Louisiana's Coastal Master Plan

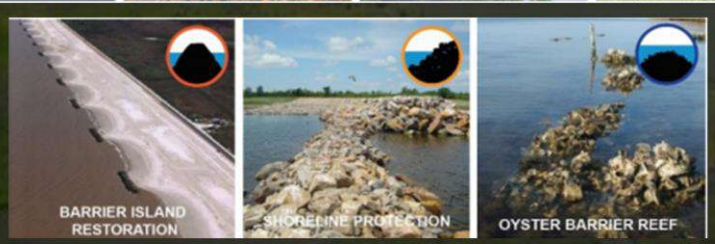
River-Reintroductions to Wetlands

Edward Dufresne Community Center

March 31, 2022

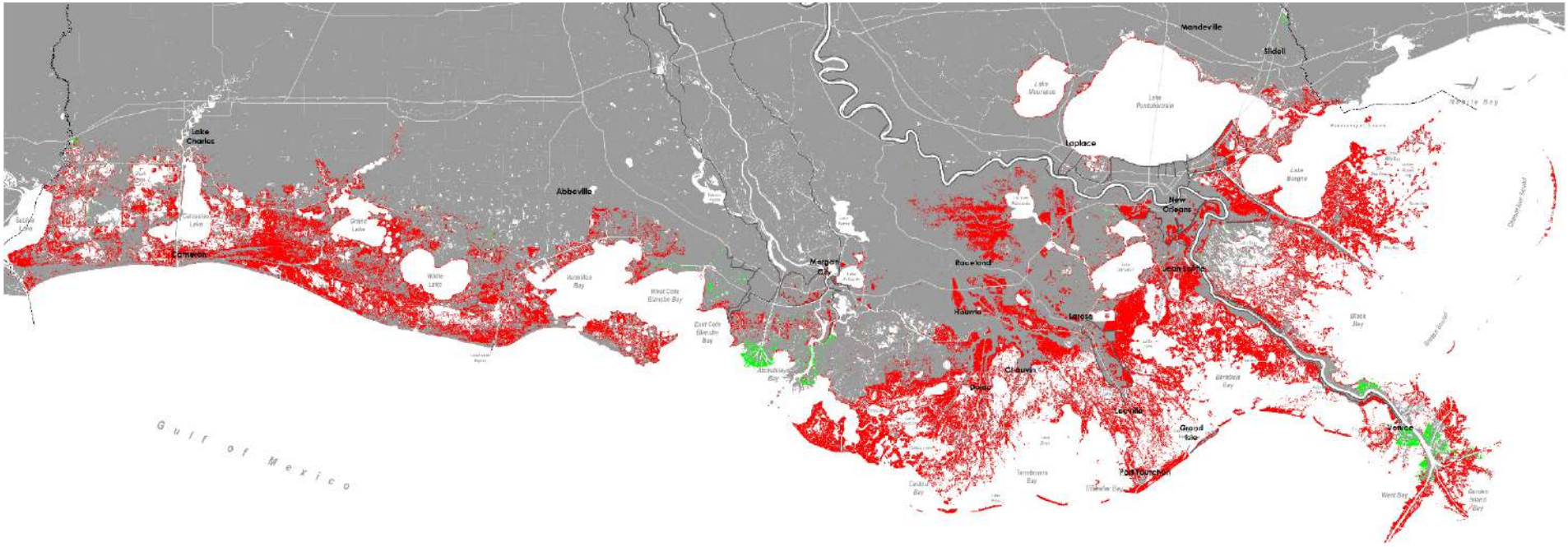
Single state entity with authority to articulate a clear statement of priorities to achieve comprehensive coastal protection and restoration for Louisiana.

Mandate is to develop, implement, and enforce a comprehensive
coastal protection and restoration master plan.



