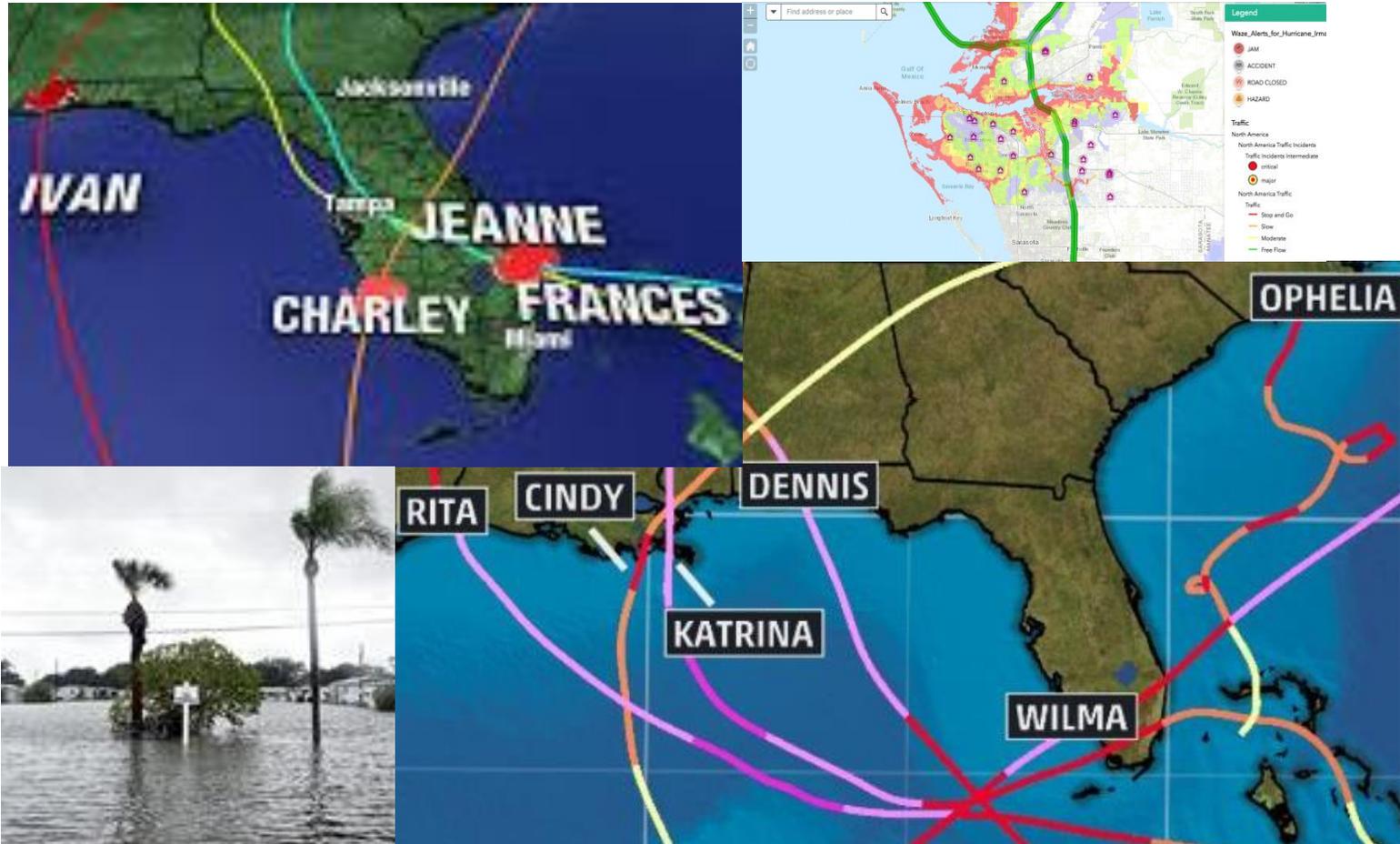


Peril of Flood Update



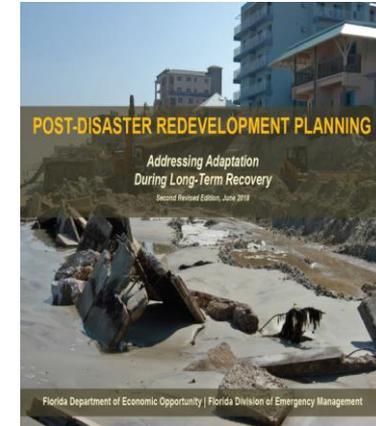
Background



Post-Disaster Redevelopment Plan (PDRP)

Five (5) Pilot Communities:

- Hillsborough County
- **Manatee County**
- Nassau County
- Panama City
- Polk County



<https://floridadep.gov/fco/florida-resilient-coastlines-program/documents/post-disaster-redevelopment-planning-guidebook>

Manatee County developed and adopted PDRP in 2008-09.

UF conducted an audit of the Manatee County PDRP in 2016-17 with a set of 14 recommendations for PDRP Update

UFRCI PDRP Audit Recommendations

1. **Prioritize repetitive loss properties for adaptive relocation** of existing use activities and explore the legality and means by which this can best be accomplished.
2. **Consider developing an adaptation action areas designation** as part of the next PDRP update.
3. **Include an environmental and/or habitat impact analysis** as part of the vulnerability assessment.
4. **Conduct an analysis of future sea level rise (SLR) inundation and current assessment methodologies.**
5. **Expand the scope of criteria included in the capacity assessment**, thereby improving the PDRP capacity score.
6. **Add tasks to the Recovery and Redevelopment Strategy and Action Plan to reduce disaster vulnerability** through land use and development policy and regulations.
7. Combine and reconfigure the Recovery and Redevelopment Strategy and the Recovery and Redevelopment Action Plan to **improve the administrative fluidity from goals, objective, policies, and strategies to actions/tasks**.
8. **Identify a task force of historic and cultural professionals** to, *inter alia*, identify significant individual sites, prioritize them by community interest and vulnerability, and advise the County on the results of its tasks.
9. **Reevaluate** the 34 seats currently allocated to the **PDRP task force to assure that every participant has a relevant role** and streamline procedures to increase effectiveness and efficiency.
