



## WHERE HAVE WE BEEN?

- 2009 | DFIRM's effective
- Evolving Coastal Landscape
- 2016 | Appropriated State Funding

## WHAT ARE WE DOING?

- SMPDD appointed Program Administrator
- Hired an experienced Technical Advisor
- Robust Discovery Phase and Community Outreach

## WHERE ARE WE GOING?

- Hiring an Engineering Contractor
- Performing an updated Coastal Analysis
- Maintaining constant coordination with FEMA

## GRASSROOTS EFFORT For the Coast, By the Coast

**1** The Federal Emergency Management Agency (FEMA) completed a riverine and coastal flood hazard analysis for Hancock, Harrison, and Jackson Counties in 2009, resulting in the adoption of the Digital Flood Insurance Rate Maps (DFIRM's) for these three coastal counties. Mississippi was one of the first communities to adopt the DFIRM's following FEMA's Map Modernization initiative. The resulting mapping significantly modified the Special Flood Hazard Area and was detrimental to the post Katrina recovery efforts. Since becoming effective, there have been a multitude of changes to the coastal landscape. In addition, there have been substantial technological advances in the development of hydrodynamic numerical models and mapping, along with newer and more accurate sources of data.

In 2016, the State of Mississippi, through the Mississippi Legislature, appropriated funding for the development and modernization of the DFIRM's for Hancock, Harrison, and Jackson Counties to more accurately reflect the landscape of the Mississippi Gulf Coast and utilize the most current scientific and technological improvements available. **The Mississippi Coastal Map Revision Project (MCMRP) is a grassroots movement, where the State of Mississippi is bearing the responsibility for the preparation of the Physical Map Revision (PMR) in accordance with guidelines established by FEMA.**

**2** Since late 2016, the Southern Mississippi Planning and Development District (SMPDD) has been engaged in the administration and implementation of the MCMRP. During this time, SMPDD hired a lead Technical Advisor, whose experience and knowledge of FEMA's flood mapping program will ensure the program remains on track and in accordance with FEMA regulations.

SMPDD mounted a robust Discovery Phase for the MCMRP. Outreach meetings have been conducted with each of the impacted local communities, including the Native American Tribal Nation, to gain local support for the program and specifically identify recent improvements to the coastal landscape in their respective communities. Local leaders have shown overwhelming praise and commitment to provide continued support throughout the PMR process. SMPDD has engaged the Mississippi Congressional Delegation and is currently coordinating with FEMA's Region IV in Atlanta, GA to request funding allocation for the review and processing of the Intermediate Data Submittals for the MCMRP.

**3** SMPDD will soon announce the selection of an engineering contractor for the MCMRP. This contractor will perform updated coastal flood analysis and mapping for Hancock, Harrison, and Jackson Counties. This updated analysis will ensure that these counties have maps which reflect the current flood risk based on modern ground elevation data, updated modeling, and inclusion of local resilient features. While borne from a grassroots effort within the communities themselves, and locally supported, this effort will be fully compliant with FEMA's guidelines and standards. **The entire study process will be closely coordinated with FEMA Region IV to ensure that the resultant mapping can be smoothly incorporated into the National Flood Hazard Layer.** These updated maps will ensure that residents of coastal Mississippi clearly understand their flood risk and empower these communities to proactively mitigate their risk. Accurate mapping will allow the coastal communities to confidently forecast the potential for growth and development coupled with the demand for flood insurance and financial risks that will allow for a positive economic growth for the Mississippi Gulf Coast.

## TENTATIVE PROJECT SCHEDULE

Estimated Submittal Dates to FEMA

<b>4</b>	<b>Jun 2018</b>	Data Acquisition and Technical Approach
<b>5</b>	<b>Jan 2019</b>	Offshore Water Levels and Waves: Storm Selection and Numerical Model Validation
<b>6</b>	<b>Aug 2019</b>	Offshore Water Levels and Waves: Production Runs and Statistical Analyses
<b>7</b>	<b>Feb 2020</b>	Nearshore Hydraulics
<b>8</b>	<b>Aug 2020</b>	Flood Hazard Mapping
<b>9</b>	<b>Sept 2021</b>	Final Map Adoption

