NWS Louisville Decision Support Services

Memphis All-Hazards Decision Support Workshop

February 10, 2010

Joe Sullivan
Warning Coordination Meteorologist
NWS Louisville, KY

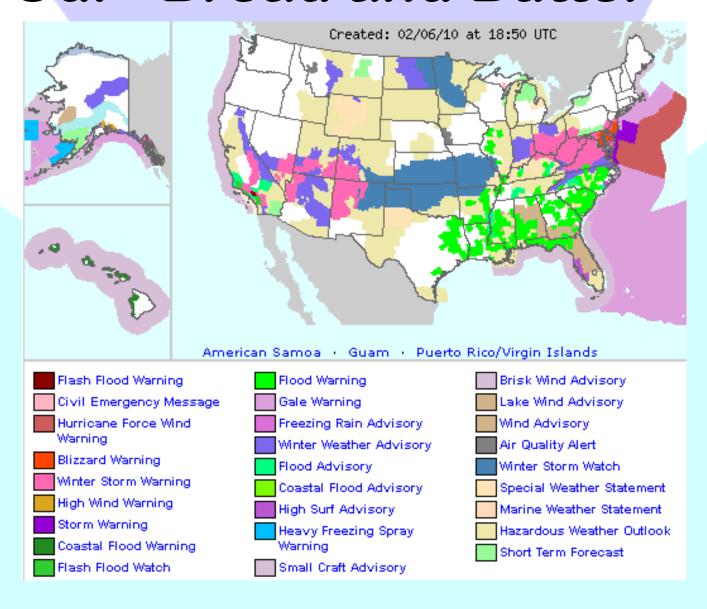
NWS Mission

"The National Weather Service (NWS) provides weather, hydrologic, and climate forecasts and warnings for the United States, its territories, adjacent waters and ocean areas, for the protection of life and property and the enhancement of the national economy. NWS data and products form a national information database and infrastructure which can be used by other governmental agencies, the private sector, the public, and the global community. "

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Our "Bread and Butter"



Disasters and Emergencies

Disaster:

a sudden calamitous event bringing great damage, loss, or destruction

Emergency:

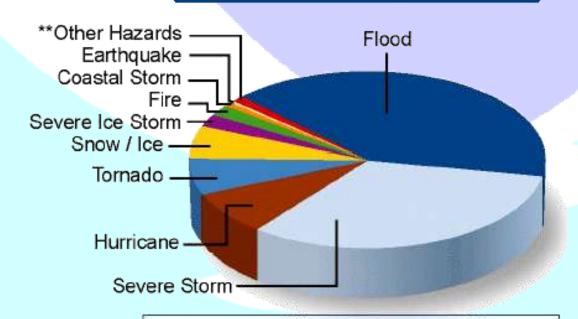
1: an *unforeseen* combination of circumstances or the resulting state that calls for immediate action

2 : an urgent *need for assistance* or relief

Source: merriam-webster.com

Disasters

Disasters by Type (1965-2003)

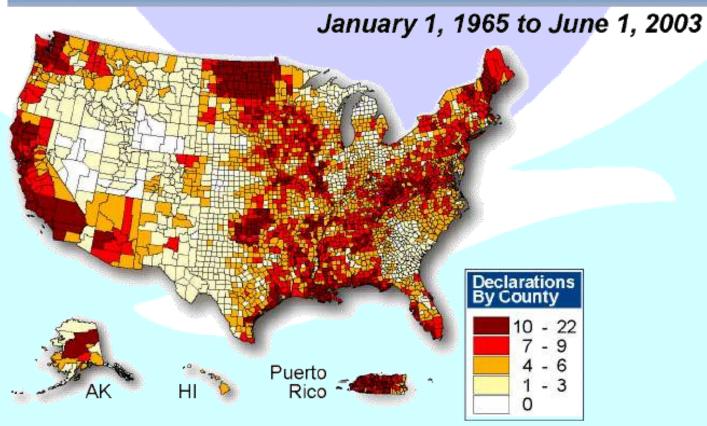


**Other Hazards include: Drought, Volcano, Other, Freezing, Mud/Landslide, Typhoon, Human Cause, Terrorist, Dam/Levee Break, Toxic Substances

