APRIL 1, 2022

Mid-Basin Sediment Diversion Program

ADDRESSING LOUISIANA'S LAND LOSS CRISIS

BRAD BARTH, PROGRAM MANAGER

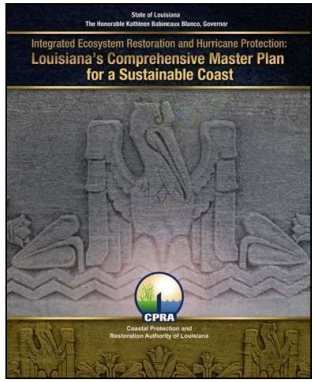
COASTAL PROTECTION AND RESTORATION AUTHORITY
CPRA

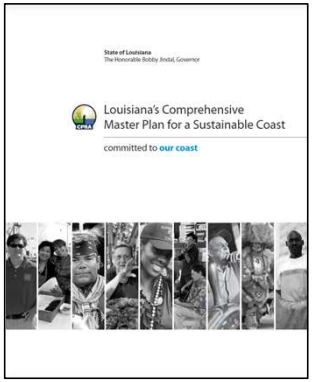
Coastal Protection and Restoration Authority

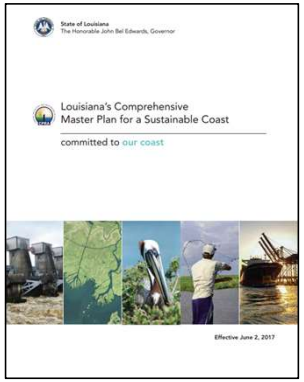
Single state entity with authority to articulate a clear statement of priorities to achieve comprehensive coastal protection for Louisiana.

