



**Linking Smart Growth and Safe Growth:
Disaster Recovery In Mississippi Following
Hurricane Katrina**

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Introduction

- **Hurricane Katrina in Mississippi: Harbinger of the Future?**
 - **Disaster Recovery**
 - **Hazard Mitigation**

- **Where and How We Build (Smart Growth/Disaster Resilience)**
 - **Before and After Disasters**

- **Linking Smart Growth and Safe Growth: Points of Intervention Versus Engagement**
 - **State (Governor's Commission on Recovery and Renewal, Governor's Office of Recovery and Renewal)**
 - **Regional (Mississippi Renewal Forum and the New Urbanists)**
 - **Community and Household (Gulf Coast Community Design Studio)**

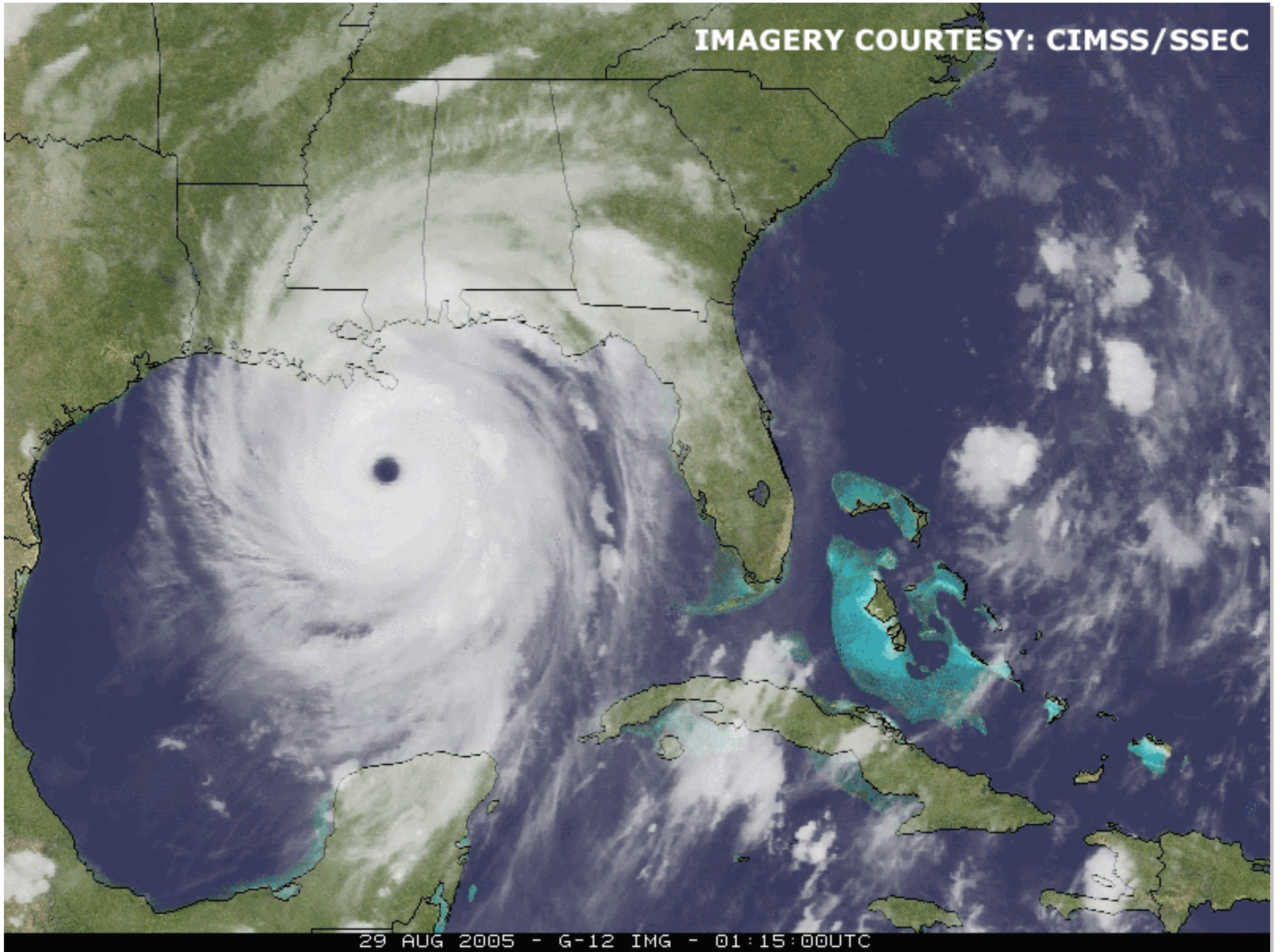