> Source: FEMA's National Emergency Management Information System

Disasters

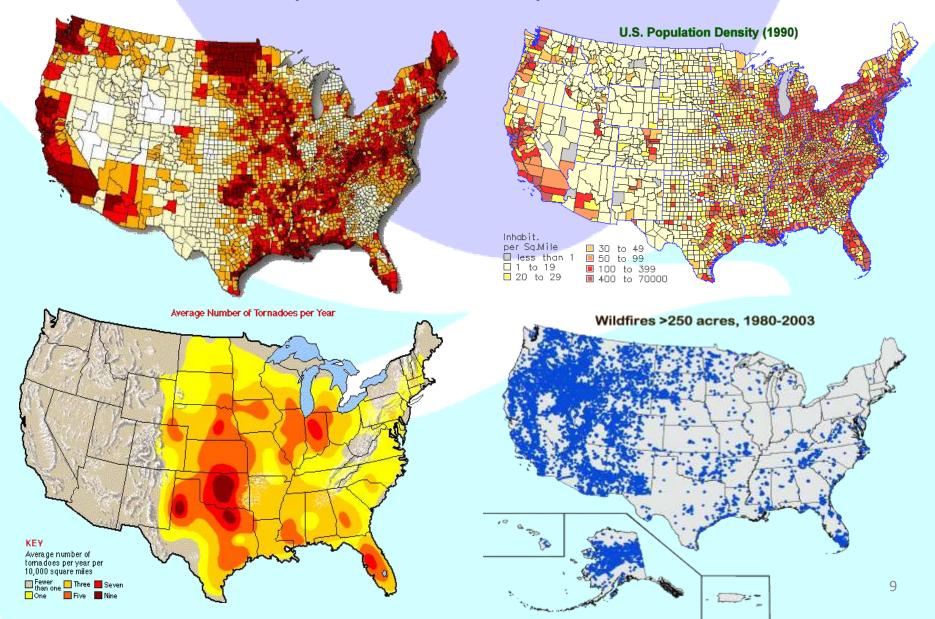
Presidential Disaster Declarations



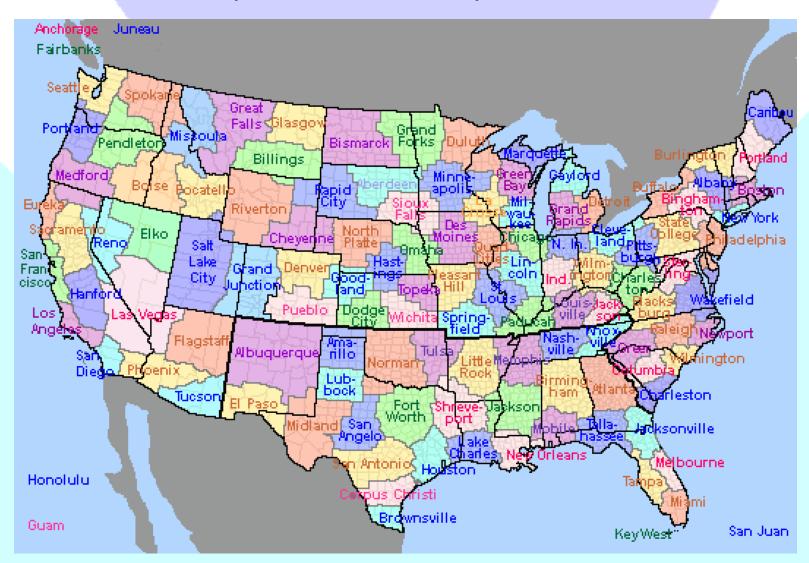
Mapped Total: 1,214*

* Prior to January 1, 1965, 185 declarations did not have county designations.
Therefore, of the total declared disasters (1,399), only 1,214 are included in the Mapped Total.