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

Louisiana's Comprehensive Master Plan for a Sustainable Coast







ARTICULATES AN INTEGRATED AND COMPREHENSIVE VISION

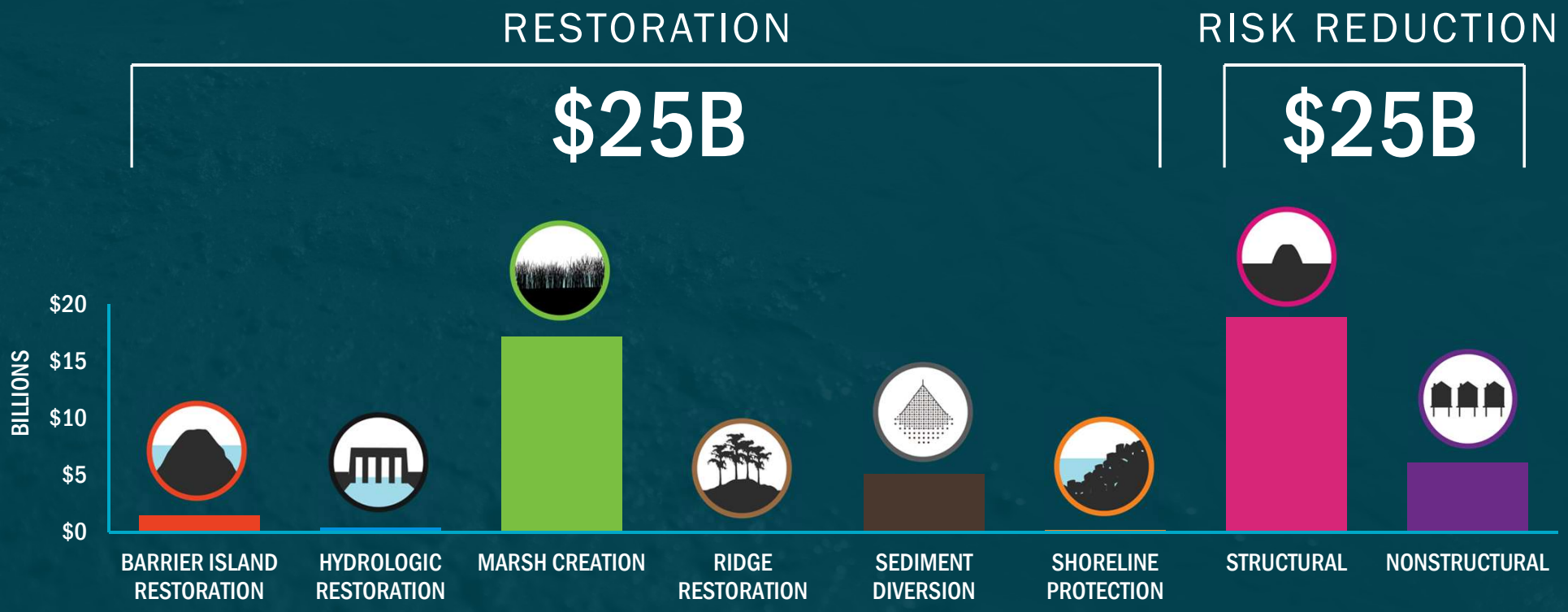
PROVIDES A LIST OF PROJECTS

RESOURCE CONSTRAINED

UPDATED EVERY 6 YEARS

Coastal Master Plan

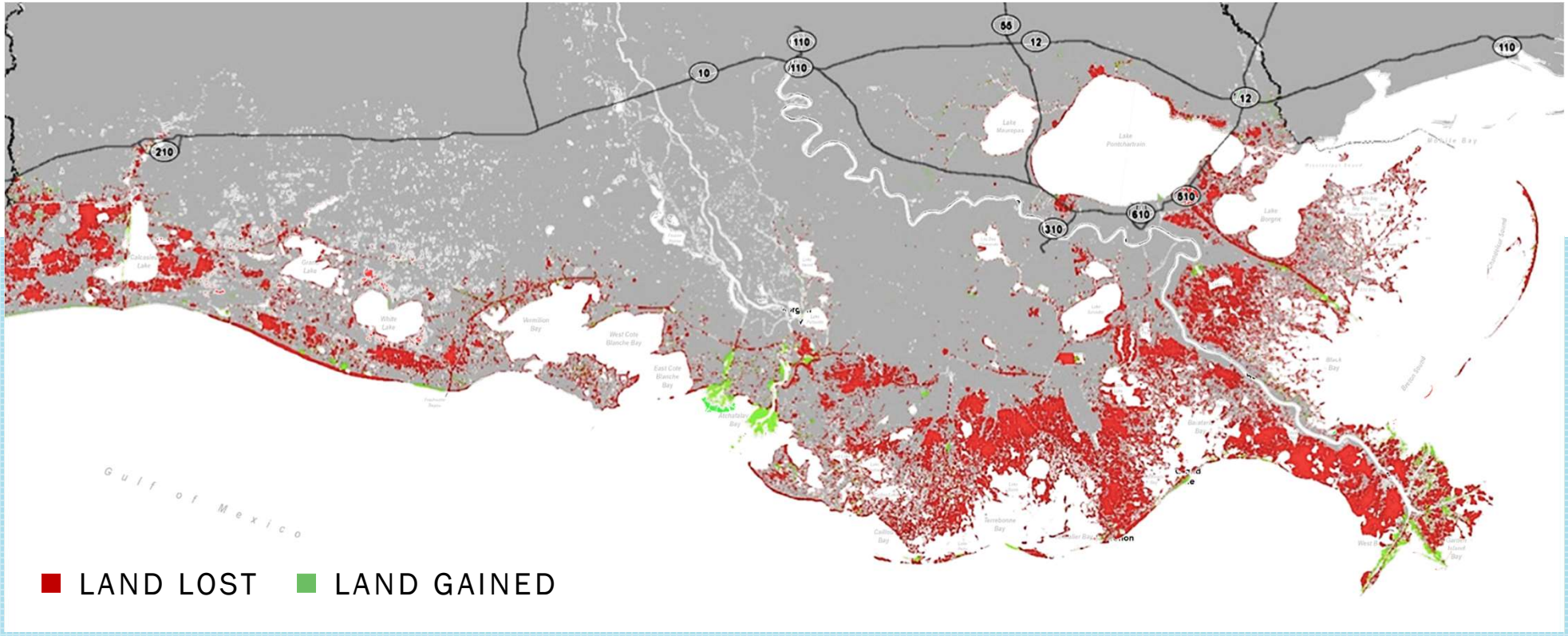
$50B total funding



Louisiana's Land Loss

SINCE 1932

2,006 square miles

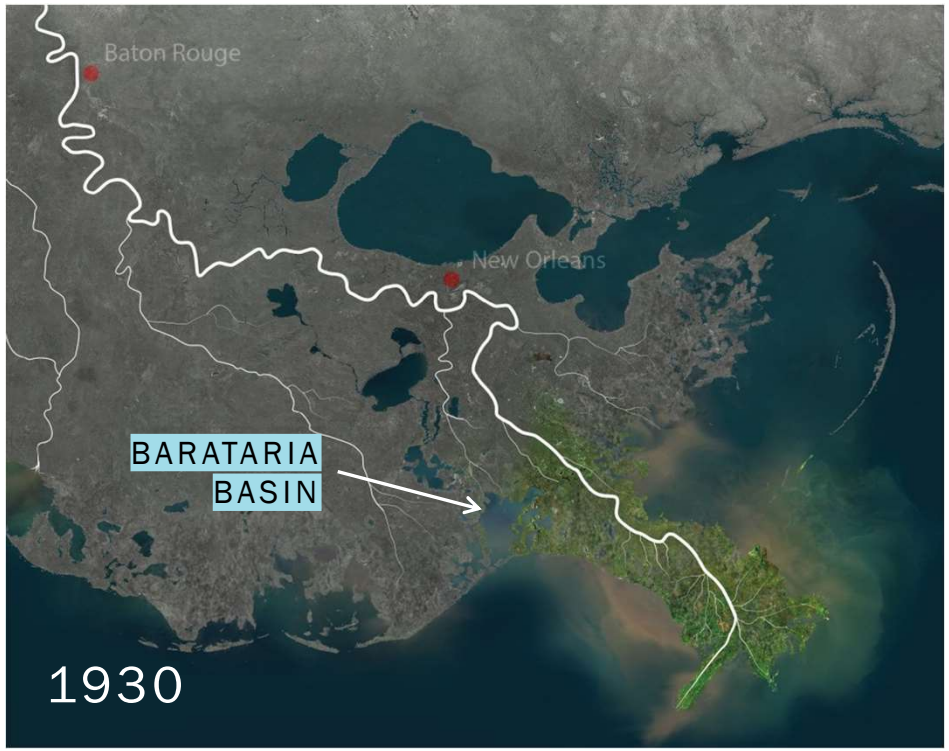


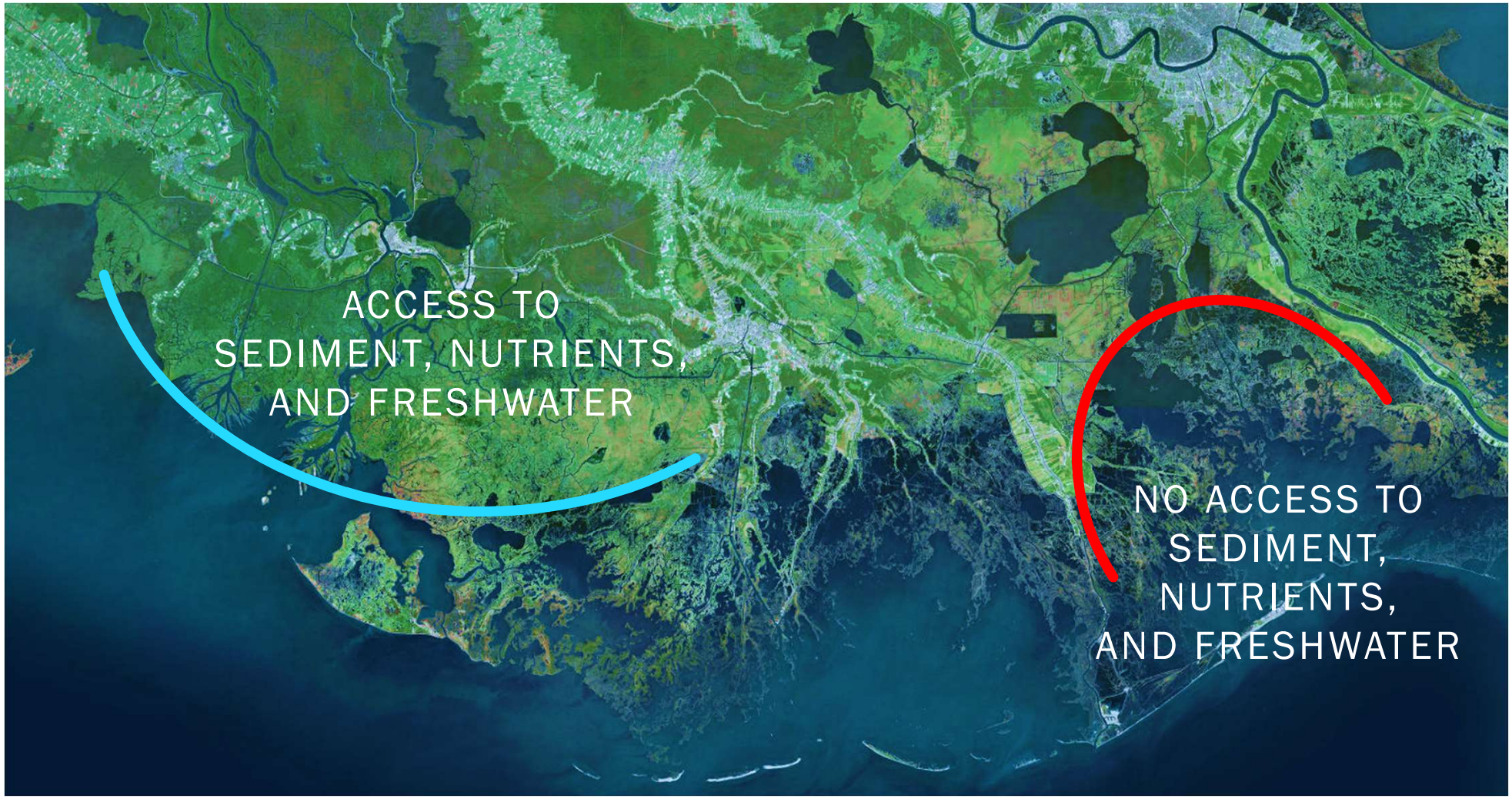
Causes of Land Loss

SEA LEVEL RISE, SUBSIDENCE, DISCONNECTION TO RIVER, CANALS/CHANNELS, AND OIL SPILL

Mississippi River Levee System

GREAT FLOOD OF 1927, SUBSEQUENT LEVEEING




ACCESS TO
SEDIMENT, NUTRIENTS,
AND FRESHWATER
NO ACCESS TO
SEDIMENT,
NUTRIENTS,
AND FRESHWATER

COASTAL RESTORATION PLANNING IN LOUISIANA

1927

Flood Control in the Mississippi Valley in its Relation to Louisiana Fisheries (Percy Viosca)

