



CIL - CARP

CENTRAL ILLINOIS – COALITION ACTIVE IN RESPONSE PLANNING

10/11/2017 – HOSTED BY: UNITY POINT HEALTH PROCTOR

Today's agenda



- I. Welcome and Introductions - Troy Erbentraut (OSF-Saint Francis)
- II. CIL-CARP Purpose - Troy Erbentraut (OSF-Saint Francis)
- III. CIL-CARP Mission and Vision - Troy Erbentraut (OSF-Saint Francis)
- IV. Region ideas – Stop the Bleed - Troy Erbentraut (OSF-Saint Francis)
- V. CIL – CARP Gap Assessment
- VI. National Weather Service – Chris Miller
- VII. Break (Opportunity to complete gap assessment)
 - I. “Show and Tell” presentations on equipment available
 - I. Air Evac
 - II. EMAT – ICP Trailer
 - III. IEMA – NOMAD
 - IV. Peoria City County Health Department – Mobile POD trailer
 - V. Region 2 Medical Emergency Response Team assets
 - VI. Tazewell County EMA – UCP #10
 - I. Lunch Break (Opportunity to complete gap assessment)
 - I. Fatality Management – Brian Gustafson / Rock Island Coroner
 - I. Group Suggestions / Questions – completion of gap assessment
 - I. Walk through of equipment

A weather forecast graphic for Lincoln, IL. The background is a photograph of a green field with trees and a cornfield in the distance. The graphic is overlaid on the left side. At the top left are the NOAA and National Weather Service logos. The main title is "Mostly Cloudy and Cooler" in white text on a dark background. Below the title is the text "Daily highs back near 80 for Friday & Saturday". The forecast is divided into two sections: "Today" and "Thursday".

Day	Condition	High/Low
Today	Cloudy	59° - 62°
Thursday	Mostly cloudy	63° - 69°

Additional weather details: "Still cloudy" for today and "Partly cloudy" for Thursday. The background image shows a clear sky with some clouds and a moon in the lower right corner.

At the bottom of the graphic, there are social media links: Weather.gov/Lincoln, NWSLincoln, and @NWSLincolnIL. The National Weather Service logo and "National Weather Service – Lincoln, IL" are also present. The text "WRN WEATHER-READY NATION" is in the bottom right corner. The publication date is "Published on: 10/11/2017 at 5:23AM".



Housekeeping

- Please place electronic devices on silent
- Restroom
- Safety Brief
- Breaks
- Lunch
- Keep a open mind
- Please offer feedback



Introductions

Lets take a minute and get to know who is in the room...

- Name
- Organization you represent today





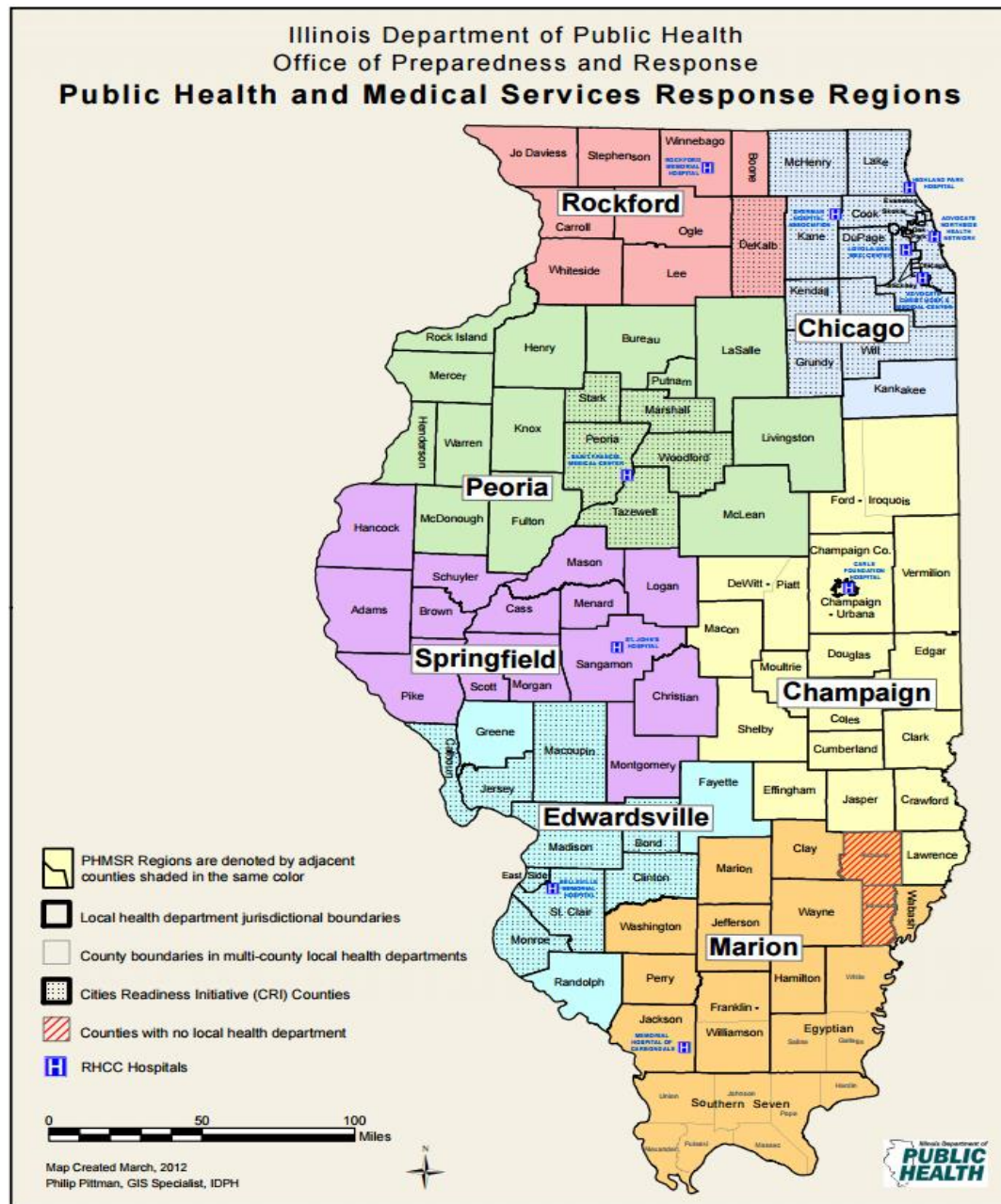
PURPOSE

Why we are here today...

- develop a regional coalition
 - Many of our goals are similar and compatible
 - Working together will enhance our abilities
 - Benefits of coalescing / greater than the cost
 - Enlarge the base of support for emergency preparedness
 - Magnify existing financial and human resources by pooling them
 - Enhance creditable and influence
 - Exchange of information / skills / experience / materials
 - Diverse range of people and organizations
 - Peer support



Region 2 / Peoria Health and Medical Response Region





MISSION

The mission of CIL-CARP is to improve an all-hazard response in the central Illinois region through effective communication, planning, and coordinated exercises. CIL-CARP encourages the collaboration between regional healthcare organizations, emergency responders, regional emergency management directors, public health and other emergency response planners while supporting the development of cooperative partnerships in order to promote the essential services they provide to the public.



VISION

To create a comprehensive and resilient response to catastrophic health events via collaborative partnerships and formal harmonization of activities among emergency management, emergency medical services, healthcare organizations, public health departments, and response agencies and entities supporting Emergency Support Function #8 (Public Health and Medical Services), as well as support an all-hazards response.



Stop the Bleed

- Survey
- Funding
- Supplies
- Purchasing Power
- Ideas / Suggestions





CIL – CARP Gap Assessment

Agency Affiliation

List the top 3 PLANNING GAPS for CIL-CARP

1. _____
2. _____
3. _____



National Weather Service (NWS)



Chris Miller – Meteorologist



Weather Disasters & Historical Frequency



Chris Miller

**Warning Coordination Meteorologist
NWS Lincoln, IL**



**CIL-CARP Meeting
October 11, 2017 Peoria, IL**



What we are dealing with...

**More tornadoes,
severe storms & flash
floods occur in the
U.S. than ANY other
country in the world!**

A Typical Year Brings:



6 Hurricanes



1,402 Tornadoes



5,000+ Floods



10,000+ Violent
Thunderstorms



Drought
Conditions



561 Deaths
5,000+ Injuries
\$17 B in Losses



Illinois Hazardous Weather

A Typical Year:

- **50 Tornadoes**
- **490 Severe Wind Reports**
- **353 Large Hail Reports**
- **112 Reports of Flash Flooding**
- **5 Major Winter Storms**





Top Weather Dangers in Illinois

FATALITIES: 1995 – 2017

<u>Type of Weather</u>	<u>Deaths</u>
1. Extreme Heat	1,047
2. Extreme Cold	194
3. Floods	49
4. Tornadoes	43
5. High Winds	26
6. Lightning	20

**1,379 people
have died in
Illinois due
to hazardous
weather**

**** More than 885 people have died & more than 78,000 injuries
have been reported in winter vehicle crashes since 2000***

EXTREME TEMPERATURES



Extreme Heat

DEATHS IN ILLINOIS

- **1047 people have died from extreme heat** (since 1995)
 - More than half in July 1995
 - 1% in the CIL-CARP Region
 - 93% in the Chicago Metro area
 - 45 outdoors
 - 1,002 in a permanent shelter
- **Largest risk groups**
 - Males (57% of all deaths)
 - 70 to 90 years old
 - Indoors
 - No A/C





Heat Related Terms

Heat index – A value in °F that tells how hot it feels when humidity is taken into account

Exposure to full sun can increase the heat index by 15 °F !!

Heat Index
Temperature (°F)

	80	82	84	86	88	90	92	94	96	98	100	102	104	106	118	110
40	80	81	83	85	88	91	94	97	101	105	109	114	119	124	130	136
45	80	82	84	87	89	93	96	100	104	109	114	119	124	130	137	
50	81	83	85	88	91	95	99	103	108	113	118	124	131	137		
55	81	84	86	89	93	97	101	106	112	117	124	130	137			
60	82	84	88	91	95	100	105	110	116	123	129	137				
65	82	85	89	93	98	103	108	114	121	126	130					
70	83	86	90	95	100	105	112	119	126	134						
75	84	88	92	97	103	109	116	124	132							
80	84	89	94	100	106	113	121	129								
85	85	90	96	102	110	117	126	135								
90	86	91	98	105	113	122	131									
95	86	93	100	108	117	127										
100	87	95	103	112	121	132										

Likelihood of Heat Dis orders with Prolonged Exposure or Streuous Activity

Caution
 Extreme Caution
 Danger
 Extreme Danger

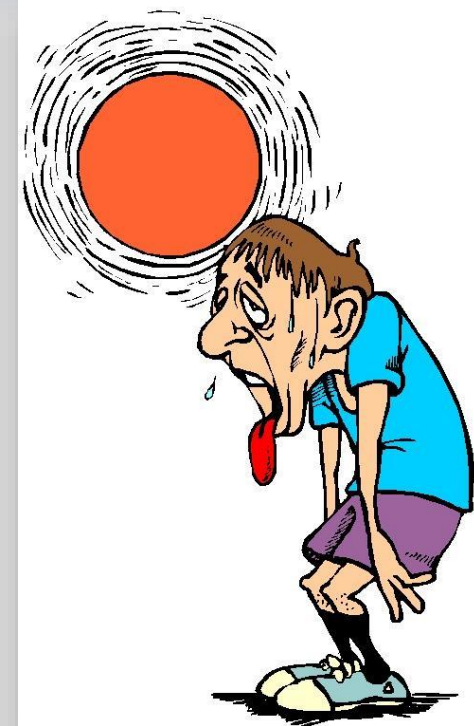
Heat & Autos



Temperatures inside the auto can rise more than 40 °F in one hour !!

Extreme Heat

- Average number of days
90 °F or higher in a year: **24**
- Average number of days
100 °F or higher in a year: **1**
- Recent hottest temperatures:
 - **Peoria: 104 °F 7/23/12**
 - **Bloom/Norm: 107 °F 7/08/12**
 - **Moline: 104 °F 7/07/12**
 - **LaSalle/Peru: 101 °F 7/26/12**



Extreme Cold

DEATHS IN ILLINOIS

- **194 people have died from exposure to cold** (since 1995)
 - **16% in the CIL-CARP Region**
 - **120 outdoors**
 - **74 in a permanent shelter**
- **Largest risk groups**
 - Males (69% of all deaths)
 - 50 to 70 years old
 - Outdoors
 - Stranded vehicle
 - Elderly with no heat or who have fallen outdoors





Wind Chill Chart



Wind (mph)	Temperature (°F)																			
	Calm	40	35	30	25	20	15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	-45	
5	36	31	25	19	13	7	1	-5	-11	-16	-22	-28	-34	-40	-46	-52	-57	-63		
10	34	27	21	15	9	3	-4	-10	-16	-22	-28	-35	-41	-47	-53	-59	-66	-72		
15	32	25	19	13	6	0	-7	-13	-19	-26	-32	-39	-45	-51	-58	-64	-71	-77		
20	30	24	17	11	4	-2	-9	-15	-22	-29	-35	-42	-48	-55	-61	-68	-74	-81		
25	29	23	16	9	3	-4	-11	-17	-24	-31	-37	-44	-51	-58	-64	-71	-78	-84		
30	28	22	15	8	1	-5	-12	-19	-26	-33	-39	-46	-53	-60	-67	-73	-80	-87		
35	28	21	14	7	0	-7	-14	-21	-27	-34	-41	-48	-55	-62	-69	-76	-82	-89		
40	27	20	13	6	-1	-8	-15	-22	-29	-36	-43	-50	-57	-64	-71	-78	-84	-91		
45	26	19	12	5	-2	-9	-16	-23	-30	-37	-44	-51	-58	-65	-72	-79	-86	-93		
50	26	19	12	4	-3	-10	-17	-24	-31	-38	-45	-52	-60	-67	-74	-81	-88	-95		
55	25	18	11	4	-3	-11	-18	-25	-32	-39	-46	-54	-61	-68	-75	-82	-89	-97		
60	25	17	10	3	-4	-11	-19	-26	-33	-40	-48	-55	-62	-69	-76	-84	-91	-98		