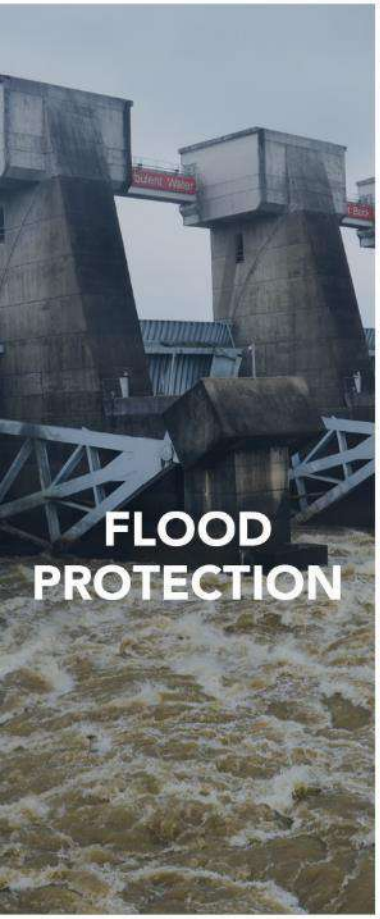
Predicted land change

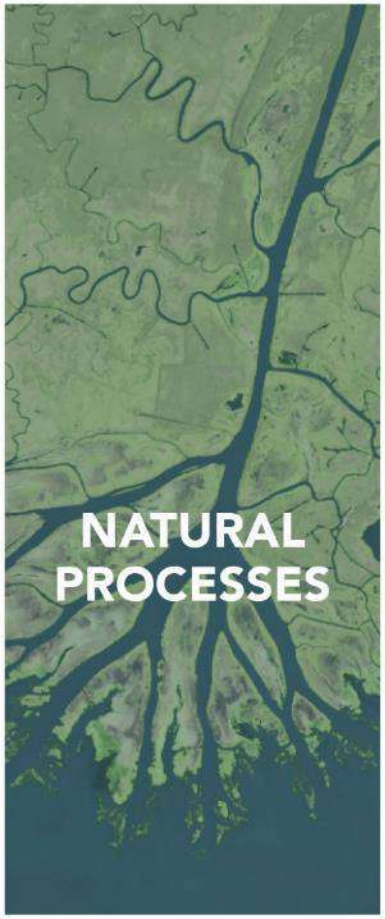
Future Without Action | Year 50 | Medium Scenario

