

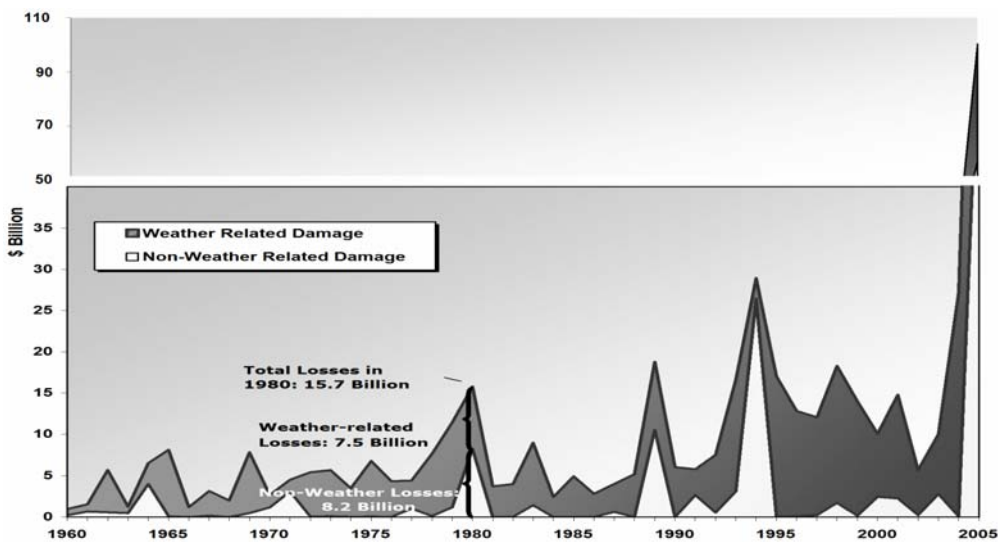
HAZARDS & VULNERABILITY RESEARCH INSTITUTE

2005 U.S. HAZARD LOSSES

LOSS SUMMARY OF 2005

Year	Total Losses (\$ billions)	Fatalities	Injuries	Property	Crop
2005	100.4	399*	550*	96.7	3.7
1960-2004	372.1	17,249	169,913	290.5	81.6

CUMULATIVE TIMELINE (1960-2005)