Frostbite Times



30 minutes



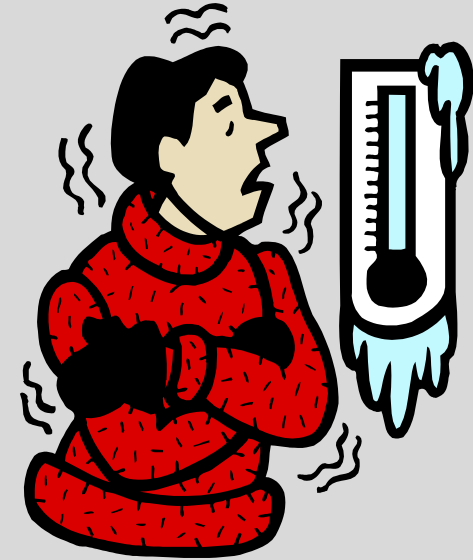
10 minutes



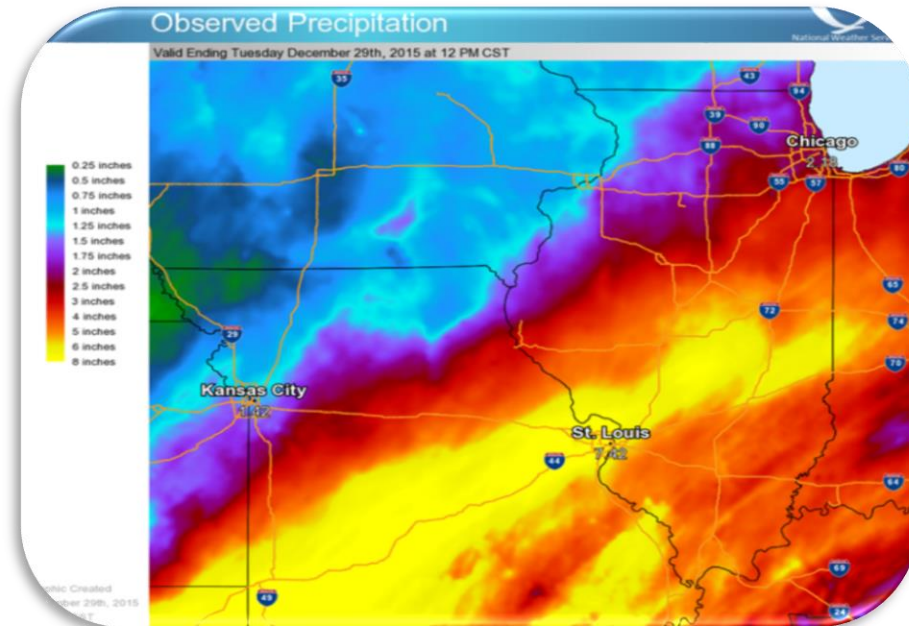
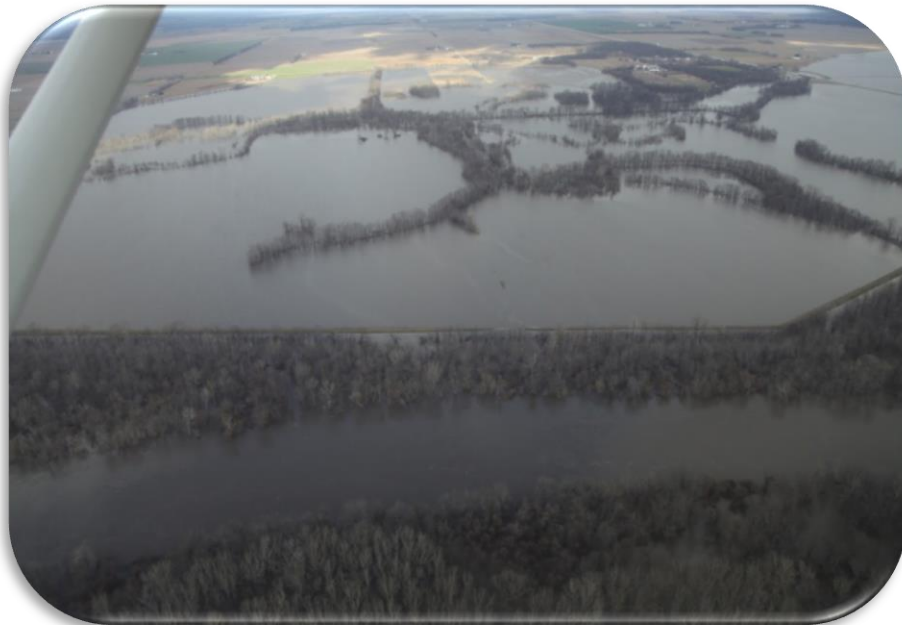
5 minutes

Extreme Cold

- Average number of days below zero in a year: **7**
- Recent coldest temperatures:
 - **Peoria: -21 °F 1/16/09**
 - **Bloom/Norm: -18 °F 1/17/09**
 - **Moline: -22 °F 2/11/14**
 - **LaSalle/Peru: -23 °F 1/16/09**
- Coldest temperature in Illinois:
 - **-36 °F in Congerville - January 5, 1999**



FLOODING

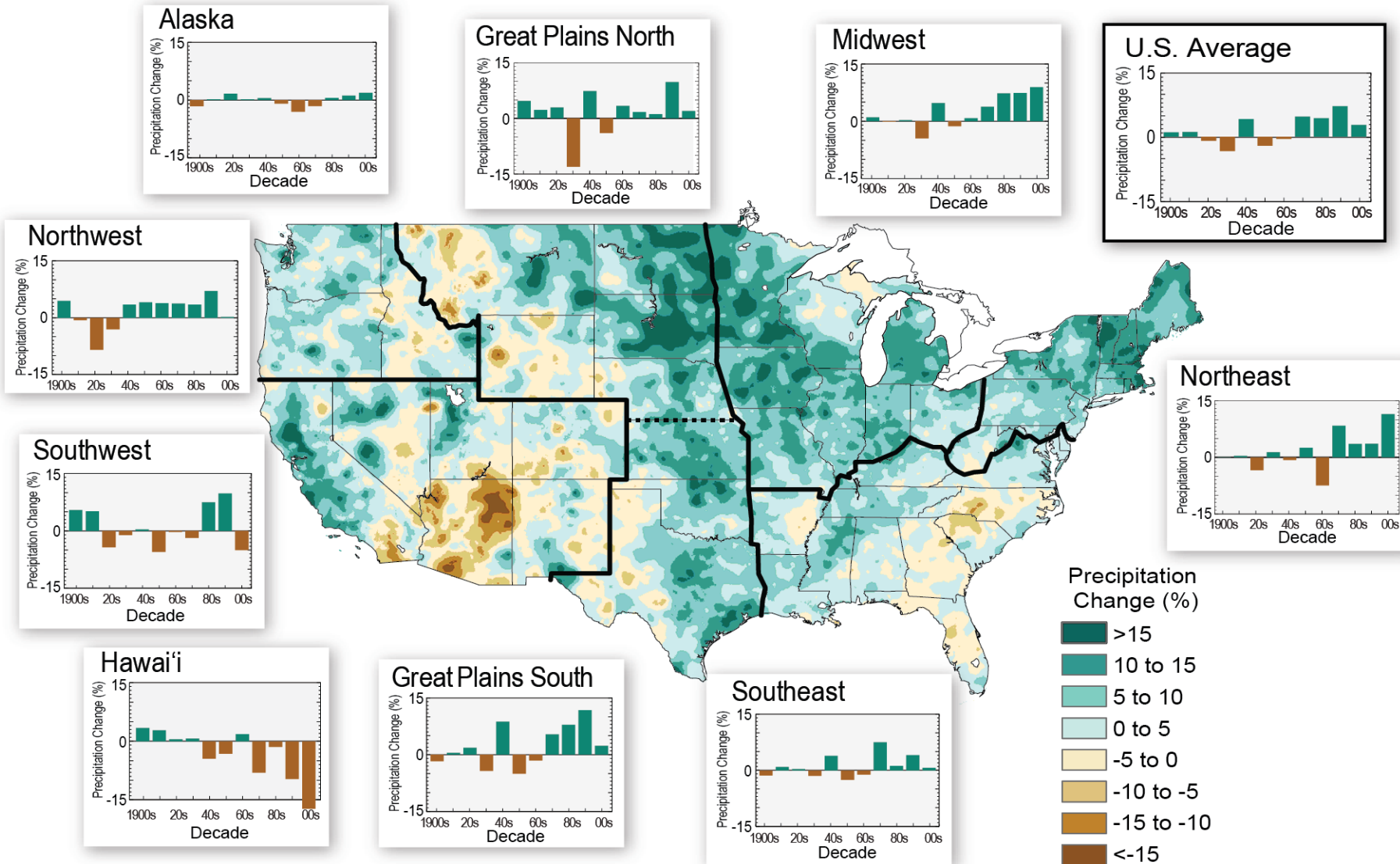




U.S. Precipitation Changes

Since 1901

Observed U.S. Precipitation Change

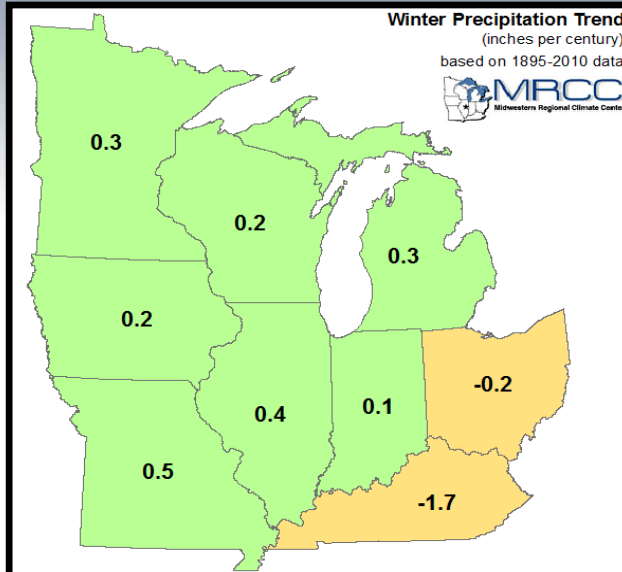




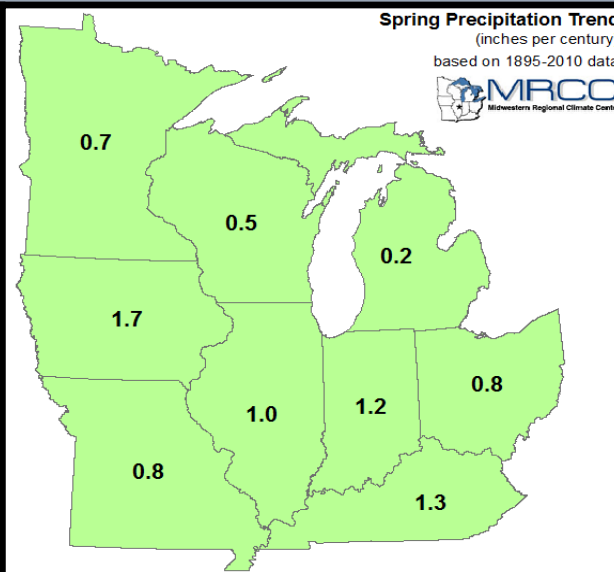
Precipitation Trends

U.S. Midwest (1895 – 2010)

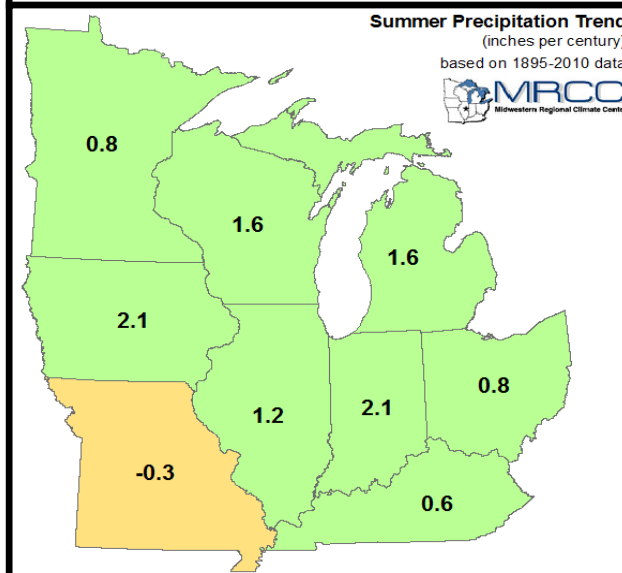
WINTER



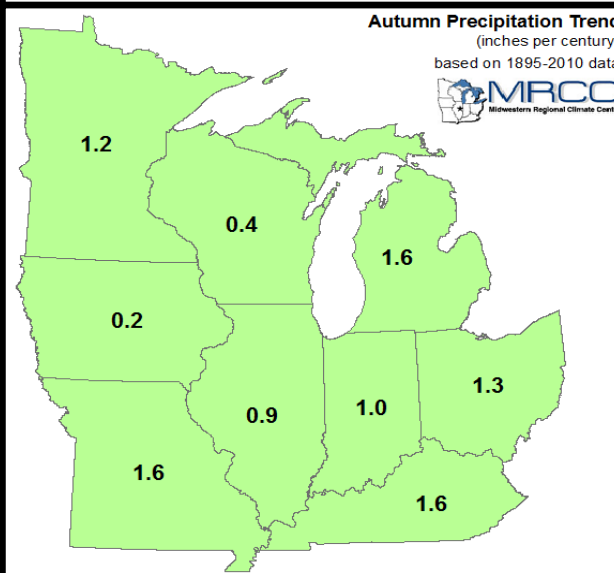
SPRING



SUMMER



AUTUMN





Flash Flooding in Central & SE Illinois

**Average Annual
Flash Flood
Days:**

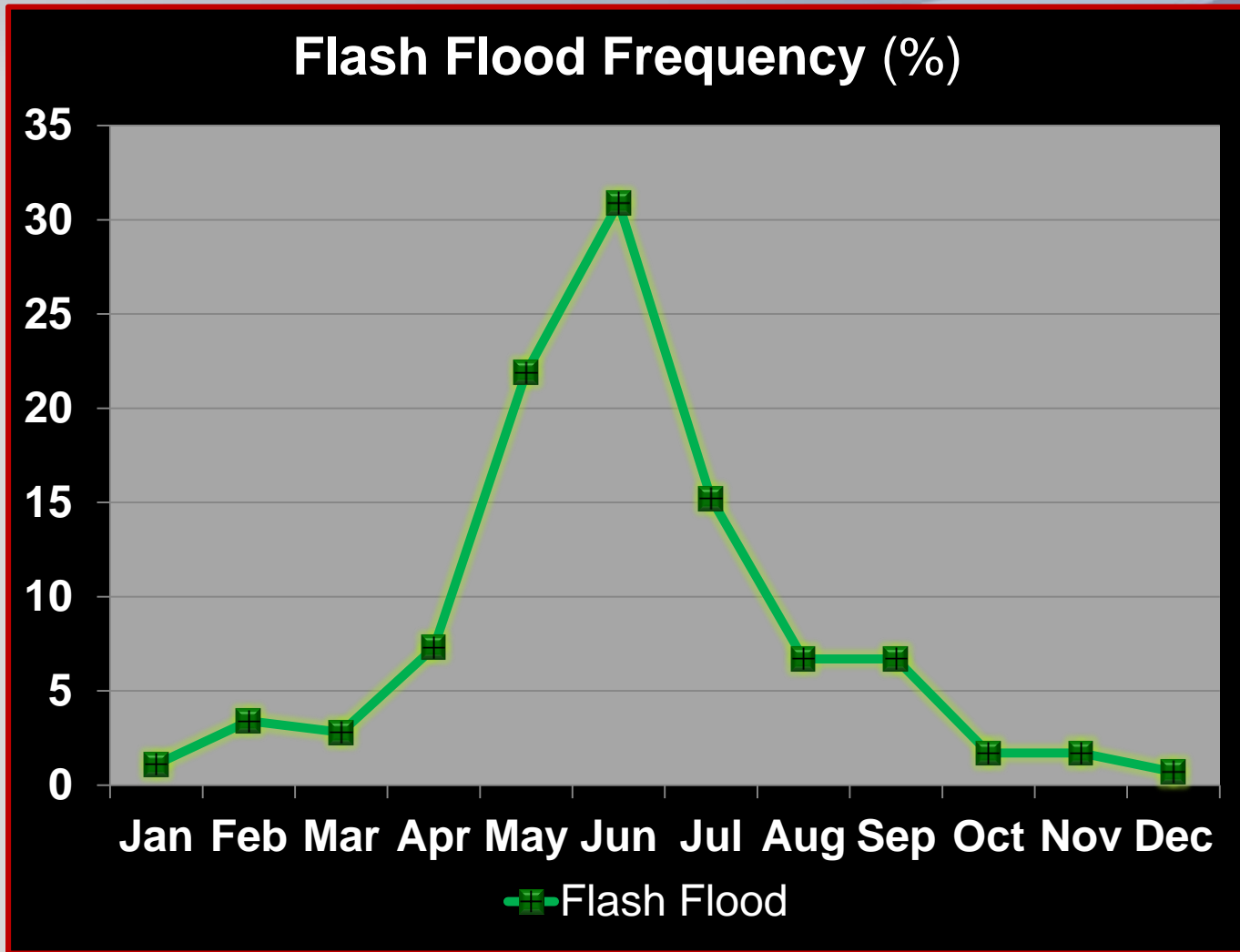
18

**Peak Flash
Flood Season:**

**Mid May –
July**

**Peak Flash
Flood Time:**

**10 pm to
3 am**



Flooding

DEATHS IN ILLINOIS

- **49 people have died in floods** (since 1995)
 - **14% in the CIL-CARP Region**
 - **76% in Vehicles**
- **Largest risk groups**
 - Males (67% of all deaths)
 - 30 to 50 years old
 - All but 1 death in this age group occurred in a vehicle



