The Role of CWPPRA in Mississippi River Based Restoration Activities

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The Coastal Wetlands Planning, Protection and Restoration Act (CWPPRA) is the longest running coastal restoration program in Louisiana...

Over 20 years!
## CWPPRA Projects

### CWPPRA Projects

Filter Project List by:
- PPL: All
- Basin: Mississippi River Delta
- Agency: All
- Parish: All
- Restoration Type: All
- Completed: All
- Deauthorized: All

<table>
<thead>
<tr>
<th>PPL</th>
<th>Project Name</th>
<th>Agency</th>
<th>Project Types</th>
<th>Parish</th>
<th>Approved Estimate</th>
<th>Approved Funded Estimate</th>
<th>Current Estimate</th>
<th>Net Acres Benefited</th>
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<tbody>
<tr>
<td>15</td>
<td>Venice Ponds Marsh Creation and Crevasse</td>
<td>EPA</td>
<td>Marsh Creation, Water Diversion</td>
<td>Plaquemines</td>
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<td>Spanish Pass Diversion</td>
<td>COE</td>
<td>Water Diversion</td>
<td>Plaquemines</td>
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<td>14,212,168.03</td>
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<td>Marsh Creation</td>
<td>Plaquemines</td>
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<td>Water Diversion</td>
<td>Plaquemines</td>
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<td>Periodic Introduction of Sediment and Nutrients at Selected Division Sites (Deauthorized)</td>
<td>COE</td>
<td>Demonstration, Water Diversion</td>
<td>Plaquemines</td>
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• CWPPRA has planned, designed and constructed a variety of projects that utilize the fresh water, sediment and nutrient resources of the Mississippi River

• Projects start above New Orleans and run all the way to the Birds-foot Delta
• River based restoration did not begin with CWPPRA, but this program has done much to advance the science and knowledge base of this type of restoration.

• There is an enhanced focus on using Mississippi River resources for coastal restoration, and CWPPRA will continue to play a key role in developing and implementing river based restoration strategies.
• Even if they are not constructed under CWPPRA, projects may be transferred to other programs such as CIAP or LCA for construction, and/or offer valuable information to new projects through planning, data collection and preliminary design activities conducted in the CWPPRA program
Project Types

• **Diversions**
  – Siphons, Controlled Structures, Uncontrolled

• **Outfall Management**
  – Structural and Non-structural enhancements to outfall areas of existing diversions

• **Dedicated Dredging and Beneficial Use**
  – Placement of sediment dredged from the river to create marsh platforms and barrier islands
Diversion of Fresh water, Nutrients and Sediment

- **Siphons**
  - Shallow intake pipes routed over the MR&T levee

- **Controlled Diversions**
  - Gated structures “built in” to the MR&T levee

- **Uncontrolled Diversions**
  - “cuts” through the natural levee, usually constructed where no MR&T levee is present
Outfall Management

• Modification to outfall/receiving area of an existing diversion project to enhance the performance of the original project

• Includes marsh creation, terracing, vegetative planting, artificial cuts, hard structure installation and shoreline protection features to increase freshwater and sediment retention
Dedicated Dredging & Beneficial Use of Dredged Material

- Entails use of sediment (typically sand) dredged from the Mississippi River to build marsh platforms in open water and to nourish or re-construct barrier islands
Mississippi River Sediment Delivery System - Bayou Dupont (BA-39)
Thank you!

Questions?