1928

Louisiana Wet Lands and the Value of Their Wild Life and Fishery Resources (Percy Viosca)

1973

Environmental Atlas and Multi-Use Management Plan for South-Central Louisiana

1981

Report on Special Projects for Coastal Louisiana

1982

Atchafalaya Basin Floodway System, Louisiana

1987

Saving Louisiana's Coastal Wetlands (The Need for a Long-Term Plan of Action)

1993

CWPPRA The Louisiana Coastal Wetlands Restoration Plan

1994

An Environmental-Economic Blueprint for Restoring the Louisiana Coastal Zone: The State Plan

A Long-Term, Comprehensive Management Plan for Coastal Louisiana (Ivor van Heerden)

1995

Lake Pontchartrain Basin Foundation Comprehensive Management Plan (Phase III)

(White Paper) The State of Louisiana's Policy for Coastal Restoration Activities

1996

BTNEP Barataria-Terrebonne National Estuary Program

1998

Coast 2050: Toward a Sustainable Coastal Louisiana

2004

LCA Near Term Plan

2005

The Multiple Lines of Defense Strategy to Sustain Coastal Louisiana (Lake Pontchartrain Basin Foundation) (John Lopez)

2006

A New Framework for Planning the Future of Coastal Louisiana After the Hurricanes of 2005

America's Wetland & BP

Mississippi River Gulf Outlet (MRGO) Channel Restoration and Mitigation Plan and Addendum

LACPR Louisiana Coastal Protection and Restoration

2007

Comprehensive Recommendations Supporting the Use of the Multiple Lines of Defense Strategy to Sustain Coastal Louisiana

Louisiana's Comprehensive Master Plan for a Sustainable Coast (CPRA)

2012

Louisiana's Comprehensive Master Plan for a Sustainable Coast (CPRA)

2016

Deepwater Horizon Oil Spill Final Programmatic Damage Assessment and Restoration Plan and Final Programmatic Environmental Impact Statement

2017

Louisiana's Comprehensive Master Plan for a Sustainable Coast (CPRA)

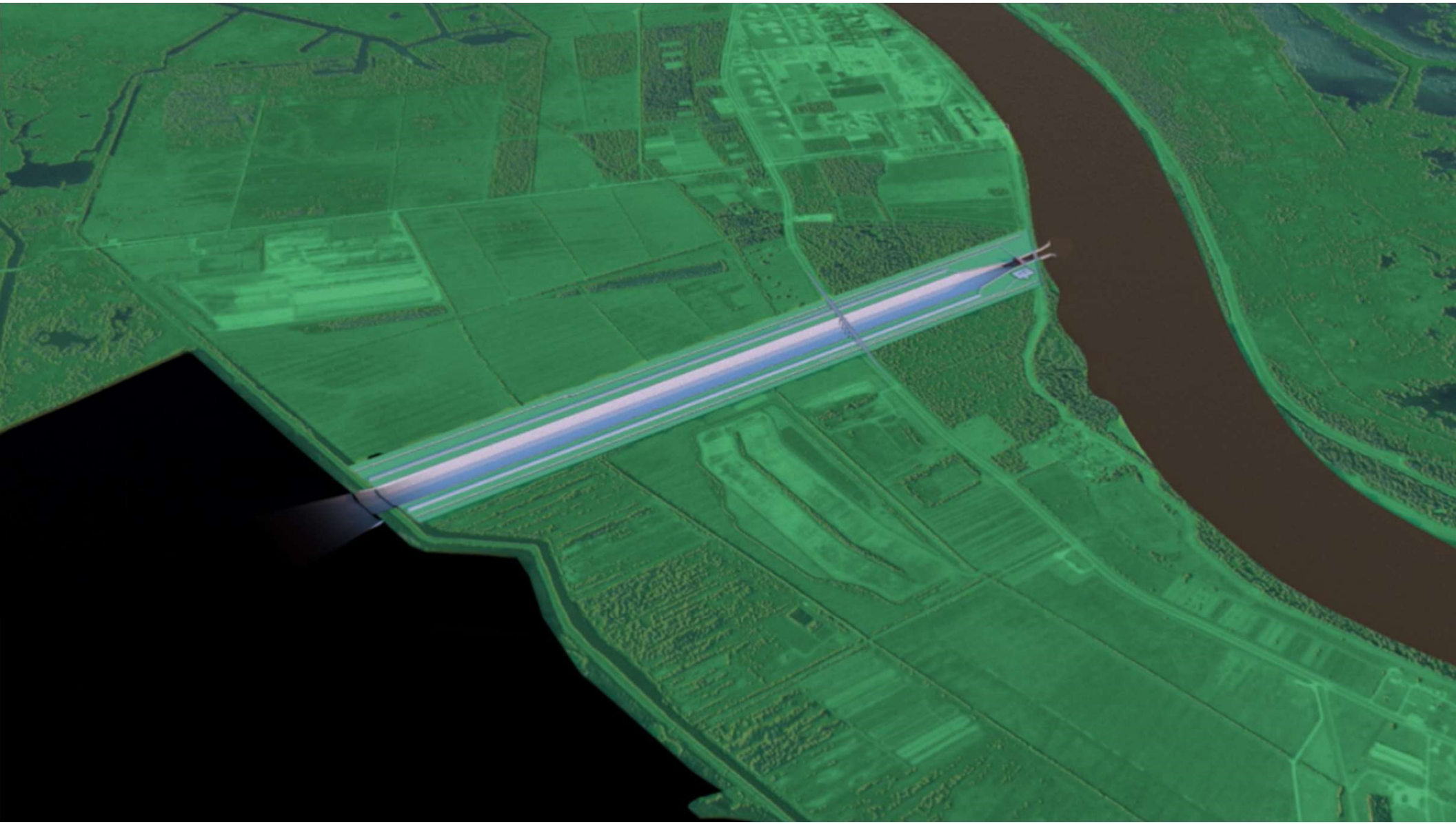
2018

Strategic Restoration Plan and Environmental Assessment #2: Restoration of Wetlands, Coastal, and Nearshore Habitats in the Barataria Basin, Louisiana (LA TIG)

