

Hillsborough County Local Mitigation Strategy and the Community Rating System



**Presented By Hillsborough County's
Hazard Mitigation Section
Eugene Henry, Manager
Hazard Mitigation**



**Contributing Team Members: Andrea Iverson,
Bill Twaite, and Mike Rimoldi**

Welcome – Our Community During Blue-Sky Times!



Today's Scope

- **Glimpse into Local Mitigation and the National Flood Insurance Program Community Rating System**
- **Regional CRS Committee**
- **Benefits**

Definitions on the Subject

Definitions: APA, PAS Report 483/484, 1998 (except mitigation).

- **Mitigation:** Any action taken to prevent or reduce damages (loss of life and property) associated with natural or manmade disasters.
- **Post-Disaster Reconstruction Planning:** The process of planning prior to an actual disaster, those steps the community will take to implement long-term reconstruction with one of the primary goals being to reduce or minimize its vulnerability to future disasters. These measures can include a wide variety of land-use planning tools, such as acquisition, design review, zoning, and subdivision review procedures. . .
- **Recovery:** The process of restoring normal public or utility services following a disaster, perhaps starting during, but extending beyond the emergency period to that point when the vast majority of such services, including electricity, water, communications, and public transportation, have resumed normal operations. . .
- **Redevelopment:** This concept is similar in the post-disaster concept to reconstruction but deals with rebuilding the community's economic activity. . .
- Note: To maintain consistency with terms used in Florida Administrative Code, Post-Disaster Redevelopment is used in place of Post-Disaster Reconstruction Planning.



Bad Things Do Happen



Mitigation and Hazards Planning

Hillsborough County
Aerial Description of Pre-
and Post-Growth Management
and Floodplain Management
Regulations