Flooding: Impacts

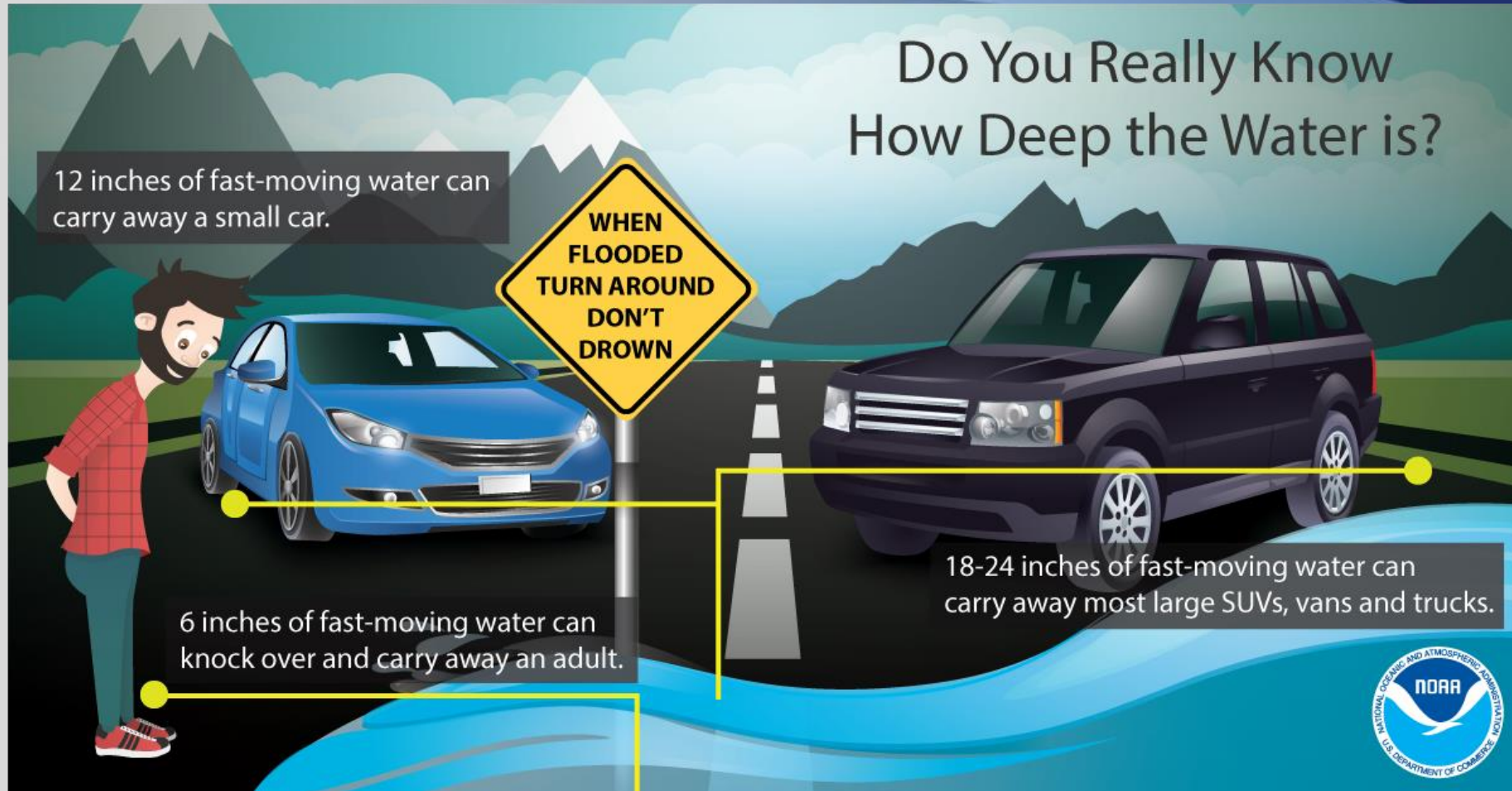
Do You Really Know How Deep the Water is?

12 inches of fast-moving water can carry away a small car.

6 inches of fast-moving water can knock over and carry away an adult.

18-24 inches of fast-moving water can carry away most large SUVs, vans and trucks.

WHEN FLOODED TURN AROUND DON'T DROWN



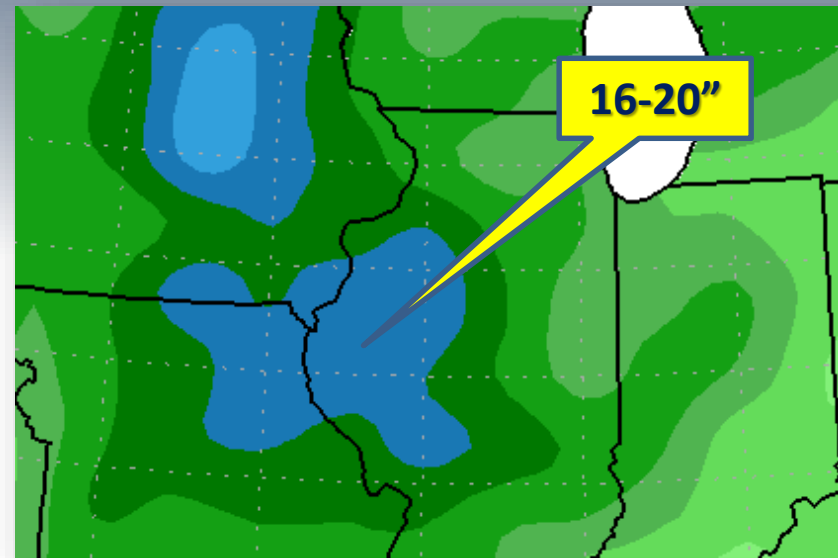
- ✓ **Most deaths from flooding occur in vehicles**
- ✓ **Most FLASH FLOODS occur at NIGHT in Illinois, making it difficult to see the depth of water on a roadway**



What about River Flooding?

April – May 2013 Midwest Flooding

- Record rainfall and flooding, mainly impacting Illinois
 - 16 to 20” of rain in about 6 weeks across western IL and eastern IA
- **4 Fatalities**
- **About \$1 Billion in damages – mainly along the Illinois & Mississippi Rivers**





River Flooding

Mississippi River / Illinois River

- **Mississippi River**
 - #1 river in the U.S. for the amount of goods transported by barges
 - **Record floods (top 10) in 1993, 1997, 2001, 2008, 2011, 2014**
- **Illinois River**
 - #3 river in the U.S. for barge traffic
 - **Record floods (top 10) in 1997, 2008, 2009, 2013, 2015, 2016**



SEVERE STORMS





Thunderstorm/Tornado Threat Area

There are more severe storms & tornadoes in the U.S. than ANY country in the world!

Top 5 States for tornadoes
(# of tornadoes per square mile)

1. Kansas
2. Florida
3. Oklahoma
4. Iowa
5. Illinois

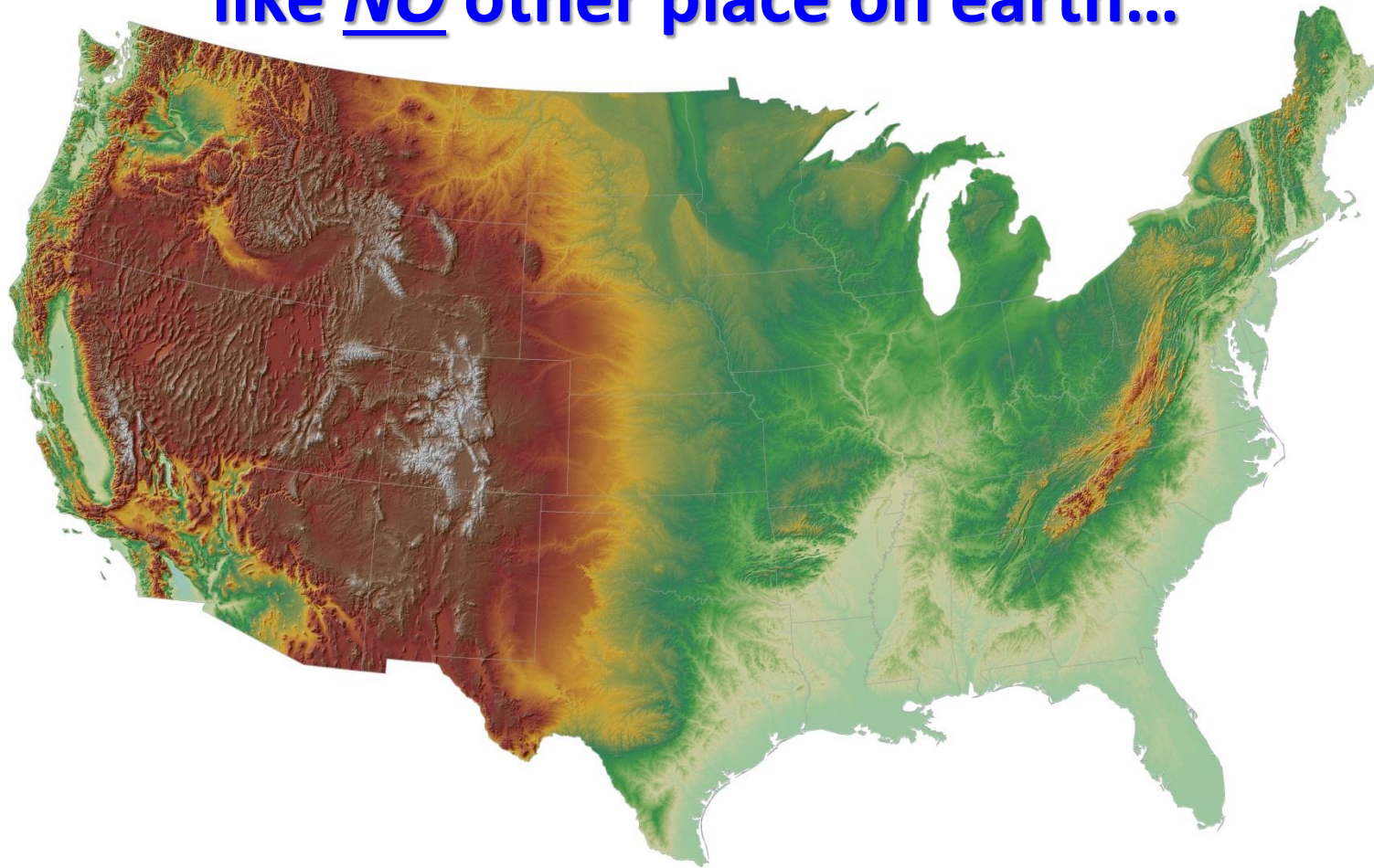
SPC Data (1991-2015)



Map: Average Annual Days with a Thunderstorm



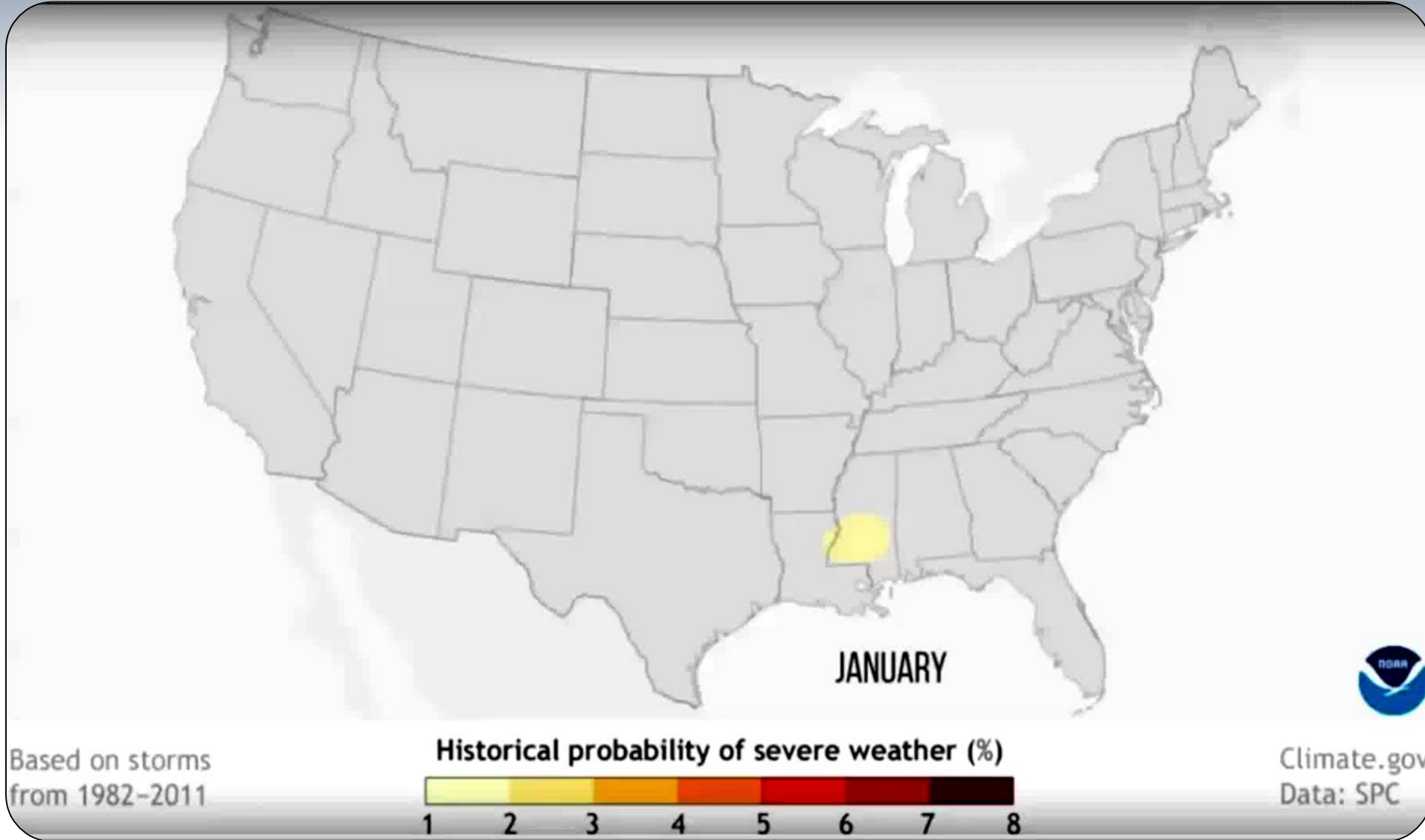
...Because the U.S. geography and climate provides the “ingredients” for Severe Storms & Tornadoes like NO other place on earth...