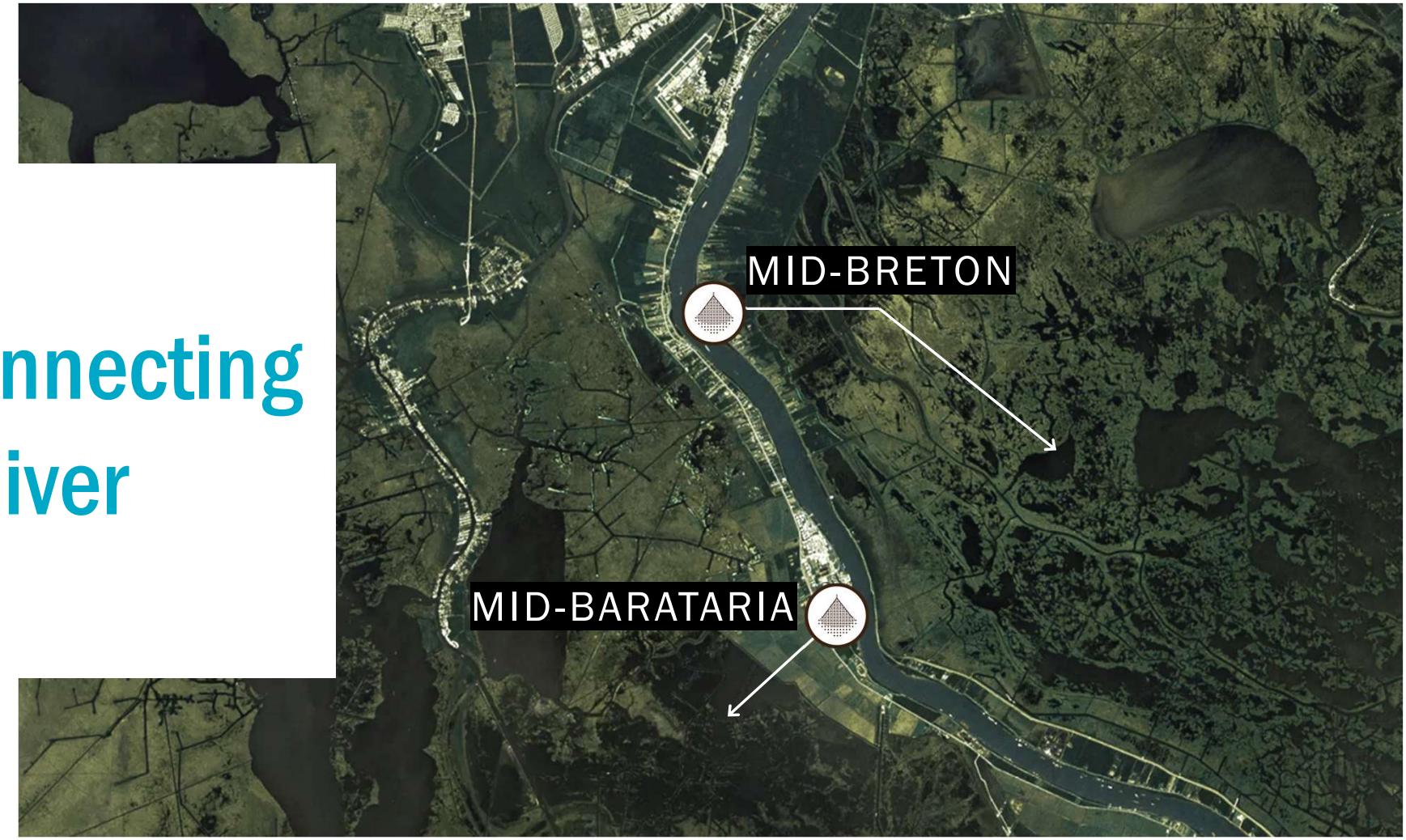
2019

BTNEP Comprehensive Conservation and Management Plan

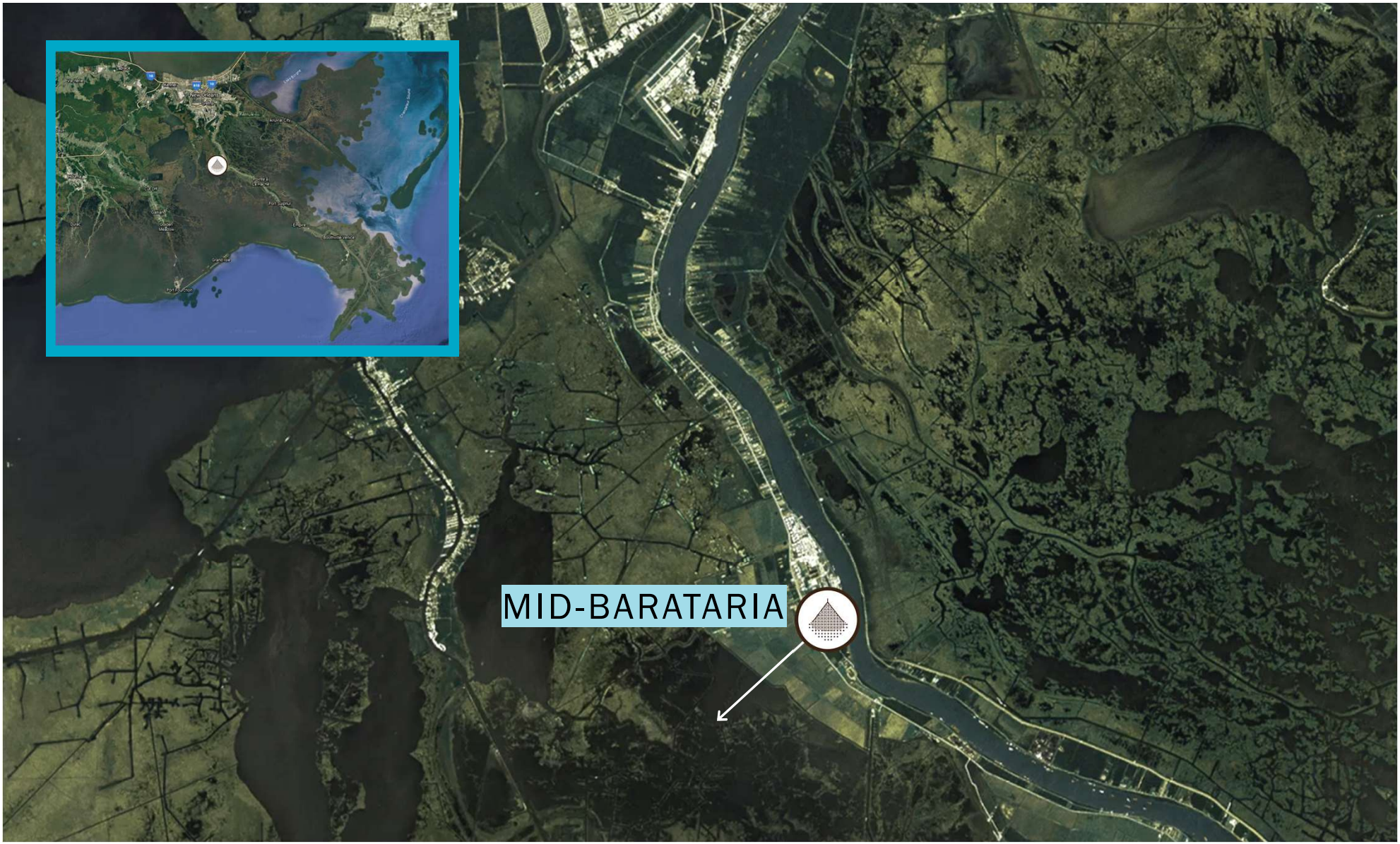
- Mississippi River Diversions of Freshwater and Nutrients
- Sediment Diversions

