

Integrating Hazard Mitigation into Comprehensive Planning

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Session Overview

- Why integrate hazards?
- How hazard mitigation fits into FL's planning framework
- Opportunities for integrating
- Deciding what mitigation measures should be included in your comp plan
 - County Profiles as a template
- Regional Workshops as a starting point
- Lessons learned and next steps discussion

Why Integrate Hazard Mitigation?

- DMA2K requires the LMS to include a process for incorporating mitigation plan into other planning mechanisms, such as comprehensive or capital improvement plans, when appropriate.
- Florida's population is growing rapidly and vulnerability to hazards is increasing
- The comp plan provides the legal framework to enforce land use and development regulations that can decrease a community's vulnerability

Florida's Planning Tools and their relation to Hazard Mitigation

Purpose and Use	Comp Plan	PDRP	CEMP	LMS
Documenting hazard exposure and vulnerability of a community	✓		✓	✓
Defining policies that govern pre-disaster mitigation strategies	✓			✓
Defining policies that should govern post-disaster mitigation strategies	✓	✓		✓
Defining policies that should govern other post-disaster recovery and redevelopment actions	✓	✓		✓
Defining operational procedures for post-disaster recovery and redevelopment		✓	✓	

Hazard Mitigation Strategies

1. Get out of the way
 - Provide evacuation and sheltering services
2. Make the environment less hazardous
 - Protect and enhance natural protective features
3. Make structures more resistant to natural hazard forces
4. Manage the development and redevelopment of land in hazardous areas
5. Collaborate, coordinate, and educate



Land use Planning and Development Management Tools by Hazard Mitigation Strategy

Pre-Disaster	Post-Disaster	Planning and Management Tool	Provide Evacuation and Sheltering	Maintain and Enhance Natural Protective Features	Make Structures More Resistant to Natural Hazard Forces	Manage Development & Redevelopment in Hazardous Areas
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Building codes		✓	✓	✓
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Zoning regulations		✓		✓
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Overlay districts		✓		✓
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Setbacks and buffers		✓		✓
<input checked="" type="checkbox"/>		Subdivision regulations		✓		✓
<input checked="" type="checkbox"/>		Planned unit development regulations		✓		✓
<input checked="" type="checkbox"/>		Site design regulations and performance standards		✓		✓
<input checked="" type="checkbox"/>		Cluster development		✓		✓
<input checked="" type="checkbox"/>		Incentive zoning		✓	✓	✓
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Fee-simple property acquisition		✓		✓
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Purchase-and-sellback or leaseback		✓		✓
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Purchase of development rights and easements		✓		✓
<input checked="" type="checkbox"/>		Transfer of development rights		✓		✓
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Capital expenditure policies and programs		✓	✓	✓
<input checked="" type="checkbox"/>		Financing capital and operating costs	✓	✓		
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Education and information	✓	✓	✓	✓

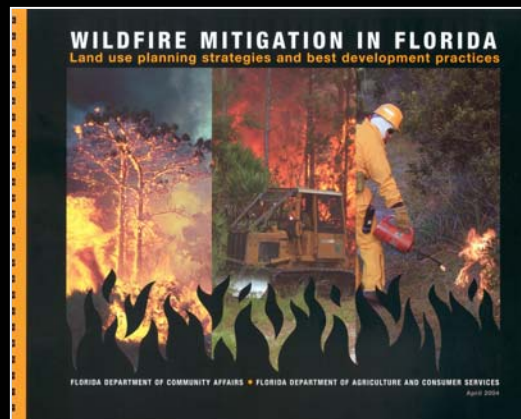
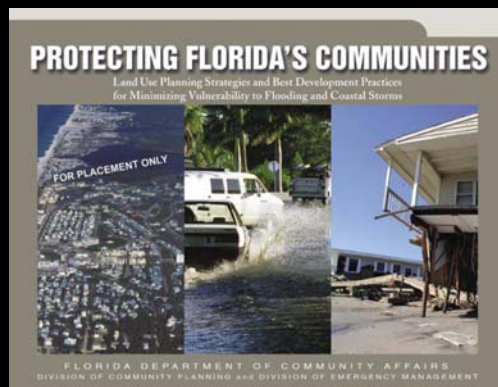
Opportunities to Protect Communities

- Robert T. Stafford Disaster Relief and Emergency Assistance Act, was amended in 2000, setting national criteria for the Local Mitigation Strategy
- Last year, all FL counties' LMS were updated to meet the DMA2K criteria
- Now local governments can integrate new LMS data, information, and more hazard mitigation concepts into the comprehensive plan as well as other plans
- EAR due dates are coming up for many communities

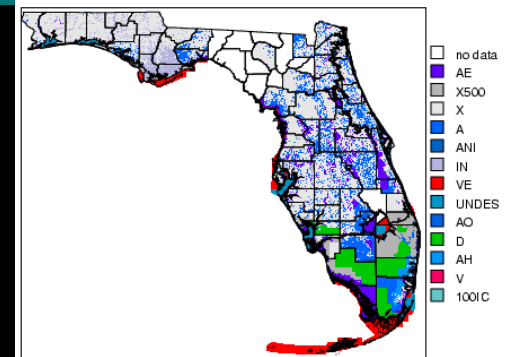
Technical Support

Mitigation Best Practices Guidebooks

- Hazard mitigation
- Wildfire mitigation
- Disaster plans for historic resources



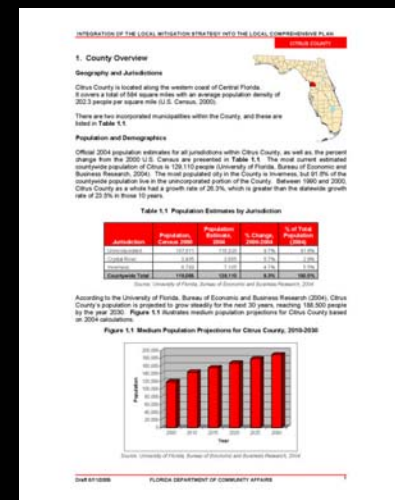
MEMPHIS Program



- Web accessible database containing hazards analysis of each county and each incorporation within the county;
- Covers floods, high winds, wildfire, sinkholes and for coastal counties surge and tsunamis;
- Developed for DCA by Kinetic Analysis Corporation and the University of Central Florida Dept. of Statistics;
- Available at <http://lmsmaps.methaz.org>

County Profiles

- Summarize MEMPHIS data and relate to local demographics
- Map hazards in relation to existing and future land use
- Calculate the acreage at risk to certain hazards within each land use
- Review existing mitigation measures
- Provide options for integrating mitigation into the Comp Plan and enhancing the LMS to provide a stronger basis for planning



Regional Workshops

- Counties broken into regional groups of 6-7 with all municipalities of those counties invited as well
- From May '05 through this June we held 12 of these workshops.
- Presentations combined some of the info presented today but going into more detail on mitigation tools that could be used in comp plans
- Also held discussions at end of the day on each county's profile- focusing on the recommendations

Regional Workshop Results

- Good introduction to hazard mitigation integration options
- Turnout was good with a mix of emergency managers and planners
- Individual jurisdiction meetings needed as next step

Lessons Learned and Next Steps

- Has anyone here begun integrating hazards into their comp plan?
- Thoughts on successfulness of this project
- What else is needed to assist local governments with hazard integration?
- What are the roadblocks for integrating mitigation into all plans?