

Coastal Zone Management and Community Resilience

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Samantha Danchuk, Ph.D., P.E., Assistant Director
Jennifer L. Jurado, Ph.D., Director
Environmental Planning & Community Resilience Division
Broward County





Broward County, FL



Characteristics

- Home to 1.8 million residents
- 24 miles of coastline
- Dense coastal development
- Flat and low-lying landscape
- Rich coastal resources



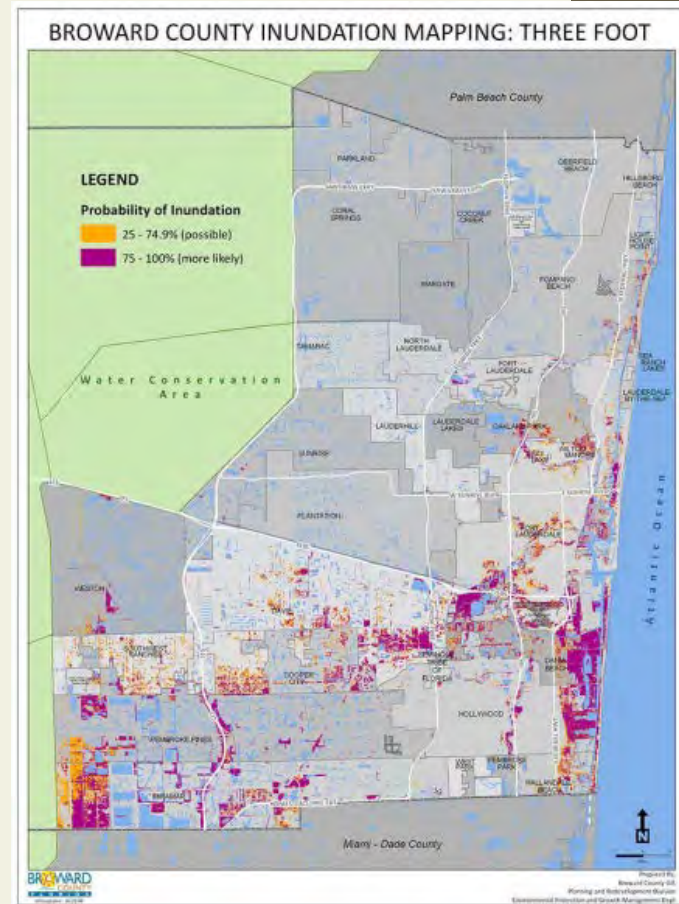
Anticipated Impacts

- Climate change and sea level rise
 - More extreme weather
 - Increased flooding
 - More intense wind damage and storm surge
 - More severe beach erosion
 - Impacts to water supplies
 - Degradation of natural resources



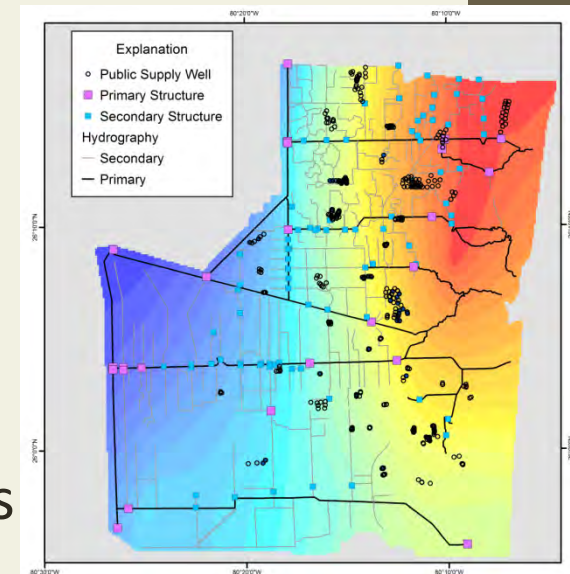
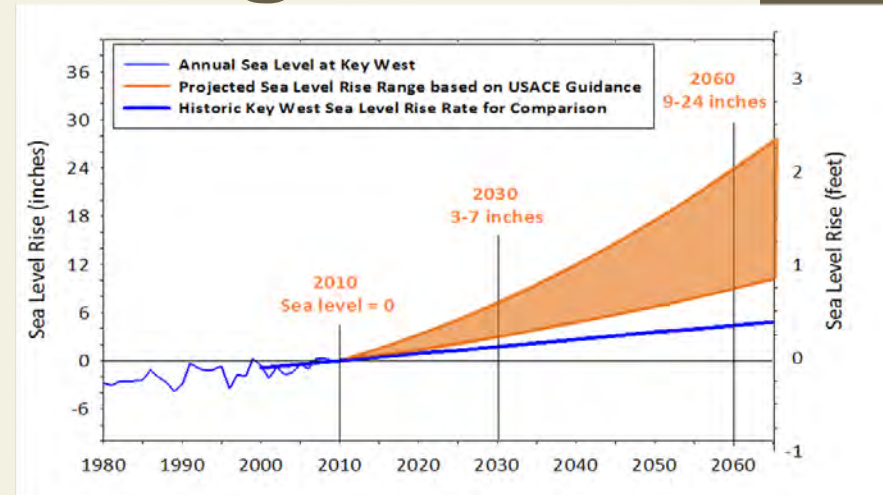
What's at Risk?