Old-style coastal
floodplain development

Tampa Bay

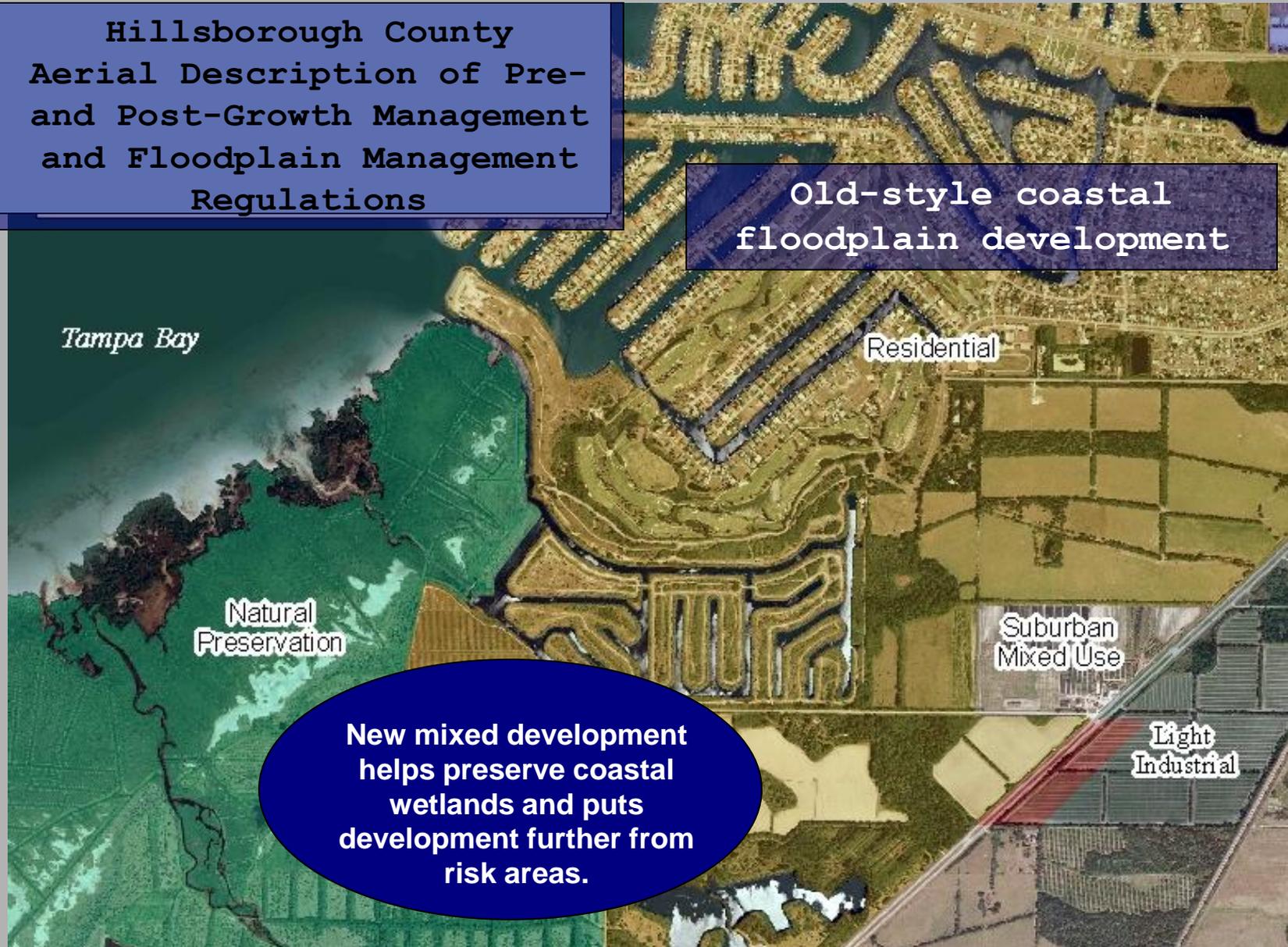
Natural
Preservation

Residential

Suburban
Mixed Use

Light
Industrial

New mixed development
helps preserve coastal
wetlands and puts
development further from
risk areas.



Mitigation and CRS Activities

Local Mitigation

Mitigation and Regulatory Review

Integrated Processes and Multiple Agencies

Land Use

LDC and Building Codes

Habitat Conservation Plan, Floodplain Management Plan . . .

Mitigation Activities

Elevation Projects

Preservation and Conservation Areas

Sirens

CRS

300 Series (Public Information Activities)

400 Series (Mapping and Regulations)

500 Series (Flood Damage Reduction Activities)

600 Series (Flood Preparedness Activities)

Floodplain Management Plan

Repetitive Flood Loss Planning

In Advance Collaborative Actions – WHY MITIGATION?

Hazard	Probability	Consequence	Frequency
Severe Storms	High	Major	2 to 3 Years
Hurricane, Minor	High	Moderate	2 years
Hurricane, Major	Moderate	Major	50 years
Wildfire	High	Minor	Multiple Annually
Flooding	Moderate	Minor to Moderate	5 to 10 Years
Sink Holes	Moderate	Minor	Multiple Annually
Drought	Low	Minor to Moderate	5 to 10 Years

VULNERABILITY

- **Most repetitive disaster in the County**
- **70,000 at risk within the Special Flood and Coastal High Hazard Areas**
- **Greater than \$10 billion in coverage**
- **Greater than \$6 million in annual savings to residents within unincorporated County Greater than 1 million People**

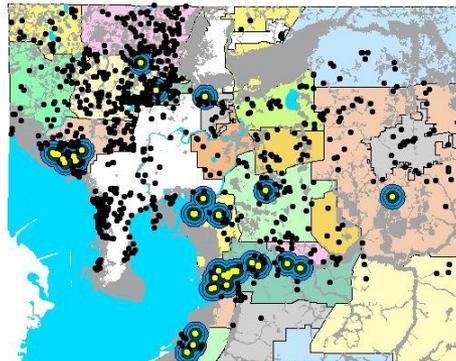
Risk Analyses and Vulnerability

Repetitive Flood Areas

Assessments

Man-made Hazard Areas

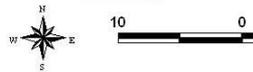
Hillsborough County Hazard Collection (Flood Impact Areas - Not Including Storm Surge)



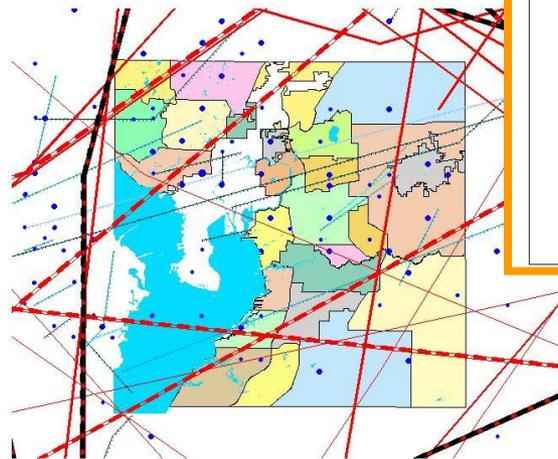
SOURCE: Base map from the Hillsborough County Planning and Growth Management Dept. Hazard Data from Federal forms.