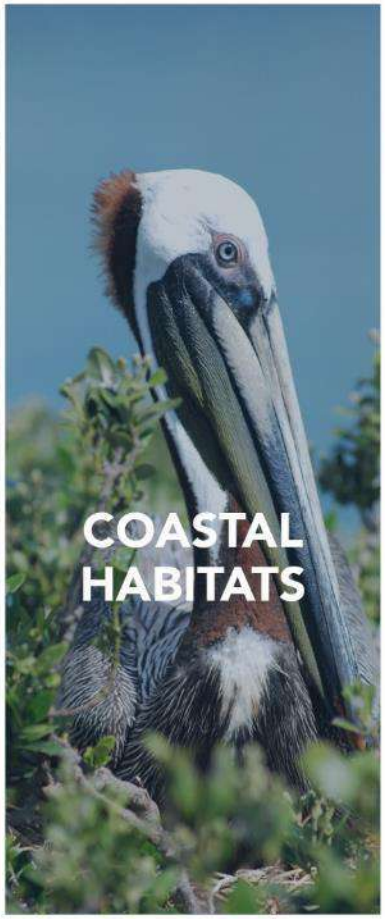


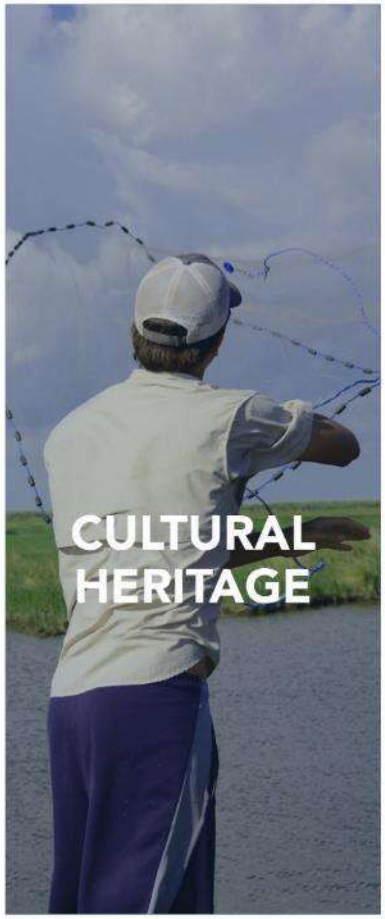
2017 COASTAL MASTER PLAN

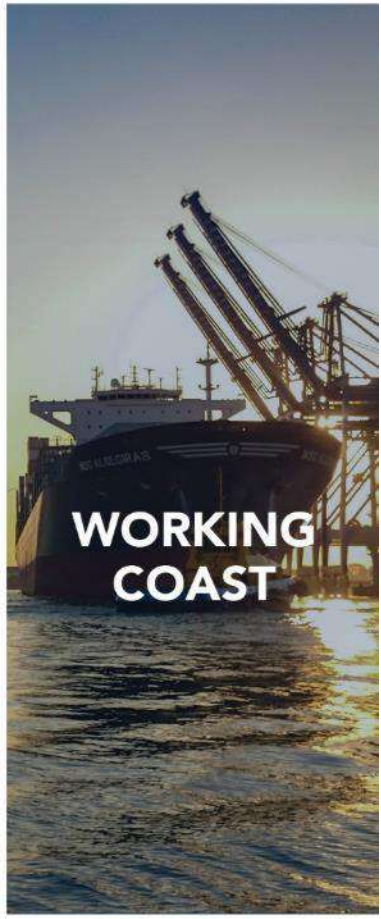
OBJECTIVES



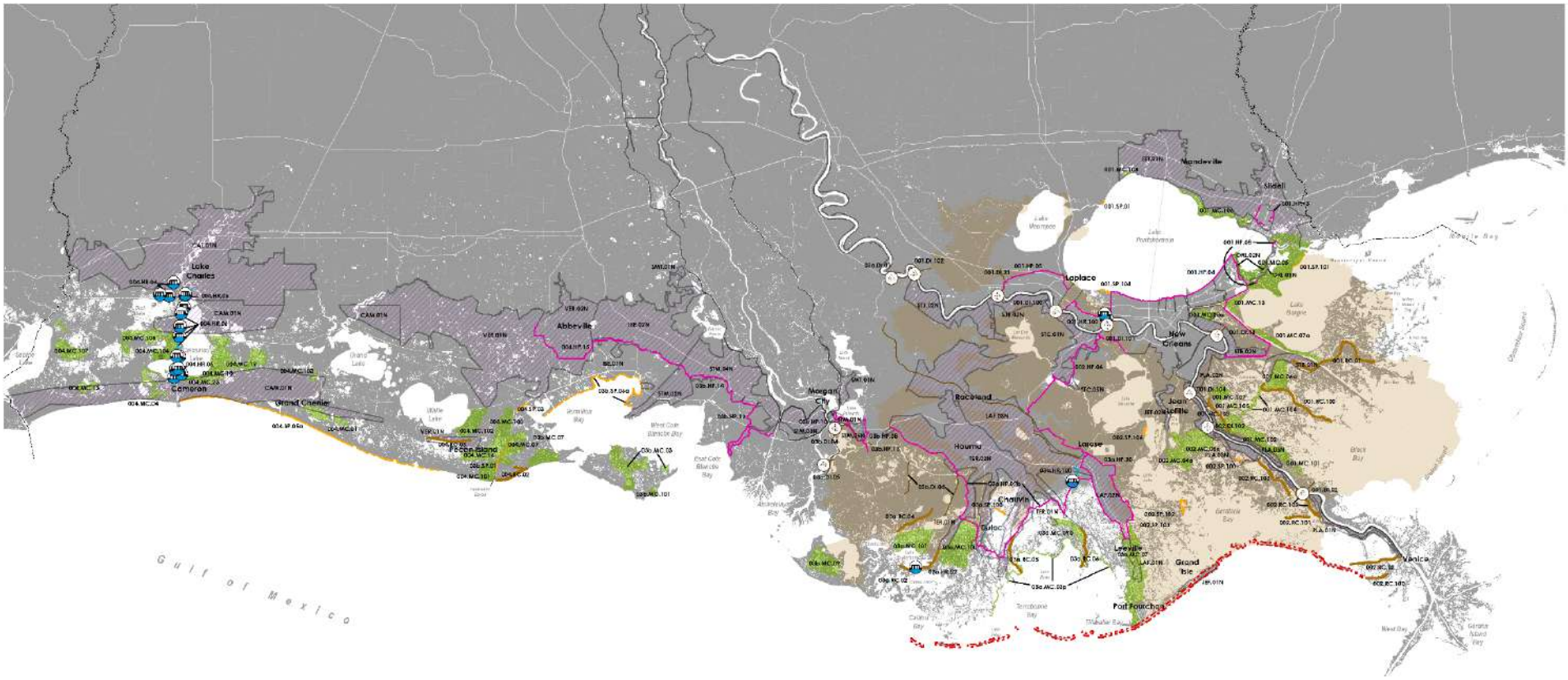








Louisiana's 2017 Coastal Master Plan



PROJECT TYPES

Small scale hydrologic restoration and oyster reef/living shoreline projects are included programmatically in the 2017 Coastal Master Plan. Consistency of individual projects will be determined on a case-by-case basis.