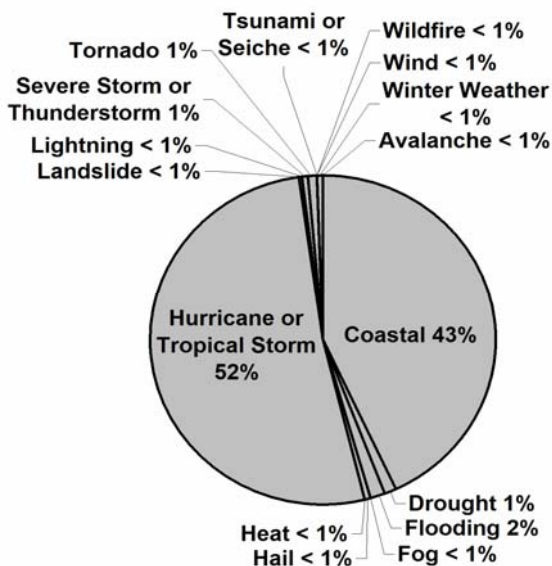


15 MOST COSTLY YEARS

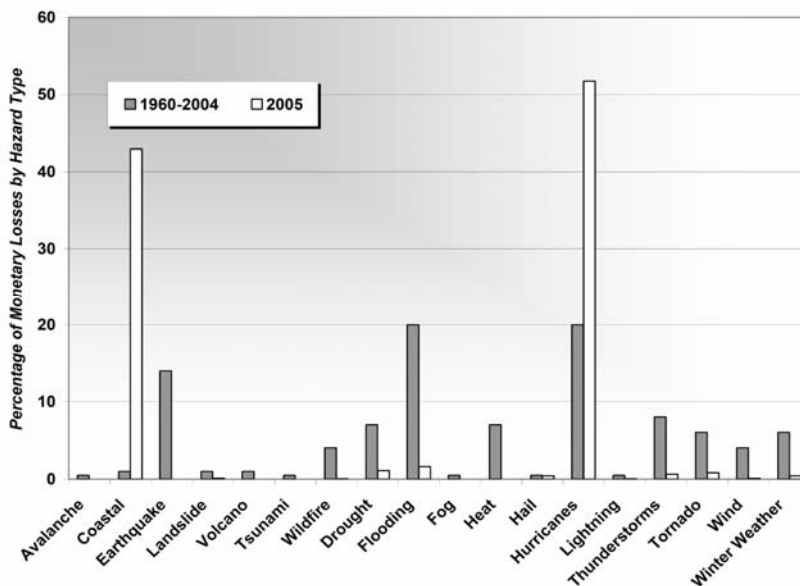
Year	Total Losses (\$ billions)	Fatalities
2005	100.4	399
1994	28.9	245
2004	27.2	337
1989	18.8	358
1998	18.3	672
1995	17.0	1,526
1993	16.6	216
1980	15.8	864
2001	14.8	445
1999	14.0	912
1996	12.8	533
1997	12.1	582
1979	11.4	316
2000	10.1	478
2003	10.0	422

MONETARY LOSSES BY HAZARD TYPE

Breakdown of losses by cause in 2005:



Comparison of 2005 causes with average:



* Please note: NCDL death & fatality rates are severely underreported, especially for hurricanes. Updates will come in the future

BILLION DOLLAR EVENTS IN 2005

Event	Date	Affected States	Estimated damage/cost
Hurricane Katrina (Cat 3)	August	LA, MS, AL	≥ \$125 billion, ≥ 1833 deaths**
Hurricane Rita (Cat 3)	September	TX, LA	≥ \$16 billion, ≥ 119 deaths
Hurricane Wilma (Cat 3)	September	FL	≥ \$16 billion, ≥ 35 deaths
Hurricane Dennis (Cat 3)	July	FL, AL	≥ \$2 billion, ≥ 15 deaths
Midwest Drought	Spring-Summer	AR, IL, IN, MO, OH, WI	≥ \$1 billion, ≥ 0 deaths

Source: National Climatic Data Center (<http://www.ncdc.noaa.gov/oa/reports/billionz.html>), as of December 7, 2006)

**NCDC Billion Dollar Events are more up to date than the 2005 data used to compile this document.

TOP 10 AFFECTED COUNTIES IN 2005

Most Hazard Hits

County	State	Counts
San Diego	CA	62
Riverside	CA	59
San Bernardino	CA	58
Harris	TX	49
Polk	IA	45
Essex	NY	39
Tuscaloosa	AL	36
Clinton	NY	36
Pima	AZ	36
Orange	CA	35

