

Summary of Historical Hazards Impacting Pinal County Communities

Hazard	Statewide or Multiple County Declarations That Included Navajo County Communities				Substantially Navajo County Communities			
	No. of Records	Recorded Losses			No. of Records	Recorded Losses		
		Fatalities	Injuries	Damage Costs (\$)		Fatalities	Injuries	Damage Costs (\$)
Civil Disturbance	1	0	0	\$311,000	0	0	0	\$0
Dam/Levee Failure	1	0	0	\$0	1	0	0	\$0
Drought	71	0	0	\$300,324,000	0	0	0	\$0
Earthquake	0	0	0	\$0	1	0	0	\$0
Flooding/Flash Flooding	13	19	112	\$1,252,826,000	43	0	0	\$82,000
Hazardous Materials Incident	3	0	0	\$493,000	11	0	140	\$103,000
Infestation	12	0	0	\$1,042,000	1	11	0	\$0
Miscellaneous	6	0	0	\$326,000	0	0	0	\$0
Power/Utility Failure	2	0	0	\$222,000	0	0	0	\$0
Strike	1	0	0	\$0	0	0	0	\$0
Terrorism	2	0	0	\$3,008,000	0	0	0	\$0
Tornados/Dust Devils	0	0	0	\$0	20	0	0	\$3,000
Thunderstorm/High Winds	1	0	17	\$2,000,000	32	0	0	\$6,000
Transportation Accident	0	0	0	\$0	6	6	1	\$0
Tropical Storms/Hurricane	8	23	0	\$383,118,000	0	0	0	\$0
Wildfire	20	0	0	\$39,801,000	11	0	0	\$0
Winter Storm	7	8	0	\$4,302,000	0	0	0	\$0

Name	Hazard Category	Hazard	Description	Address	City	State	Zip Code	Latitude	Longitude	Date	Time	Deaths	Injuries	Displaced People	Cost to Respond					Cost to Recover					Total Cost	Data Source	Do figures include other Counties in AZ?	
															City	County	State	Federal	Other	City	County	State	Federal	Other				
Drought 1899	Natural	Drought	Between 1849 and 1905, the most prolonged period of drought conditions in 300 years occurred in Arizona			AZ				1899																URS, October 2003	y	
Drought 1900	Natural	Drought	Between 1849 and 1905, the most prolonged period of drought conditions in 300 years occurred in Arizona			AZ				1900																URS, October 2003	y	
Drought 1901	Natural	Drought	Between 1849 and 1905, the most prolonged period of drought conditions in 300 years occurred in Arizona			AZ				1901																URS, October 2003	y	
Drought 1902	Natural	Drought	Between 1849 and 1905, the most prolonged period of drought conditions in 300 years occurred in Arizona			AZ				1902																URS, October 2003	y	
Drought 1903	Natural	Drought	Between 1849 and 1905, the most prolonged period of drought conditions in 300 years occurred in Arizona			AZ				1903																URS, October 2003	y	
Drought 1904	Natural	Drought	Between 1849 and 1905, the most prolonged period of drought conditions in 300 years occurred in Arizona			AZ				1904																URS, October 2003	y	
Drought 1905	Natural	Drought	Between 1849 and 1905, the most prolonged period of drought conditions in 300 years occurred in Arizona			AZ				1905																URS, October 2003	y	
Drought 1989	Natural	Drought				AZ				07/21/1989																\$32,710	URS, October 2003	y
Drought 1996	Natural	Drought				AZ				06/07/1996																\$211,499	URS, October 2003	y
Drought 1999-01	Natural	Drought	GLICKMAN DECLARES PENNSYLVANIA, 13 ARIZONA COUNTIES AS DISASTER AREAS AND ANNOUNCES ADDITIONAL DROUGHT ASSISTANCE Release No. 0334.99, WASHINGTON, August 13, 1999 Agriculture Secretary Dan Glickman today declared all of Pennsylvania and 13 counties in Arizona as agricultural disaster areas due to drought. The declaration makes farmers in those areas and all contiguous counties eligible for emergency low-interest loans and other assistance to help cover losses from the drought. In Arizona, today's disaster declaration applies to Apache, Cochise, Coconino, Gila, Graham, Greenlee, Maricopa, Mohave, Navajo, Pima, Pinal, Santa Cruz, and Yavapai Counties. Also eligible, because they are contiguous, are La Paz and Yuma Counties. Glickman has already declared all or part of Arizona, Connecticut, Maryland, New Jersey, New Mexico, New York, Ohio, Pennsylvania, Virginia, and West Virginia as disaster areas. Due to the close proximity to these states, certain counties in California, Delaware, Indiana, Kentucky, Massachusetts, Michigan, Nevada, Rhode Island, Vermont, and Utah also qualify for emergency loan assistance.			AZ				8/13/1999																	URS, October 2003	y
