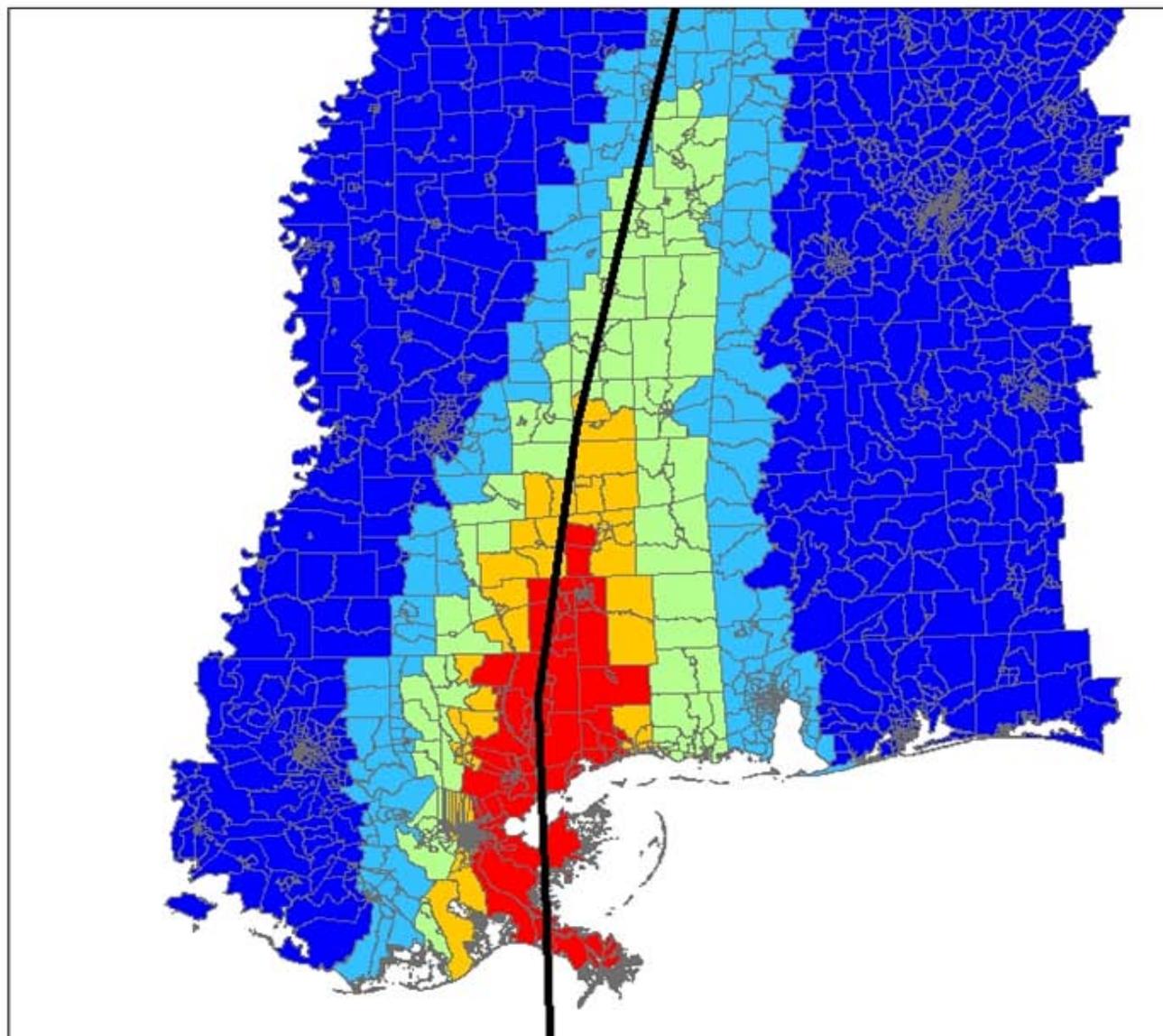


# TIMBER RECOVERY AND WOOD UTILIZATION RESPONSE PLAN

Proposed Knowledge Base  
Information System

Jim Shepard  
Department of Forestry  
Mississippi State University

# Hurricane Katrina's Max Sustained Winds as it Moved through Mississippi



## Legend

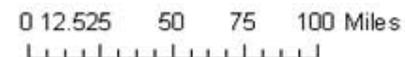
— Storm Path

### Max Sustain Wind

- 97 - 122
- 82 - 96
- 66 - 81
- 1 - 65
- 0

Data processed and  
map created by:  
Curt Collins  
SITL  
Forestry Department  
MSU

Derived from information  
available on the USGS  
Katrina disaster public  
domain ftp site.



Camille was a Lady, but  
Katrina was a ....







# Hurricane Katrina Forest Recovery

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*Links*

[Katrina Forest Recovery Message Board](#)

[MS Forestry Association](#)



[Forest One Damage Assessment](#)

[Forest One Windspeed Map](#)

## Hurricane Relief Call Center

The Secretary of Commerce established a Hurricane Relief Call Center as a resource for members of the U.S. business community desiring to contribute to the relief effort or who have been affected by Hurricane Katrina and need assistance.