U.S. Severe Weather – Monthly Peaks

Daily chances of a Tornado, T-storm Wind Gust/Damage or Hail – within 25 miles of a point





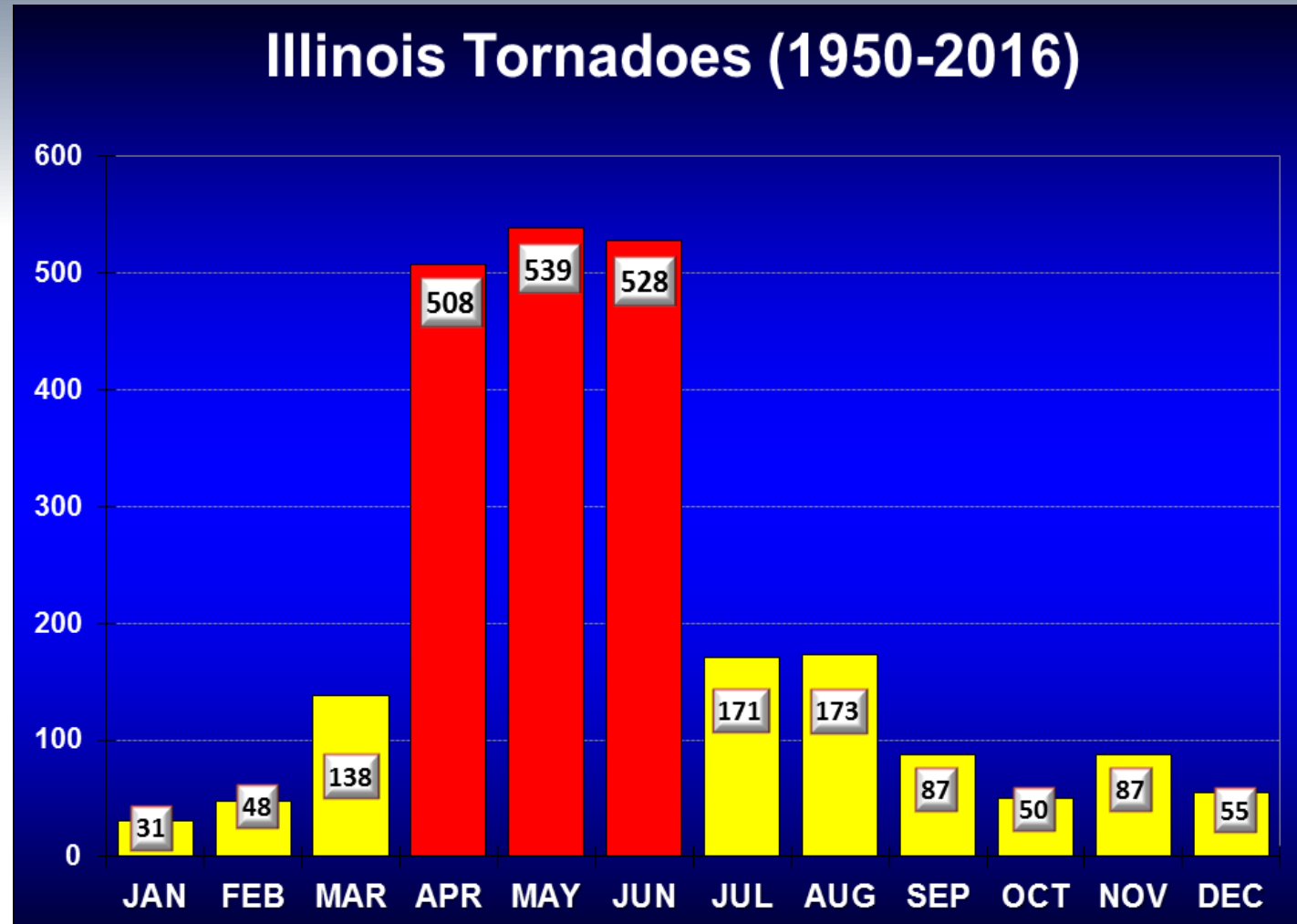
Tornadoes in Illinois

**“Peak”
Tornado
Season:**

***Late May into
Early June***

**“Peak”
Tornado
Time:**

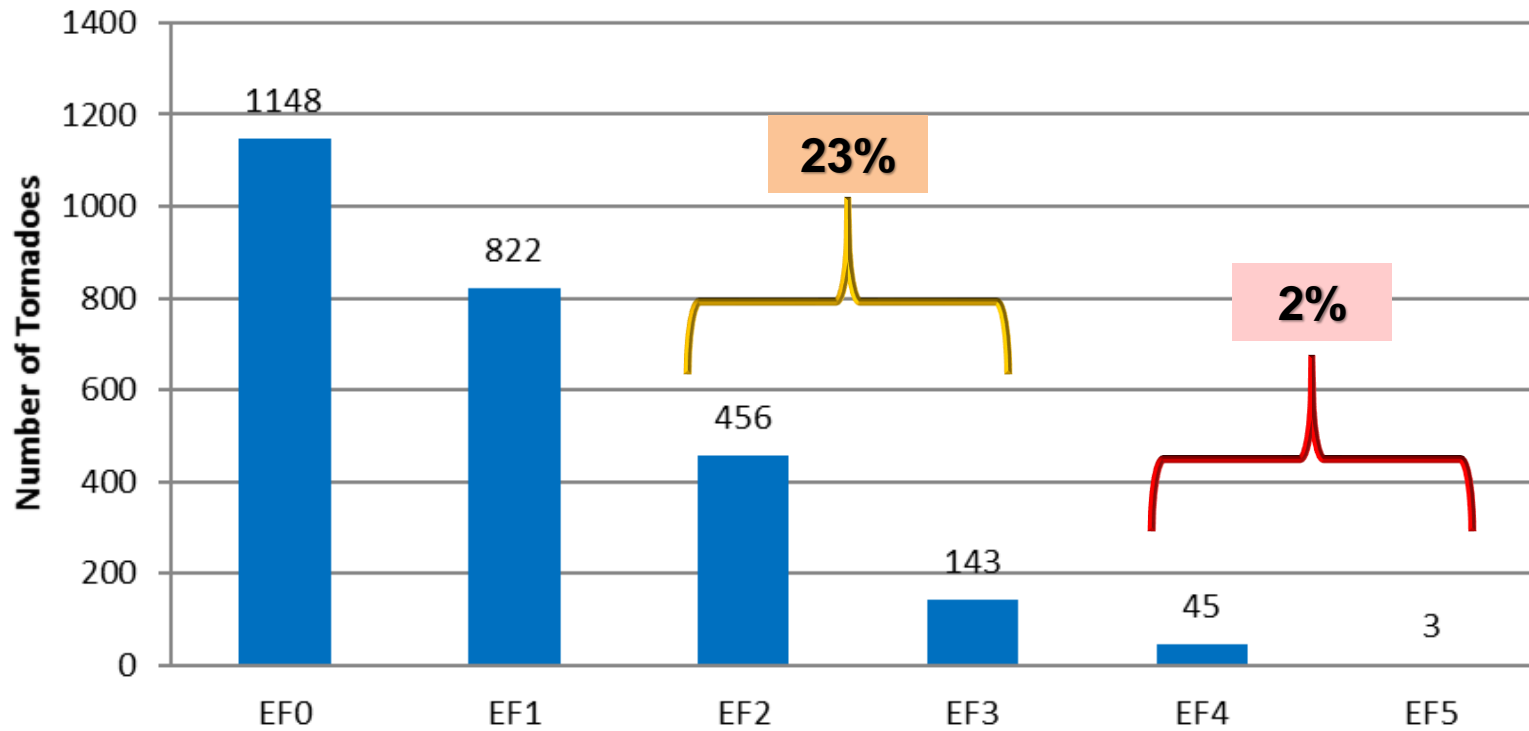
***3 pm to
9 pm*** →



However, almost 30% of all tornadoes occur when it is dark

Tornadoes

Number of Tornadoes by EF-scale

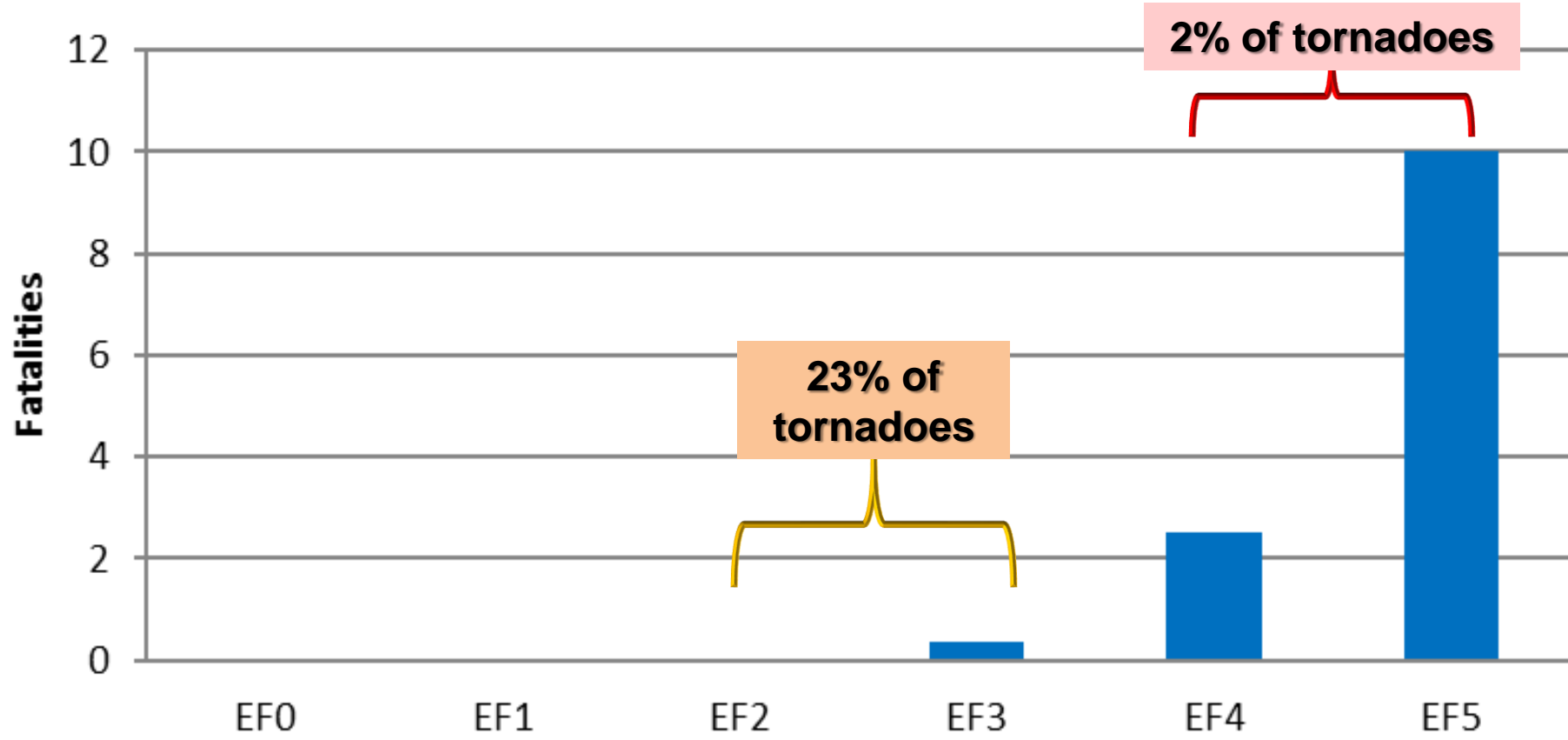


State Climatologist Office for Illinois, 2017



Tornadoes

Fatalities Per Event by EF-scale



State Climatologist Office for Illinois, 2017

Tornadoes

DEATHS IN ILLINOIS

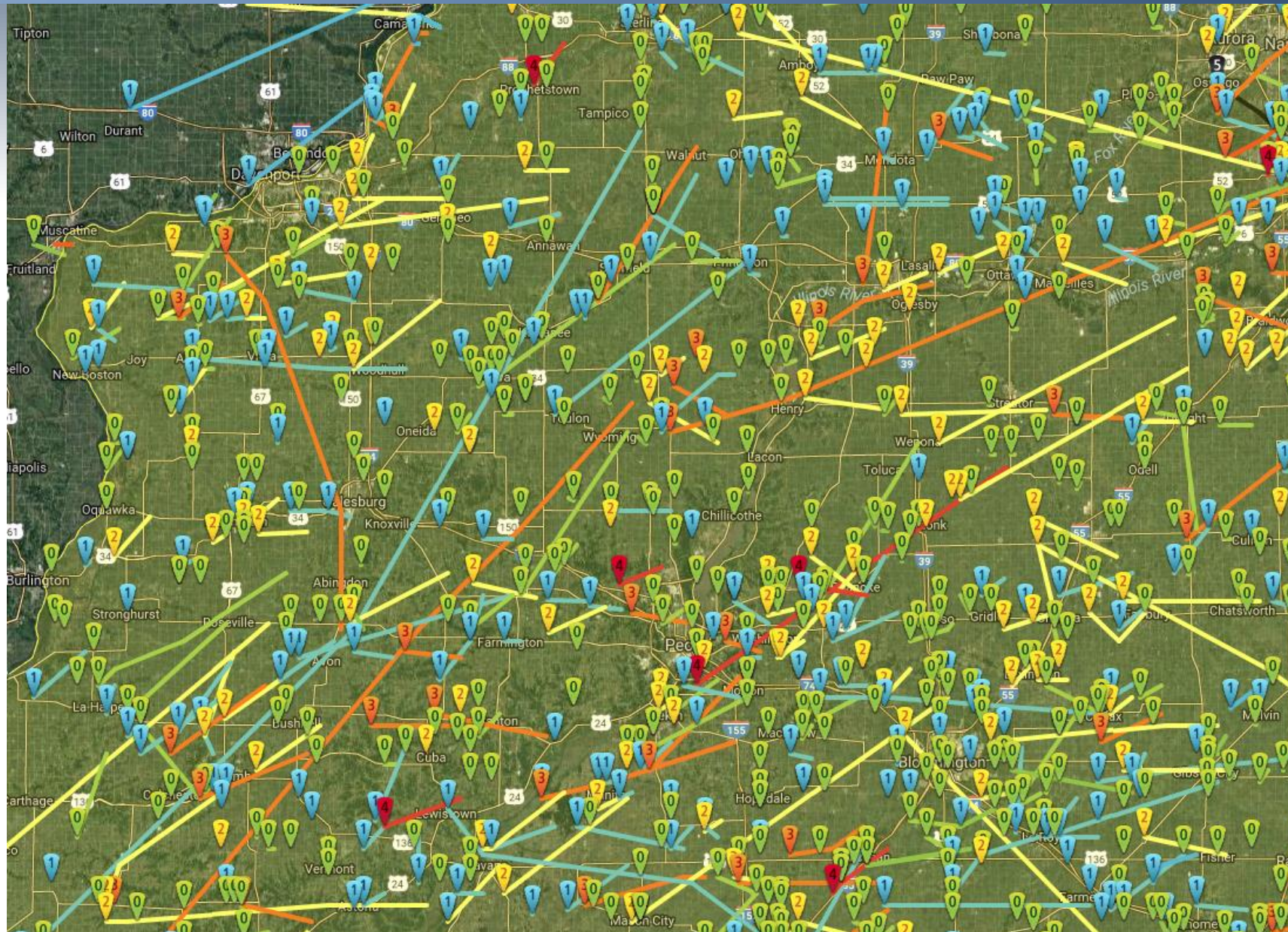
- **43 people have died in tornadoes** (since 1995)
 - **33% in the CIL-CARP Region**
 - **23% in Mobile Homes**
 - **≈ 7% of dwellings are mobile homes**
- **Largest risk groups**
 - **Females (53% of all deaths)**
 - **50 to 70 years old**