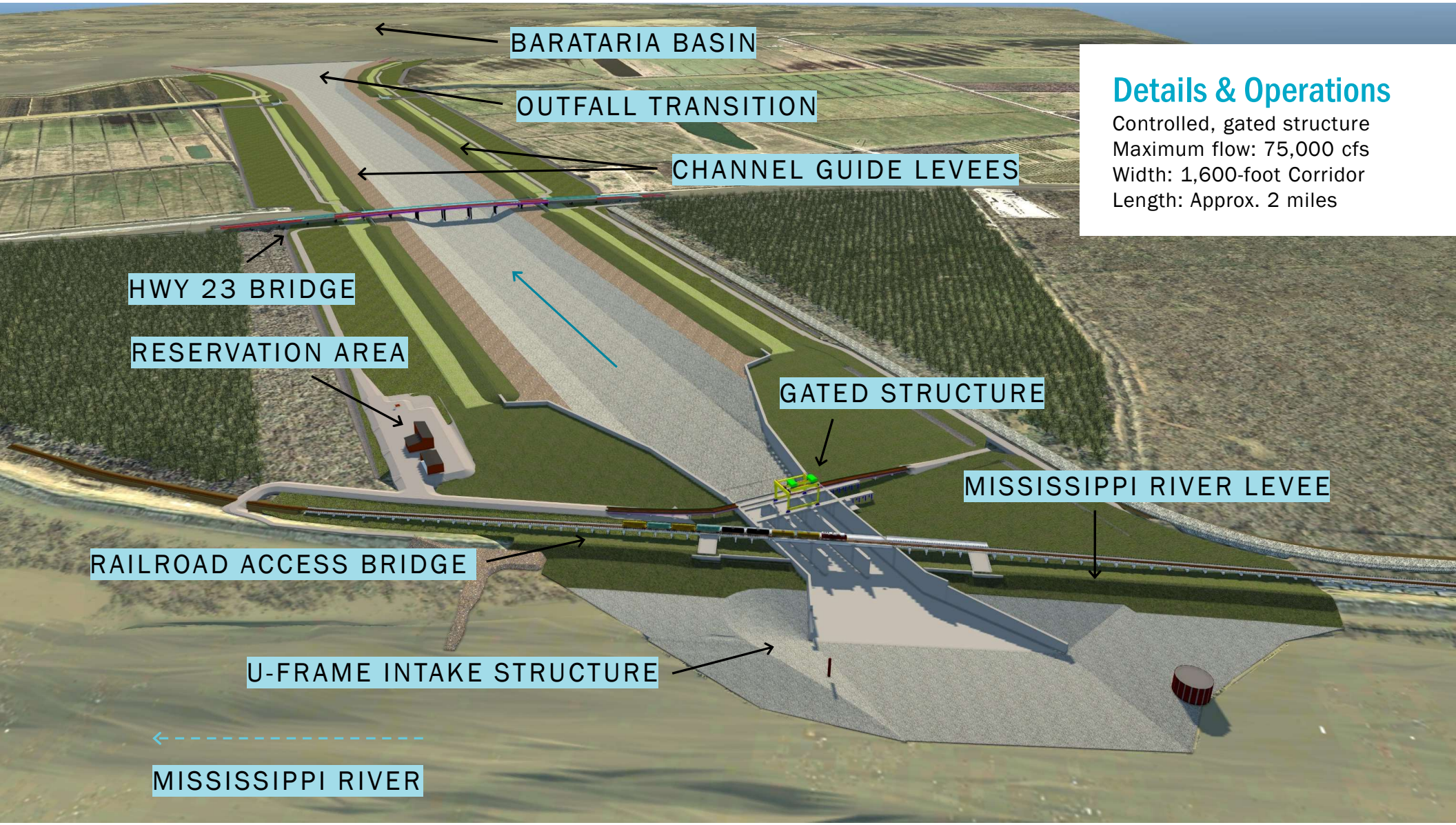


Reconnecting the River



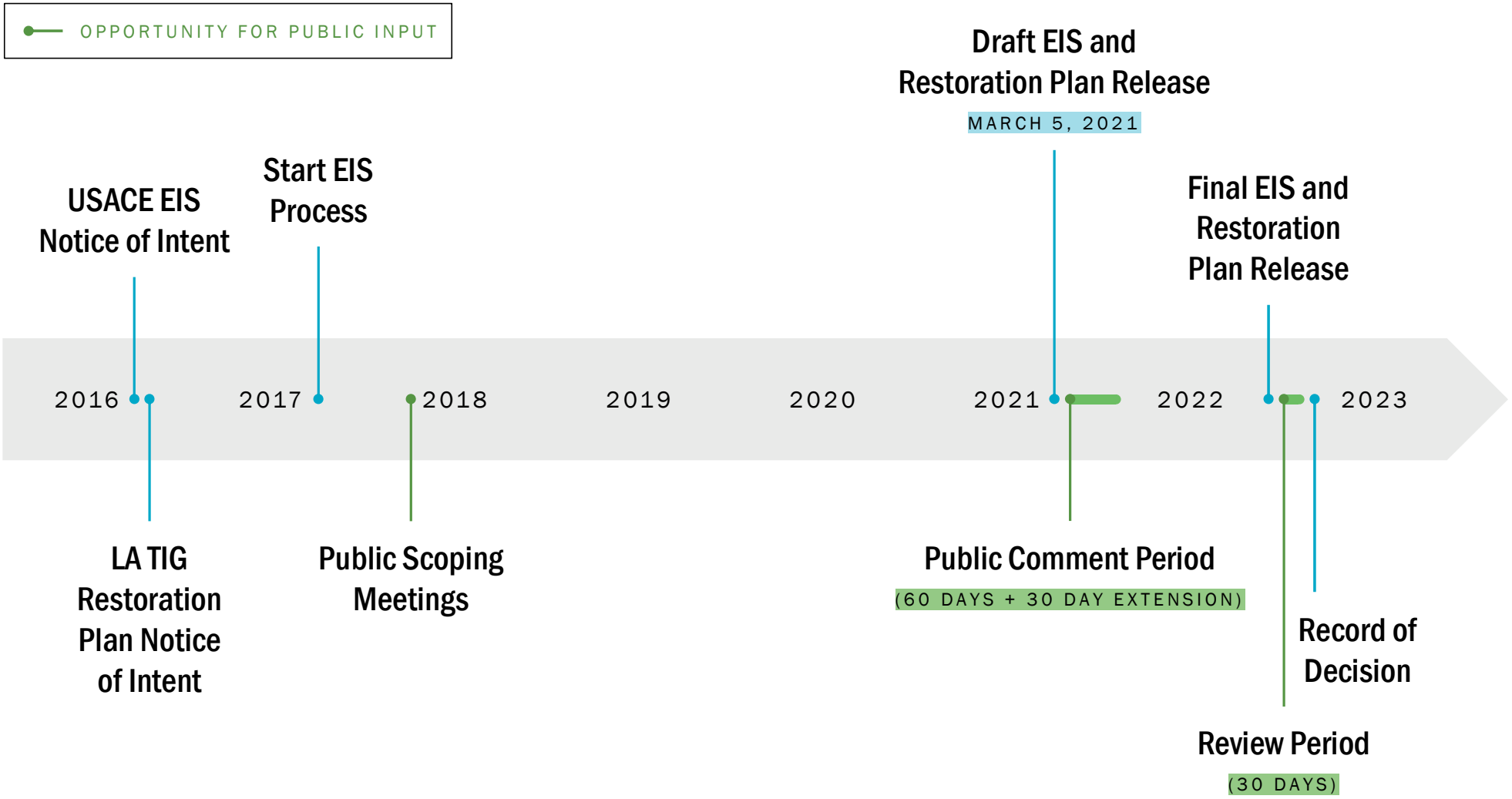
Mid-Barataria Sediment Diversion


MID-BARATARIA



Details & Operations

Controlled, gated structure
Maximum flow: 75,000 cfs
Width: 1,600-foot Corridor
Length: Approx. 2 miles