The call center number is 1-888-4USA-DOC and it is staffed seven days a week from 8:00 AM to 8:00 PM ET.

# Wood Supply-Systems Group

## Forestry

College of Forest Resources  
Forest and Wildlife Research Center

## Hurricane Forestry Salvage Operations

- ▶ [Salvage Home](#)
- ▶ [Provide Service](#)
- ▶ [Search for Service](#)
- ▶ [Forest Product Companies](#)
- ▶ [Links](#)



[Click here if you are interested in providing salvage services](#)



[Click here if you are in need of salvage services](#)



[Click here if you are a Forest Product Company in need of wood](#)

Mississippi State  
UNIVERSITY

Mississippi State  
UNIVERSITY

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▶ [Links](#)

[Mike or Tammy Wilm](#)  
MS: any AL: any LA: any

Hack-Away Forest Products Inc. (608) 356-8215

[more info](#)

[Charles Sink](#)  
MS: any AL: any LA: any

Chugachmiut (907) 562-4155

[more info](#)

[Randy McKenzie](#)  
MS: any AL: any LA: any

Wood Products, Inc. (386) 719-2400

[more info](#)

[Glen Davis](#)  
MS: any AL: any LA: any

A.L. Baxley and Sons, Inc. (352) 266-8756

[more info](#)

[Charles Pruitt](#)  
MS: any LA: any

Pruitt Resources (903) 796-0505

[more info](#)

[Fernandez](#)  
MS: any AL: any

Eleven Construction Inc. (407) 810-4133

[more info](#)

[Sam Fodge](#)  
MS: any AL: any LA: any

FodgePulp, Inc (208) 267-5650

[more info](#)

[Gregg Marble](#)  
MS: any AL: any LA: any

Marble Mountain Farms Logging (423) 942-5084

[more info](#)

# MSU Extension Response to Katrina

- Taught 1<sup>st</sup> workshop less than 3 weeks after the storm
- By December taught 40 workshops to 2200 attendees



# Basics of Timber Casualty Losses

Deborah A. Gaddis, Ph.D.

MSU-Extension Forestry

Department of Forestry

662-325-8002

[dgaddis@ext.msstate.edu](mailto:dgaddis@ext.msstate.edu)

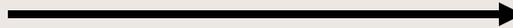


# Do I have a Manageable Stand Left?

**What is the Basal Area (density) of Undamaged Standing Timber?**

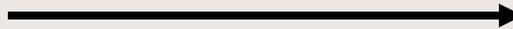
**Decision**

**50 ft.<sup>2</sup>/acre  
Or More**



**Manageable  
Stand**

**40 ft.<sup>2</sup>/acre**



**Rehabilitate  
Stand**

**30 ft.<sup>2</sup>/acre  
Or Less**



**Not  
Manageable**

# Forestry: Disaster Recovery

Weather related forest damage is a fact of life in Mississippi and the South. Hurricanes, ice storms, tornados, and high winds can affect any part of the state. These events can cause catastrophic damage to forests, and distress to forest owners, forest based businesses, and the communities in which they live.

The following publications, links and other materials are to help those trying to recover from a natural disaster:

- [Hurricane Damaged Timber Overview](#) --pdf file
- [Tips for Landowners Attempting to Salvage Hurricane Damaged Timber](#) --pdf file
- [Hurricane Katrina And Private Forest Ownerships](#) --pdf file
- [Timber Price Dynamics Following A Natural Catastrophe](#) --pdf file
- [Salvaging Timber - Frequently Asked Questions](#) --pdf file
- [Controlling Mold Growth When Cleaning Flooded and/or Rain-Wetted Homes](#) --pdf file
- Timber Casualty Loss and Involuntary Conversion  
[Download PowerPoint file](#) | [View the PowerPoint file as Web pages](#)
- Timber Stand Damage and Recovery After Katrina  
[Download PowerPoint file](#) | [View the PowerPoint file as Web pages](#)
- Basics of Timber Casualty Losses  
[Download PowerPoint file](#) | [View the PowerPoint file as Web pages](#)
- [Hurricane Damage to Hardwood Stands: Frequently Asked Management Questions](#) --pdf file

# MSU Proposal

- To build a Knowledge Base of information to facilitate recovery of biomass value
- Facilitate communications among landowners, companies, agencies, loggers and other service providers, and biomass using facilities
- To provide a resource for restoration and management of damaged forests

# MSU Proposal

- Build the system and populate it with data from two states as Proof of Concept
- Create templates for data entry for additional states to participate
- Web based and CD

# MSU Proposal

- Year 1
  - Hold an information gathering meeting in the two states
  - Design system architecture
  - Design modular data entry (e.g. templates)
- Year 2
  - Populate the system with data from 2 states
  - Beta test with users group from 2 states
  - Deliver to Woody BUG web site

# MSU Proposal

- Questions:
  - What to include in the knowledge base?
  - Should it include an expert system?
  - Which two states to use as proof of concept?
  - How to information entered for other states?
  - How to keep the system updated

