Coastal Restoration in Louisiana
The Corps Perspective

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Darrel Broussard USACE, New Orleans District

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US Army Corps of Engineers
BUILDING STRONG®





- Overview of major Louisiana restoration programs and studies
- Successful completion of 6 feasibility studies in 24 months
- Future of Coastal Restoration





Coastal Restoration Efforts

- New Orleans District is actively engaged in ecosystem restoration and planning
 - Coastal Wetlands Planning, Protection and Restoration Act
 - Beneficial Use of Dredged Material
 - Louisiana Coastal Area (LCA)
 - Louisiana Coastal Protection & Restoration (LACPR)
 - MRGO Ecosystem Restoration
 - Southwest Coastal Louisiana
 - Freshwater diversions and river management
 - Mississippi River hydrodynamic model and Delta Management study
- All efforts focus on environmental sustainability and balance of interests









Mississippi River Drainage Basin



Resources at Risk

Fisheries

- ▶ 20% of US commercial harvest
- Over one billion pounds landed annually
- World class recreational fishery

Energy Production

- ▶ 27% of domestic offshore crude oil supply
- ▶ 32% of domestic offshore natural gas
- ► LOOP facility connected to 50% of refineries

Ports and Shipping

- Rank #1 nationally by tonnage
- Lower Mississippi River is largest port complex in the world

Wildlife and Waterfowl

- ► Habitat for over 5 million migratory waterfowl
- ▶ 70% of Mississippi Flyway waterfowl population

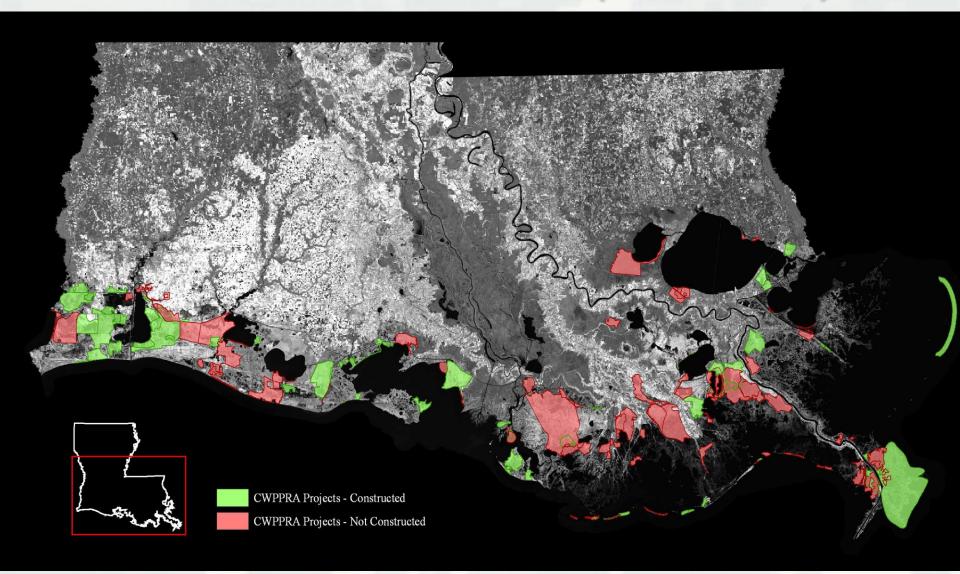


Integrated Water Resources Management

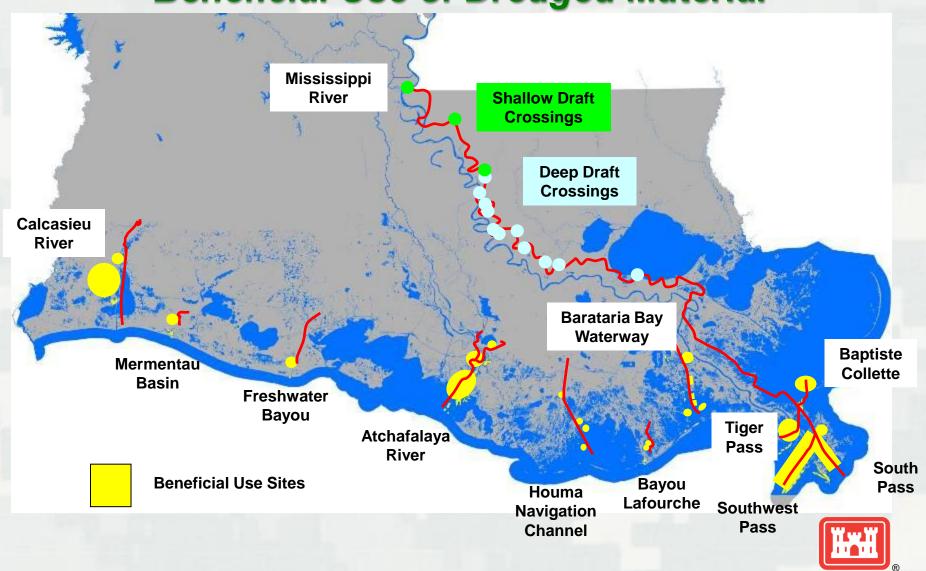
- Complex National Problem
- Shared responsibility Corps, Federal Partners,
 States, local governments
- Derive/Implement nationally beneficial solutions
- New perspective on land/water management requiring difficult decisions and tradeoffs
- Emphasis on efficiencies
- Transparency through collaboration