N

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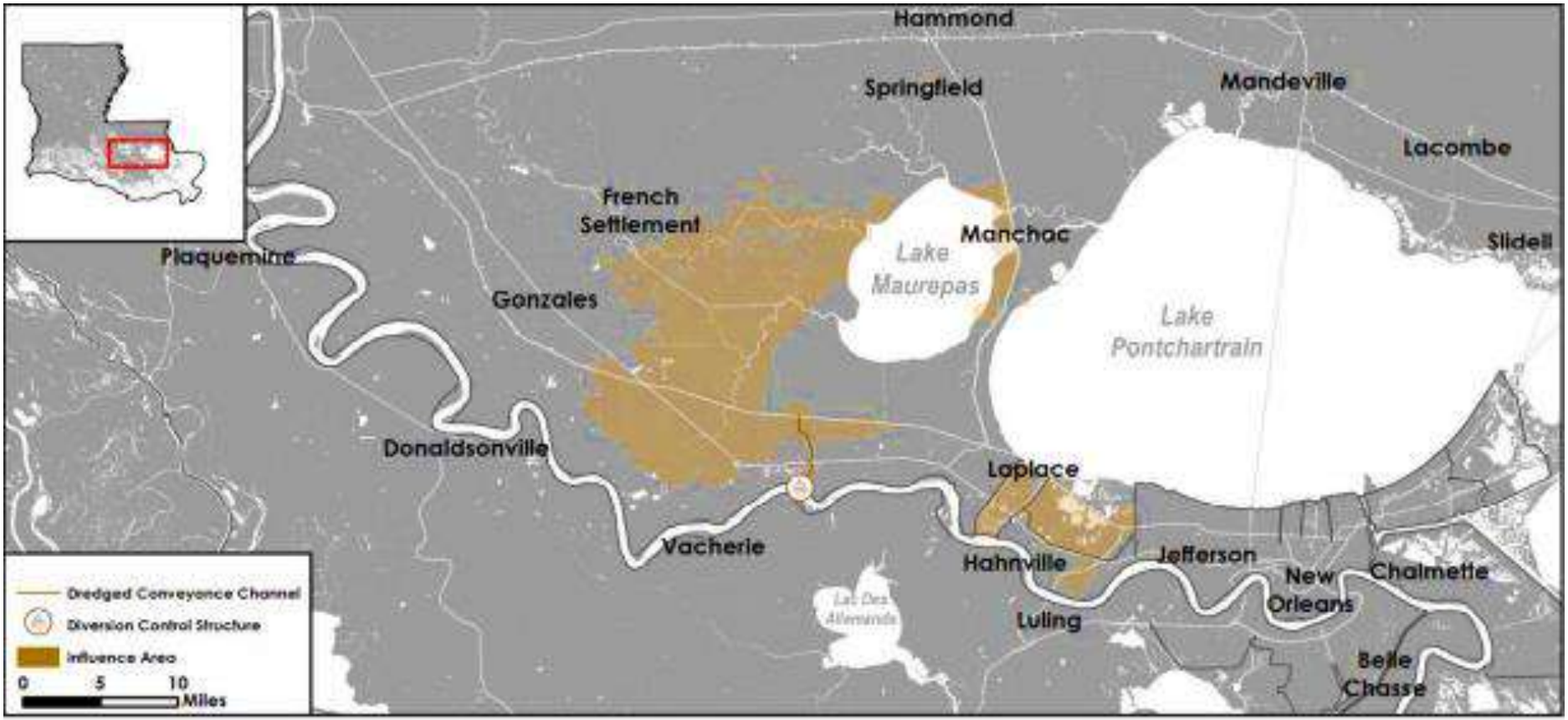
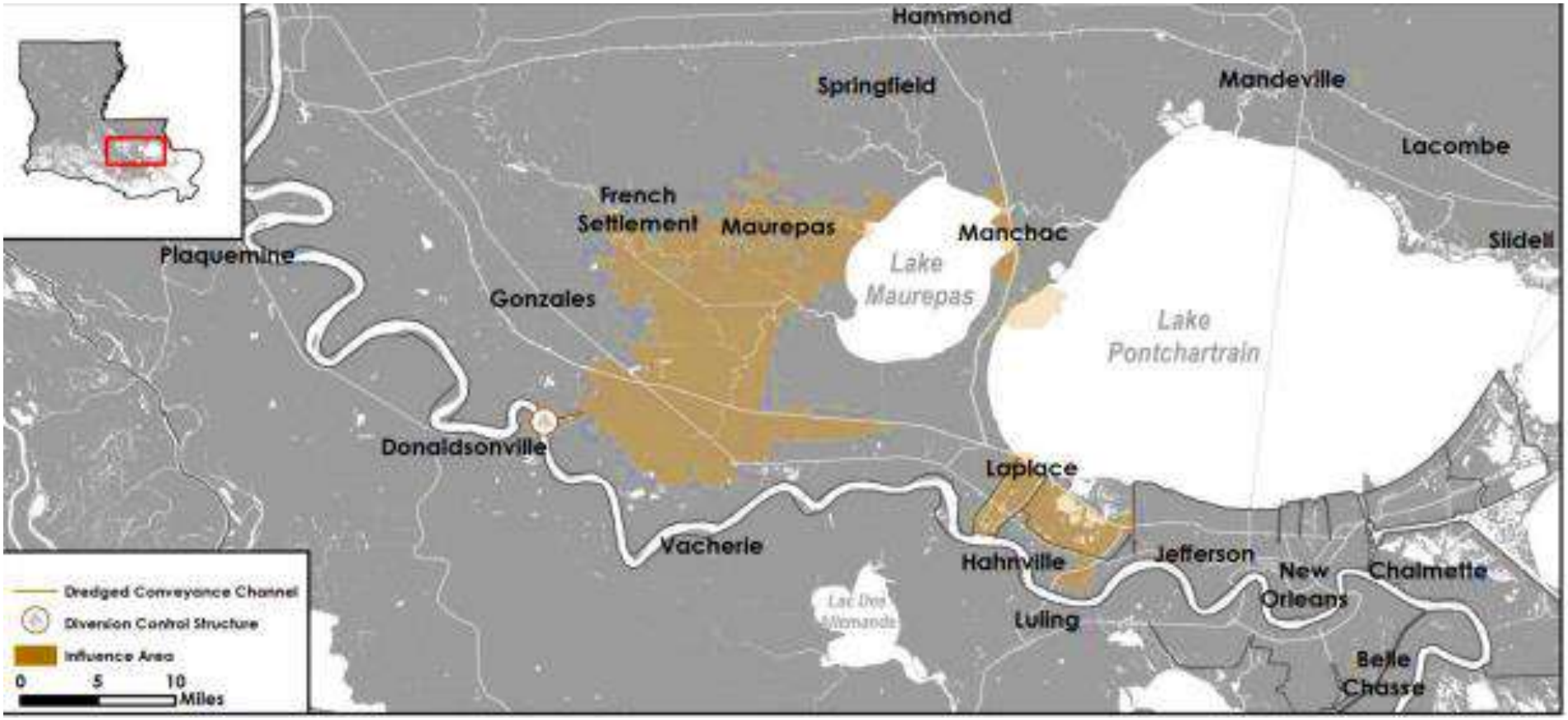
River Re-introduction to Maurepas Swamp