- **Implications and Recommendations**



Natural Hazard Versus Disaster



IMAGERY COURTESY: CIMSS/SSEC



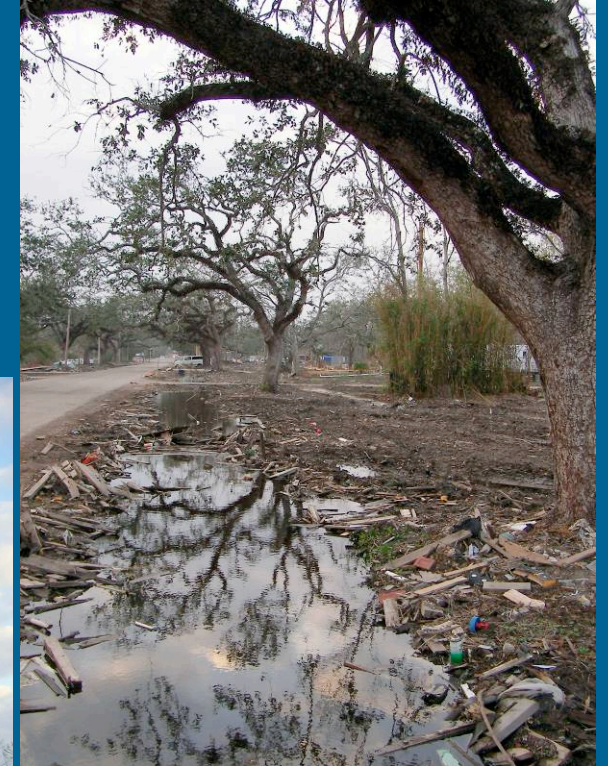
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What is the Appropriate Post-Disaster Design Standard?





Geography of Disaster, Land Use and Recovery



Risk, Sustainability (Smart Growth) and Disaster Resilience

- Can High-Risk Communities be Sustainable and Resilient?
- Market Behavior vs. Risk-Based Planning and Design
- Linking Planning to Sustainable Development (Smart Growth), Hazard Resilience, and Adaptation
- Role of the “Smart Growth” Community





State of Mississippi Governor's Commission on Recovery, Rebuilding and Renewal: The Role of the State and the Private Sector

AFTER KATRINA:

