



Upper Barataria Basin LA Coastal Storm Risk Management Study

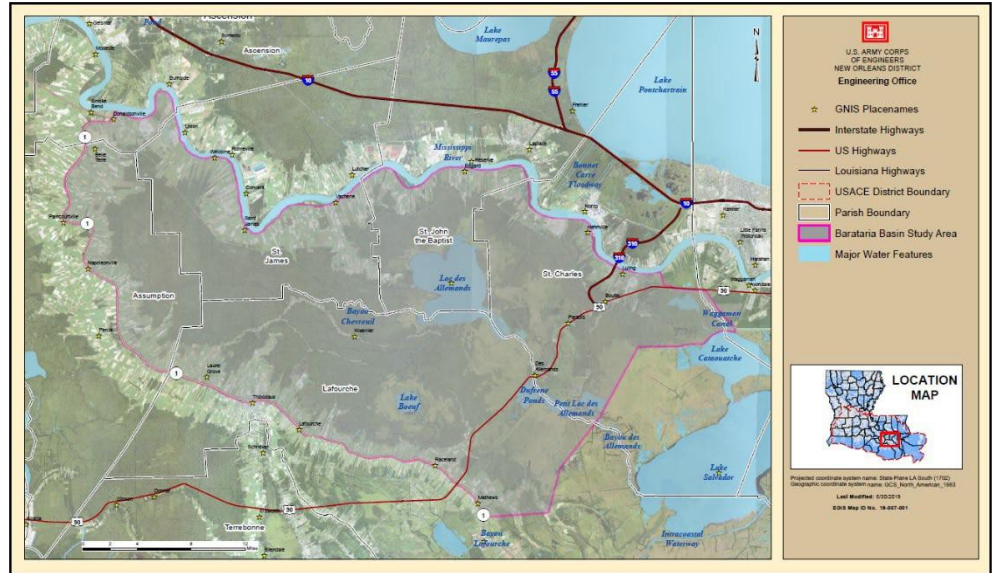
January 2020

U.S. ARMY CORPS OF ENGINEERS

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Study Scope: The Upper Barataria Basin Feasibility Study investigated alternatives for Coastal Storm Risk Management (CSRМ) and identified and evaluated a full range of reasonable alternatives including No Action. In accordance with USACE’s Planning Guidance Notebook (Engineer Regulation 1105-2-100), the product of this study is a decision document in the form of an integrated Feasibility Report and Environmental Impact Statement.

Study Area & Problems: The primary issue this study investigated is flood risk from tidal surges, coastal storm surges and rainfall. The headwater flooding from rainfall is intensified by tidal events resulting in flood damages to industrial, commercial, and agricultural facilities and residential structures. The study area includes communities in seven southeast Louisiana parishes; St. Charles, St. John, St. James, Jefferson, Ascension, Lafourche and Assumption. The Upper Barataria Basin study area is approximately 800 square miles and characterized by low, flat terrain with numerous navigation channels, drainage canals and natural bayous that drain into Lake Des Allemands. The study area contains a little over 25,000 structures in which 90 percent are residential.



Recommended Plan: The Recommended Plan is Alternative 1, Hwy 90 – Segment 1 Extension. This plan is estimated to produce nearly \$104 million in average annual benefits at an average annual cost of nearly \$52.5 million (total project cost approximately \$1.6 billion), for a Benefit to Cost Ratio (BCR) of 2.0 at the current Federal Discount Rate (FDR) of 2.25 percent.

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Recommended Plan (continued): The plan consists of a 30.6 mile levee alignment including 12.3 miles of existing levee/floodwall improvements. The 16-18.5 foot elevation levee would originate in Luling, Louisiana, connecting to the Mississippi River Levee via the Davis Pond Diversion Structure West Guide Levee. Continuing south, the plan would update and improve deficiencies in the St. Charles Parish Levee, crossing Bayou Des Allemands with a 270 foot barge gate structure, and would then continue parallel to Hwy 90 where it ties into high ground near Raceland.

Project Authority & Appropriation: This study was authorized under H.R. Docket 2554 (06 May 1998) the interest of flood control, navigation, wetlands conservation and restoration, wildlife habitat, commercial and recreational fishing, salt water intrusion and fresh water and sediment diversion, and other purposes, in the area between Bayou Lafourche and the Mississippi River System, from Donaldsonville, Louisiana, to the Gulf of Mexico. The study was funded through Bipartisan Budget Act of 2018. Construction authorization and appropriation would be required for the recommended plan to continue to construction.

Project Sponsor: Coastal Protection and Restoration Authority Board (CPRAB) of Louisiana is the non-federal sponsor.