Garyville



River Re-introduction to Maurepas Swamp

Union Diversion



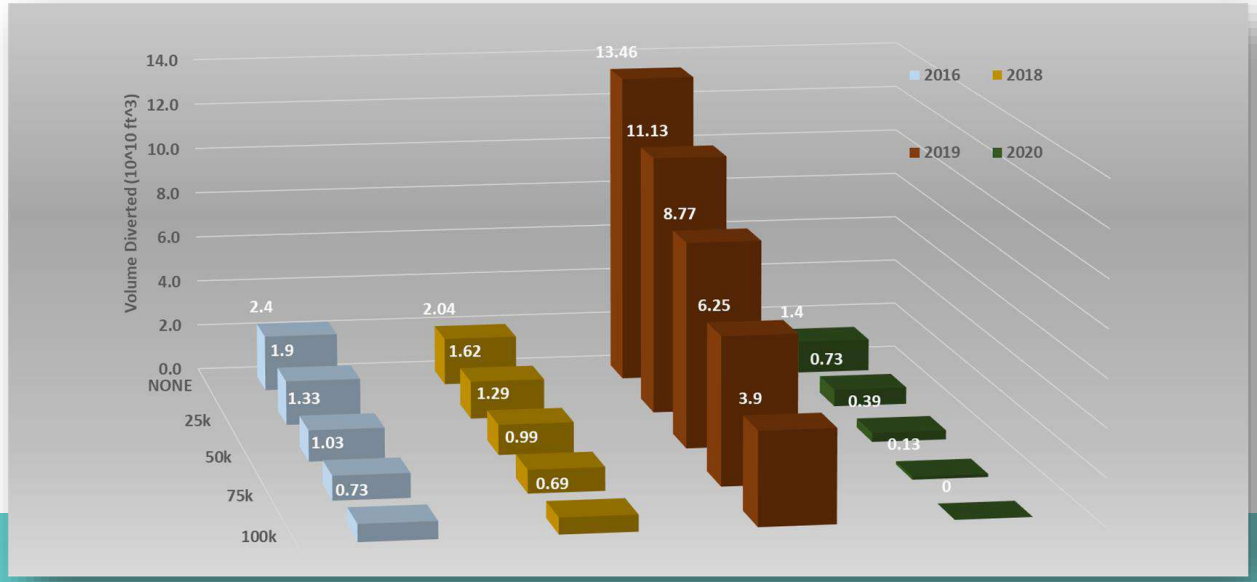
Union Diversion

Union Diversion

- Union Diversion - 2017 Master Plan
  - Operates at low river flow
  - 25,000 cfs max diversion flow capacity
  - Create/sustain wetlands
- EDF and Tulane - river water management study utilizing upper diversions
  - Union (25,000 cfs), Ama (50,000 cfs), and Maurepas (2,000 cfs)
  - Union reduced BCS discharge by 8%, but did not reduce duration