Disasters, Weather, and the NWS



Disasters, Weather, and the NWS



Brooks, Kentucky

January 16, 2007



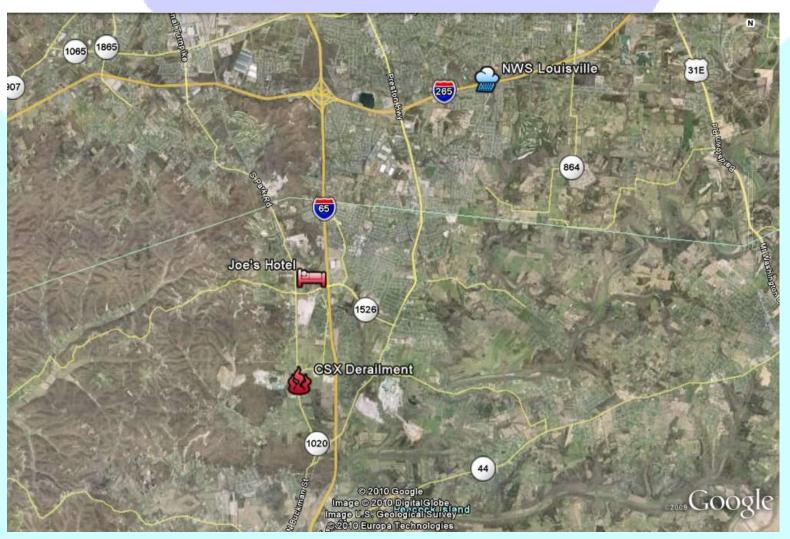
Brooks, Kentucky

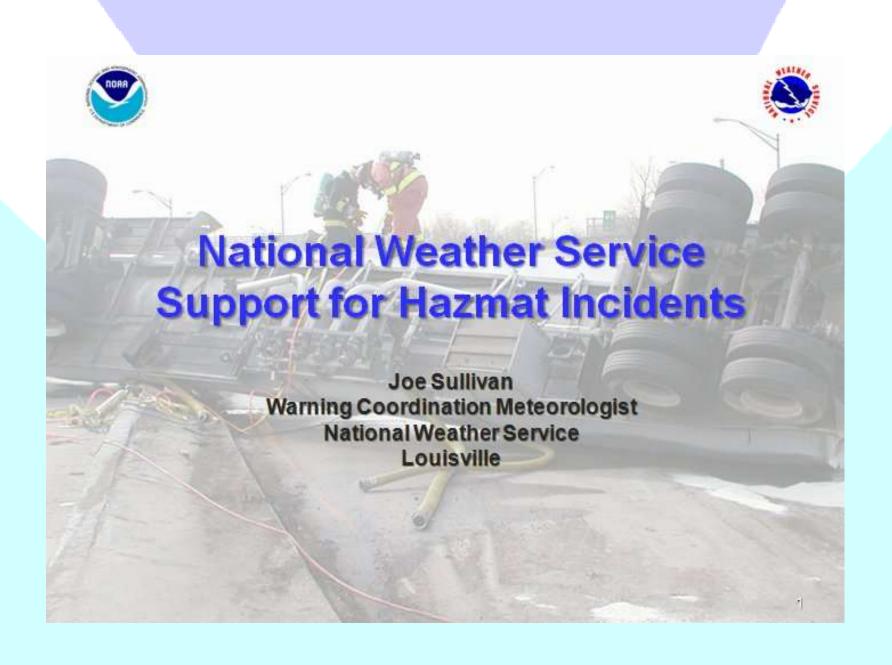
January 16, 2007



Brooks, Kentucky

January 16, 2007







Friday Night: Mustry clear, with a row around 67.

Saturday: Sunny, with a high near 93.

Saturday Night: Mostly clear, with a low around 65.

Sunday: Sunny, with a high near 90.

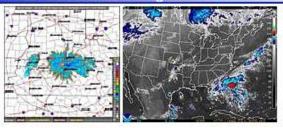
Sunday Night: Mostly clear, with a low around 69.

Monday: Mostly sunny, with a high near 90.

Monday Night: Partly cloudy, with a low around 71.

Tuesday: Mostly sunny, with a high near 88.