Building Back Better Than Ever



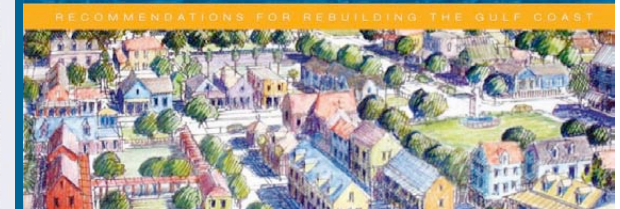
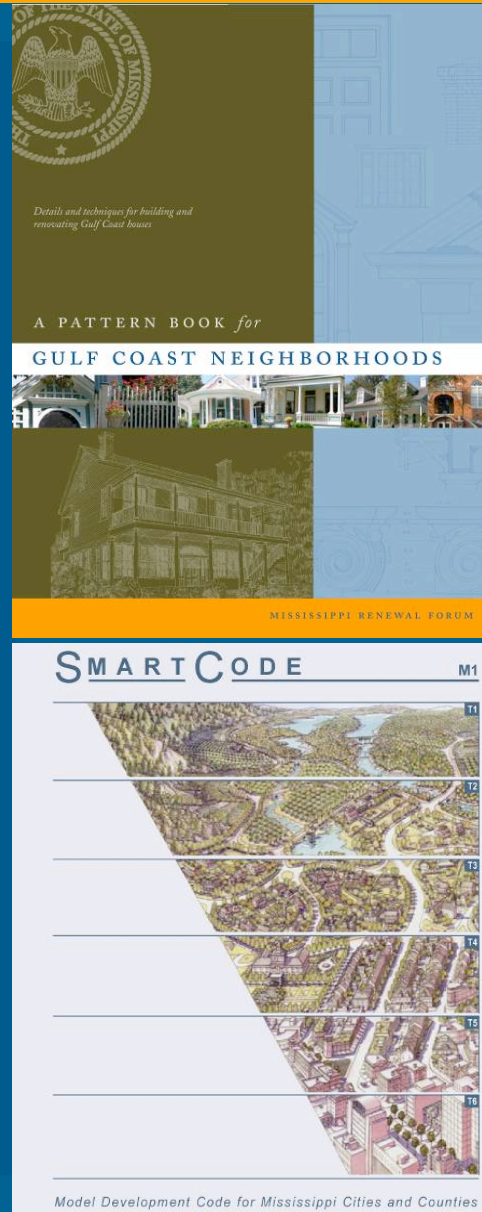
A Report to the Hon. Haley Barbour,
Governor of the State of Mississippi
from the Governor's Commission on Recovery, Rebuilding, and Renewal

– James L. Barksdale, Chairman
December 31, 2005

- **Lessons Learned from Hurricane Camille (1969)**
- **Recapturing Pre-Storm Culture**
- **Operational**
 - **Business Leadership**
 - **Accountability**
- **Regional Policy Plan**

Mississippi Renewal Forum and New Urbanism

- Form-Based Plans
- Pattern Book
- Smart Code
- Failing to Integrate Hazard Mitigation into Design Practice and Disaster Recovery





Risk and Post-Disaster Design and Redevelopment





Urban Form-Based Plans





Katrina Cottage



Governor's Office of Recovery and Renewal

- Implementation Focus
- Institutionalizing State and Local Capability
- Three Objectives
 - Identification of Funding
 - Policy Counsel
 - Education, Outreach, and Training
- Boundary Spanning Organization



Department of Natural Resources
Federal Emergency Management Agency
Disaster Mitigation Program