CIL-CARP : Tornadoes

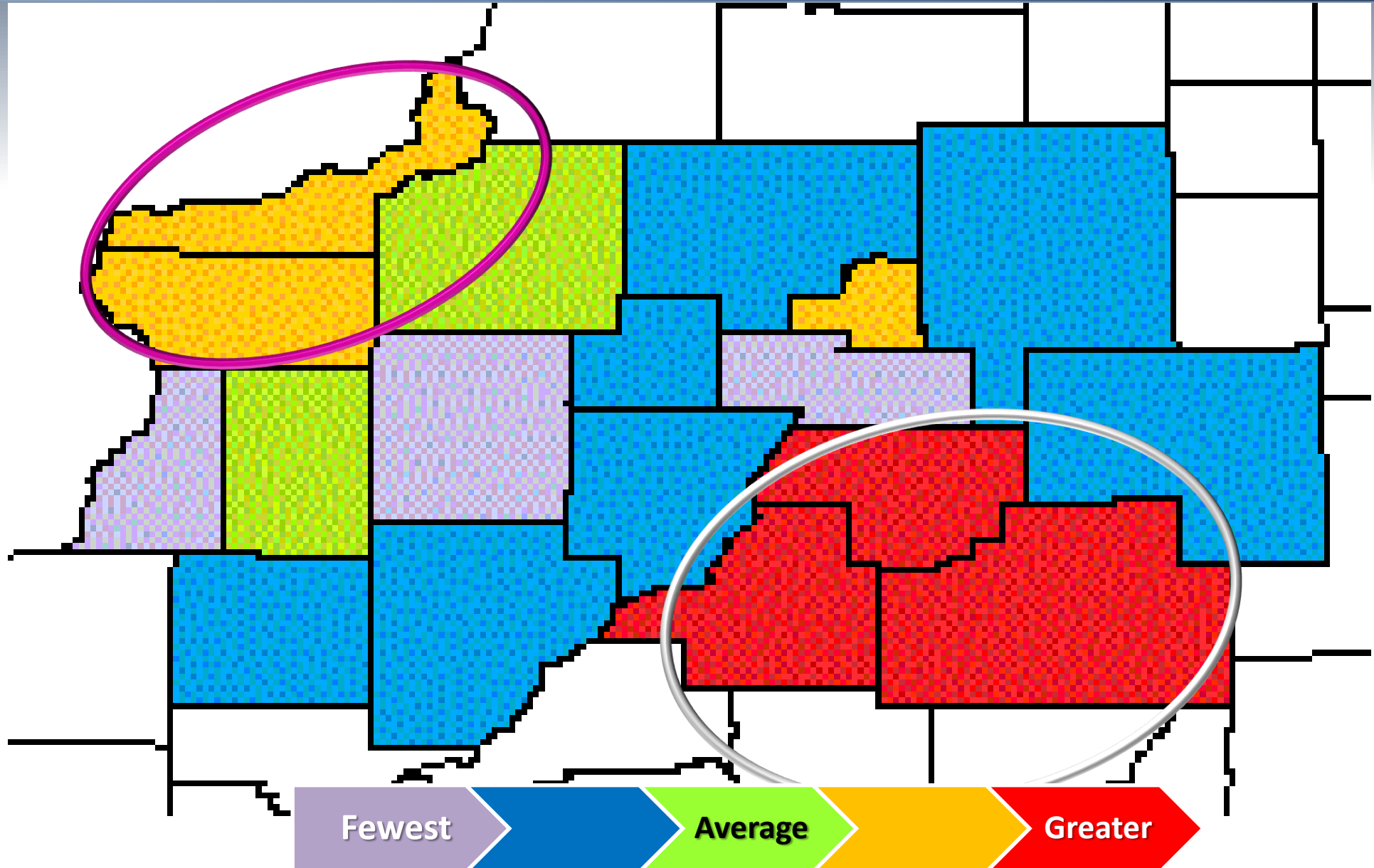
1950-2016





CIL-CARP : Tornadoes per sq. mile

1950-2016



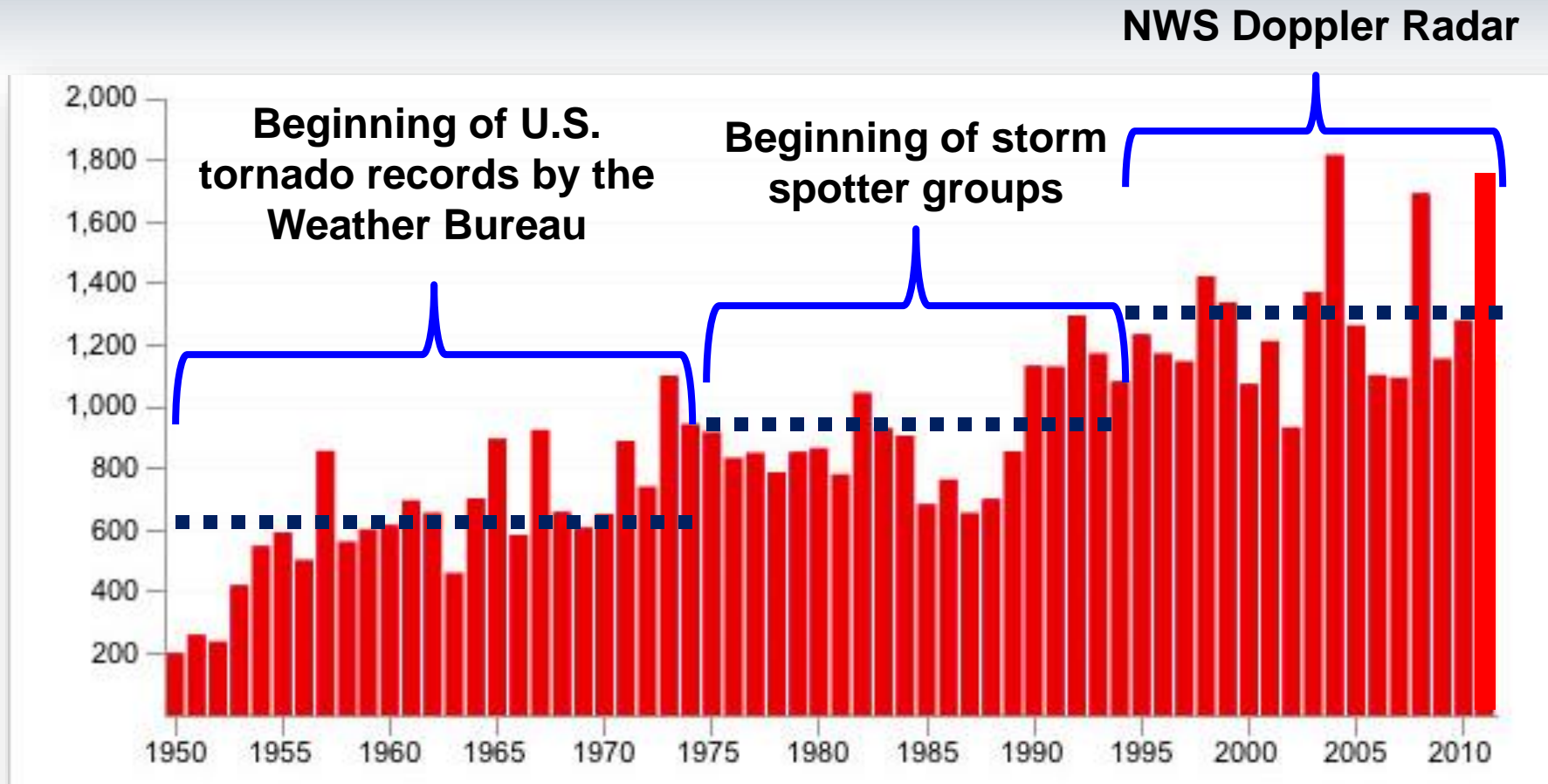


ARE SEVERE STORMS GETTING WORSE?



Are Severe Storms/Tornadoes Getting Worse?

All Reported Tornadoes in the U.S. 1950-2011





Are Severe Storms/Tornadoes Getting Worse?

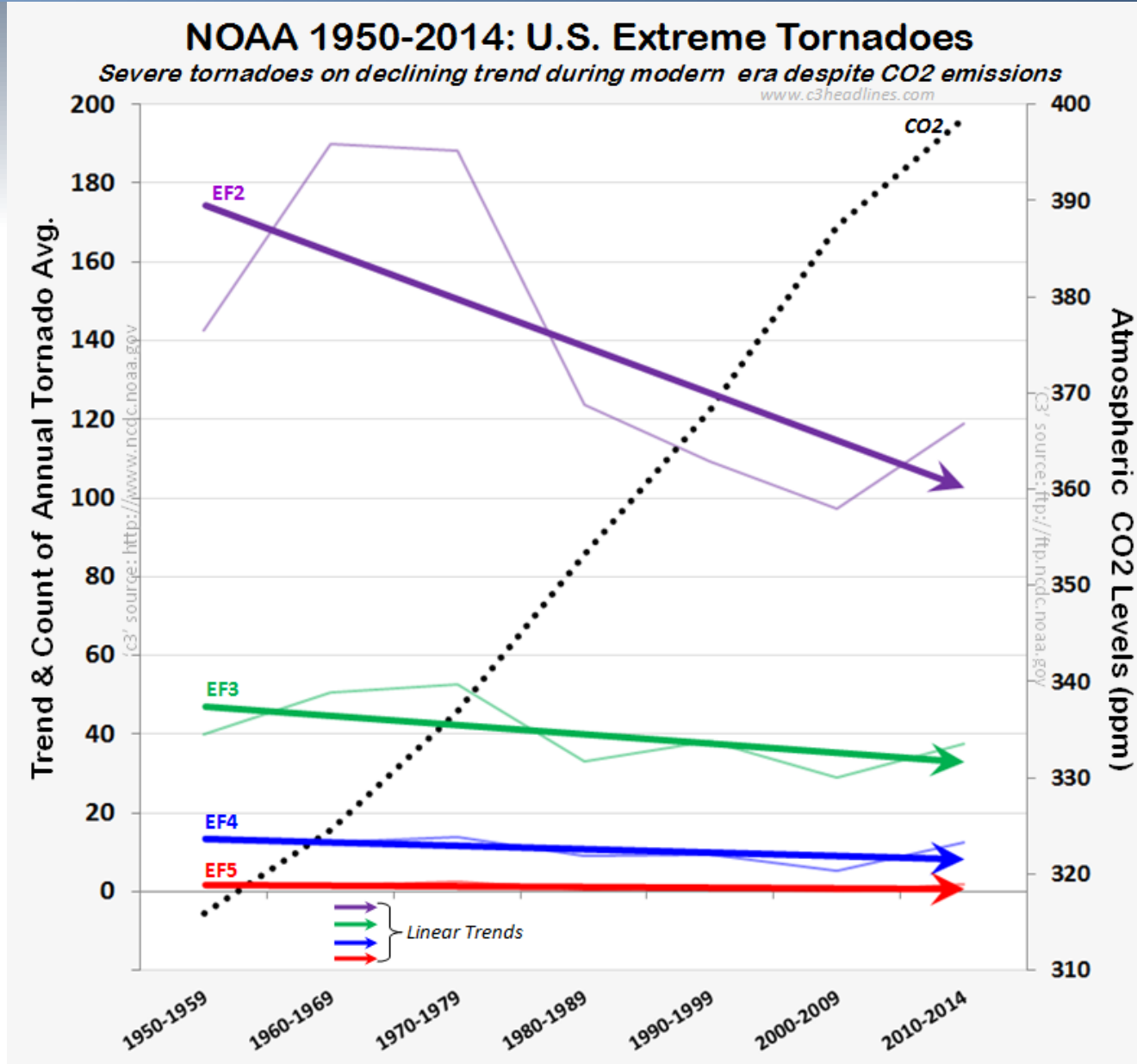
- **Reasons for increasing tornado counts**
 - More trained severe storm spotters
 - Doppler radars
 - Can detect the rotation in the storms
 - **Better communications & reporting tools!!**
 - Millions of mobile devices **MOST** with cameras!





Are Severe Storms/Tornadoes Getting Worse?

Strong & Violent Tornadoes: EF-2 – EF5





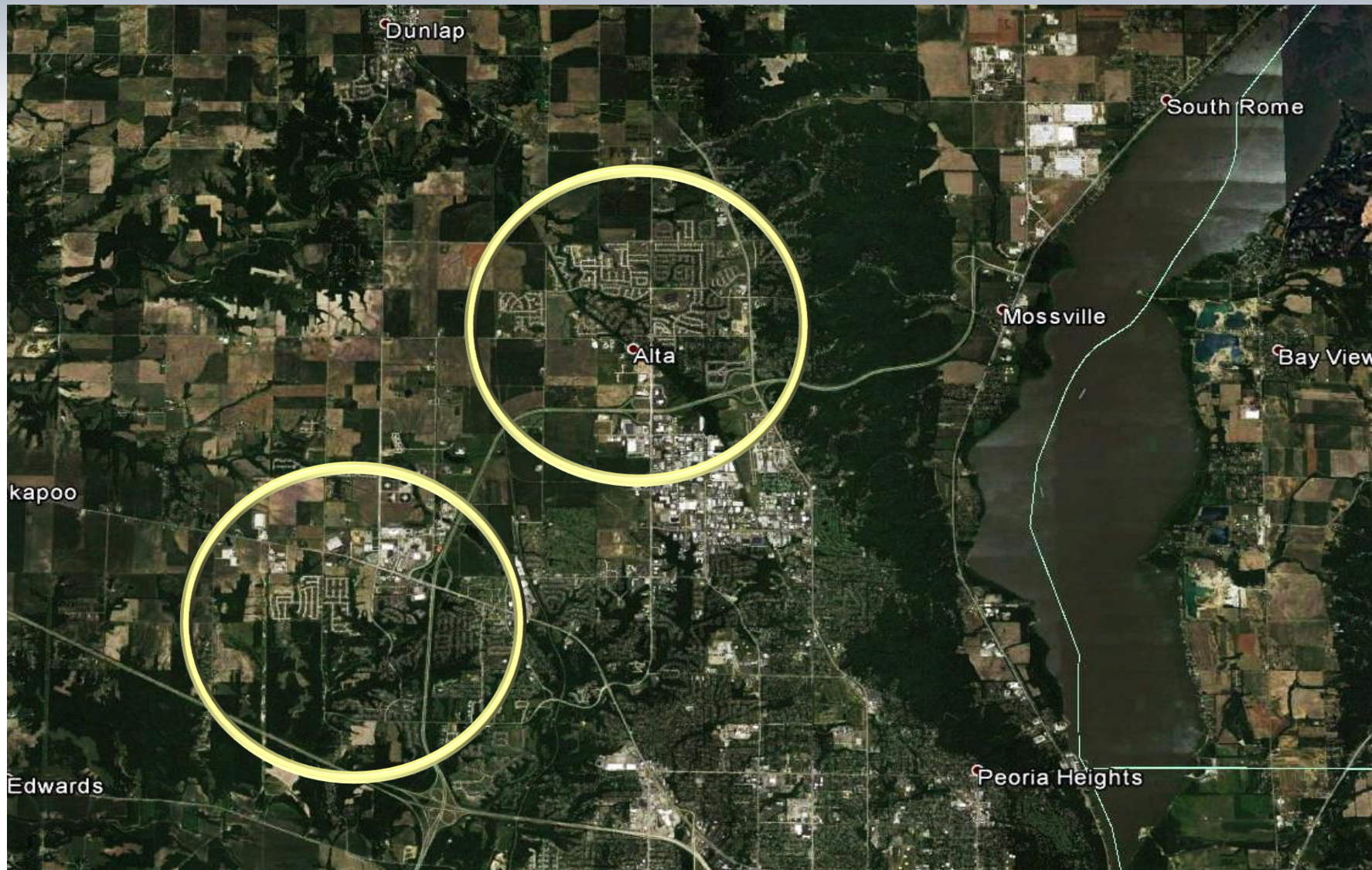
Are Severe Storms/Tornadoes Getting Worse?

- Research shows that severe storms are **NOT** getting worse, but the **IMPACTS ARE!**
 - **Societal changes**
 - **Population growth / Increasing population density**
 - **Urban areas are spreading**



Are Severe Storms/Tornadoes Getting Worse?

- **Urban Growth / Population Increase**





Severe Wind & Large Hail in Illinois

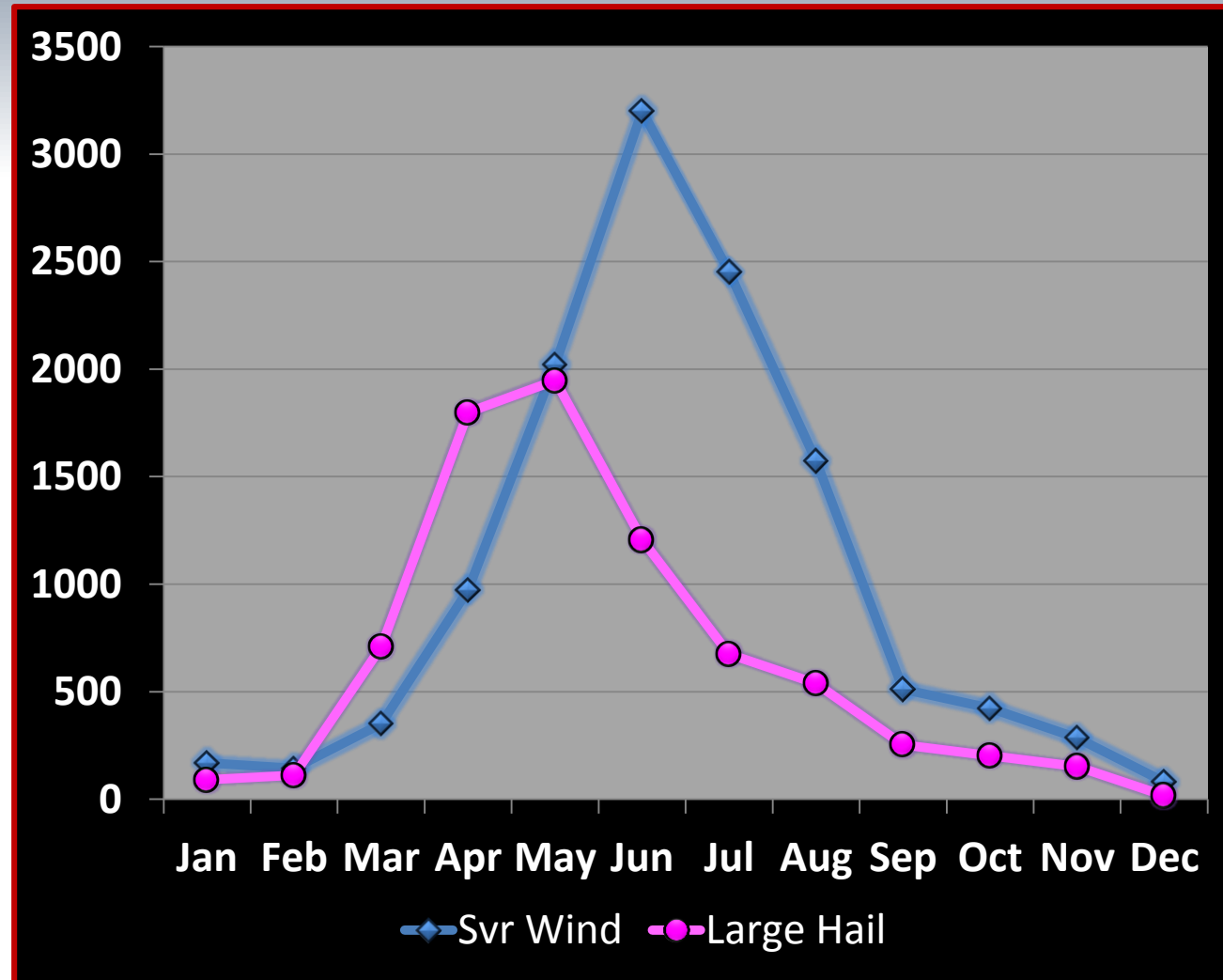
(1984-2016)