OPPORTUNITY FOR PUBLIC INPUT
Draft EIS and Restoration Plan Release
MARCH 5, 2021
USACE EIS Notice of Intent
Start EIS Process
Final EIS and Restoration Plan Release
2016
2017
2018
2019
2020
2021
2022
2023
LA TIG Restoration Plan Notice of Intent
Public Scoping Meetings
Public Comment Period
(60 DAYS + 30 DAY EXTENSION)
Record of Decision
Review Period
(30 DAYS)

EIS: Environmental Resources Evaluated

- Noise
- Oil and gas resources
- Prime Farmland
- Public Safety (Flood Risk Reduction)
- Recreation (including fishing)
- Soils/Sediment (River and Basin)
- Socioeconomic (population, tax revenue, housing, etc.)
- Storm Surge/Flooding
- Threatened and Endangered Species (T&E)
- Water Quality (salinity/nutrients)
- Wetlands and Waters of the U.S.
- Aesthetic and Visual Resources
- Air Quality
- Aquatic Resources
- Terrestrial Resources
- Commercial Fisheries (industry impacts)
- Cultural Resources
- Environmental Justice (EJ)
- Essential Fish Habitat (EFH)
- Groundwater
- Land Use
- Marine Mammals
- Navigation (deep draft and tows)

Organizations Involved

USACE

Permitting authority

Developed DEIS, FEIS

Facilitates public comment process (public meetings, accepting official comment)

