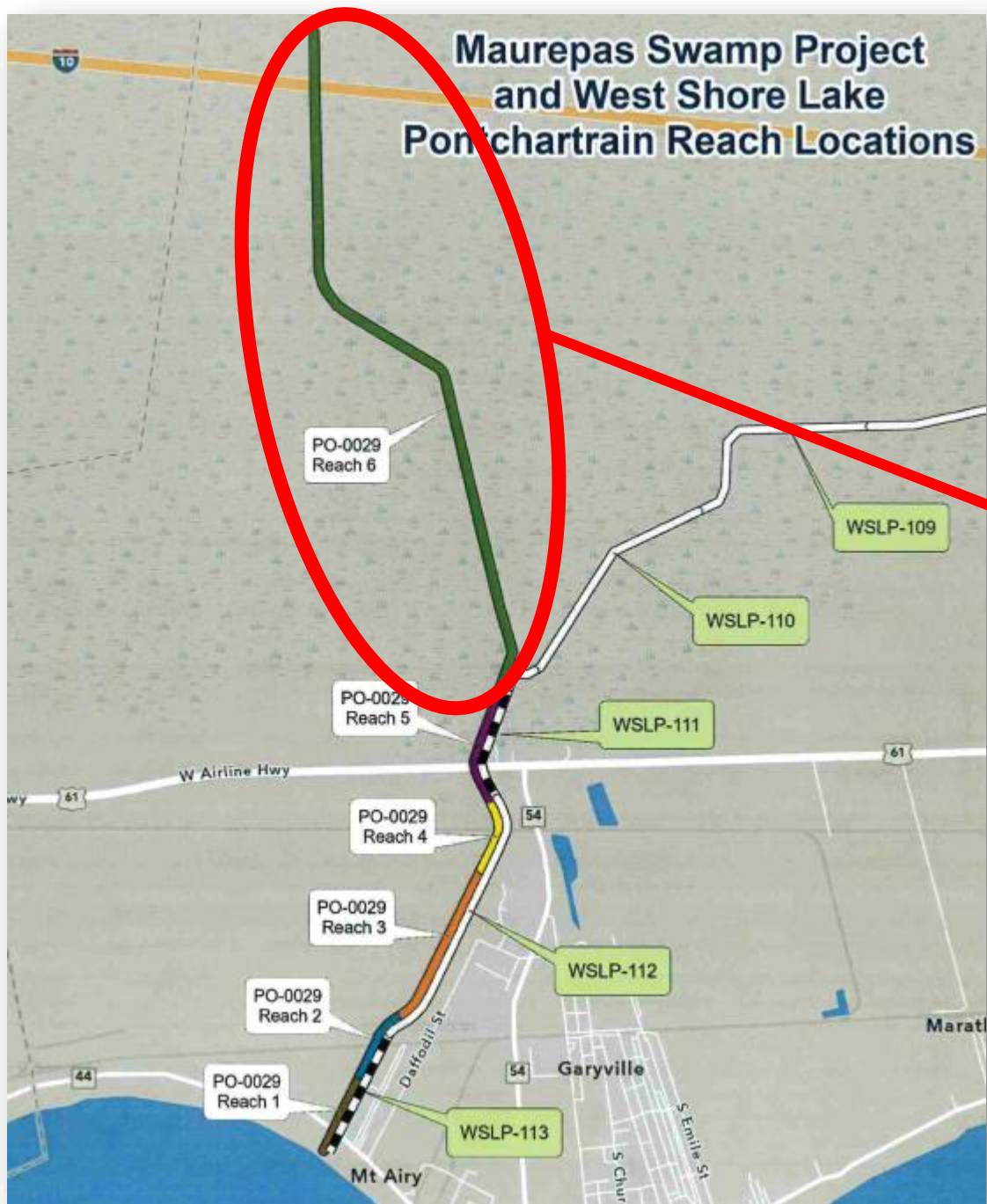


Reach	Description	Construction
1/2/3	Intake Headworks CN Rial Crossing Channel/Levee Section	June 2027 - May 2031
Construction Elements		- Mississippi River Temporary Cofferdam - Highway 44 Raise - Intake structure - Sediment Basin - Drainage - Channel excavation - Levee construction - Culverts - Rail crossing
Construction Activities:		- Excavation - Pile Driving - Road Work - Earth Moving - Concrete Pours - Delivery of material and equipment

**Maurepas Swamp Project
and West Shore Lake
Pontchartrain Reach Locations**



Reach	Description	Construction
4/5	CPCCK (KCS) Railroad Crossing Airline Highway Bridge	Mar 2028 - Aug 2029
Construction Elements		• Channel excavation • US 61 Bridge • Levee construction • Culverts • Rail crossing • Drainage
Construction Activities:		• Excavation • Road work • Pile Driving • Concrete Pours • Delivery of material and equipment



Reach	Description	Construction
6 (Ph. 2)	Outfall Features Guide Levee Lift Channel/Levee Section	May 2027 - Dec 2029
Construction Elements		• Hope Canal Dredging • Boat Ramp • Outfall Control Features
Construction Activities:		• Dredging • Excavation • Culvert and valve installation • Delivery of material and equipment

Reach 6 Construction Progress



Reach 6 Construction Progress





OUR LADY OF BLIND RIVER

Questions?

CONNECT WITH US!
[@LOUISIANACPRA](#)