Drought 1999-02	Natural	Drought	PCA 99006: Statewide Drought Emergency, Declared June 23, 1999: Lack of precipitation had significantly reduced surface and ground water supplies and stream flows. The drought continues to endanger crops, property and livestock of the citizens of Arizona. This proclamation has been extended to June 23, 2003, as this is still a threatening situation. USDA Programs offer Arizona Ranchers Drought Relief, (Phoenix) - Federal officials this week announced three programs designed to ease the impact of Arizona's drought on the state's ranching industry and the state's natural resources. Gov. Jane Dee Hull in June issued a drought declaration for the state, initiating a federal review process that culminated in the U.S. Department of Agriculture's determination that Arizona agriculture could qualify for drought assistance. The following are brief descriptions of the three assistance packages for which Arizona ranchers may qualify: Those ranching operations that earlier this year reduced herd sizes in response to poor pasture conditions and lack of			AZ				1999																	URS, October 2003	y
Drought 2000-01	Natural	Drought	GLICKMAN DECLARES 7 ARIZONA COUNTIES AGRICULTURAL DISASTER AREAS: Washington, July 17, 2000 - Agriculture Secretary Dan Glickman today declared seven of Arizona's 15 counties as agricultural disaster areas due to drought, making farmers in those areas and 12 neighboring counties, including counties in Utah, New Mexico and Colorado, eligible for emergency low-interest loans. "Farmers and ranchers in Arizona are experiencing real difficulties this year due to drought," said Glickman. "USDA emergency low-interest loans are available to help producers to cover some of their losses." Glickman's disaster declaration covers 7 of Arizona's 15 counties: Apache, Cochise, Graham, Greenlee, Pima, Pinal and Santa Cruz. Four other contiguous Arizona counties also are covered by the declaration (Gila, Maricopa, Navajo and Yuma) and therefore are eligible for the same benefits. Other contiguous counties in New Mexico are Catron, Cibola, Grant, Hidalgo, McKinley, and San Juan counties. San Juan county in Utah and Montezuma county in Colorado are included in the declaration as contiguous counties. This designation makes qualif			AZ				07/21/2000																	URS, October 2003	y
Drought 2000-02	Natural	Drought	PCA 99006: Statewide Drought Emergency, Declared June 23, 1999: Lack of precipitation had significantly reduced surface and ground water supplies and stream flows. The drought continues to endanger crops, property and livestock of the citizens of Arizona. This proclamation has been extended to June 23, 2003, as this is still a threatening situation. USDA Programs offer Arizona Ranchers Drought Relief, (Phoenix) - Federal officials this week announced three programs designed to ease the impact of Arizona's drought on the state's ranching industry and the state's natural resources. Gov. Jane Dee Hull in June issued a drought declaration for the state, initiating a federal review process that culminated in the U.S. Department of Agriculture's determination that Arizona agriculture could qualify for drought assistance. The following are brief descriptions of the three assistance packages for which Arizona ranchers may qualify: Those ranching operations that earlier this year reduced herd sizes in response to poor pasture conditions and lack of			AZ				2000																	URS, October 2003	y