Park Model & Mississippi Cottage
Attachments to Proposal 1

ONE YEAR AFTER KATRINA



Progress Report on Recovery, Rebuilding and Renewal

AUGUST 29, 2006

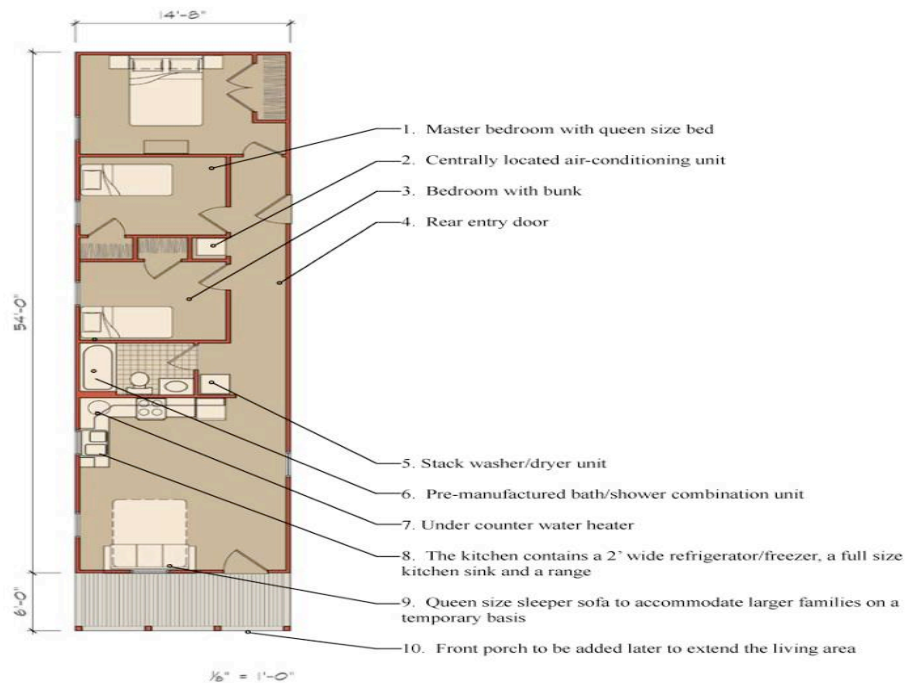
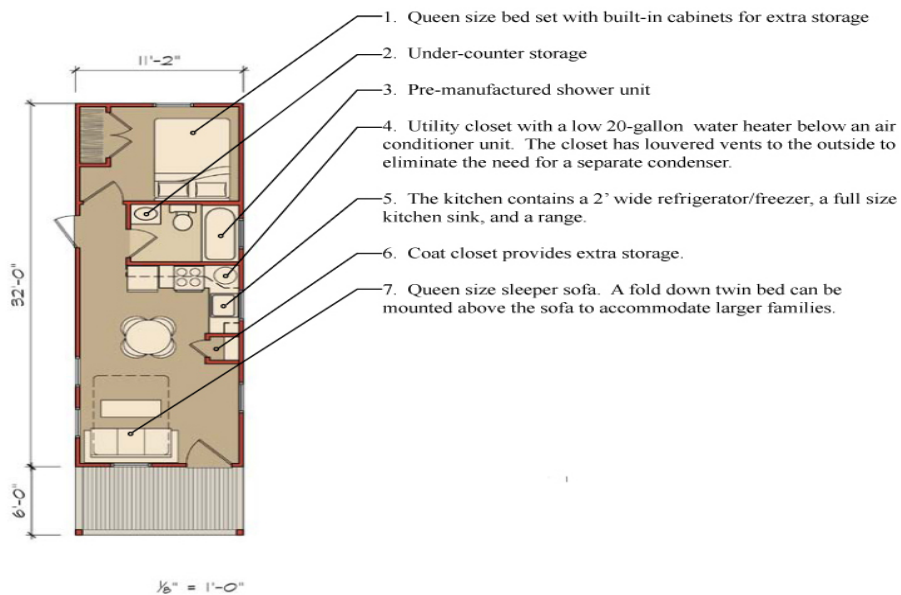