CPRA

Permit applicant

State agency responsible for engineering and design

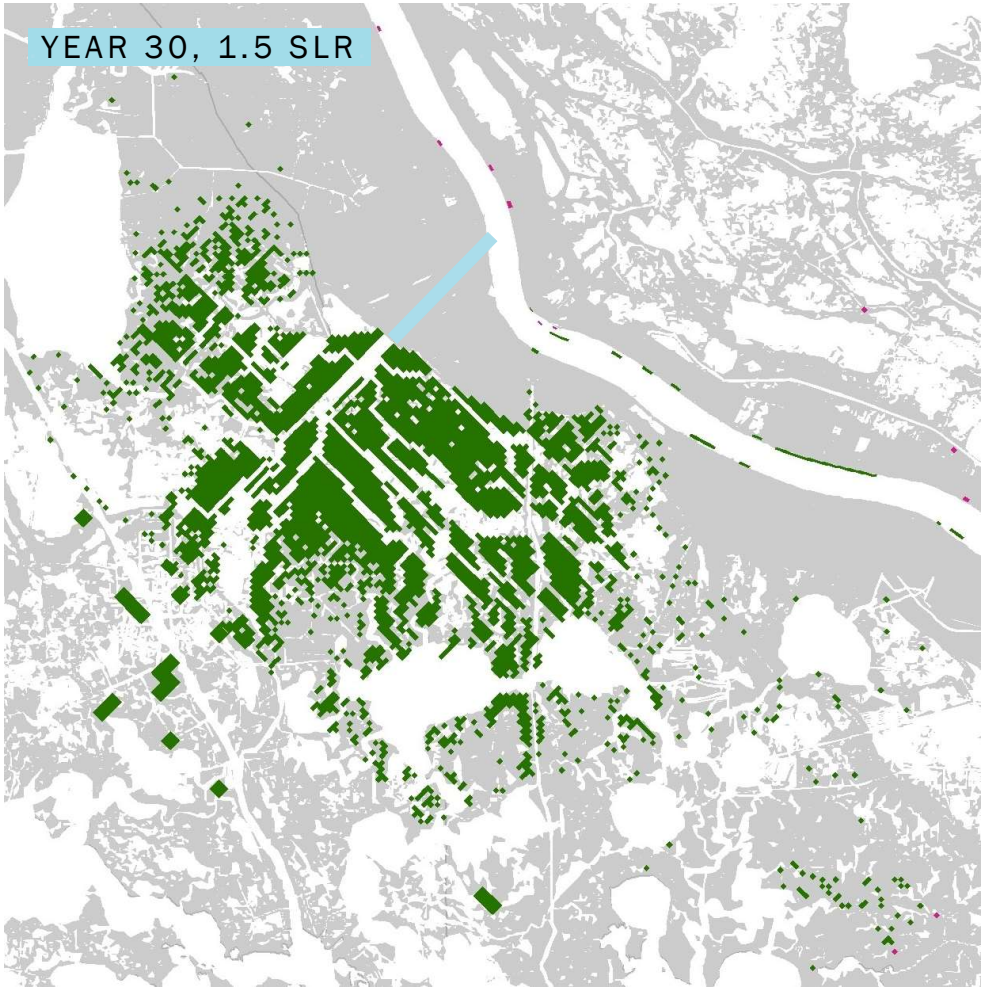
Will control/operate MBSD if built

LA TIG

Deciding authority on funding MBSD with *Deepwater Horizon* NRDA funds

Funding decision detailed in the Draft Restoration Plan

4 federal agencies, CPRA + 4 other state agencies

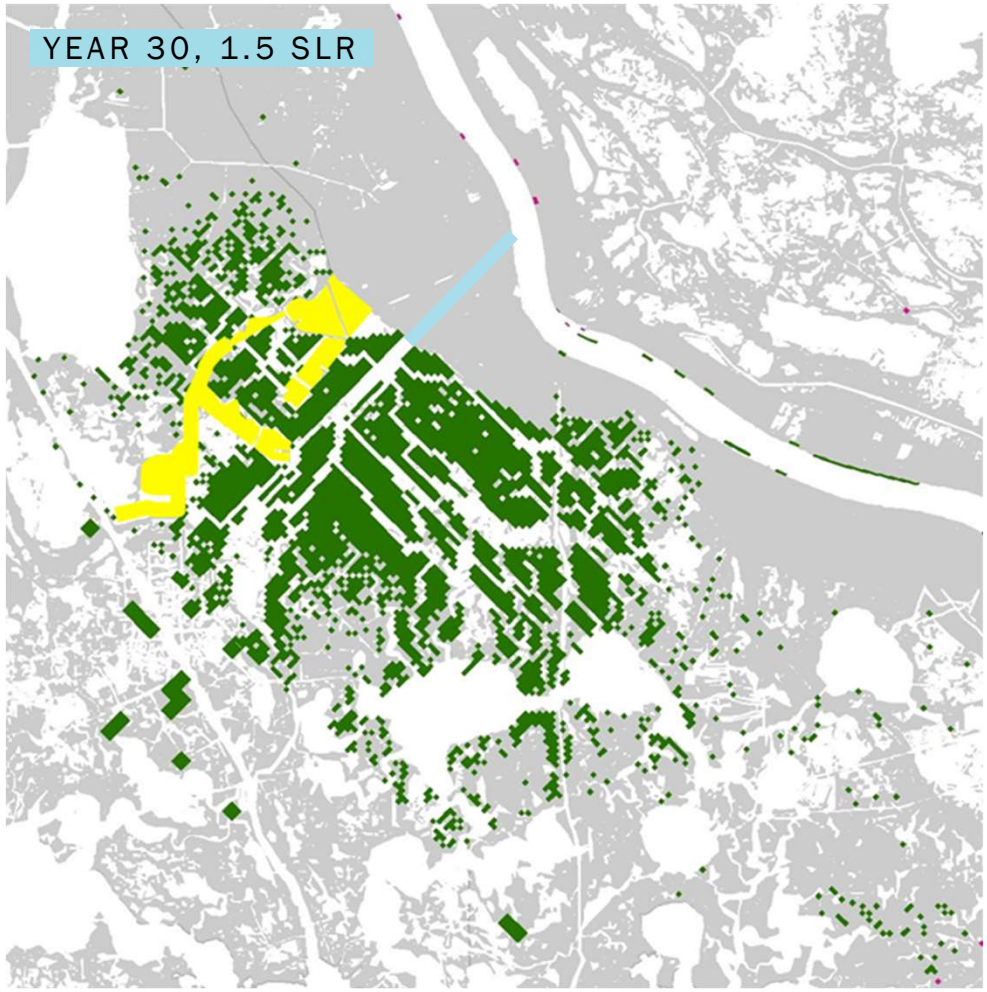


Land Building Capability

Barataria:
+17,300 acres at 30 yrs
+13,400 acres at 50 yrs

Represents 20% of the total remaining marsh in the Basin

Birdfoot Delta:
-2,000-3,000 acres



Marsh Creation Comparison

LARGE-SCALE DREDGING PROJECT

SEDIMENT DIVERSION

Economic Benefits

PLAQUEMINES, ST. BERNARD, ORLEANS & JEFFERSON PARISHES

Benefits to local and state businesses, governments and residents due to construction of the project.

$1.4 billion increase in sales

$648 million increase in household earnings

Nearly 12,400 jobs

$890 million in gross regional product

Other Project Benefits

AQUATIC SPECIES BENEFITS

- Large Mouth Bass (moderate benefit, including recreational fishery)
- Red Drum (moderate benefit, including recreational fishery)
- Gulf Menhaden (moderate benefit, including commercial fishery)
- Bay Anchovy (minor benefit, including commercial fishery)
- White Shrimp (negligible to minor benefit, including recreational and commercial fishery)
- Blue Crab (negligible to minor benefit, including recreational and commercial fishery)

MINOR TO MODERATE BENEFITS TO SOME TERRESTRIAL SPECIES

- Alligator
- Green-winged Teal
- Mottled Duck

RECREATIONAL USE BENEFITS

- Duck hunting
- Bird watching
- Recreational fishing (red drum and large mouth bass)

BENEFITS TO HABITAT (IN ADDITION TO WETLANDS)

- Submerged Aquatic Vegetation (SAV)
- Shallow bottom

BENEFITS TO THE NORTHERN GULF OF MEXICO ECOSYSTEM THROUGH TRANSPORT OF ENERGY FROM BARATARIA BASIN

Impacts & Mitigation

CPRA RESPONSIBLE FOR DEVELOPING MITIGATION PLAN TO ADDRESS NEGATIVE IMPACTS

DEIS IDENTIFIES IMPACTS TO COMMUNITIES SOUTH OF PROJECT, OUTSIDE FLOOD PROTECTION; BROWN SHRIMP, OYSTER, AND MARINE MAMMAL POPULATIONS

MITIGATION PLAN DEVELOPED IN COORDINATION WITH COMMUNITIES AND FISHERIES THROUGH ONGOING PUBLIC OUTREACH (IN-PERSON, VIRTUAL, SURVEY TOOL)