Coastal Wetlands Planning, Protection and Restoration Act (CWPPRA)



O&M Program Beneficial Use of Dredged Material



MVN Beneficial Use of Dredged Material FY 2010 Dredging Totals

Maintenance Dredging = 91,426,775 CY

Fluff = 15,679,328 CY

Not Available (Remote) = 25,145,863 CY

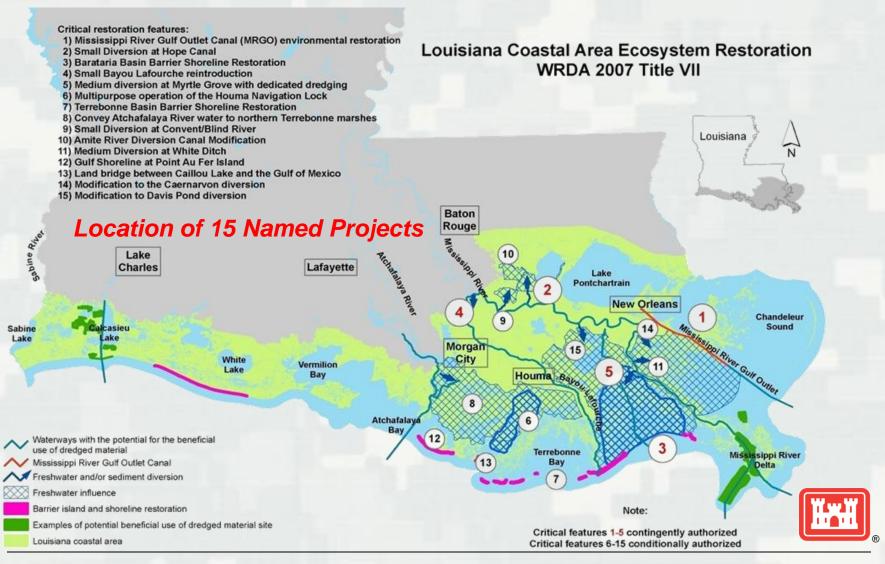
Suitable & Available for BU = 50,601,584 CY

Beneficial Use

= 20,753,219 CY (41%)



Louisiana Coastal Area (LCA) Near-Term Plan

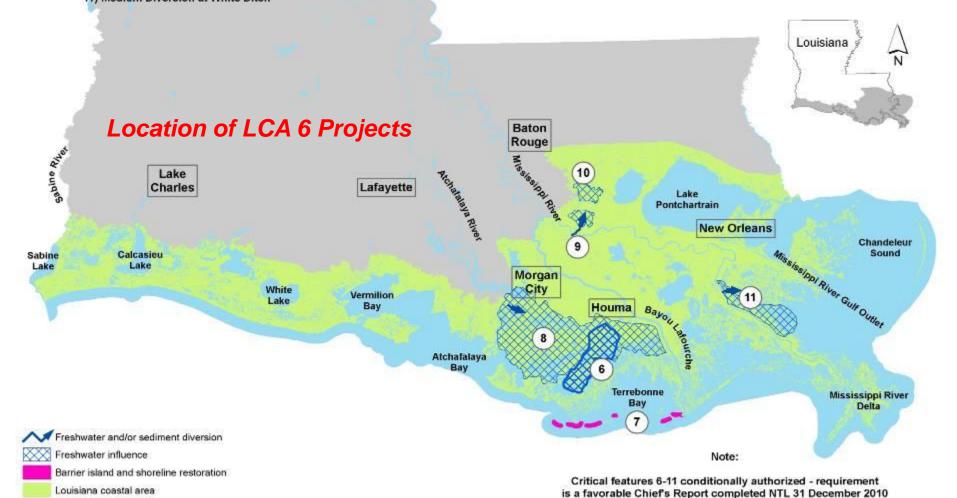


LCA "6" Projects

Critical restoration features:

- 6) Multipurpose operation of the Houma Navigation Lock
- 7) Terrebonne Basin Barrier Shoreline Restoration
- 8) Convey Atchafalaya River water to northern Terrebonne marshes
- 9) Small Diversion at Convent/Blind River
- 10) Amite River Diversion Canal Modification
- 11) Medium Diversion at White Ditch

Louisiana Coastal Area Ecosystem Restoration WRDA 2007 Title VII, Section 7006 (e) (3) (A)



LCA "6" Study Team

Corps Districts

- New Orleans
- Baltimore

St. Louis

- Mobile
- Rock Island
- Jacksonville

Norfolk

- Wilmington
- New York
- Ms Valley Division
- Walla Walla
- HQ-OWPR

Federal Agencies

- U.S. Environmental Protection Agency (EPA)
- Natural Resources Conservation Service (NRCS)
- National Marine Fisheries Service (NMFS)
- U.S. Fish and Wildlife Service (USFWS)
- U.S. Geological Survey (USGS)

