

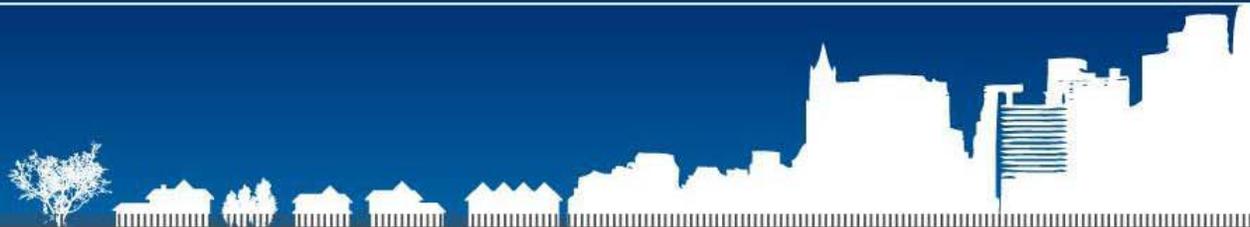
Hurricane Katrina Update: PD&R Assistance

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Hurricane Katrina

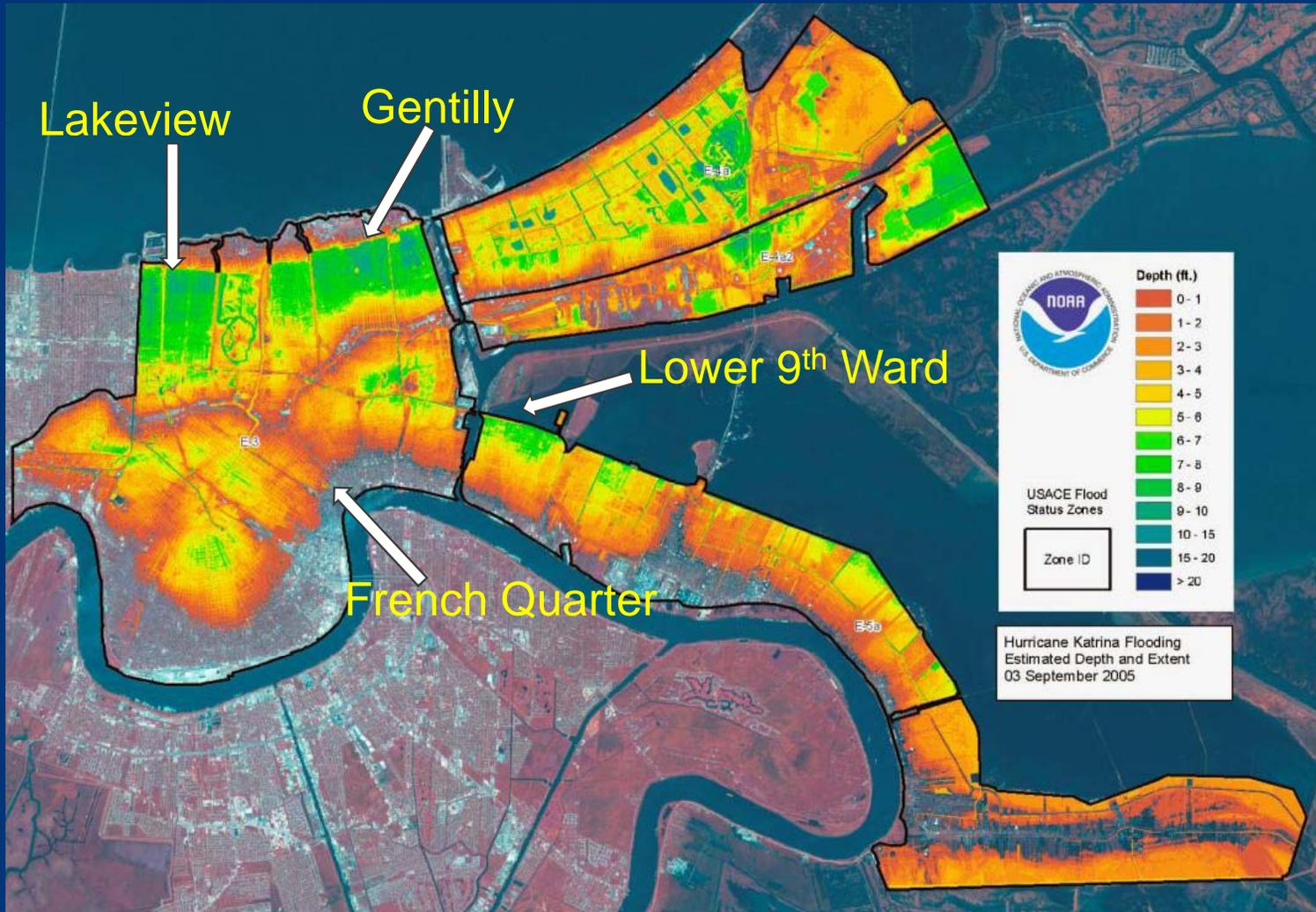
- Landfall on 29 August 2005
- Florida to Texas
 - Impact mainly to Louisiana and Mississippi
- Flooding in New Orleans
- Storm surge in coastal Mississippi
- Damage to homes, businesses and communities



