Mississippi Coastal Improvements Program

"A Comprehensive Plan for Coastal Resilience"

Briefing for NCER

August 4, 2011





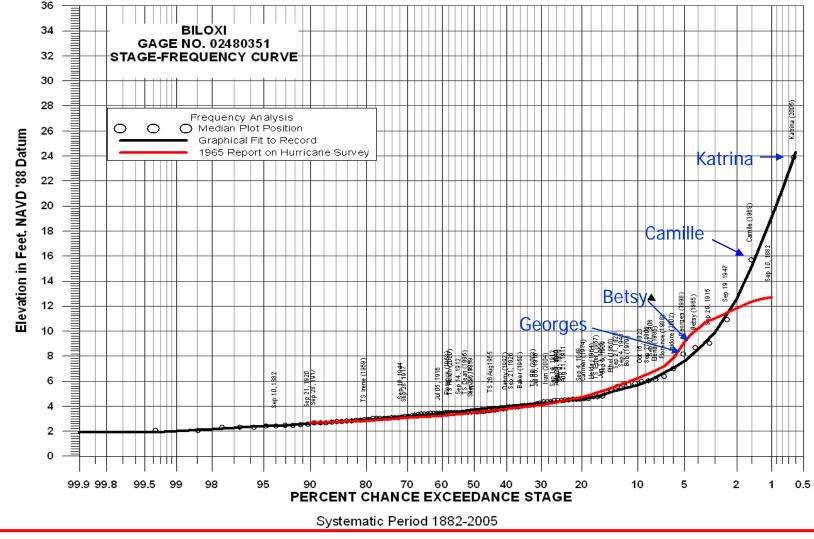
US Army Corps of Engineers BUILDING STRONG_®





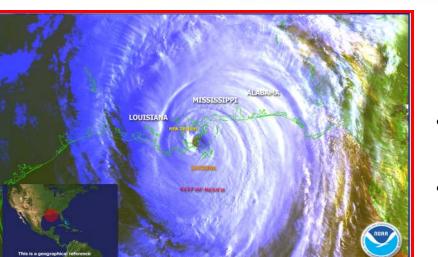
Bottom Line Up Front

- Coastal Mississippi is **twice as likely to be impacted** by a moderate to severe hurricane than the coast of Texas or the Florida panhandle
- Two of the most severe storms to hit the southern United States, Camille 1969 and Katrina 2005, made landfall in Hancock County
- Congressional authorization requires a comprehensive plan across multiple Corps mission areas
- Recommended Plan facilitates a resilient coast
 - System-wide and integrated
 - Risk based plan formulation
 - Phased implementation
 - Implement critical issues first
 - Transition toward long term plan



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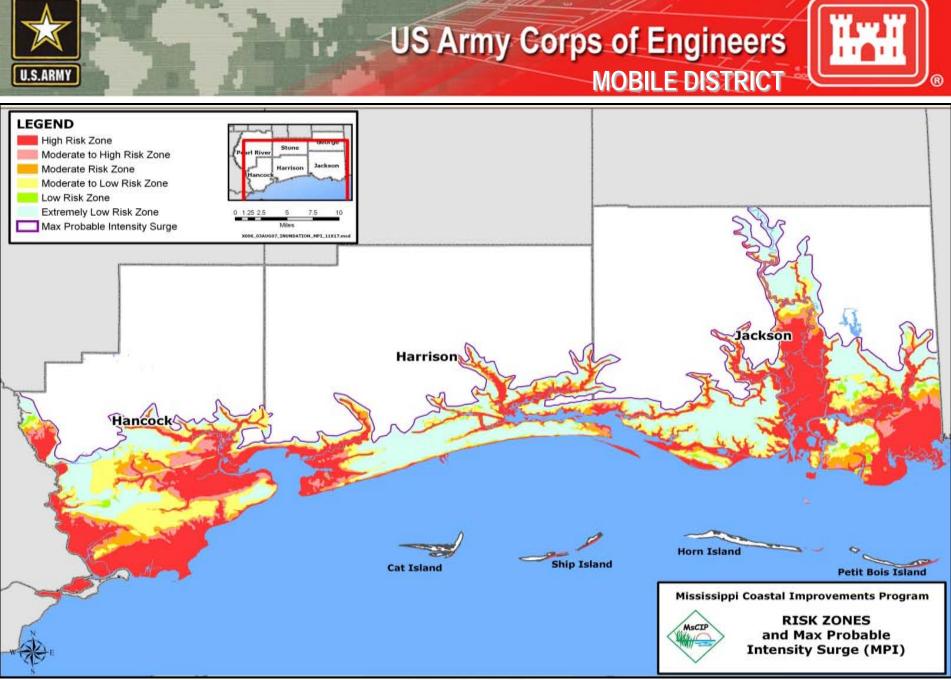