MITIGATION MEASURES IMPLEMENTED BEFORE, DURING, AND AFTER PROJECT OPERATION

Next Steps

ONGOING OUTREACH & ENGAGEMENT TO IMPACTED COMMUNITIES AND FISHERIES

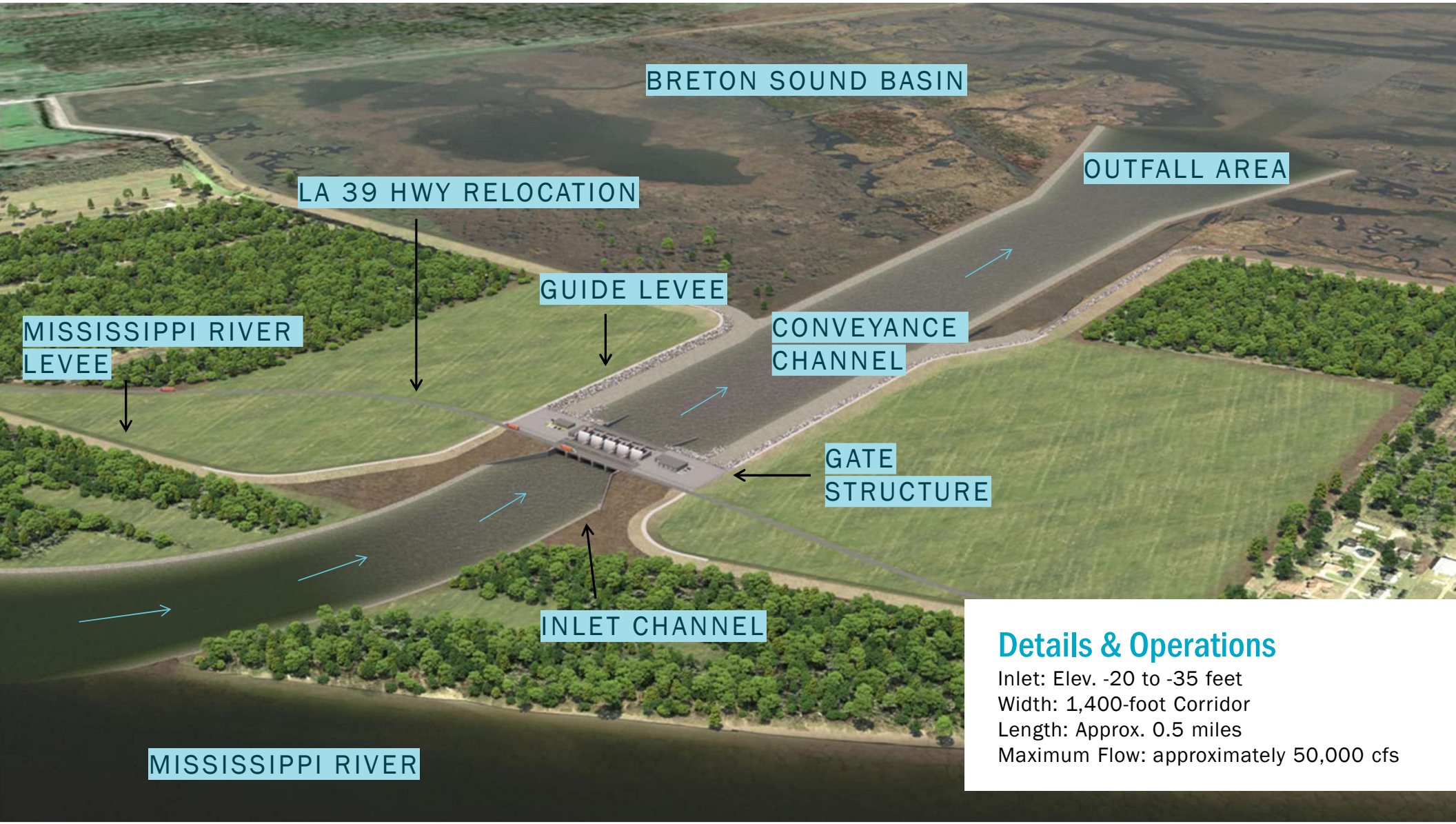
REFINED MITIGATION PLAN

FINAL EIS ANTICIPATED FOR RELEASED SUMMER 2022

RECORD OF DECISION ANTICIPATED FALL 2022

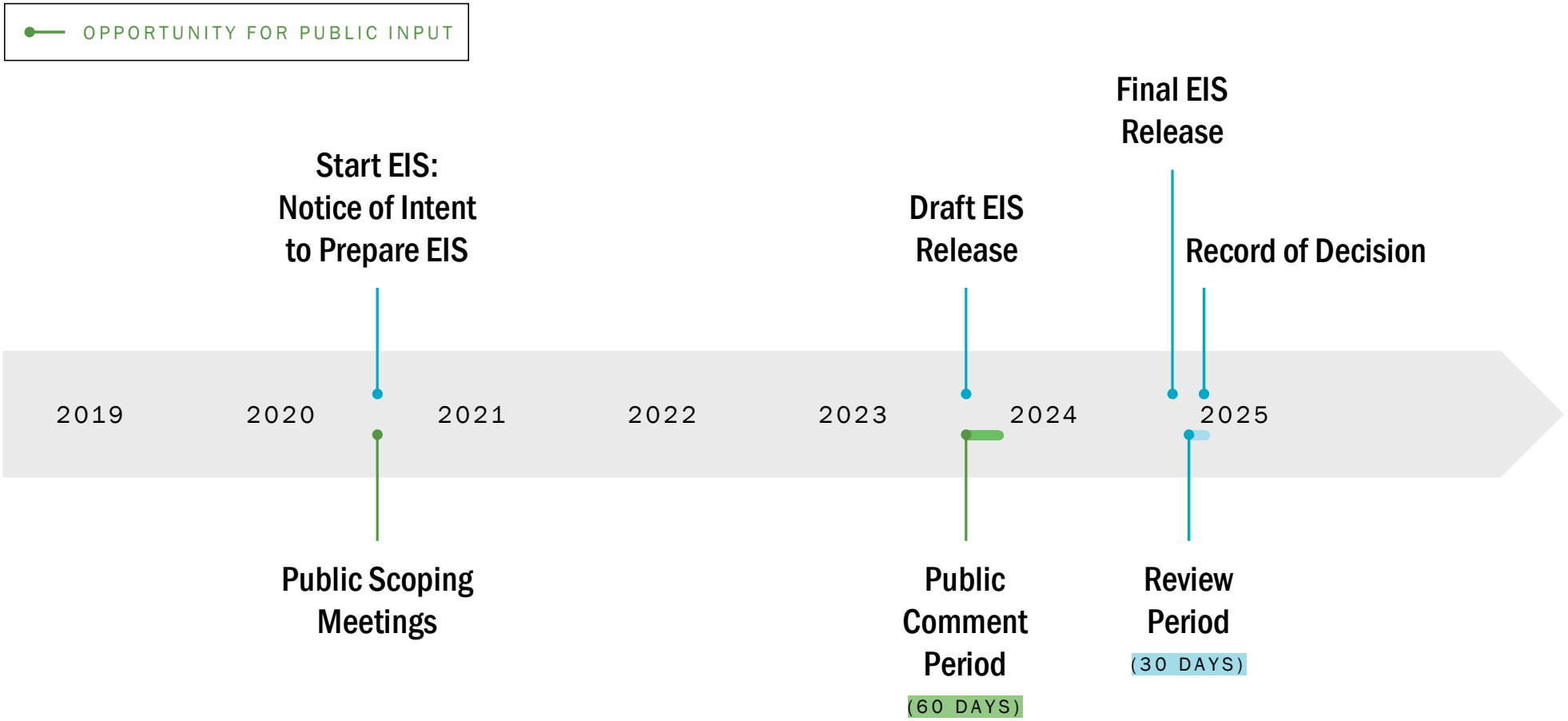
Mid-Breton Sediment Diversion

MID-BRETON
RIVER MILE 68
NEAR WILL'S POINT/
BERTRANDVILLE, LA



Details & Operations

Inlet: Elev. -20 to -35 feet
Width: 1,400-foot Corridor
Length: Approx. 0.5 miles
Maximum Flow: approximately 50,000 cfs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Start EIS: Notice of Intent to Prepare EIS
Draft EIS Release
Final EIS Release
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2022
2023
2024
2025
Public Scoping Meetings
Public Comment Period
(60 DAYS)
Review Period
(30 DAYS)

Mid-Breton Sediment Diversion

RECENT PROJECT MILESTONES & UPDATES

30% PROJECT DESIGN UPDATE

PROJECT CAPACITY

UPDATED PROJECT TIMELINE

- Draft Environmental Impact Statement – expected 2023
- Final Environmental Impact Statement – expected 2024

Contracting Opportunities - CPRA

OVER 120 DIFFERENT CONTRACTORS/FIRMS CURRENTLY ENGAGED ON THE MID-BASIN DIVERSION PROGRAM

CONSTRUCTION:

- *2022 QTR 1 - RFQ for Mid-Barataria Construction Admin and Inspection Contract - ADVERTISED*
- *2023/2024 - RFQ for Mid-Breton Construction Admin and Inspection Contract*

Construction Opportunities

MID-BARATARIA SEDIMENT DIVERSION:

AWA – Archer Western – Alberici JV – Pre-construction/Design Phase CMAR

- *CMAR must sub-contract minimum of 30 % of the construction work*
- *Contracting Plan*
  - *Promote Local services, supplies, and materials*
  - *Outreach and Notification Opportunities*
  - *Prequalification*
  - *Selection*
- *Be Ready – Proper licensing, State Taxes, Safety Records*

Construction Opportunities

AWA – Archer Western – Alberici JV – Pre-construction/Design Phase CMAR

- *Potential Subcontract Work*
  - *Dewatering/Unwatering*
  - *Deep soil mixing*
  - *Wick Drain installation*
  - *Asphalt Paving and Markings*
  - *Fencing/Guardrails*
  - *Rock Riprap placement*
  - *Dredging*
  - *Earthwork (portion)*
  - *Electrical services – temporary and permanent Utilities*
  - *Reservation buildings*
  - *Reinforcing steel installation*
  - *Rail Road Track Work*
  - *Landscape / Seeding*
  - *Transport & Trucking Services*

APRIL 1, 2022

Questions?

BRAD BARTH, PROGRAM MANAGER / BRADLEY.BARTH@LA.GOV