**Peak
Severe Season:**

*Mid May into
Late June*

**Peak
Severe Time:**

*2 pm to
11 pm*



Severe Thunderstorms

Definition

Severe Thunderstorms have at least one of the following:

- Wind gusts \approx 60 mph or higher
- Any wind which causes damage
- Hail 1.00" in diameter or bigger

KEEP IN MIND:

**Some severe thunderstorms
ALSO produce tornadoes!**

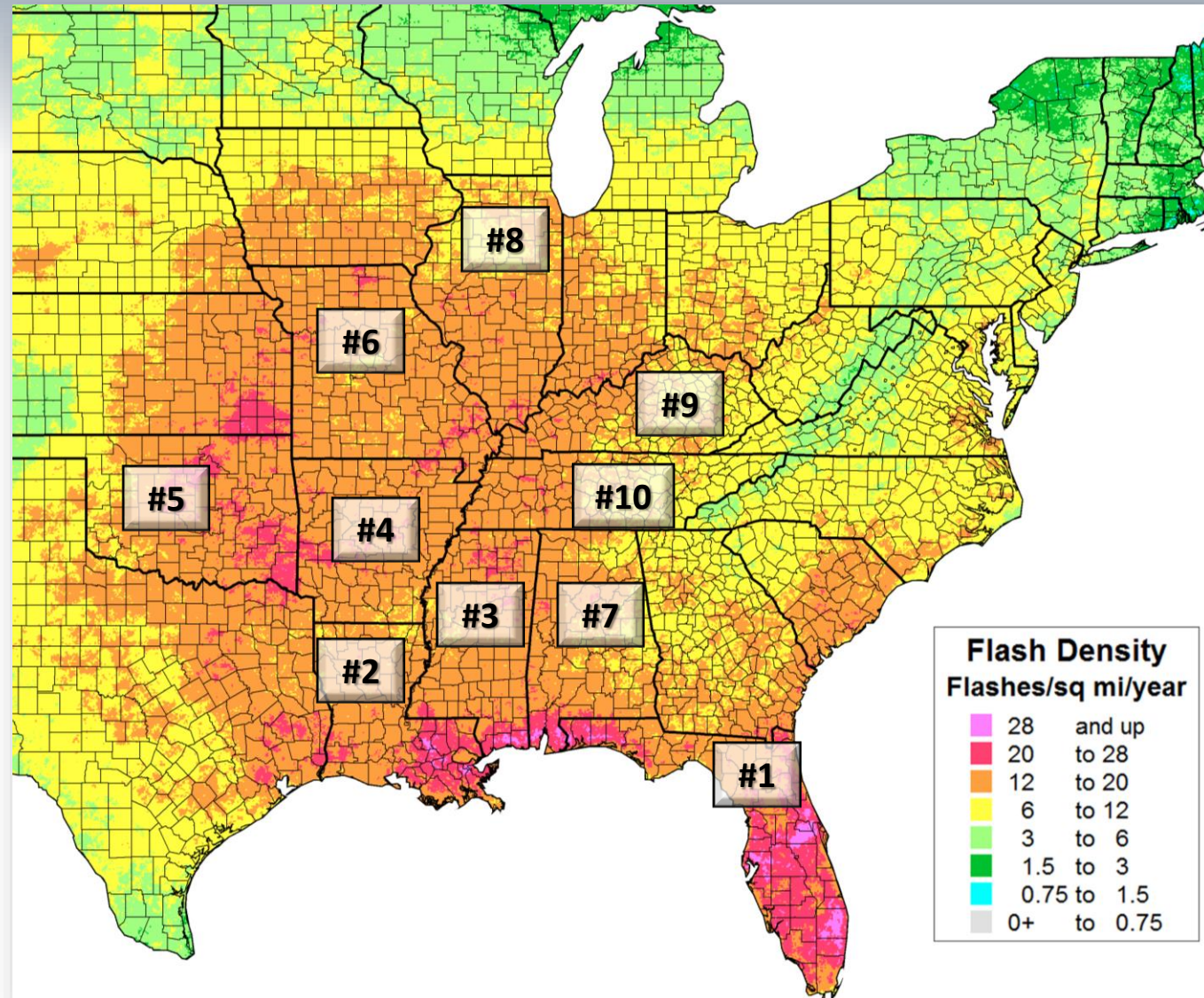




U.S. Lightning Strike Frequency

lightningsafety.noaa.gov

Illinois ranks
8th in the
U.S. for the
most
lightning
strikes per
square mile
each year!



Lightning

DEATHS IN ILLINOIS

- **20 people have died from lightning strikes** (since 1995)
 - **15% in the CIL-CARP Region**
 - **45% during an outdoor recreation activity or under a tree**
- **Largest risk groups**
 - **Males (75% of all deaths)**
 - **40 to 60 years old**



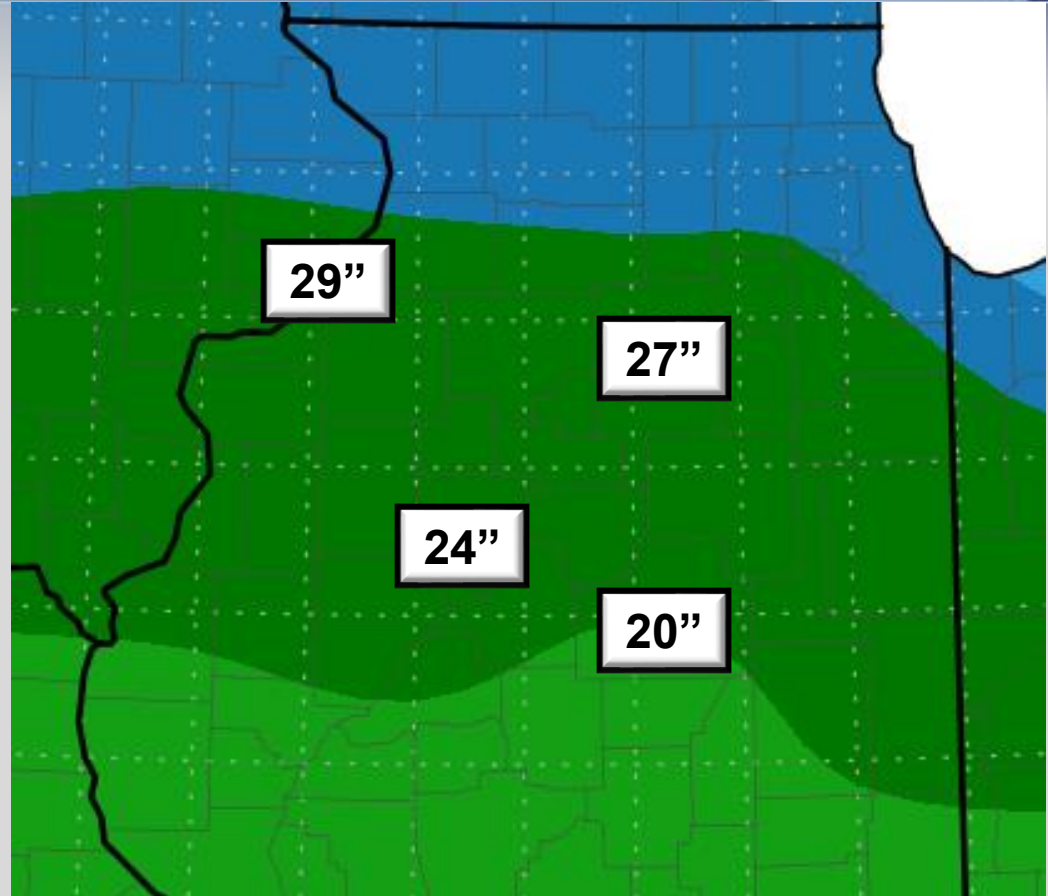


WINTER WEATHER



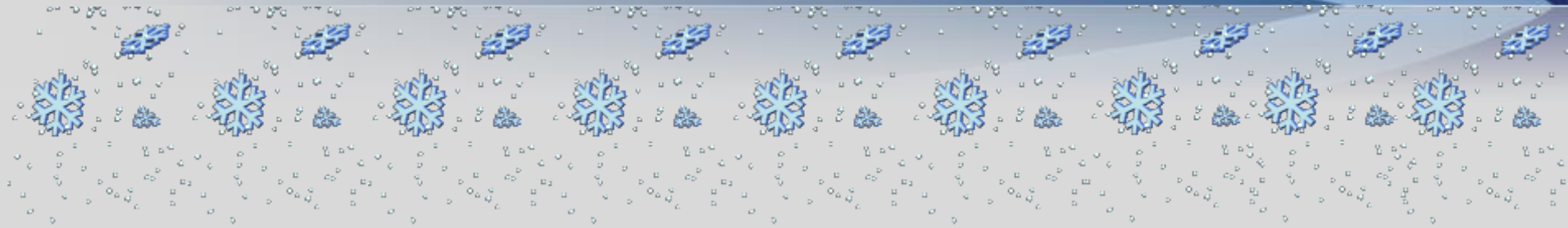
Normal snowfall...

- Average number of days with snow: **20**
- Average number of days with:
 - 1 – 4 "snow: 5**
 - 4"+ snow: 2**
 - 6"+ snow: once every 3 years**





Snowstorms



Recent snowstorms:

- **Peoria: 17.0" 1/31 – 2/2/11**
- **Bloom/Norm: 15.5" 12/31/98 – 1/2/99**
- **Moline: 18.4" 1/31 – 2/2/11**
- **LaSalle/Peru: 17.3" 12/1-3/06**

Days with ice...

- Average for CIL-CARP area in a year:
4 – 5 days
- Ice Storm (1/4" of ice or more):
Once every other year



Illinois State Climatologist

Winter Injuries/Fatalities

- **More than 10,000 people in U.S. are injured shoveling snow**
- **More than 700 people in the U.S. suffer a heart attack while shoveling snow**



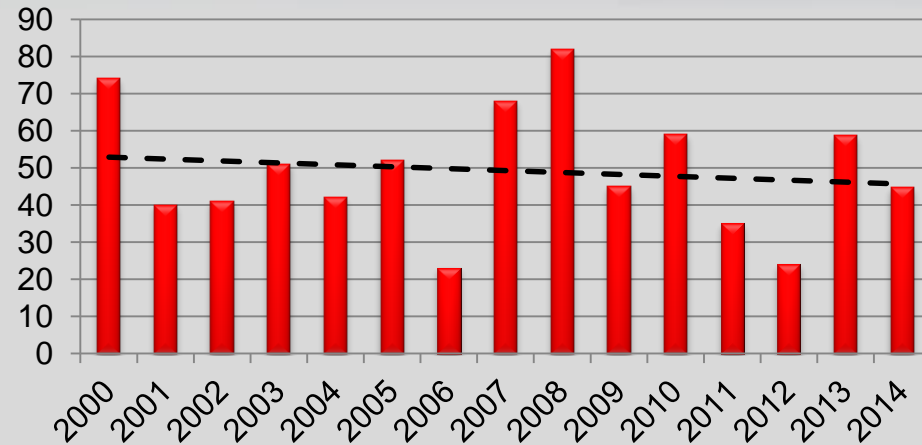


Winter Injuries/Fatalities

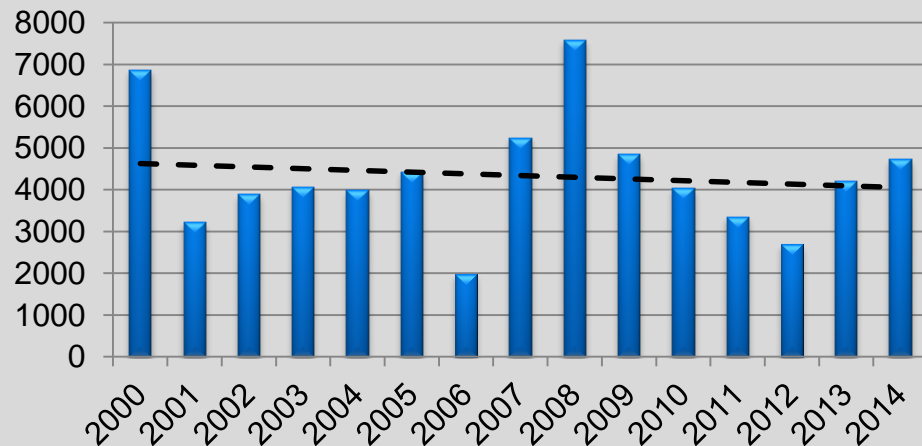
- **Illinois averages nearly 28,000 vehicle crashes due to snow and ice EVERY year**
- **Research has indicated that lighter snowfall situations cause more fatal accidents (75%) than heavier snowfall conditions in Illinois**

Ashley & Rodey, NIU, 2013

IL Traffic Fatalities – Snow/Ice



IL Traffic Injuries – Snow/Ice





Conclusions

- We are susceptible to a number of natural disasters
- There is an increasing trend in extreme impact events for some phenomenon
- Our vulnerability to these disasters is **INCREASING** due to a number of factors
- Hazard mitigation by all of us is **CRITICAL** to lessening the impacts of disasters
- At the NWS we will continue to adapt our products & services to inform people about high impact threats in the best possible ways



Questions ???

Thank you for your time!!



E-Mail: Chris.Miller@noaa.gov



Web Page: www.weather.gov/Lincoln



Facebook: www.facebook.com/NWSLincoln

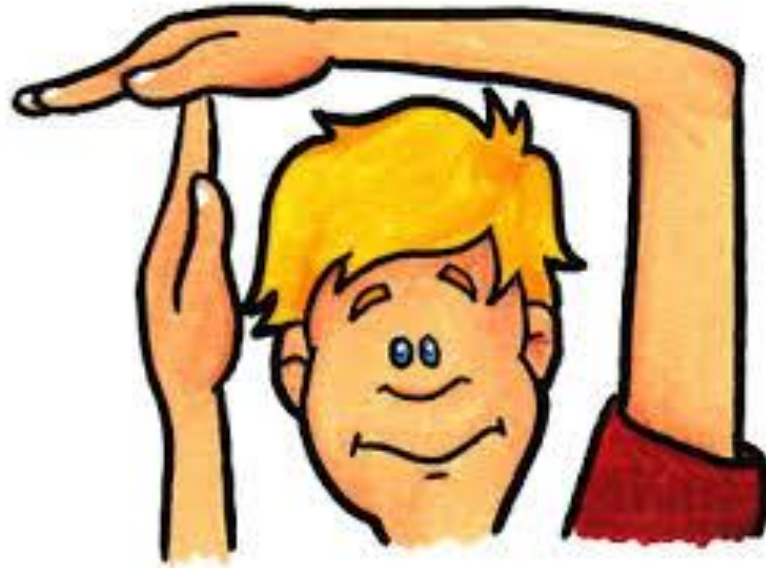


Twitter: www.twitter.com/NWSLincolnIL

You Tube: www.youtube.com/NWSlincoln



Lets take a break...





AirEvac...





EMAT – ICP Trailer...



Illinois Emergency Management Agency



NOMAD Command Vehicle Overview

Bob Flemming

October 11, 2017



NOMAD Command



NOMAD Command Overview

- IEMA house 2 NOMAD's in Springfield
- 45 foot vehicle with 2 slide-out sections
- Slide-out increases work space by 30%
- Divided into Command and Operations, Communications
- Can reach anywhere in Illinois in four hours
- Operational in one hour
- Self-contained including HVAC and generator power
- Provide voice, data and radio communications
- Can also be connected to “shore power”



NOMAD Technical Specifications Overview

- Kubota 12.5KW generator (Cummins Gen-Set) capable of providing ample power to the voice, data and radio systems including heating, air conditioning and interior/exterior lighting systems for up to 88 hours off the dual 70 gallon tanks of fuel
- 12 voice phone lines utilizing Telular cell phone converters. These lines are switchable to either satellite VoIP or land lines (if available).
- 40 foot telescoping mast on the rear of the NOMAD holds an external surveillance camera with pan, tilt, zoom & focus functions to enable a video overview of the surrounding area..
- Two-way communications radios, Low, High band, UHF and 700/ 800 MHz STARCOM21.