REPRODUCTION: This map may be reproduced in part or in full without the consent of Hillsborough County.

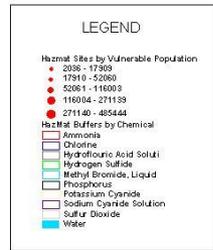
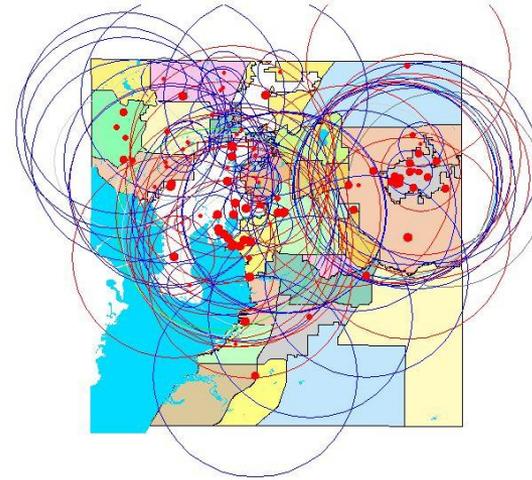
DISCLAIMER: Hillsborough County Hazard Mitigation provides this data for general planning purposes only. No warranty for availability or accuracy is provided.



Hillsborough County Hazard Collection (Extreme Weather)



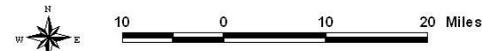
Hillsborough County Hazard Collection (Man-Made Hazards)



SOURCE: Base map from the Hillsborough County Planning and Growth Management Dept. Hazard Data from Federal Tier II forms.

REPRODUCTION: This map may not be reproduced in part or in full without the consent of Hillsborough County.

DISCLAIMER: Hillsborough County Hazard Mitigation provides this data for general planning purposes only. No warranty for availability or accuracy is provided.



SOURCE: Base map from the Hillsborough County Planning and Growth Management Dept. Hazard Data from Federal Tier II forms.

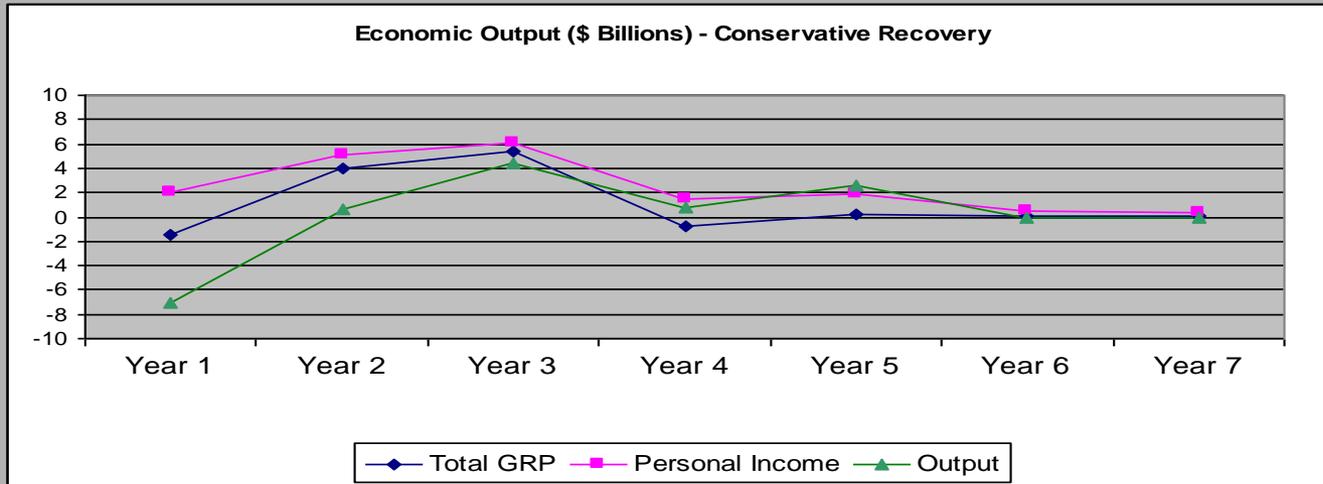
REPRODUCTION: This map may not be reproduced in part or in full without the consent of Hillsborough County.