OFFICE OF GOVERNOR HALEY BARBOUR



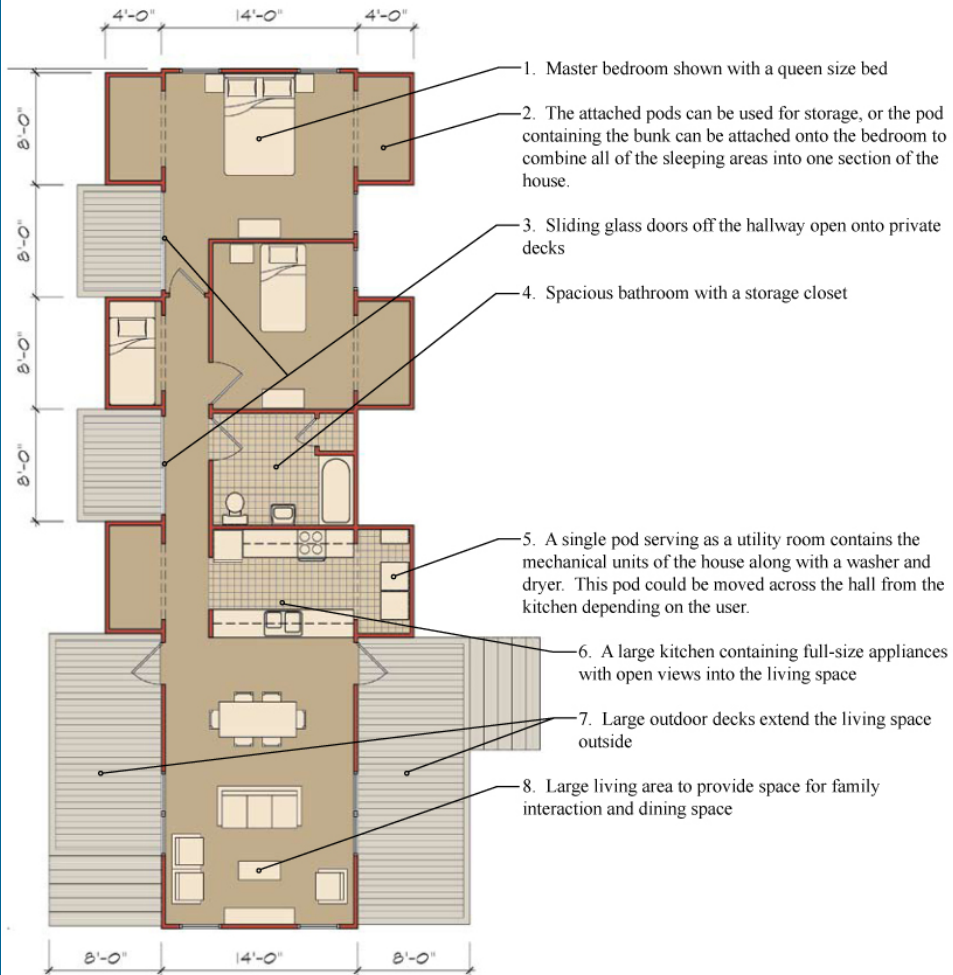


Mississippi Alternative Housing Program: Park Model and Mississippi Cottage





Mississippi Alternative Housing Program: Green Mobile





Gulf Coast Community Design Studio

- **Created Following Hurricane Katrina**
 - **Mississippi State University's College of Architecture, Art + Design**
 - **Focus on dialogue with individuals and the community**
 - **Capacity-Building Emphasis**
 - **Design, Affordable Housing, Coastal Resiliency and Sustainable Development**
- **Role of Design-Based Professionals in Disaster Recovery**
- **Close Working Relationship with Local and National Nonprofit Organizations**