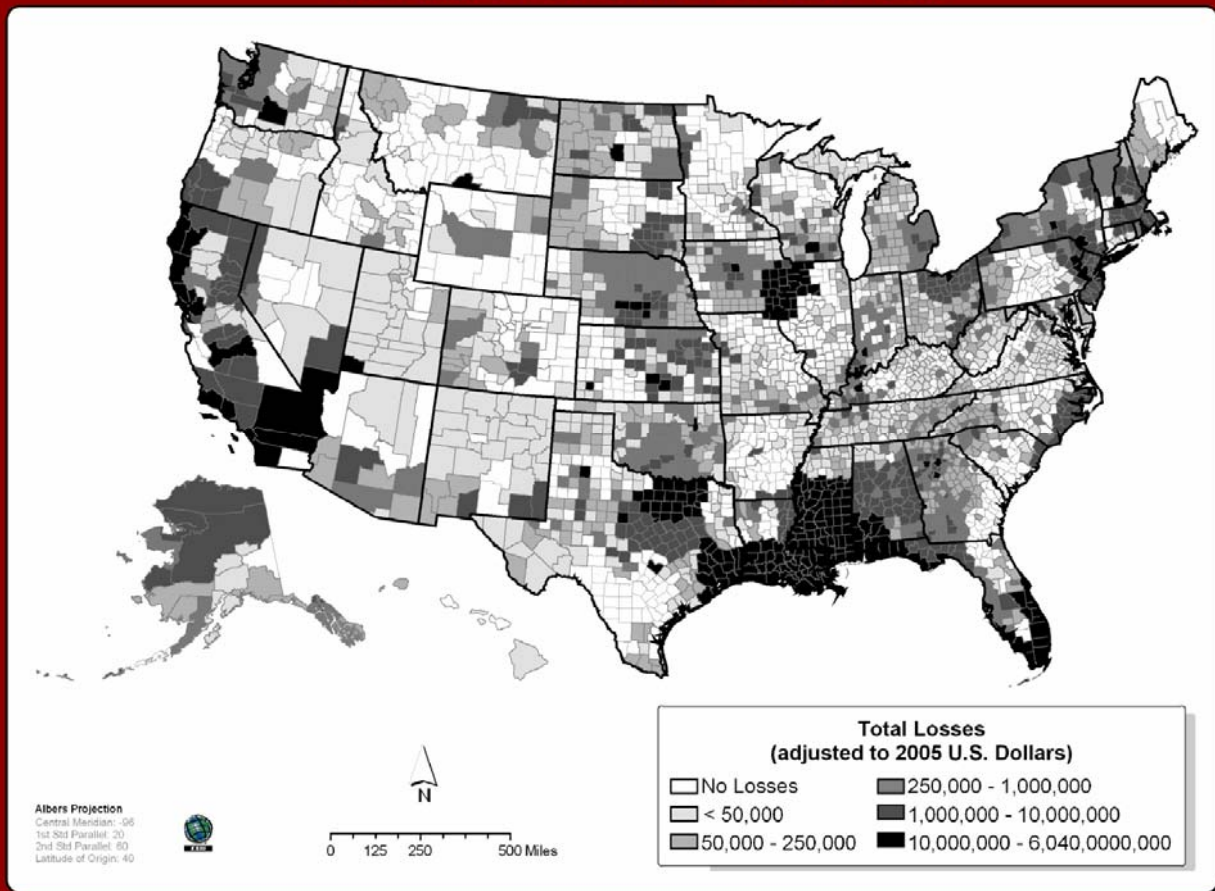
Highest Losses

County	State	Damage (\$ billion)
Lafourche	LA	6.0
Plaquemines	LA	6.0
Jefferson	LA	6.0
St. Bernard	LA	6.0
Orleans	LA	6.0
St. Tammany	LA	6.0
Jackson	MS	4.7
Harrison	MS	4.7
Hancock	MS	4.7
Palm Beach	FL	2.7

Most Fatalities*

County	State	Fatalities
Maricopa	AZ	32
Vanderburgh	IN	20
Philadelphia	PA	15
Pima	AZ	10
Jones	MS	10
Ventura	CA	10
Broward	FL	9.3
Cook	IL	9
Cochise	AZ	7
Santa Cruz	AZ	7

Total Losses from Natural Hazards in 2005



In 2005, there were 47 presidential disaster declarations that affected 29 different states and 386 counties.

The annual average number of declared presidential disasters is around 30.

The states that received the most disaster declarations were:

Florida: 3
Kansas: 3
Louisiana: 3

Sixteen states received one PDD in 2005, and ten states received a total of two PDDs.

For more information on presidential disaster declarations go to FEMA (<http://www.fema.gov/hazard/>) and the Public Entity Risk Institute (PERI) at (<http://www.peripresdecus.a.org/mainframe.htm>).



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DATA SOURCE: SHELDUS VERSION 5.1
Spatial Hazard Events and Losses Database for the U.S.

www.sheldus.org