Mid-Basin Sediment Diversion Program
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 Land Loss

SINCE 1932

2,006 square miles

LAND LOST  LAND GAINED
What We Stand To Lose

YEAR 50

4,200 square miles

LAND LOST  LAND GAINED
What We Stand To Lose

Since 1932 + Year 50

6,206 square miles

Land Lost

Land Gained
Why are we in this predicament?

THE GREAT FLOOD OF 1927
Coastal Master Plan

$50B total funding

RESTORATION

$25B

RISK REDUCTION

$25B

BILLIONS

$0 $5 $10 $15 $20

BARRIER ISLAND RESTORATION HYDROLOGIC RESTORATION MARSH CREATION RIDGE RESTORATION SEDIMENT DIVERSION SHORELINE PROTECTION STRUCTURAL NONSTRUCTURAL
Coastal Master Plan

SEDIMENT DELIVERY

$23.8B

DREDGING 79%
DIVERSIONS 21%
COASTAL PROTECTION AND RESTORATION AUTHORITY  /  MID-BASIN SEDIMENT DIVERSION PROGRAM
Reconnecting the River
ACCESS TO SEDIMENT, NUTRIENTS, AND FRESHWATER

NO ACCESS TO SEDIMENT, NUTRIENTS, AND FRESHWATER
Reconnecting the River
**Sediment Diversions**

Build and sustain land

Increase nutrients and sediment deposition to sustain and maintain wetlands
Land Building Capabilities
PROVEN SUCCESS

Fort St. Philip
PROVEN SUCCESS

Davis Pond

MARCH 2008

APRIL 2016
PROVEN SUCCESS

Pivach Cut

2013

2014

2016
Land Building

- Land Gained and Sustained
- Year 10
- 1.5 SLR
Land Building

- Land Gained and Sustained
- Year 20
- 1.5 SLR
Land Building

- Land Gained and Sustained
- Year 40
- 1.5 SLR
Marsh Creation Comparison

- PROPOSED MID-BARATARIA PROJECT SITE
- LAND GAINED AND SUSTAINED
- MARSH CREATION PROJECT
Permitting & Program Process
CPRA Submits Joint Permit Application
- Coastal Use Permit (Section 10/404)
- Request to Alter a Federal Project (Section 408)

Public Scoping Meeting

USACE Develops Draft Environmental Impact Statement (DEIS)

Public Comment Period

EIS revisions based on Public Comment

USACE develops Final Environmental Impact Statement (FEIS)

Final Public Review

USACE Record of Decision
Permitting and Construction Approvals

### Start Permitting

Coastal Use (LDNR), Navigation, and Wetlands
- Section 10 (USACE Navigation)/404 (USACE Wetlands) and Coastal Use Permit (INDR CUP)
- Permit Public Notice and Comment
- Coastal Use Permit
- Coastal Use Permit Public Act Notice and Comment
- Coastal Use Permit Approval
- Section 10/404 Approval
- Project Implementation and Monitoring

### Start EIS

National Environmental Policy Act
- Solicitation of Views
- Notice of Intent for EIS
- Start EIS
- Public scoping meeting
- Draft EIS
- USACE (HQ/MVD) Approves Draft EIS for Release
- Public Comment on Draft EIS
- Final EIS
- Public Review on Final EIS
- Complete EIS (Record of Decision)

### 408 Approval (USACE)

Request To Alter A Federal Project Or Project With Federal Interest No Direct Public Involvement
- 408 Request
- 60% Plans and Specifications Review
  - District – PDT
  - Agency Technical Review (ATR)
  - IEPR-SAR Review
- USACE (HQ/MVD) Preliminary 408 Approval
- Record of Decision (408)
- 408 Approval
- 408 Construction Oversight
EIS Progress Impact Analyses

- 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)
CPRA → MID-BASIN SEDIMENT DIVERSION PROGRAM

Mid-Barataria Sediment Diversion
## Project Location

### Location

Ironton, LA

### Tasks
- Funding E&D, Construction
- Permitting and Construction Approvals
- Environmental (EIS)
- Land Rights
- Engineering and Design
- Operations

### E&D Funding

NFWF

### Project Details
- Inlet: Elev. -40 feet
- Width: 1,600 foot Corridor
- Length: Approx. 2 miles
- Capacity: est. up to 75,000 cfs

### Project Features
- Inlet, Conveyance Structure, Outlet
- Interior Drainage Modifications
- Highway Modifications
- Railroad Modifications
MID-BARATARIA SEDIMENT DIVERSION

Project Location
Ongoing Efforts

MID-BARATARIA SEDIMENT DIVERSION

DATA COLLECTION
Geotechnical Borings, Pump Tests, and Field Consolidation Tests

PHYSICAL MODELING EFFORTS

ENGINEERING & DESIGN: 30%

SITE LAYOUT COORDINATION

OUTREACH & ENGAGEMENT
Next Steps

EIS

• USACE & other federal agencies will analyze impacts using best available science and data
• Continued coordination with communities and stakeholders
• Refine operational controls, adaptive management plan, and mitigation strategies
• Coordinate with USACE and federal family on the project’s impact analysis ➔ avoid, minimize, mitigate any significant impacts

Engineering and Design
Progressing from 30% to 60% design effort
NEPA COMPLIANCE PROCESS

ENGINEERING AND DESIGN

MID-BARATARIA SUMMARY SCHEDULE
Mid-Breton Sediment Diversion
MID-BRETON SEDIMENT DIVERSION

Project Location

LOCATION
River Mile 68
WILL’S POINT / BERTRANDVILLE, LA

E&D FUNDING
NFWF

TASKS
• Funding E&D, Construction
• Permitting and Construction Approvals
• Environmental (EIS)
• Land Rights
• Engineering and Design
• Operations

PROJECT DETAILS
• Inlet: Elev. -20 to -35 feet
• Width: 1,400-foot Corridor
• Length: Approx. 0.5 miles
• Capacity: est. up to 75,000 cfs

PROJECT FEATURES
• Inlet, Conveyance Structure, Outlet
• Interior Drainage Modifications
• Highway Relocation
MID-BRETON SEDIMENT DIVERSION

Project Location

MISSISSIPPI RIVER AND TRIBUTARIES LEVEE

NON-FEDERAL LEVEE
MID-BRETON SEDIMENT DIVERSION

Project Features
MID-BRETON SEDIMENT DIVERSION

Ongoing Efforts

- RIVER SEDIMENT/BASIN SAMPLING
- ENGINEERING & DESIGN – 15% EFFORT
- PHYSICAL MODEL TESTING
- OUTREACH & ENGAGEMENT
Next Steps

EIS

• Scoping meetings scheduled for early 2020
• Continued coordination with communities and stakeholders
• Refine operational controls, adaptive management plan, and mitigation strategies

Engineering and Design

Progressing from 15% to 30% design effort
Outreach & Engagement

195 MEETINGS

- ELECTED & PARISH OFFICIALS
- SEAFOOD INDUSTRY
- RECREATION INDUSTRY
- COMMUNITIES NEAR PROJECT SITES
- NGO, NONPROFIT, AND STAKEHOLDER GROUPS
- GENERAL PUBLIC

8,000 STAKEHOLDERS REACHED
THANK YOU