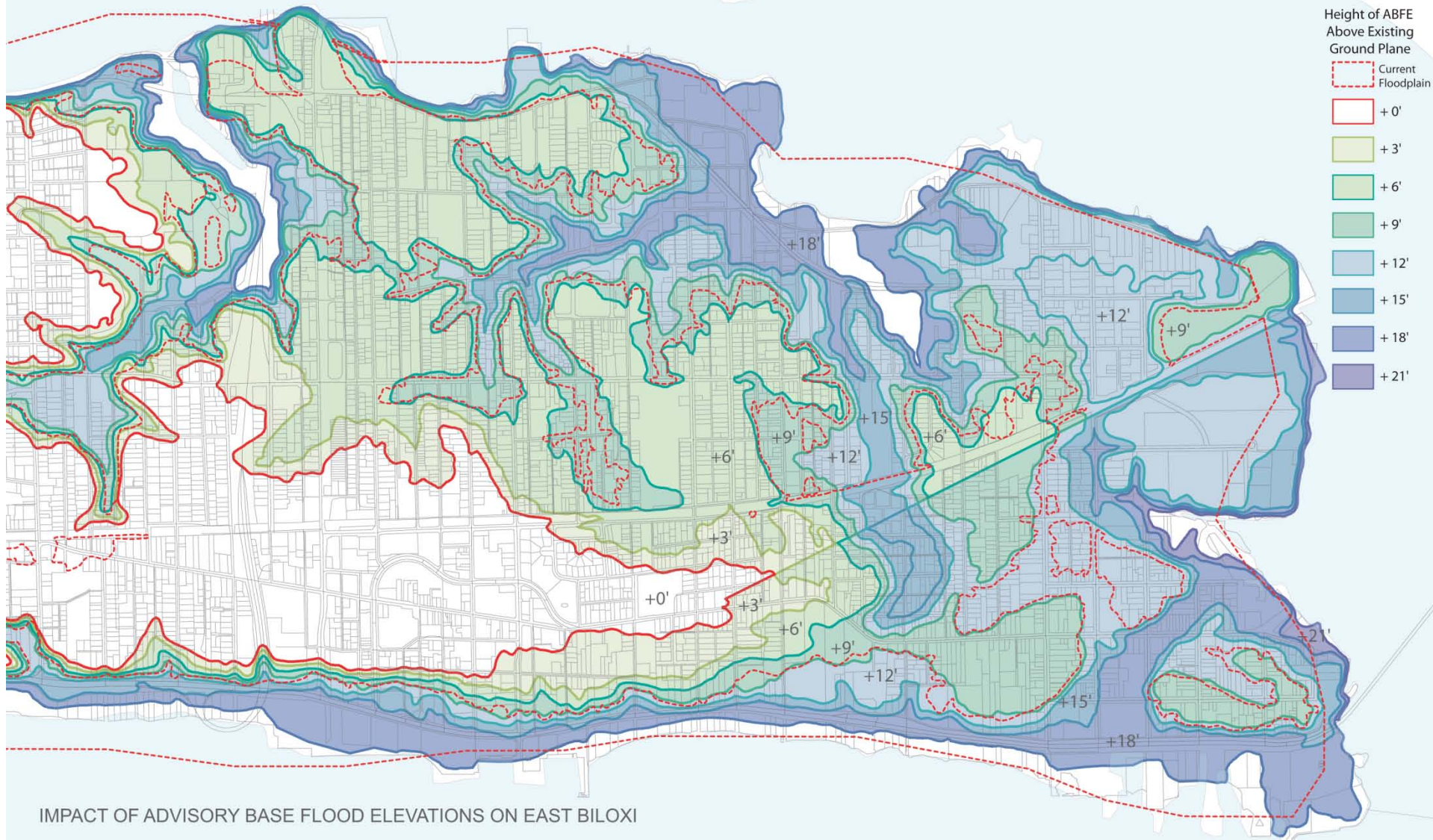


East Biloxi Mississippi, USA





GCCDS: Technical Assistance



IMPACT OF ADVISORY BASE FLOOD ELEVATIONS ON EAST BILOXI

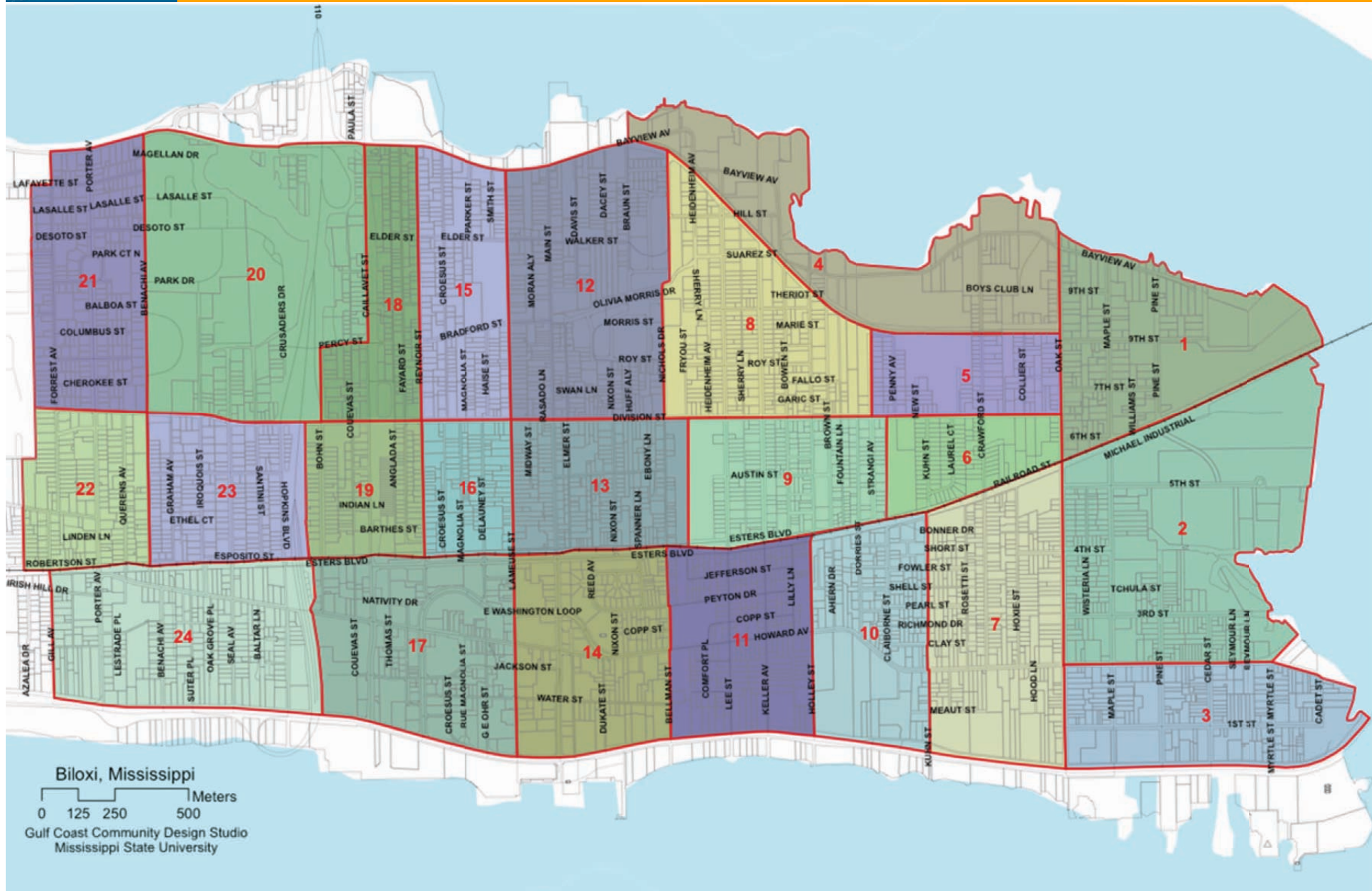
Gulf Coast Community Design Studio, March 2007

Source: FEMA Advisory Base Flood Elevations. Note: This is not an official FEMA map.





GCCDS: Linking Resources and Local Needs





Houseraising: Gulf Coast Community Design Studio and the Moore Community House Women in Construction Program





GCCDS Home





Implications and Recommendations

- **Importance of Local Advocate**
- **Post-Disaster Innovation Highly Variable**
- **Utilize Existing Planning Tools**
 - **Comprehensive Planning**
 - **Pre- and Post-Disaster Planning**
- **Planning as the Coordination of Resources**
 - **Hazard Mitigation**
 - **Disaster Recovery**
- **Engagement of “Smart Growth” Community**
 - **Disaster Mitigation Act of 2000**
 - **National Disaster Recovery Framework**
- **Points of Intervention (technical, political, collaborative – education, training and coalition building)**



Human Settlements, Risk and Climate Change: Are We Learning from our Mistakes?





Questions?

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