- \$ Billions in public and private infrastructure
- Critical habitat and natural systems
 - Coral reefs
 - Seagrass communities
 - Wetland systems
 - Beaches and dunes
 - Endangered and protected species
- Recreational and commercial fisheries
- Communities and economies



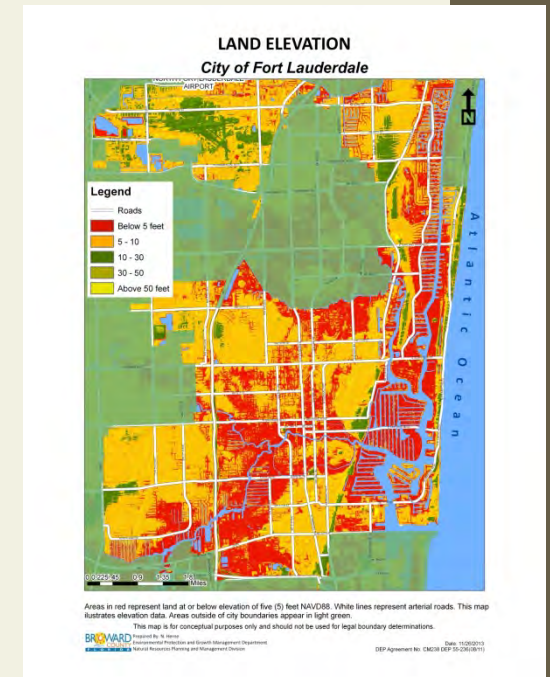
Call for Action: Planning for Resilience

- Policy Initiatives
 - Sea Level Rise/Land Use
 - Climate/Comp Plan
- Technical Tools
 - Hydrologic modeling
- Regional Collaborations
 - 4-County SE FL Regional Climate Change Compact
- Resilient Redesign
 - Municipal Support
 - Florida Coastal Zone Management Grants



Florida Coastal Zone Grants

- Resilient Communities Project
 - Outreach to 13 coastal municipalities
 - Provides individual assessments (maps, elevations, infrastructure)
 - Delivers policy and planning resources
- Adaptation Action Area (AAA) Pilot
 - Adopted into law in 2011
 - Prioritize projects and funding to address impacts of sea level rise
 - Provides guidance document and communication tools



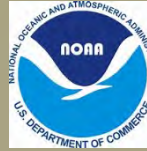
Continuing the momentum...

- Collaborations to increase awareness about hazards exacerbated by climate change, mitigation, and adaptation strategies.
- Efforts to advance “living shorelines” and green infrastructure as part of regional conservation and management strategies.
- Coordinated restoration of habitat and plans for large-scale connectivity to facilitate habitat shifts.
- Development of communication/decision tools to support infrastructure planning.



Agency Alignment and Action

*Federal
Partners,
and Programs*



*State Resiliency
Strategy*



*4 Counties
Regional Climate
Action Plan*



*Broward
County-wide
Focus*



Community Plans

- *Local Mitigation Strategy*
- *Stormwater Master Planning*
- *CDMP*

Summary

- Coastal zone management grants provide vital support to coastal communities.
- Funds support a diversity of built environment and natural systems needs, with community resilience a growing focus.
- Funds are substantially leveraged through community collaborations and partnerships.
- Unique in providing a dedicated source of funds that serve to address needs of coastal communities at the most local level.