



## Assumption Parish Coastal Projects

### PROJECTS IN PLANNING

#### **Upper Barataria Basin Flood Management (BA-0211)**

USACE - Estimated Total Cost \$3,000,000

The Barataria Basin Flood Risk Management Study will investigate alternatives to address flood risk from tidal surges, coastal storms and heavy rainfall in the area between Bayou Lafourche and the Mississippi River System. The study will evaluate a range structural and non-structural approaches to regulate upper basin stages and storage capabilities. Possible solutions include a combination of small scale levees and floodwalls, conveyance channels, flood gates, tidal exchange structures, flood walls, and pumping stations.

### NRDA REC USE PROJECTS

#### **Statewide Artificial Reefs**

NRDA – LDWF – Estimated Cost \$6,000,000

This project enhances eleven multipurpose reef sites across coastal Louisiana.

### COMPLETED PROJECTS

#### *Projects Completed in 2016*

#### **Mississippi River Water Reintroduction Into Bayou Lafourche - BLWFD (BA-0161)**

CIAP - Total Cost \$26,691,418 / State Dollars \$20,000,000

The Mississippi River diversion into Bayou Lafourche would restore coastal marshes and provides drinking water to over 300,000 residents. This project is the second incremental component of the larger diversion project and involved dredging Bayou Lafourche to a 1,000-cfs capacity channel for an additional 7-12 miles southward from the end point of the first increment (Bayou Lafourche Freshwater Introduction [BA-0025-SF]). The project will benefit the Terrebonne and Barataria Basins through reductions in the salinities and/or nourishment of wetlands with the introduction and distribution of sediment and nutrients from the river.

#### *Projects Completed in 2011*

#### **Bayou Lafourche Freshwater Introduction (BA-0025-SF)**

STATE - Total Cost \$20,000,000 / State Dollars \$20,000,000

The Mississippi River diversion into Bayou Lafourche would restore coastal marshes and provides drinking water to over 300,000 residents. This project is the first incremental component of the larger diversion project and involved dredging the first 6.2 miles of the bayou in Ascension and Assumption parishes.

## 2017 MASTER PLAN PROJECTS

### Restoration Projects: Year 1-10

#### **Bayou Lafourche Diversion (03a.DI.01)**

Diversion of the Mississippi River into Bayou Lafourche to increase freshwater flow down Bayou Lafourche with 1,000 cfs capacity (modeled with continuous operation at 1,000 cfs, independent of Mississippi River flow).

#### **Increase Atchafalaya Flow to Terrebonne (03b.DI.04)**

Dredging of the Gulf Intracoastal Waterway (GIWW) and construction of a bypass structure at the Bayou Boeuf Lock from the Atchafalaya River to Terrebonne marshes with 20,000 cfs capacity.

### Risk Reduction Projects: Year 1-30

#### **Amelia Levee Improvements (03b.HP.08)**

Construction of a levee to an elevation of 18 feet NAVD88 along the GIWW between Lake Palourde and the Bayou Boeuf Lock near Amelia. Project features approximately 46,400 feet of earthen levee, approximately 13,400 feet of T-wall, (4) 40-foot roller gates, (1) 250-foot barge gate, (1) 110-foot barge gate, and a 5,000 cfs pump station.

\*\*\* Assumption Parish may also receive benefits from other projects in adjacent parishes.