State Agencies

- Office of the Governor Coastal Activities
- Louisiana Coastal Protection and Restoration Authority (CPRA)
- Louisiana Office of Coastal Protection and Restoration (OCPR)
- Louisiana Department of Wildlife and Fisheries (LDWF)

Academia/Consultants

- Southeastern Louisiana University
- SJB Group, LLC
- GEC, Inc.
- Camp Dresser & McKee
- Battelle



LCA 6 Streamlined Process

- Concurrent Reviews
 - Independent External Peer Review / Public Review / Policy Review
 - Phased Agency Technical Review
- Compressed Reviews
- Non Federal Sponsor had the technical lead on 3 of the 6 studies
- Cost Certification
 - Increase contingencies
 - Letter from the NFS acknowledging risk



Risk Management

- Policy Guidance Memo from Deputy Commanding General making this a top priority of the Corps
- Detailed Schedules
- Monthly In progress Reviews
- Identification of issues and quick resolution
- Communication

GI LCA-Atch RIV to NT Marsh Classic Schedule Layout				
activity ID	Activity Name	Original Duration	Start	Finish
118963 GI	LCA-Atch Riv to NT Marsh	203.0d	Feb-05-10 A	Dec-02-10
A1100	AT Plan Selection	0.0d		Feb-05-10 A
A1124	AT Preliminary Draft Report Prepared and Reviewed @ MVN	12.0d	Feb-08-10 A	Feb-24-10
A1130	AT Prepare Agency Technical Review (ATR) Package	14.0d	Feb-08-10 A	Feb-24-10
A1132	AT State to Provide Draft Letter of Intent to MVN	0.0d		Feb-12-10 A
A1136	AT MVN Provide Comments to Draft Letter of Intent	24.0d	Feb-17-10 A	Mar-22-10
A1133	AT Agency Technical Review (ATR)	11.0d	Feb-24-10	Mar-10-10
A1134	AT Submit ATR Response (Calendar Days)	4.0d	Mar-11-10	Mar-14-10
A1135	AT Resolve ATR Comments	4.0d	Mar-15-10	Mar-18-10
A1210	AT March IPR - ATR	1.0d	Mar-16-10*	Mar-16-10
A1101	AT Submit Alternative Formulation Briefing Report to HQ/MVD	5.0d	Mar-19-10	Mar-25-10
A1138	AT Prepare Independent External Peer Review (IEPR)	5.0d	Mar-19-10	Mar-25-10
A1152	AT Received Letter of Intent from State	28.0d	Mar-23-10	Apr-29-10
A1140	AT Independent External Peer Review (IEPR)	63.0d	Mar-26-10	Jun-23-10
A3070	AT Public Notice of Meeting	1.0d	Apr-01-10	Apr-01-10
A1140a	AT Conference call w/IEPR Panels	1.0d	Apr-09-10*	Apr-09-10
A1102	AT Alternative Formulation Briefing - AFB (To Be Held in Wash DC)	0.0d		Apr-13-10
A1105	AT AFB Guidance Memo	7.0d	Apr-14-10	Apr-22-10
A1103	AT Brief MRC on High Water trip	0.0d		Apr-15-10*
A1220	AT April IPR - AFB	1.0d	Apr-20-10*	Apr-20-10
A1148	AT Prepare Draft Feas Report/NEPA for Public Review	9.0d	Apr-23-10	May-05-10



LCA 6 Summary

- We hit our date!
- Buy in at all levels
- We leveraged all of the existing data, resources, and past reports to our advantage
- We streamlined the process as much as possible
- Vertical engagement was paramount
- Risk can be managed



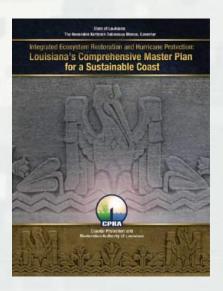
Future of Coastal Restoration

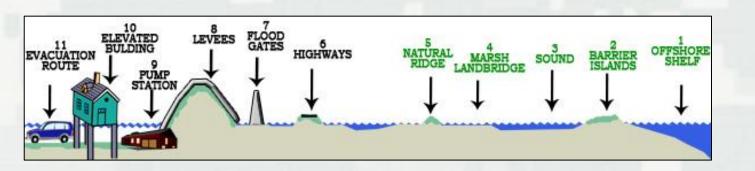
- Comprehensive Planning
- Challenges & Issues
- Keys to a Successful Program



Comprehensive Planning

- State Master Plan provides the overarching vision of LA coastal protection and restoration
- WRDA 2007 Section 7002
- Multiple lines of defense strategy
- Coastal restoration is a foundation of all alternative actions







Challenges & Issues

- View of Sustainability
- Crediting WRDA Section 7007
- Cost Share Agreements
- Use of funds related to the Deep Water Horizon oil spill



Keys to a Successful Program

- Funding
- Environmental Compliance
- Willing Non-Federal sponsor