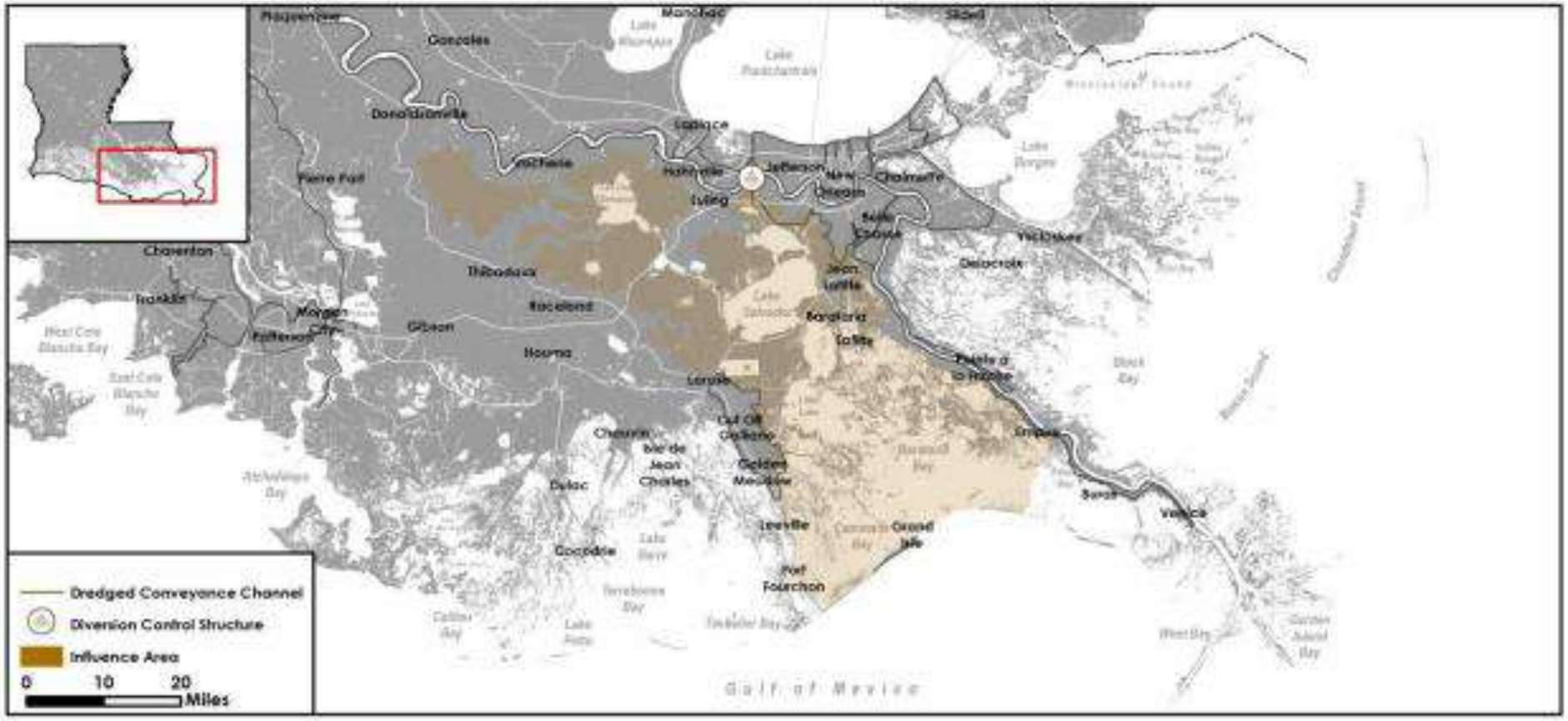
Union Diversion

- Objective:
  - **Evaluate reduction in magnitude/duration of flow through Bonnet Carré Spillway when assisted by Union Diversion operation at various flow capacities**
  - Evaluate flooding potential in zone of influence