DISCLAIMER: Hillsborough County Hazard Mitigation provides this data for general planning purposes only. No warranty for availability or accuracy is provided.

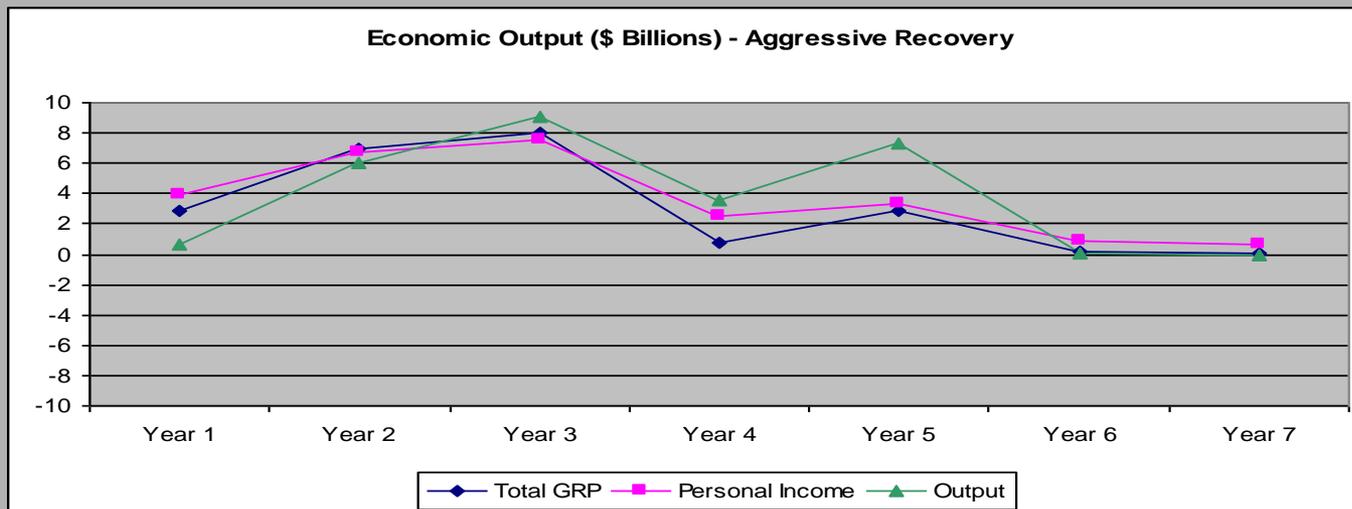


Tropical Storm & Tornado Areas

Pre- & Post-Disaster Redev. Planning – includes Reviewing Economic Impacts



Business Recovery Impacts



Mitigation and Community Rating System 10-step Planning Process

Worksheet-1.1 CRS.pdf - Adobe Acrobat Pro

File Edit View Window Help

Create [Icons]

1 / 1 [Icons] 143% [Icons] Tools Comment Share

Check ✓ if You Meet Both CRS & Part 201	Community Rating System (CRS) Planning Steps (Activity 510)	Local Mitigation Planning Handbook Tasks (44 CFR Part 201)
	Step 1. Organize	Task 1: Determine the Planning Area and Resources Task 2: Build the Planning Team 44 CFR 201.6(c)(1)
	Step 2. Involve the public	Task 3: Create an Outreach Strategy 44 CFR 201.6(b)(1)
	Step 3. Coordinate	Task 4: Review Community Capabilities 44 CFR 201.6(b)(2) & (3)
	Step 4. Assess the hazard	Task 5: Conduct a Risk Assessment 44 CFR 201.6(c)(2)(i) 44 CFR 201.6(c)(2)(ii) & (iii)
	Step 5. Assess the problem	
	Step 6. Set goals	Task 6: Develop a Mitigation Strategy 44 CFR 201.6(c)(3)(i) 44 CFR 201.6(c)(3)(ii) 44 CFR 201.6(c)(3)(iii)
	Step 7. Review possible activities	
	Step 8. Draft an action plan	
	Step 9. Adopt the plan	Task 8: Review and Adopt the Plan 44 CFR 201.6(c)(5)
	Step 10. Implement, evaluate, revise	Task 7: Keep the Plan Current Task 9: Create a Safe and Resilient Community 44 CFR 201.6(c)(4)