Drought 2001	Natural	Drought	PCA 99006: Statewide Drought Emergency, Declared June 23, 1999: Lack of precipitation had significantly reduced surface and ground water supplies and stream flows. The drought continues to endanger crops, property and livestock of the citizens of Arizona. This proclamation has been extended to June 23, 2003, as this is still a threatening situation. USDA Programs offer Arizona Ranchers Drought Relief, (Phoenix) - Federal officials this week announced three programs designed to ease the impact of Arizona's drought on the state's ranching industry and the state's natural resources. Gov. Jane Dee Hull in June issued a drought declaration for the state, initiating a federal review process that culminated in the U.S. Department of Agriculture's determination that Arizona agriculture could qualify for drought assistance. The following are brief descriptions of the three assistance packages for which Arizona ranchers may qualify: Those ranching operations that earlier this year reduced herd sizes in response to poor pasture conditions and lack of			AZ				2001																	URS, October 2003	y

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Drought 2002-01	Natural	Drought	VENEMAN DESIGNATES UTAH, AND CERTAIN COUNTIES IN CALIFORNIA, ARIZONA AND NEW MEXICO AS AGRICULTURE DISASTER AREAS: Decision Allows Farmers and Ranchers to Receive Emergency Farm Loans: WASHINGTON, July 11, 2002 -- In a continued effort to expedite emergency disaster declarations in areas hit hard by adverse weather conditions, Agriculture Secretary Ann M. Veneman today designated the entire state of Utah, three counties in Arizona, three counties in New Mexico, and six counties in California as agricultural disaster areas, making farmers and ranchers in those regions immediately eligible for USDA emergency farm loans. "Farmers and ranchers in these regions have suffered from the effects of drought and other severe weather conditions," said Veneman. "We continue to examine every available USDA program to assist farmers and ranchers during these difficult conditions." Due to drought, Apache, Coconino, and Navajo counties in Arizona; Bernalillo, Cibola, McKinley, San Juan, Sandoval and Socorro counties in New Mexico; and San Juan County in Utah, where the Navajo Nation has major land h			AZ				07/11/2002															URS, October 2003	y		
Drought 2002-02	Natural	Drought	VENEMAN DESIGNATES ARIZONA AS DROUGHT DISASTER AREA, Governor Hull and Veneman Tour Fire Areas and Assess Damage in Prescott National Forest Areas: PHOENIX, Ariz., May 17, 2002-- Agriculture Secretary Ann M. Veneman today designated the entire state of Arizona as a drought disaster area. This designation makes Arizona farmers and ranchers immediately eligible for USDA emergency farm loans due to losses caused by drought this year.			AZ				05/17/2002															URS, October 2003	y		
Drought 2002-03	Natural	Drought	PCA 23001: Potable Water Emergency, Declared July 3, 2002: Due to the lack of potable water resources, Northern Arizona Counties began hauling water as wells were not meeting the current and projected potable water needs. We anticipate terminating this proclamation no later than January 2003.			AZ				07/03/2002															URS, October 2003	y		
Drought 2002-04	Natural	Drought	PCA 99006: Statewide Drought Emergency, Declared June 23, 1999: Lack of precipitation had significantly reduced surface and ground water supplies and stream flows. The drought continues to endanger crops, property and livestock of the citizens of Arizona. This proclamation has been extended to June 23, 2003, as this is still a threatening situation. USDA Programs offer Arizona Ranchers Drought Relief, (Phoenix) - Federal officials this week announced three programs designed to ease the impact of Arizona's drought on the state's ranching industry and the state's natural resources. Gov. Jane Dee Hull in June issued a drought declaration for the state, initiating a federal review process that culminated in the U.S. Department of Agriculture's determination that Arizona agriculture could qualify for drought assistance. The following are brief descriptions of the three assistance packages for which Arizona ranchers may qualify: Those ranching operations that earlier this year reduced herd sizes in response to poor pasture conditions and lack of			AZ				2002															URS, October 2003	y		