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Flooding Extensive in New Orleans



Katrina's Impact on Gulf States

- **Storm surge damage in coastal areas**
 - **Extensive damage in coastal Mississippi**
 - **Flooding in New Orleans from levee failure**
- **Damage comparable to next four largest major disasters from past 20 years (Hurricanes Andrew and Ike, Midwest floods and Northridge earthquake)**
- **Private and public property damage**
- **HUD supplemental CDBG funding \$19.7 billion**
- **1.3 million homes damaged, 300,000 with major/severe damage**



Impacts and Challenges

- Housing losses
- Community and Housing demographics
 - High homeownership
 - Modest income
- Existing systems overwhelmed
- Flooding lengthened response and increased damage
- Resident's desire to stay



PD&R Immediate Evaluation and Involvement

- **Model for allocation of CDBG funding to affected states**
- **Framework for New Orleans Recovery**
- **Prototype for Long Term Community Recovery Planning**
- **Mold Study for New Orleans**
- **Economic Assessment activities**
- **Analytical support for HUD leadership**



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Federal Innovations and Activities

- **Disaster Housing Assistance Program**
- **Alternative Housing Pilot Program**
 - **State leadership of housing efforts**
- **Joint Housing Solutions Group**
 - **Identify alternatives to conventional disaster housing**
- **Long Term Community Recovery**
- **Rapid Rental Rehabilitation**
 - **Bringing housing on line regardless of source of damage**
- **PD&R Disaster Research**



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Disaster Housing Assistance Program - Katrina

- Pilot program provided extended temporary housing assistance to nearly 37,000 hurricane-affected families
- Enabled families to relocate out of the disaster area
- Helped families prepare for greater housing self-sufficiency

Initial Lessons Learned

- Many DHAP-Katrina families needed assistance for more than 4 years
- Approximately 12,000 families transitioned to the HCV program
- Case management services were valuable and necessary
- PD&R study of a sample of 3,000 DHAP-Katrina families is ongoing



Alternative Housing Pilot Program

- **FEMA pilot to examine housing alternatives**
- **One-time, \$400 million**
 - **Grants to Alabama, Mississippi, Louisiana and Texas**
- **About 4,000 homes produced**
- **PD&R involvement**
 - **Program guidance**
 - **Evaluating proposals**
 - **Program evaluation**
- **Lessons**
 - **Long-term temporary housing**
 - **Strong local support critical**



Joint Housing Solutions Group

- **FEMA effort**
 - HUD partnership
- **Identify and assess alternatives to traditional disaster housing**
 - What is new?
- **Issues include**
 - Production capacity
 - Utility for long-term use
 - Construction standards
 - Design expectations



Rapid Rental Rehabilitation

- **Authorized under the Post-Katrina Emergency Management Reform Act**
 - Temporary authorization for evaluation
- **FEMA allowed to repair available housing undamaged by disaster event**
- **Tested in Cedar Rapids, IA and Galveston, TX**
 - Significant interest
 - Non-profit housing providers often have units
 - Modest per unit cost
- **No authority for future use**



PD&R Disaster Housing Research

- **Roadmap for Disaster Housing Research**
- **Enhancing Disaster Resistance**
 - **Disaster Resistance in Existing Homes**
 - **Incremental Reconstruction of Damaged Homes**
 - **Benefits of Specific Disaster Housing Strategies**
- **Establishing Housing Production Factories Outside Disaster Areas**
- **Accessible Disaster Housing Designs**
- **Performance Requirements for Disaster Housing**