10. **Recognize the increased use of social media and websites to improve public involvement** in implementing and maintaining the PDRP.
11. Revamp the PDRP Communications Plan to enhance its efficacy by **providing processes for accomplishing recovery and redevelopment tasks**.
12. Detail how to **fund the necessary communications systems**.
13. Update the existing funding source list, detailing specifically how to **handle potential food and water distribution shortages**, including overall food and water systems assessments.
14. **Synthesize (and hyperlink) the current documents into one (1) comprehensive planning and emergency management document** in two (2) versions—a complete digital and print document including appendices, and a “bare bones” handout version for use in an actual emergency—structurally organized to accord with the NATIONAL PREPAREDNESS SYSTEM.

Peril of Flood—F.S. §163.3178(2)(f) (2015)

(f) A redevelopment component that ~~which~~ outlines the principles that must ~~which shall~~ be used to eliminate inappropriate and unsafe development in the coastal areas when opportunities arise. The component must:

1. Include development and redevelopment principles, strategies, and engineering solutions that reduce the flood risk in coastal areas . . . from . . . related impacts of sea-level rise.
2. Encourage . . . the removal of coastal real property from [FEMA] flood zone designations.
3. Site development techniques and best practices [to] reduce [flood] losses [and] flood insurance claims.
4. [C]onsistent with, or more stringent than, the Florida Building Code and [FEMA] flood regulations 44 C.F.R. part 60.
5. Construction seaward of the coastal construction control lines must be consistent with chapter 161.
6. Encourage local governments to participate in the NFIP CRS to achieve flood insurance premium discounts for their residents.