Mississippi Coastal Improvements Program

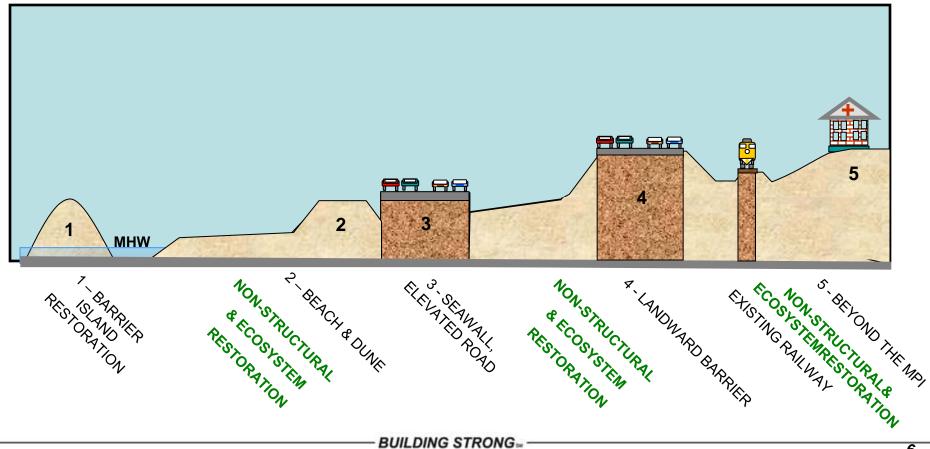


- P.L. 109-148, 30 December 2005, provided \$10M GI, additional funding \$2M in FY2008 and \$2M in 2011
- Comprehensive Planning to Address
 - Hurricane and Storm Damage Reduction
 - Salt Water Intrusion
 - Shoreline Erosion
 - Fish and Wildlife Preservation
 - Other Water Related Resource Projects
- Cost Effective Projects in lieu of NED benefits
- No Incremental Benefit-Cost Analysis
- Report requirements
 - Interim Report within 6 months
 - Comprehensive Plan within 2 years
- Compatible with State Coastal Restoration Plan





Development of Lines of Defense Concept





Interim Report

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- FONSI signed30 June 2006
- Chief's Report signed 30 Dec 2006
- PL 110-28 signed 25 May 2007authorized and appropriated \$107.7 M for construction of 15 projects

Summary Statistics

- Restore 35 miles of beach and dune systems
- Protect/enhance 3300 acres of coastal wetlands
- Restore 2 ½ miles of seawall systems
- Restore flood storage capacity and circulation in 11 miles of streams/canals
- Potential reduction in storm damage to over 41,000 structures
- Provide \$11 million in annual recreation benefits









Interim Report Elements

Hurricane / Storm Salt Water Intrusion Shoreline Erosion Fish & Wildlife

Harrison Hancock **Jackson** County County County Biloxi **Moss Point** 10 Gulfport 5 Gautier 2 Pascagoula 9 Bay St. Louis 🔗 10 Waveland 11 12 13 **Petit Bois** 15 14 Horn Ship Cat





















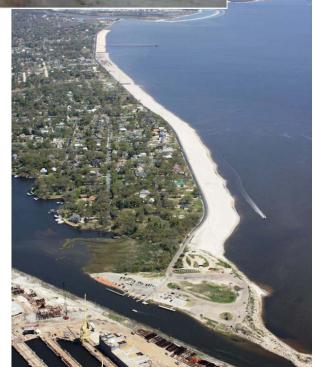










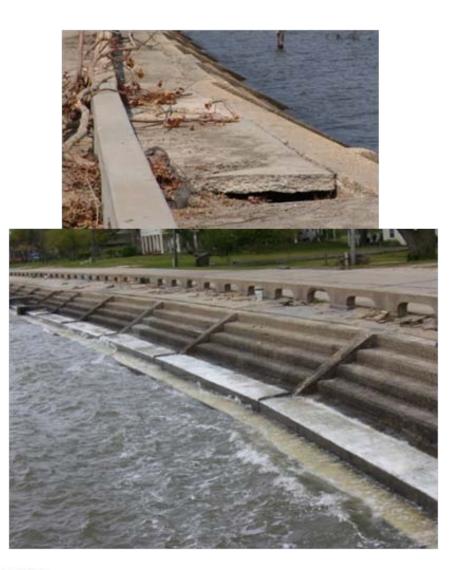






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Hurricane / Storm
Salt Water Intrusion
Shoreline Erosion
Fish & Wildlife



Franklin Creek Ecosystem Restoration

(\$1,860,000)

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- Real Estate Acquisition Challenges after the storm:
- Divorce: FEMA cottage on-site-wife occupied/ husband in home.
- Relocations prior to offers due to storm.
- Last Resort Housing.
- Off-setting benefits
- Constructive Occupancy