Communications Room & Two-way Radio Systems

- 1 Console and 2 operator system that handles all incoming/outgoing radio traffic
- Radio equipment consists of low & high band, UHF and 700/800 MHz STARCOM 21
 - Supported with 180 STARCOM 21 portables, 65 VHF portables and two VHF repeaters
 - All radios can be programmed on site to allow for interoperability



Video and Data displays

- Eight flat screen TV's / monitors that can provide enlarged PC display's and broadcast quality video and audio
- Command and Operations area there are four 42" LCD monitors and an additional four 24" LCD monitors
- Monitors can be utilized for data display from a PC or laptop computer or real time video from various sources
- Video / Audio system is routed through a PC based switcher that allows any monitor to view any source
- Video / Audio system in the NOMAD allows staff to view current situations that are occurring during an event and view data, maps and GIS information



Data Network and network equipment

- NOMAD Data Network has the capability of supporting wired devices or PC's by use of a class "C" subnet
- Total of 12 LAN jacks wired throughout the vehicle and each connection can be configured within the Juniper firewall to allow (or not allow) internet connectivity depending on available bandwidth
- File Server / Domain controller allows password authentication and access to file sharing storage
- One internal wireless access point using 802.11 B/G and two networked printers are also available



Contact Information

Robert Flemming / Region 6 Coordinator
Operations

Illinois Emergency Management Agency

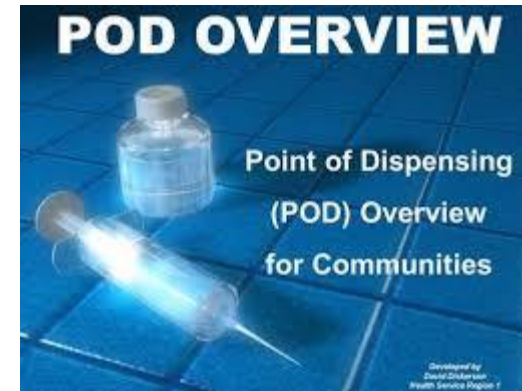
217-782-0922

Robert.L.Flemming3@illinois.gov

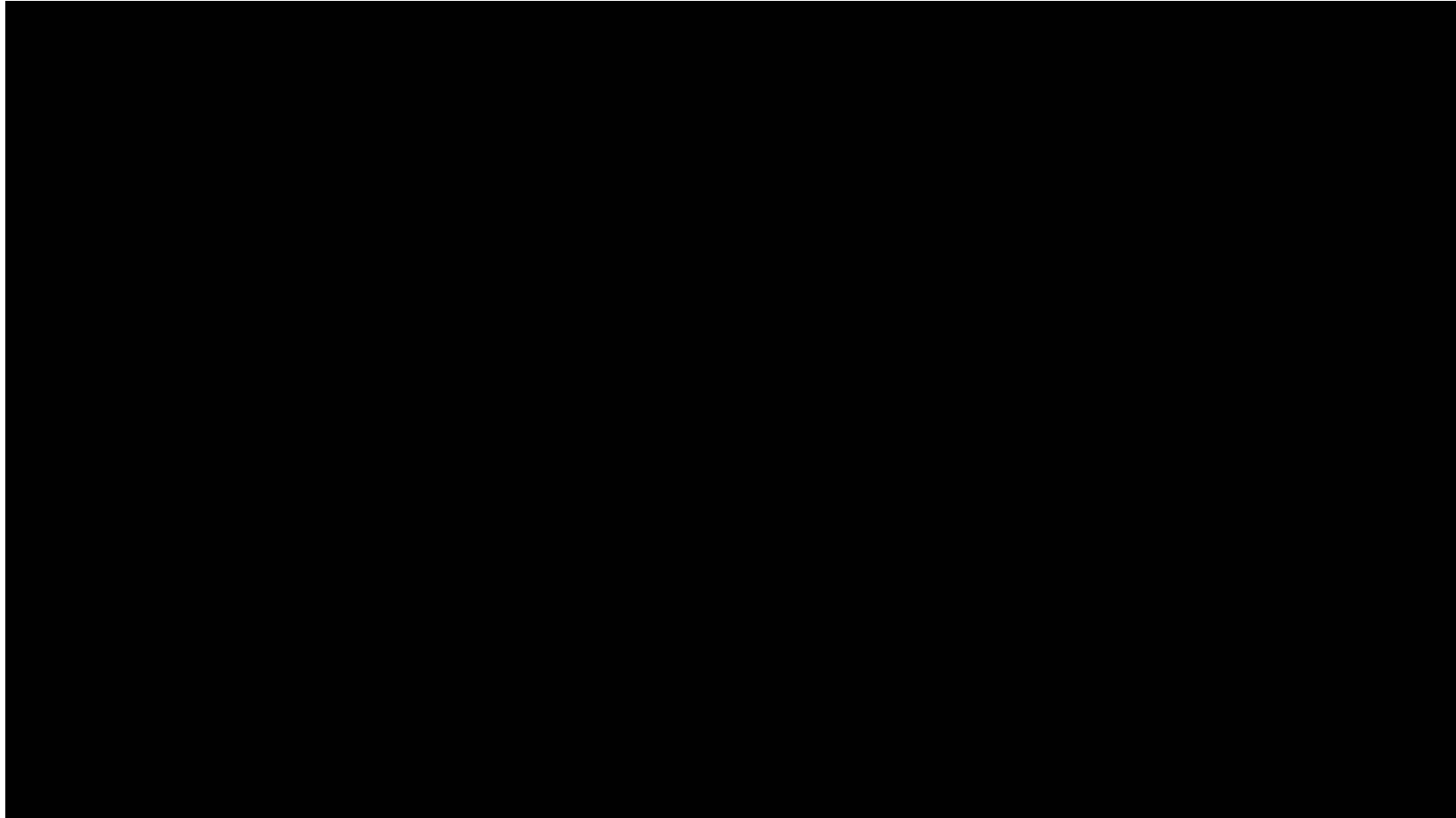
www.ready.illinois.gov



Peoria City/County Health Dept. Mobile POD trailer...



Region 2 Medical Emergency Response Team...



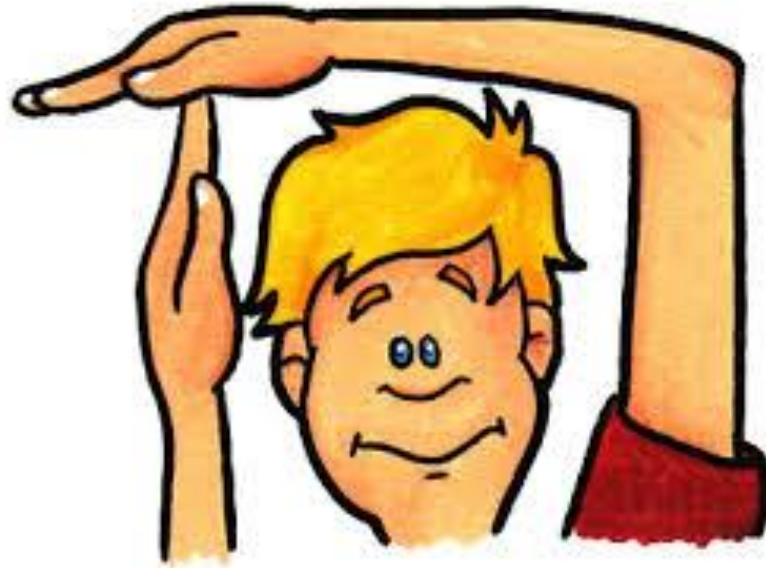


Tazewell Co EMA – UCP #10...





Lets take a break...





Fatality Management



Brian Gustafson, R.N. – Rock Island County Coroner



Fatality Management

October 11, 2017

Peoria Region Healthcare Coalition

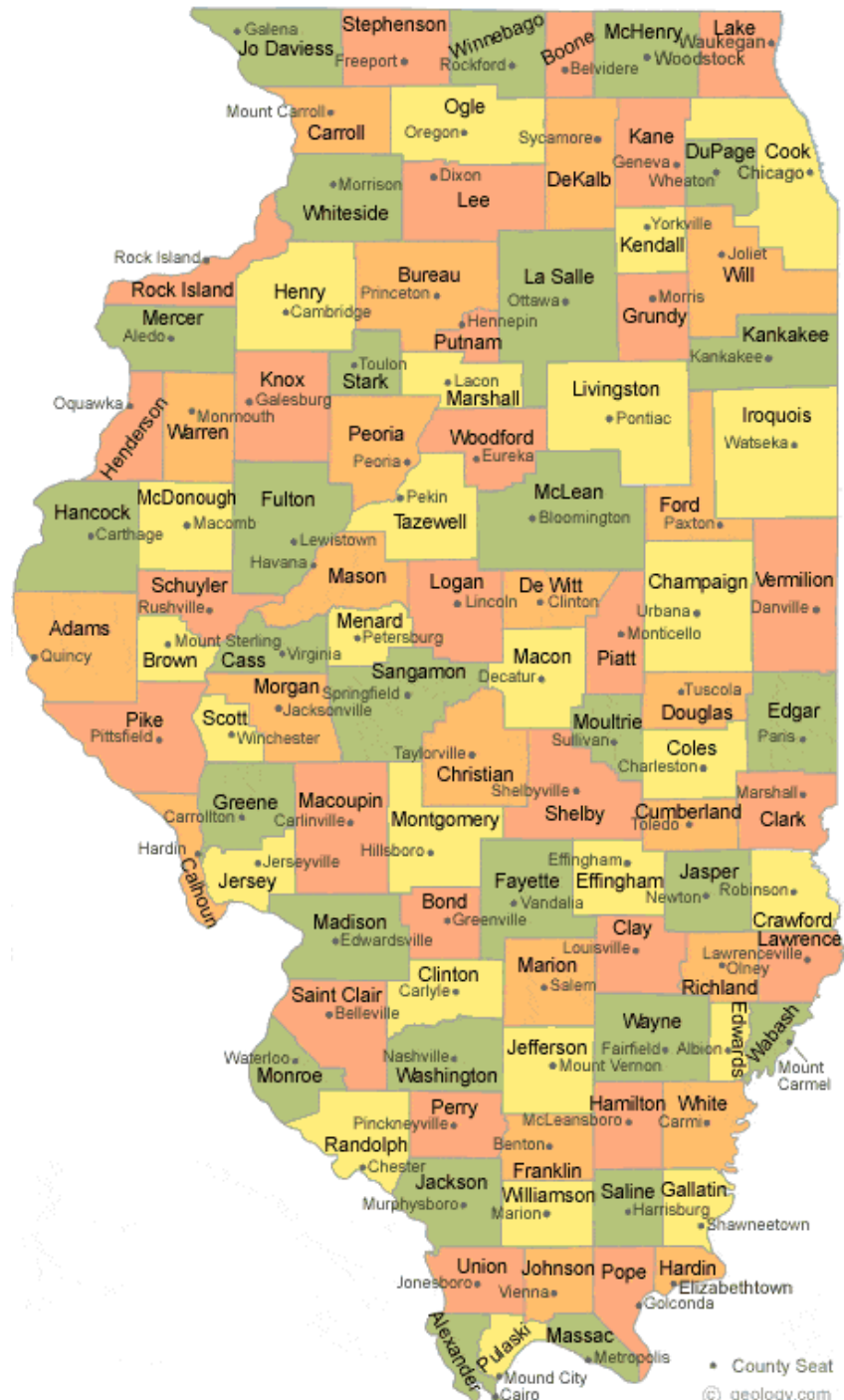
Brian W. Gustafson R.N.

Rock Island Co. Coroner

DISCLAIMER:

- Fatality Management is a serious tool to be trained for and practiced as much as possible.....Today's presentation is **NOT** the only way to handle certain situations, but are some that have been practiced, used, or implemented within Rock Island County. True Fatality Management **should be** continuously assessed, criticized, planned for, re-implemented, as well as, re-evaluated on a constant basis.
- The objective today is to **NOT** instill fear, but to recognize our jobs, duties, the potential disasters, acts of terrorism (foreign or domestic), and what we as first responders can practice for when....all of our nightmares come true.....

- Background: 1992 was hired as Deputy Coroner
- 1996: Graduated from Trinity College of Nursing ASN
- 2001: Promoted to Chief Deputy Coroner
- Elected 2008, Re-Elected in 2012, & 2016
- Past President of the ICMEA- 2013
- Currently the Vice-Chair of the Illinois Coroner Training Board



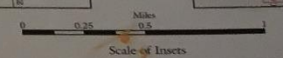
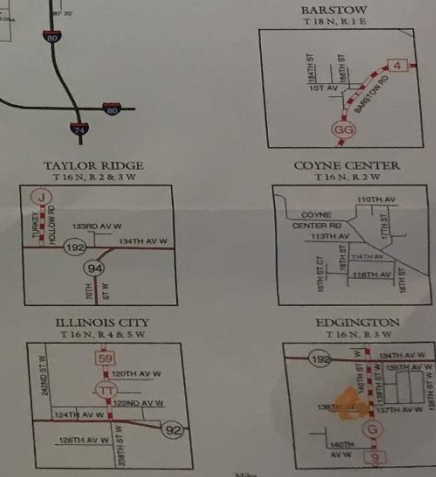
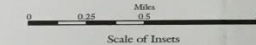
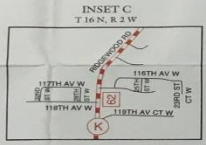
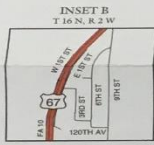
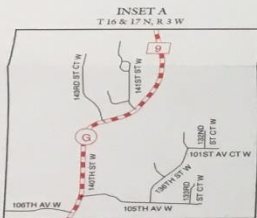
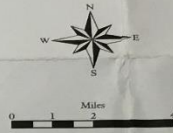
• County Seat
© geology.com

General Highway Map ROCK ISLAND COUNTY

Rock Island County, IL, USA
Population: 149,374
Total Area: 452 square miles

ROADS, BOUNDARIES	POINTS, SYMBOLS
Divided Highway, Controlled Access	Federal Interstate
Divided Highway, Uncontrolled Access	Federal Highway
Undivided Highway	State Highway
County Highway	County Highway
Local Road	FA 413 Federal Aid Designation
Railroads	Secondary Federal Aid Designation
Latitude/Longitude Lines	Hospitals
Political Township Borders	RI County Parks
USGS Section Lines	RI County Highway Dept. Main office: 851 W 10TH AV MILAN, IL 61264
Municipal Boundaries	Inset frames

All population figures based on official 2000 Census Bureau statistics.





