



St. John the Baptist Parish Coastal Projects

PROJECTS IN ENGINEERING AND DESIGN

River Reintroduction into Maurepas Swamp (PO-0029)

State - Estimated Cost \$200 million

This project is being designed to convey up to 2,000 cubic feet per second of water from the Mississippi River approximately 5 miles to the north into the Maurepas Swamp through Hope Canal. The specific objectives of the project are to: restore natural swamp hydrology; increase sediment and nutrient loading to the project area; increase substrate accretion; retain and increase existing areas of swamp vegetation, including over story cover; and reduce salinity levels.

West Shore-Lake Pontchartrain, Louisiana Hurricane Protection Feasibility Study (PO-0062)

HSDRRS - Estimated Total Cost \$760,000,000

This project will provide hurricane protection for communities along the east bank of the Mississippi River at the western shore of Lake Pontchartrain in St. Charles, St. James, and St. John the Baptist parishes. Project features include 17.5 miles of levee, one mile of T-wall, four pumping stations, and two drainage structures.

West Shore Lake Pontchartrain

GOMESA/PLD – Estimated Cost \$4,500,000

The project provides for data collection and preliminary engineering and design for upgrades to the federally authorized Hurricane Protection Levee system to provide flood risk reduction to homes and business within the protected project area.

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 FY 2017

LPV Mitigation Project, Manchac WMA Marsh Creation (PO-0146)

GNO-HSDRRS - Total Project Cost \$40,989,172

The project will provide 110 acres of marsh as required mitigation for impacts from Lake Pontchartrain and Vicinity (LPV) Hurricane and Storm Damage Risk Reduction System (HSDRRS). The project will increase the height of existing segmented breakwaters on the northwest rim of Lake Pontchartrain to the previously designed elevation, fill gaps to connect the breakwaters, and fill the area between the breakwaters and eroding shoreline with dredged sediment from Lake Pontchartrain to create marsh.

2017 COASTAL MASTER PLAN PROJECTS

Risk Reduction Projects Year 1-30

West Shore Lake Pontchartrain (001.HP.05) - Construction of a levee to an elevation between 16 and 19 feet NAVD88 in the Laplace area.

Edgard Nonstructural Risk Reduction (SJB.03N) - Project includes floodproofing non-residential properties where 100-year flood depths are 1-3 feet, elevating residential properties where 100-year flood depths are 3-14 feet, and acquisition of residential properties where 100-year flood depths are greater than 14 feet.

Restoration Projects: Year 1-10

Manchac Landbridge Diversion (001.DI.100) - A structure in the existing western spillway guide levee to divert 2,000 cfs capacity thereby increasing freshwater exchange with adjacent wetlands.

East Maurepas Diversion (001.DI.21) - Diversion into East Maurepas near Angelina to provide sediment for emergent marsh creation and freshwater to sustain existing wetlands, 2,000 cfs capacity.

*****Note:** St. John the Baptist Parish may also receive some benefits from sediment diversion projects in adjacent parishes.