Drought 2002-05	Natural	Drought	VENEMAN ANNOUNCES EXPANSION OF CRP EMERGENCY HAYING AND GRAZING PROGRAM FOR WEATHER-STRIKEN STATES, WASHINGTON, July 11, 2002 - Agriculture Secretary Ann M. Veneman today approved 18 states for Conservation Reserve Program emergency haying and grazing statewide, making all CRP participants in these states basically eligible for this emergency measure. Veneman also said USDA will waive rental reduction fees to encourage donation of hay to farmers and ranchers in immediate need. "Drought and severe weather conditions have depleted hay stocks and grazing lands across the country," said Veneman. "This approval provides immediate relief to livestock producers and encourages donations of hay to producers who need immediate assistance." The 18 approved states are: Arizona, Colorado, Georgia, Idaho, Kansas, Minnesota, Montana, Nebraska, New Mexico, North Carolina, North Dakota, Oklahoma, South Carolina, South Dakota, Texas, Utah, Virginia and Wyoming. ARIZONA FARMERS FACING CATASTROPHE ... Arizona officials are saying that the losses from the livestock industry alone last year will be upward of \$300 million.			AZ				07/11/2002													\$300,000,000	\$300,000,000	URS, October 2003	y		
Drought 2002-06	Natural	Drought	PCA 23001: Potable Water Emergency Declared July 3, 2002 -- Due to the lack of potable water resources, Northern Arizona Counties began hauling water as wells were not meeting the current and projected potable water needs. We anticipate terminating this proclamation no later than January 2003.		Northern AZ	AZ				07/03/2002															\$80,000	\$80,000	URS, October 2003	y
Drought 2003	Natural	Drought	PCA 99006: Statewide Drought Emergency, Declared June 23, 1999: Lack of precipitation had significantly reduced surface and ground water supplies and stream flows. The drought continues to endanger crops, property and livestock of the citizens of Arizona. This proclamation has been extended to June 23, 2003, as this is still a threatening situation. USDA Programs offer Arizona Ranchers Drought Relief, (Phoenix) - Federal officials this week announced three programs designed to ease the impact of Arizona's drought on the state's ranching industry and the state's natural resources. Gov. Jane Dee Hull in June issued a drought declaration for the state, initiating a federal review process that culminated in the U.S. Department of Agriculture's determination that Arizona agriculture could qualify for drought assistance. The following are brief descriptions of the three assistance packages for which Arizona ranchers may qualify: Those ranching operations that earlier this year reduced herd sizes in response to poor pasture conditions and lack of			AZ				2003															URS, October 2003	y		
Flooding 1964	Natural	Flooding/Flash Flooding	Flood damage to homes, stores, highways and railroads. All Eloy, patients at Winslow Memorial hospital had to be evacuated.		Casa Grande, Florence, Winslow, Maricopa	AZ				8/1/1964															URS, October 2003	y		
Flooding 1970	Natural	Flooding/Flash Flooding	Rains related to tropical storm OLIVIA fell on Navajo and Pinal Counties. Holbrook was severely damaged when a broken dike flooded the city. Roads, sewers, bridges and homes were damaged. Navajo Count received funds for a bridge and for reconstruction of a river band on the Little Colorado River near Winslow. The towns of Mammoth, Winslow and Show Low all received damage. The state share alone was \$247,478.			AZ				1970							\$12,977	\$9,613,107							\$9,626,084	URS, October 2003	y	
Flooding 1971-01	Natural	Flooding/Flash Flooding				AZ				9/1/1971														\$247,478	\$247,478	URS, October 2003	y	
Flooding 1971-02	Natural	Flooding/Flash Flooding				AZ				1971								\$254,514							\$254,514	URS, October 2003	y	
Flooding 1972	Natural	Flooding/Flash Flooding	Severe flooding in Graham and Greenlee County with Clifton, Safford and Duncan hit the hardest. Levee protecting Holbrook needed emergency restoration dikes around Winslow overtopped.			AZ				10/19/1972								\$58,177	\$16,819,609						\$16,877,786	URS, October 2003	y	