8.50 x 11.00 in

6:45 PM 05/01/2014

Community Rating System

- When your community participates in the CRS, everyone benefits, including those who don't live or own property in a floodplain. Even when there is no flooding, your community's public information and floodplain management efforts can improve the quality of life, protect the environment, make people safer, and save everyone money.
- If there is a flood, your CRS activities:
 - Save lives.
 - Prevent property damage.
 - Avoid lost jobs and economic devastation caused by flooding of offices, factories, farms, stores, and other businesses.
 - Prevent damage and disruption to roads, schools, public buildings, and other facilities.

Community Rating System and Floodplain Management

Credit Points	CRS Class	Premium Discount
4,500+	1	45%
4,000–4,499	2	40%
3,500–3,999	3	35%
3,000–3,499	4	30%
2,500–2,999	5	25%
2,000–2,499	6	20%
1,500–1,999	7	15%
1,000–1,499	8	10%
500–999	9	5%
0–499	10	0

Flood Threat



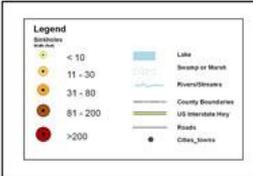
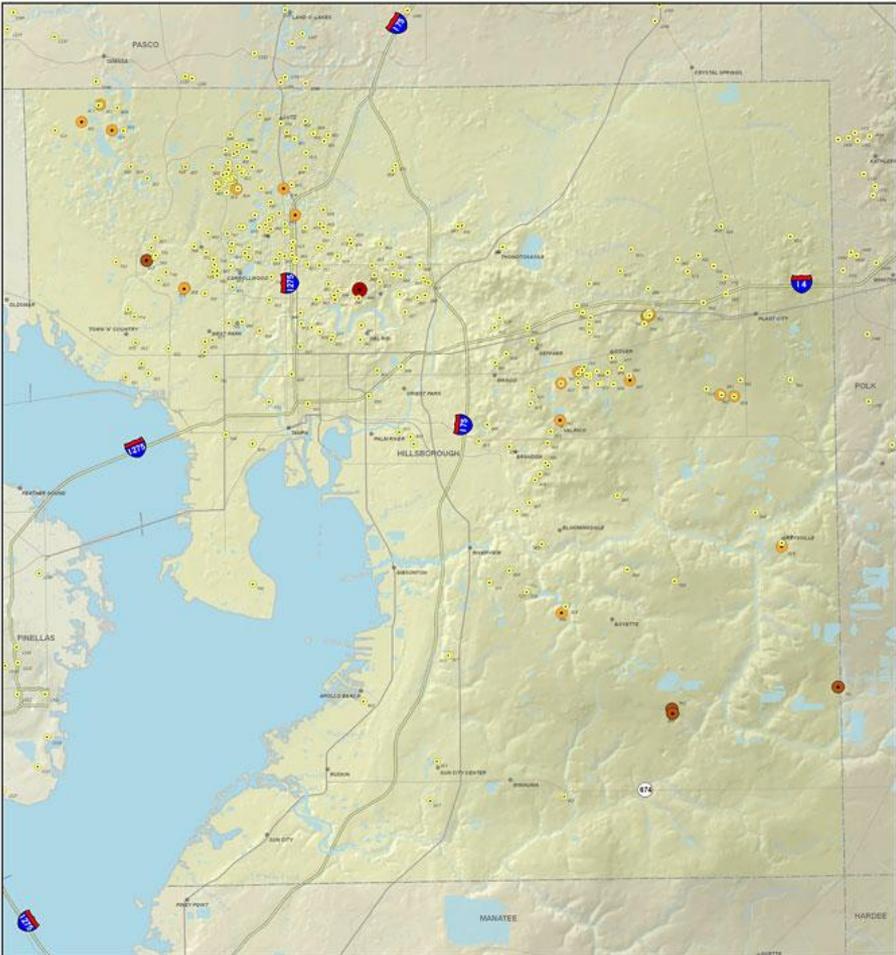
We Do Have Tsunami Threats