Radar and Satellite Images



Detailed Point Forecast

[Move Up]

Click Map for Forecast



Lat/Lon: 38.15 -85.73 Elevation: 440 ft



Additional Forecasts & Information

Zone Area Forecast for Jefferson County, KY

Forecast Discussion	Air Quality Forecasts
intable Ferenact	Text Only Forecast
Hourly Weather Graph	Tabular Forecast
Text Ferecast (°C)	About Point Forecasts
Local Climatology	Digital Forecast
Graphical Forecasts Home	Hazardous Weather Outlook
River Info / AHPS	Science / Technology

Preparedness Severe Weather Data WFO Louisville Home

National Weather Service: Louisville, KY

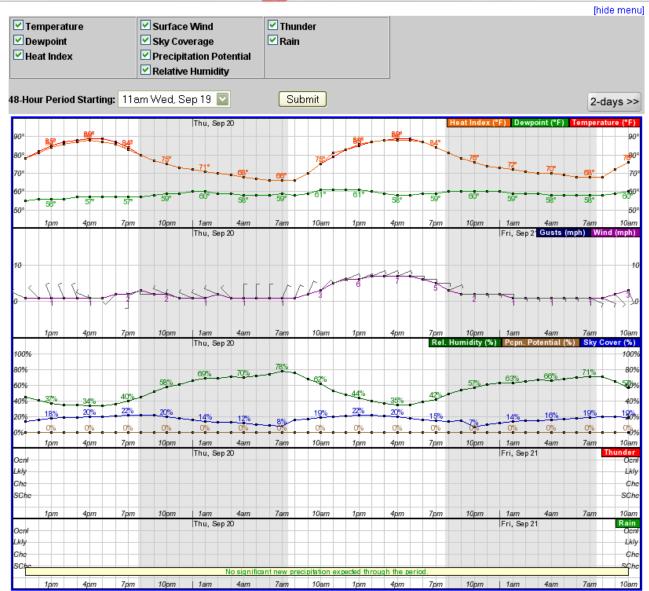
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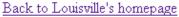






weather.gov/louisville



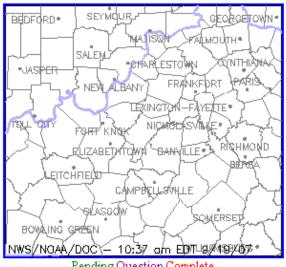


LOUISVILLE SPOT FORECASTS

Wednesday E Sep 19 2007 □

CALENDAR

Submit a new Spot Request



Pending Question Complete

Name	Ignition Time	Status
	No Entries	

Track forecasts sent from AWIPS



National Oceanic and Atmospheric Administration (NOAA)

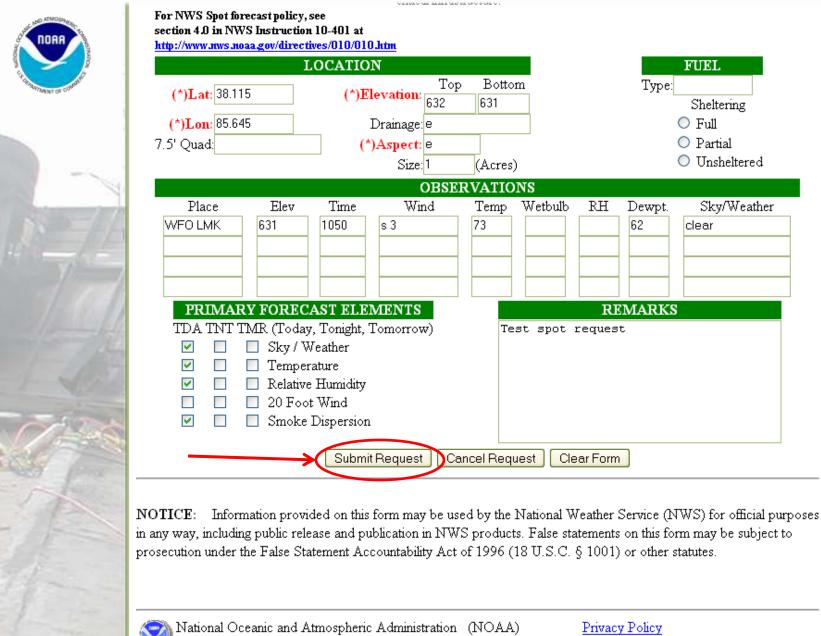
Privacy Policy

National Weather Service Fire & Public Weather Services Branch Page Author: NWS Internet Services Team Page last updated at 8:57 am EST 3/5/07