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															City	County	State	Federal	Other	City	County	State	Federal	Other				
Flooding 1978-01	Natural	Flooding/Flash Flooding	DR-551 Also included Apache, Navajo, Graham, Greenlee, Yavapai, Gila, Maricopa, Pima, Mohave, Navajo Reservations: Warm temperatures accompanied heavy rain. Reservoirs behind all of the dams on the Salt and Verde Rivers filled and large amounts of water were released from the reservoirs. This was the largest flow of water down the Salt since 1891. The released water overflowed the channel and flooded residential areas and farmlands. During the same period storm fronts passing over the state caused flash flooding and destruction. Eventually Apache, Gila, Graham, Greenlee, Maricopa, Mohave, Navajo, Pima, Yavapai and the Navajo and Hopi reservation were declared a Presidential disaster area. Total damage was approximately \$60,000,000. thousands of homes were damaged and 116 homes were destroyed. More than 7,000 people had to be sheltered and four people lost their lives. Salt River has a peak flow of 122,000 cubic feet per second. Damages estimated at \$33,138,000. Storm centered over the mountains north and east of Phoenix, 35 miles north at Rock Springs. Extrapolation of intensity-probability data: 5.73 in./24 hr. 400 yr.			AZ					03/02/1978		1					\$485,718	\$67,122,627					\$41,000,000	\$108,608,345	URS, October 2003	y	
Flooding 1978-02	Natural	Flooding/Flash Flooding	10 fatalities, \$450 million property damage (combined, 2001 value). No. 4 DEMA AZ Weather Event: The floods of 1978. Following on the heels of significant flooding in spring 1978, widespread heavy rainfall from December 16-20 causes some of the costliest and widespread flooding in Arizona history. 10 people die and thousands are left homeless. Ten Arizona counties are federal disaster areas. The combined damage total from the two floods exceeds \$450 million in today's value (2001). DR-570: Second series of storms devastated ten counties; eight people died and 8,000 were forced to flee their homes. Presidential declaration. Salt River has a peak flow of 140,000 cubic feet per second. Damages estimated at \$51,800,000. Heavy storms occurred from 16-20 Dec, covering most of Arizona, from northeast to southwest and into New Mexico. Runoff from these storms was heavy in the Gila, Salt, Verde and Agua Fria Rivers. 10 in. northeast of Phoenix- Mazatzal Mountains. 5 in.-Central Mountains. Severe damage to roads and bridges. 4 deaths-countywide. \$16.3 million-public. \$5 million-agriculture. "Floods"			AZ					12/16/1978		10					\$1,909,498	\$113,561,122					\$455,000,000	\$570,470,620	URS, October 2003	y	
Flooding 1983	Natural	Flooding/Flash Flooding	Heavy rain and rapid snow melt in the Upper Colorado basin north of Arizona produced sever flooding along the Colorado River from Bullhead City to Yuma.			AZ					3/1983															URS, October 2003	y	
Flooding 1993	Natural	Flooding/Flash Flooding	93003: DR-977: Persistent El Nino established new record rainfalls and intensity throughout the state; creeks, washes, rivers migrated out of beds causing extensive erosion. Winkelman "Flats" heavily impacted with four houses lost down the Gila River and the infrastructure destroyed. Homes in Tonto Basin and Verde Lakes either severely damaged or destroyed. Bridge crossings on the lower Gila became impassable isolating families on the north side. Thousands of acres of valuable farmland was inundated destroying crops. Yuma County continues to flood from releases from Painted Rock Dam. During January and February 1993, winter rain flooding damage occurred from winter storms associated with the El Nino phenomenon. These storms flooded watersheds throughout Arizona by dumping excessive rainfall amounts that saturated soils and increased runoff. Warm temperature snowmelt exacerbated the situation over large areas. Erosion caused tremendous damage and some communities along normally dry washes were devastated. Stream flow velocities and runoff volumes exceeded historic highs. Many flood prevention channels and			AZ					01/08/1993		8	112				\$30,072,157	\$104,069,362					\$400,000,000	\$534,141,519	URS, October 2003	y	
