



**US Army Corps
of Engineers**
New Orleans District

Project Fact Sheet

Official Project Name

Lake Pontchartrain and Vicinity Hurricane Protection – St. Bernard Parish
Hurricane Storm Damage Risk Reduction System (HSDRRS)

Location

St. Bernard Parish is located in southeastern Louisiana, east of and adjacent to the city of New Orleans. Approximately two-thirds of the parish is surrounded by water and consists primarily of marshlands formed by the Mississippi River Delta. The area of the parish along the western portion on the northern shore (east bank) of the Mississippi River has the highest elevation and heaviest population. Eastern portions of St. Bernard Parish consist of largely fresh, brackish, and saline marshes. Remnants of natural topographic ridges can be found along the existing or abandoned courses of river distributaries, or bayous. Other ridges, or Cheniers, are found along abandoned coastlines in isolated areas of the marshes. Barrier islands and beaches, in particular the Chandelier and Breton Islands, can be found at the edge of the Old St. Bernard delta.

Purpose

The project is designed to reduce the risk of flooding caused by a storm surge that has a 1% chance of occurring each year.

Status

The St. Bernard Parish HSDRRS has been broken into several smaller reaches and are referred to as Lake Pontchartrain and Vicinity (LPV) 144 through LPV 149. The various reaches are as follows:

- LPV 144 – Bayou Dupre Floodgate Replacement
- LPV 145 – Bayou Bienvenue to Bayou Dupre
- LPV 146 – Bayou Dupre to Hwy 46 near Verret, La
- LPV 147 – Hwy 46 and Bayou Road floodgate
- LPV 148.01 – Phase I: Verret to Caernarvon
- LPV 148.02 – Phase II: Verret to Caernarvon
- LPV 149 – Caernarvon Floodwall

LPV 148.01 is the only active construction project. This project consists of raising the Verret to Caernarvon levee to the pre-Katrina authorized height. Construction is 63% complete and is scheduled to be finished in May 2009. This project will raise a majority of this levee to elevation 20 ft.

The other reaches are in various states of design which are all scheduled to be complete by the end of 2009.

Authority

The Lake Pontchartrain, LA, and Vicinity Hurricane Protection Project (LP&V-HPP) was authorized by the Flood Control Act of 1965 and the Water Resources Development Acts of 1974, 1986, 1990, and 1992.

Scope

The recommended proposed action for each reach is indicated below:

- LPV 144: Bayou Dupre Floodgate Replacement – construct a new Bayou Dupre floodgate on the flood side of the existing structure.
- LPV 145: Bayou Bienvenue to Bayou Dupre – construct a new T-wall on the existing levee
- LPV 146: Bayou Dupre to Hwy 46 near Verret, La - construct a new T-wall on the existing levee
- LPV 147: Hwy 46 and Bayou Road floodgate – construct a new T-wall across Hwy 46 with a bridge/overpass to maintain traffic flow; construct a new flood gate at Bayou Road
- LPV 148.02: Phase II: Verret to Caernarvon – construct a new T-wall on the existing levee;
- LPV 149: Caernarvon Floodwall – various alignments are currently being investigated