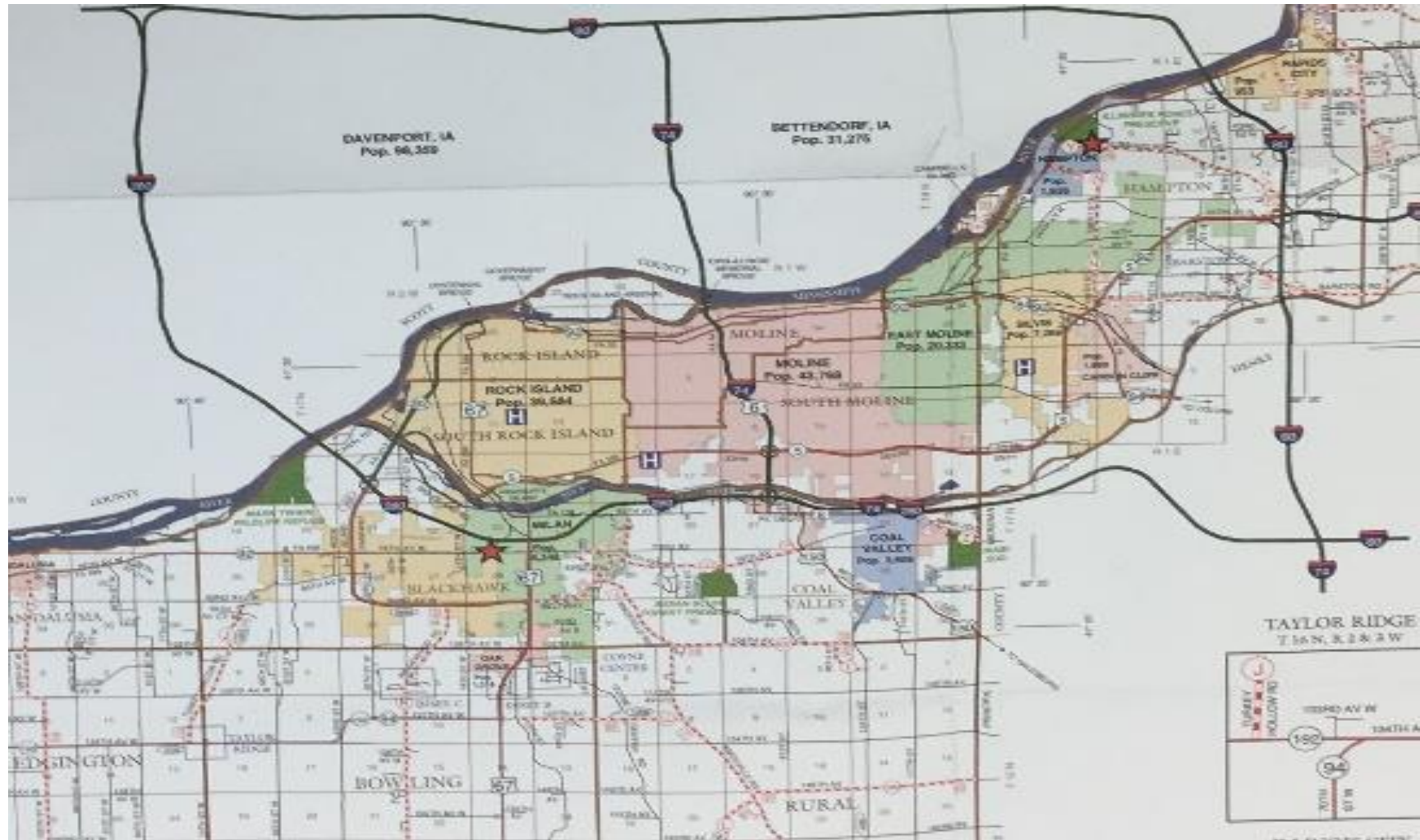




Photo credit of Doc Searls of Santa Barbara, Ca. Borrowed from Google

Potential Targets/Places for Mass Fatalities

- Lock & Dam 14, 15, & 16 on Mississippi River
- Taxslayer Arena (Mark of the Quad Cities) located in Moline
- Quad City International Airport located in Moline
- Two major Rail switching hubs- Rock Island & Silvis
- Rock Island Arsenal: Manufacture major weaponry, tanks, ammo at one time, Special projects (highly sensitive)
- Exelon Quad Cities Nuclear Plant-Cordova, Illinois
 - Highly secure, Snipers, multiple channels of security to enter/ gain employed.

Illinois/Iowa Locks/Dams Mississippi River



Image result for
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- Augustana College, Blackhawk College, Western Illinois University Satellite location....any of our seven High Schools....
- Southpark Mall- located in Moline
- Multiple fresh water & sanitation facilities throughout the county
- Multiple hard and soft targets.....

Let's not forget about Natural Disasters

- Tornado's
- Straight line winds (July 2008 winds of 96 miles per hour)
- Floods/Flash Floods
- Extended periods of heat (i.e.. Chicago 1995) over 700 dead in Cook County alone...
- Extended cold snaps...

Definition of Mass Fatality

- **Mass Fatality** Incident (abbreviated MFI) is an emergency management term used to identify an incident involving more dead bodies and/or body parts than can be located, identified, and processed for final disposition by available response resources.
- [Mass fatality incident - Wikipedia](#)
- https://en.wikipedia.org/wiki/Mass_fatality_incident
- *More deaths than you have the manpower or resources to handle...*

What are my resources?

- 15 Funeral Homes, 2/3 of which have refrigeration/ coolers
- MOU's with two refrigerated trailer firms (ThermoKing/ Tyson)
- MOU's with QC Airport and Moline City for the utilization of massive maintenance garages for temporary morgues.
- MOU's with the Illinois Coroner's & Medical Examiner's Assn. Approximately 46 of the 102 Illinois counties have signed on as Mutual Aid responders...
- 35-40 "Disaster Deputies"Funeral Directors with representation from all 15 Funeral Homes located within R.I. County. All have special ID's....



OFFICE OF THE COUNTY CORONER

Brian W. Gustafson, R.N.
County Office Building
1504 - 3rd Avenue
Rock Island, Illinois 61201
Phone: (309) 558-3640 Fax: (309) 558-3646

Memorandum of Understanding for Temporary Morgue Facility

The purpose of this memorandum of understanding is to establish an agreement between the Rock Island County Coroner's office and Quad City International Airport to utilize a portion of the airport's maintenance facility in the event a temporary morgue is required as a result of a disaster in Rock Island County.

Airport responsibilities:

- A) Provide agreed upon space.
- b) Provide security direction in order to comply with established airport policies.

County responsibilities:

- a) Arrangement, set up and removal of temporary morgue and related equipment.
- b) Provide necessary manpower and required identification.

County Official:

Brian W. Gustafson
Rock Island County Coroner
1504 - 3rd Avenue
Rock Island, IL 61201
309-558-3640
309-737-1420 (cell)

Signature

Date

Moline City Official:

Jeff Patterson
Public Safety Manager
Moline, IL 61265
309-314-1486

Signature

Date

BWG/jmv



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Brian W. Gustafson, R.N.
County Office Building
1504 - 3rd Avenue
Rock Island, Illinois 61201
Phone: (309) 558-3640 Fax: (309) 558-3646


May 27, 2015

Ms. Vickie Felger
City of Moline Legal Dept.
619 - 16th Street
Moline, IL 61265

Dear Vickie,

As per our discussion here is the Memorandum of Understanding. Thank you so much in advance for you and your city's willingness to participate in disaster preparedness as well as, God forbid, an actual disaster.

Respectfully,



Brian W. Gustafson, R.N.

BWG/jmv

Brian Gustafson

From: Felger, Vickie [vfelger@moline.il.us]
Sent: Wednesday, May 06, 2009 2:54 PM
To: Brian Gustafson
Subject: Temporary Morgue MOU - City of Moline

Mr. Gustafson,

Hello. You contacted me awhile back about a possible amendment to the Memorandum of Understanding for Temporary Morgue Facility between the Rock Island County Coroner and the City of Moline given your election into the position of County Coroner. I'd like to extend a belated congratulations to you on your win!

I have re-reviewed the MOU and discussed this matter with Law Director Jeff Lester. Given that no other changes to the agreement are required and that it has not expired and is not due to expire, he does not believe an amendment is necessary.

Please let me know if you have any further questions or concerns about this.

Thank you.

Vickie Felger
Legal Services Specialist
City of Moline
Ph: (309) 797-0468
Fx: (309) 797-4461
vfelger@moline.il.us
www.moline.il.us

524-2010



**Certificate
of Appointment of**

**STATE OF ILLINOIS
Rock Island County**

} ss.

Coroner/Deputy Coroner

County Clerk's Office

TO ALL WHOM IT MAY CONCERN:

I, _____ County Clerk of
the County of Rock Island aforesaid, do hereby certify that on the
_____ day of _____ A.D., 20 _____

_____ Esq.,
was duly appointed a DEPUTY CORONER in said County and that
he has taken the oath of office as required by law. The term of said
office expires on the _____ day of _____,
A.D., 20 _____.

In Witness Whereof, I have hereunto set my hand, and affixed the
seal of said County this _____ day of _____ A.D., 20 _____.

Coroner

County Clerk

To find State Resources- Google Local EMA Resources-Illinois.gov

- This will bring up a page with every possible need and how to acquire it...
- Under the preparedness tab, scroll down to “Standard Guide for Fatality Management” (34 pages in length)

Background

Illinois' Fatality Management Cooperative Work Group began in fall of 2008 with representatives from Illinois Emergency Management Agency – Illinois Terrorism Task Force, Illinois Department of Public Health, Illinois Coroners and Medical Examiners Association, Illinois Emergency Services Management Association, Illinois Association of Public Health Administrators, Illinois Funeral Directors Association, local coroners, local emergency management agencies, local public health, and Cook County Medical Examiner's Office.

- Standard Guide for Fatality Management in Illinois
- Taking an all hazards approach, this document offers guidance on developing a fatality management annex that can be tailored to any fatality management incident. It is recommended that state and local government organizations use this guide as a standard when developing mortuary services and/or fatality management annexes to ensure statewide interoperability.
- •Standard Guide for Fatality Management in Illinois
- •Operational Period Briefing Agenda
- •Fatality Management Annex Template
- •Fatality Management Initial Incident Assessment Form
- •Message Mapping Worksheets
- •Fatality Management Task Responsibility Matrix
- •Fatality Management Task Responsibility Matrix (Appendix)
- •Fatality Management Task Responsibility Matrix (Coroner and Staff)

Coroner Statute

- Falls under the Illinois Compiled Statutes under Counties(55 ILCS 5/)
- Myths versus Truths:
- Anyone can move a deceased human...
- If someone dies in the ER or anywhere for that matter; tubes, IV's, clothes, wallets, jewelry etc. can be removed before contacting the Coroner....
- A decedent on a major roadway can be moved if traffic is impeded before the Coroner is notified...
- Audience questions on Myths VS. Truths

Coroner requirements:

- Elected (96 of 102 counties)
- Cook County has the only Medical Examiner system in the state (appointed)
- 5 Coroners are appointed by their individual county board Chairperson.
- Must be 18 years of age and a resident of the county they are running for office...
- Upon election victory, new Coroners must complete 40 hour training
- Every year afterward, must complete 24 hours of accepted continued education.
- Failure to complete this demand will be reported to their County Board Chair....by The Illinois Coroners Training Board

Mass Fatality and religious beliefs

- Whenever a mass fatality takes place...nothing moves quickly...
- It could/would literally take hours, if not days before the dead could be moved.
- Depending on size of the event, evacuation of the injured and alive could last for a significant amount of time.
- If event involves a plane, train, bus...NTSB and possibly FBI will be taking over the investigation....Coroner becomes part of the JIC (Joint Information Center) or EOC (Emergency Operations Center) or both.

Jewish Funerals & Burial

- A Jewish funeral usually occurs within 24 hours after the death; however, in the modern world, there is allowance and acceptance to delay the burial for mourners to travel and for appropriate arrangements to be made...
- As Coroner, I work with the Funeral Director in attempting to conform to the families wishes.....However, this isn't always possible...for Example...Homicides
- <http://www.shiva.com/learning-center/death-and-mourning/burial/>

Muslim Funeral & Burial

- According to Islamic law, the body should be buried as soon as possible from the time of death, which means the planning and preparations begin immediately. A local Islamic community organization should be contacted as soon as possible...
- Organ donation is generally acceptable for Muslims, as it follows the Qur'an's teaching that "Whosoever saves the life of one person it would be as if he saved the life of all mankind"

<https://www.everplans.com/articles/muslim-funerals-traditions>

Buddhist Funerals

- After death has occurred, the body of the deceased should not be touched, disturbed , or moved in any way because they believe the soul doesn't leave the body immediately after breathing stops.
- Organ donation and donating the body to medical research are both acceptable in the Buddhist faith.
- Embalming is acceptable in the Buddhist faith.

- <http://www.everplans.com/articles/Buddhist-funerals-traditions>

Participate in any drill you are invited to!!!

- Networking.....Most important part of all of our Jobs!!!!
 - Average professional changes positions (promotions) etc. every 3 years...
 - Know who your playmates will be when all hell breaks loose!!
- Every table top, actual exercise, or meeting will stir more questions inside youand make you more ready!!!
- Identify your backup! Drag them along! If they look bad in your absence, YOU look bad!!
- Never stop thinking about this, learning about this, and sharing this....



Brian W. Gustafson, RN

CORONER
ROCK ISLAND COUNTY

COUNTY OFFICE BUILDING

1504 - 3rd Avenue

Rock Island, Illinois 61201

Phone: (309) 558-3640

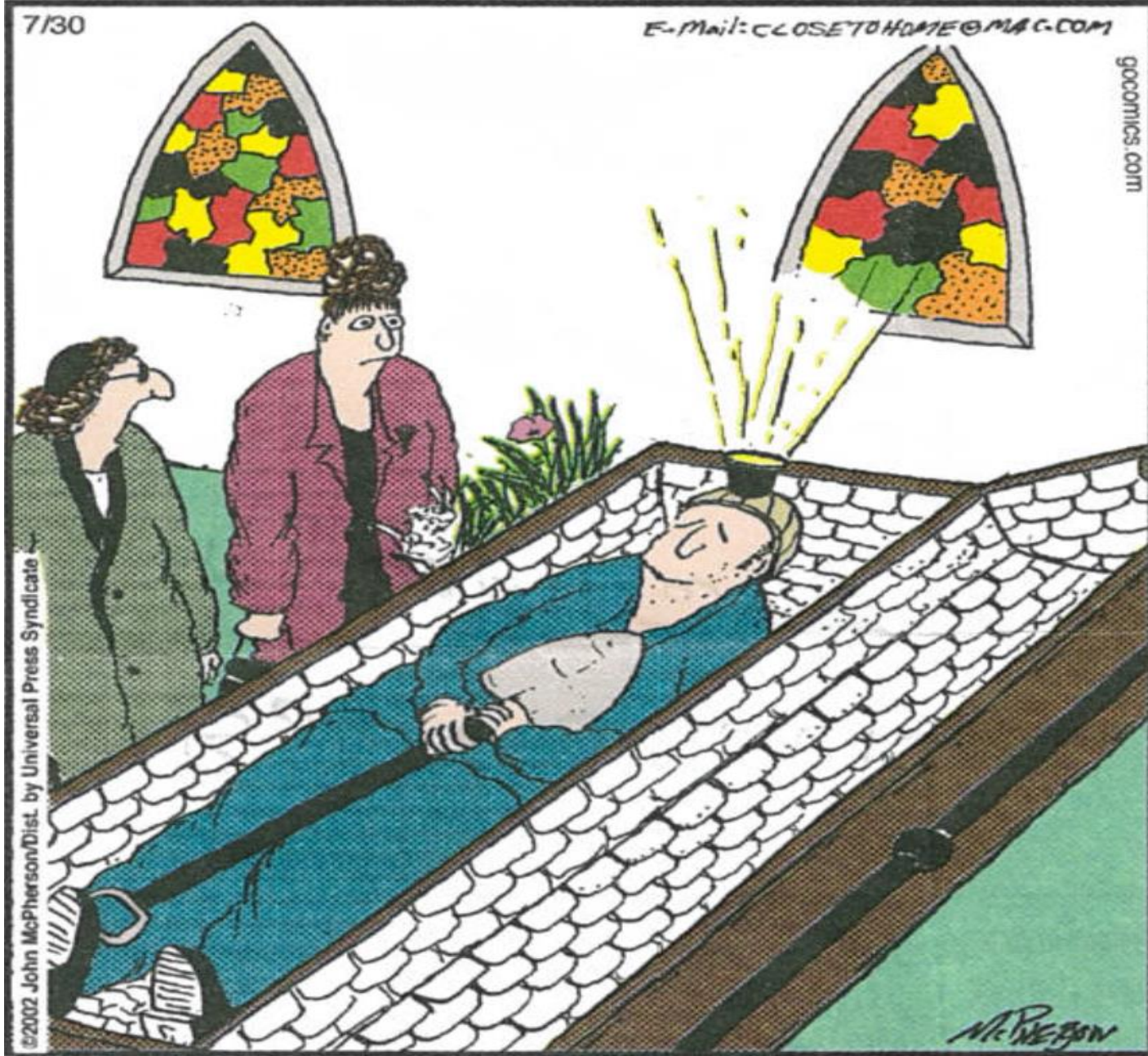
Fax: (309) 558-3646

E-mail: bgustafson@co.rock-island.il.us

COUNTY RADIO

(309) 788-8988





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"He read an article last year which said that coroners are only 98 percent accurate."



Thank you!

- Please provide feedback
- Building a coalition for us, not a one size fits all