Flooding 1995-01	Natural	Flooding/Flash Flooding	The Governor proclaimed an emergency due to flooding in Graham and Greenlee Counties			AZ					01/10/1995							\$510,789							\$510,789	URS, October 2003	y	
Flooding 1995-02	Natural	Flooding/Flash Flooding	On February 15, 1995, the Governor proclaimed an emergency due to flooding in Coconino, Gila, Maricopa, Yavapai, and Yuma Counties. The proclamation included an allocation of \$100,000 for emergency measures and recovery costs. The proclamation was amended to include Graham, Greenlee, LaPaz, Navajo, and Pinal Counties.			AZ					02/15/1995							\$1,525,663						\$100,000	\$1,625,663	URS, October 2003	y	
Flooding 2000	Natural	Flooding/Flash Flooding	Arizona 2000 Flood Emergency DR-1347 A spotter in Wickenburg reported that route 93 was closed north of Wickenburg due to high water. Sols wash was out of its banks and flooded Coffinger Park as well as nearby homes. The Vulture Mine road was closed and motorists had to be rescued. Flood water produced considerable damage to melon and cotton crops in this rural area of northwest Maricopa County. The roads around Aguila were closed for several hours.			AZ					10/23/2000							\$1,811,652	\$5,651,590					\$3,000,000	\$10,463,242	URS, October 2003	y	
Flooding 2003	Natural	Flooding/Flash Flooding	A strong low pressure system moved across the desert southwest and produced widespread heavy rainfall over portions of northern Arizona. Several locations saw record daily rainfall amounts. Some storm total rainfall amounts included: FLAGSTAFF AIRPORT 2.39" PINE 2.82" STRAWBERRY 2.88" PAYSON 2.15" COTTONWOOD 1.40" CHERRY 2.24" CROWN KING 3.20" CARRIZO 2.87" PROMONTORY (20 NE PAYSON) 4.48" ALPINE 2.37" STANTON 1.22" SUNSET POINT 1.81" OAK CREEK 2.90" Daily records set for 11/12/03 (previous record): FLAGSTAFF AIRPORT 2.00" (1.65" IN 1985) WINSLOW 0.51" (0.45" IN 1931) PAGE 0.59" (0.52" IN 1993) PRESCOTT APT 1.30" (0.04" IN 1954)			AZ					11/12/2003 - 0400 - 11/13/2003																NCDC, August 2004	y
HAZMAT 1978	Human Caused	Hazardous Materials Incident				AZ					08/06/1978							\$165							\$165	URS, October 2003	y	
HAZMAT 1981	Human Caused	Hazardous Materials Incident				AZ					03/31/1981							\$492,635							\$492,635	URS, October 2003	y	
HAZMAT 1987	Human Caused	Hazardous Materials Incident				AZ					03/31/1987															URS, October 2003	y	
Infestation 1951	Natural	Infestation	The last significant bark beetle outbreak in Arizona occurred from 1951 to 1956, unfortunately we do not have good data on how that outbreak progressed in relation to weather patterns.			AZ					1951															URS, October 2003	y	
Infestation 1952	Natural	Infestation	The last significant bark beetle outbreak in Arizona occurred from 1951 to 1956, unfortunately we do not have good data on how that outbreak progressed in relation to weather patterns.			AZ					1952															URS, October 2003	y	
Infestation 1953	Natural	Infestation	The last significant bark beetle outbreak in Arizona occurred from 1951 to 1956, unfortunately we do not have good data on how that outbreak progressed in relation to weather patterns.			AZ					1953															URS, October 2003	y	
Infestation 1954	Natural	Infestation	The last significant bark beetle outbreak in Arizona occurred from 1951 to 1956, unfortunately we do not have good data on how that outbreak progressed in relation to weather patterns.			AZ					1954															URS, October 2003	y	

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Infestation 1955	Natural	Infestation	The last significant bark beetle outbreak in Arizona occurred from 1951 to 1956, unfortunately we do not have good data on how that outbreak progressed in relation to weather patterns.			AZ				1955															URS, October 2003	y			