LOUISVILLE COOT EODECACT DEOLIECT

	ECT NAME				ESTING AG	ENCY
(*)Project Name:	Spot Test			(*)Requestin Agency	^{lg} NWS	
○ Wildfire	O WFU	• HAZMAT				
Prescribe	4			(*)Requestin	LMK WCM	
Fire	° O SA	.R			(502) 969-88	42 Ext.
		 Eastern Local Time 	(*)Phone Numbe	r: 726	
Ignition T	ime: 1050	Central Local		FAX Numbe	er: (502) 968-56	63
_	. 0.11.0.10.7	Time		Contact Perso		
L	Date: 9/19/07					
		ON FOR SPOT				
	Must choose e	either Wildfire		e Non-Wildfi	re reasons	
Wildfire		Non-Wildfin	re			
				Agreement for N	Meteorological S	Services (USFS, E
		NPS, USFWS,	BIA).			
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in any way, including public release and publication in NWS products. False statements on this form may be subject to prosecution under the False Statement Accountability Act of 1996 (18 U.S.C. § 1001) or other statutes.

National Weather Service

Fire & Public Weather Services Branch

Page Author: NWS Internet Services Team

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Other NWS services





- Input into EAS
 - Shelter in place
 - Evacuation









Phone support 24/7

-968-6329

 On-site support for large incidents





Joint ESU Mission Statement

The mission of the Joint Emergency Services Unit is to provide a coordinated multi-disciplined response to public emergencies when law enforcement assistance is needed.



· 2002

- Post-9/11 concern in Louisville: how to respond to "non-compliant human biological vectors?"
- National search revealed no suitable model.
- Medical, health, legal, law enforcement, fire, hazmat, EMS, aviation and educational representatives met and devised a plan.
- Local, State and Federal Agencies joined together to create the Emergency Health Powers Task Force (EHPTF).

NOAA

- · 2003
 - EHPTF trained to detect, identify and isolate a "human biologic vector."
 - Name changed to Medical Assistance and Tactical Team (MATT).
 - Team used in preventative roles at several Louisville venues
 - Kentucky Oaks
 - Kentucky Derby
 - Thunder over Louisville

NOAA

- · 2004
 - Mission reviewed; based on lessons learned,
 MATT name changed to Joint Emergency
 Services Unit
 - JESU
 - · J-ESU
 - Joint ESU
- · 2007
 - NWS joins Joint ESU (WCM)



Joint ESU Personnel

- Louisville Metro PD
- Metro EMS
- Louisville Fire/Rescue
- Suburban Fire
- Jefferson County Sheriff
- Metro Corrections
- Louisville -Jefferson County EMA
- Metro Health Department
- Louisville Airport DPS
- New Albany, IN PD
- Floyd County, IN PD

- KY EMA
- University of Louisville
- KY Dept of Public Health
- 41st Civil Support Team
- FBI
- US Marshals Service
- Federal Protective Service
- US Customs and Border Protection
- Transportation Security
 Administration
- NWS
- 44 people, 21 agencies

Joint ESU Personnel Skills

- Physician
- Paramedic
- · EMT-B
- Firefighter
- Hazmat (Tech and Specialist)
- Law Enforcement
- Public Health
 Specialist

- Epidemiologist
- EmergencyManagement
- · EOD
- Educator
- Lawyer
- Meteorologist
- InformationTechnology

Joint ESU Curriculum

- Hazardous Materials Awareness
- Hazardous Materials Operations
 - ICS / NIMS
 - WMD Awareness
 - WMD Operations
 - Hazardous Materials Technician
 - Other Specialized Training (LSU tactical

Qps, etc.)

Monthly J-ESU Training



On-going Training Goals

- All operational members trained to the HAZMAT Technician Level
- Rapid Intervention Team operations
- Decontamination
- Tactical operations
- WMD/clandestine laboratories
- Radiation detection and operations
- Confined space and trench rescue awareness
- Command courses for team leaders
- CAMEO, Aloha, Marplot

Questions?

ERMIC ANT



"The forcast for today: scattered arrows."

Joe.Sullivan@noaa.gov