Wildfire Threat

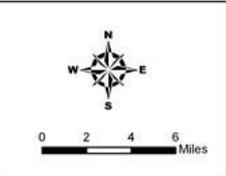


Sinkhole Threat



Hillsborough County Sinkholes

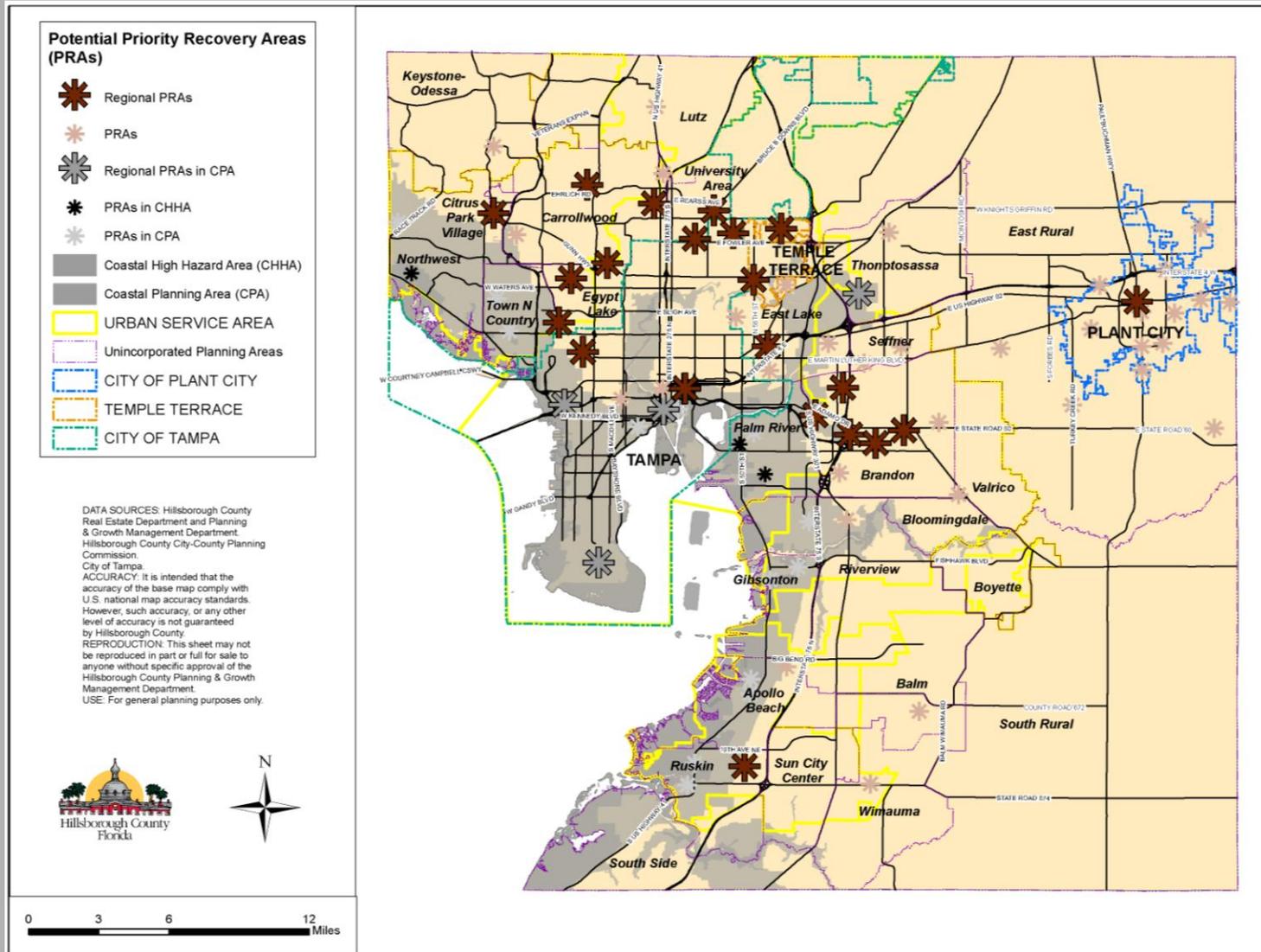
Produced in 2008 by the Florida Center for Instructional Technology (FCIT) using data from the Florida Department of Environmental Protection and the Florida Geological Survey.



Mitigated for Flood



Post-Disaster Redevelopment Plan Conceptual Priority Redevelopment Areas



Questions and Answers and Closing



Have a safe storm season!

Materials are available for your convenience at:

<http://www.hillsboroughcounty.org>