Calcasieu Parish is one of Louisiana’s westernmost coastal parishes and includes Lake Charles, Calcasieu Lake, and the Calcasieu River. Calcasieu Parish has experienced moderate population growth as well as rapid industrial expansion. The parish seat and largest city is Lake Charles, and other more populous towns include Sulphur, DeQuincy, and Westlake. Economic growth has long been driven by the petrochemical industry, as well as the more recent rise of the aerospace and gaming industries.

**FUTURE WITHOUT ACTION LAND LOSS AND FLOOD RISK**

**YEAR 50, MEDIUM ENVIRONMENTAL SCENARIO**

Land change (loss or gain) for year 50 under the medium environmental scenario with no future protection or restoration actions taken.

Calcasieu Parish faces minimal wetland loss over the next 50 years under the medium environmental scenario with no further coastal protection or restoration actions. However, the parish faces some increased future storm surge based flood risk with no further action. Over the next 50 years (under the medium environmental scenario), 100-year flood depths could increase to 15 feet or higher in southern areas of the parish and along Lake Charles, Calcasieu Lake, and the Calcasieu River. The towns of Lake Charles, Moss Bluff, and Bell City are particularly at risk of increased future flood depths, while coastal flooding also encroaches closer to Vinton.

**CURRENT & FUTURE ECONOMIC DAMAGE FROM STORM SURGE BASED FLOODING**

Parish’s expected annual damage (EAD) from a 100-year storm event under the medium environmental scenario with no future protection or restoration actions taken. EAD is the average amount of damage projected to occur from storm surge flood events for a community, expressed as dollars of damage per year. While every community will not flood every year, these statistical averages show the expected flood risk and the damage that would be associated with that risk.
WHAT’S IN THE 2017 COASTAL MASTER PLAN FOR CALCASIEU PARISH?

PROJECT TYPES

- Barrier Island Restoration
- Ridge Restoration
- Marsh Creation
- Sediment Diversion
- Shoreline Protection
- Hydrologic Restoration
- Nonstructural Protection
- Structural Protection

2017 MASTER PLAN PROJECTS

Risk Reduction Projects: Year 1-30
- CAL.01N: Calcasieu Nonstructural Risk Reduction

Restoration Projects: Year 1-10
- 004.HR.06: Calcasieu Ship Channel Salinity Control Measures

FUTURE LAND CHANGE

Reduction in Annual Economic Damage

For more information about the 2017 Coastal Master Plan and protection and restoration projects in your parish, please visit: COASTAL.LA.GOV/OUR-PLAN/2017-COASTAL-MASTER-PLAN/