2017-2018 Florida Department of Environmental Protection * Resilient Coastlines Program * Resiliency Planning Grant * Peril of Flood implementation * Partnership: Manatee County + TBRPC + UF



Impacts of Increased Flooding and Changing Conditions

Nearly \$1 Billion damages reported in 5 years

- \$953,566,850 in Citrus, Hernando, Hillsborough, Manatee, Pasco, Pinellas between Jan. 2014-June 2019



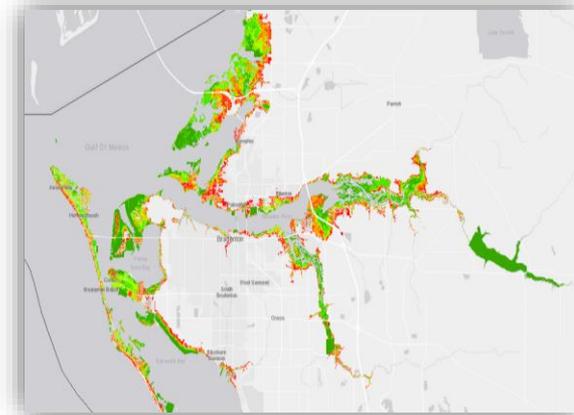
NOAA Storm Events Database <https://www.ncdc.noaa.gov/stormevents/>



Resilience Knowledge Building Activities

Workshops and Meetings January-June 2019

1. Nature-based Adaptation --Peril of Flood
2. Manatee County Community Resilience -- Peril of Flood
3. Resilience Presentation – Hank Ovink, Dutch Envoy
4. Financing Adaptation Projects – TNC and Harvard
5. Community Vulnerability Assessments – Peril of Flood
6. Community Redevelopment Areas (Pinellas) – Peril of Flood



Regional Benefits

Project engaged more than 300 local government staff, elected officials and consultants in the region

- Increased awareness of Peril of Flood provisions and recommendations for updates to Comprehensive Plans.
- Developed checklist to support integrated vulnerability assessments
- Raised awareness for nature-based adaptation strategies, and understanding of data for vulnerable populations and housing risks.
- Defined data needs and catalyzed new initiatives focused on CRAs and affordable housing.
 - Invitation to apply for private foundation project
- Produced maps of sea level rise (SLR) projections, generated new data and new analysis tools.
- Supported the Tampa Bay Regional Resiliency Coalition goals.

Manatee County Benefits

Staff strengthened robust GIS skills and resilience knowledge

- developed a County SLR online mapping tool and socio-economic impacts
 - Support assessments of infrastructure, housing and community vulnerability.

Manatee Resilience Workshop supported increased interactions with city staff and stakeholders

- City of Holmes Beach and Bradenton Beach became members of Resiliency Coalition

Integrating Resilience

1. Facilitate discussion to develop consistent vulnerability and risk assessment methodology for public infrastructure and natural resources
2. Support integration of CSAP sea level rise projections and compound flood risks into planning mechanisms including the local comprehensive plan and local hazard mitigation plan
3. Revitalize post-disaster redevelopment planning; engage Community Redevelopment Areas in resilience planning.
4. Fall 2019-2020 Major prioritization workshops to convene to develop consensus on social-economic risk factors and opportunities to develop Community Vulnerability Assessments

Next Steps for Manatee County

- Update Manatee County Post-Disaster Redevelopment Plan (PDRP).
- Integrate Manatee County PDRP with Comprehensive Plan, Comprehensive Emergency Management Plan, and Local Mitigation Strategy.
- Update Comprehensive Plan as part of Evaluation and Appraisal Review/Report (EAR) to comply with Florida Statutes for Peril of Flood requirements.
- Community Engagement.
- Public Hearings and Ordinance adoptions.
- Subsequent amendment (as necessary of land development regulations.)