Ama Sediment Diversion

As modeled in the 2017 CMP



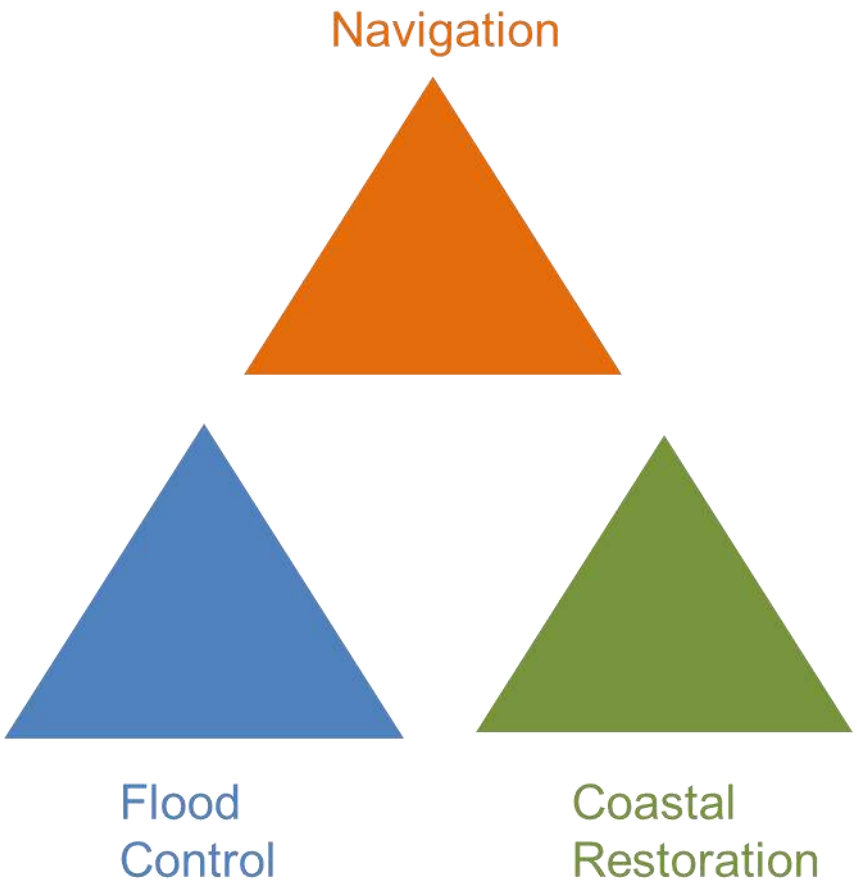
Ama Sediment Diversion

As modeled in the 2017 CMP

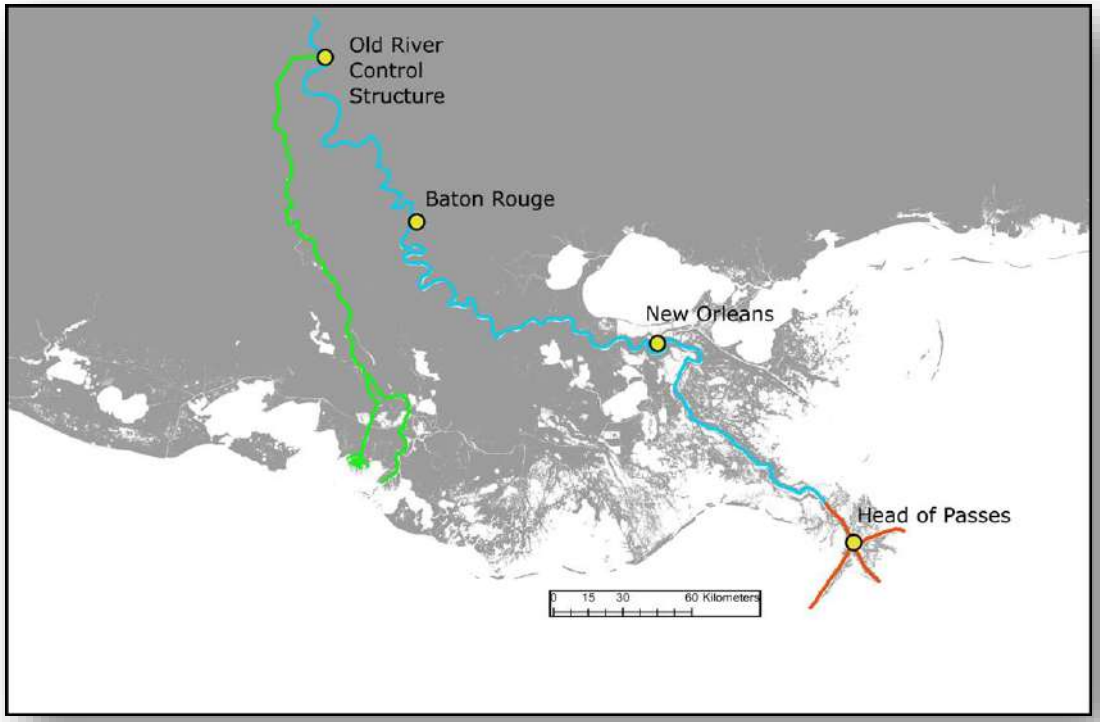
A More Holistic Management

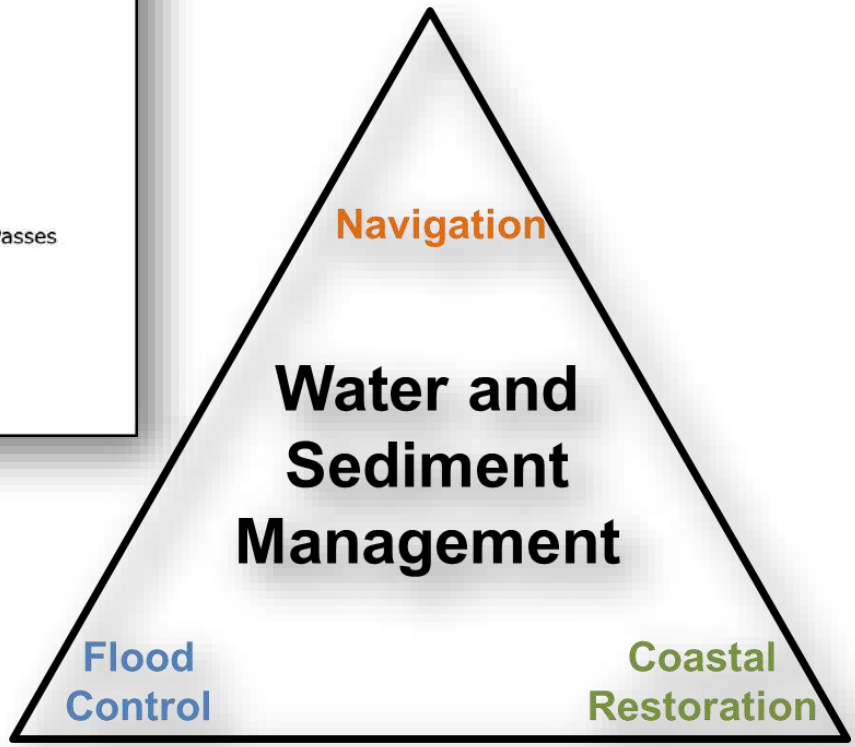
- Flood control, Navigation, and Coastal protection and restoration missions are often managed separately.

- They require effective management of two parameters: water and sediment.



A More Holistic Management





QUESTIONS
MASTER PLAN DATA VIEWER
CIMS.CPRA.LA.GOV/MASTERPLAN