Infestation 1956	Natural	Infestation	The last significant bark beetle outbreak in Arizona occurred from 1951 to 1956, unfortunately we do not have good data on how that outbreak progressed in relation to weather patterns.			AZ				1956															URS, October 2003	y			
Infestation 1977	Natural	Infestation	Cotton Crop Pesticide Application			AZ				09/02/1977															URS, October 2003	y			
Infestation 1980	Natural	Infestation	AZ Executive Order 81-4: (Terminating the Declaration of a State of Emergency of June 16, 1980 (caused by the abundance of grasshoppers).			AZ				6/16/1980															URS, October 2003	y			
Infestation 1996	Natural	Infestation	Wheat (karnal bunt)			AZ				03/13/1996															URS, October 2003	y			
Infestation 1998	Natural	Infestation	§ In May 1998, a horse near Kingman, Arizona was diagnosed with Vesicular Stomatitis (VS), a contagious disease of horses and livestock. The disease looks similar to hoof and mouth disease, but does not have a high mortality rate. A widespread outbreak of VS would adversely impact the states cattle and equine industries			AZ				1998															URS, October 2003	y			
Infestation 1999	Natural	Infestation	Red Imported Fire Ant Emergency			AZ				01/20/1999															URS, October 2003	y			
Infestation 2002	Natural	Infestation	The Arizona Game and Fish Department placed an emergency ban on the importation of live hoofed animals (e.g., deer and elk) into Arizona due to a fear of Chronic Wasting Disease (CWD). CWD is a disease closely related to "mad cow disease" in cattle and scrapie in domestic sheep and goats but affects deer and elk.			AZ				5/18/2002															URS, October 2003	y			
Miscellaneous 1988	Human Caused	Miscellaneous	EUZHTS Homeless Shelter			AZ				12/21/1988																URS, October 2003	y		
Miscellaneous 1992	Human Caused	Miscellaneous	92004 State Budget			AZ				06/25/1992																URS, October 2003	y		
Miscellaneous 1992	Human Caused	Miscellaneous	Prison Break			AZ				06/10/1992																URS, October 2003	y		
Power/Utility Failure 1974	Human Caused	Power/Utility Failure	Energy Shortage			AZ				01/07/1974																URS, October 2003	y		
Power/Utility Failure 2000	Human Caused	Power/Utility Failure	Y2K			AZ				01/05/2000																URS, October 2003	y		
Prison Break 1978	Human Caused	Miscellaneous	Prison Break			AZ				11/30/1978																URS, October 2003	y		
Search and Rescue 1985	Human Caused	Miscellaneous	Mudlight Emergency Airlift of supplies			AZ				01/29/1985																URS, October 2003	y		
Search and Rescue 1988	Human Caused	Miscellaneous	Isolated Citizens Airlift EUZ7AU			AZ				02/12/1988																URS, October 2003	y		
Strike 2001	Human Caused	Strike	Copper strike			AZ				2001																URS, October 2003	y		
Terrorism 2001-01	Human Caused	Terrorism	Military Airport Security			AZ				10/16/2001																URS, October 2003	y		
Terrorism 2001-02	Human Caused	Terrorism	9/11* PCA 22002: September Terrorism Incident, Declared September 12, 2001: Terrorist attacks inflicted in various locations across the United States posed significant threat to the citizens of this country causing us to heighten the level of security throughout the State of Arizona. This proclamation has been extended to November 12, 2002. DEMA, March 6, 2003. http://www.dem.state.az.us/r2m/Current%20Open%20Disasters%20.doc			AZ				9/12/2001																	URS, October 2003	y	
Thunderstorm 1999	Natural	Thunderstorm/High Winds	17 injuries, \$2.0 million property damage. Very strong pre frontal southerly wind wrecked havoc across northern Arizona this afternoon. Early in the event, 90 mph (78kt) winds were measured at the Meteor Crater. Other peak wind gusts include 93 mph (81 kt) at the Winslow Airport, 104 mph (90kt) at the St. Johns Airport, and 60 mph (52 kt) at the Petrified Forest. The long duration of very strong winds induced large areas of blowing dust across the east central sections of the state. Interstate 40 westbound between Winslow and Holbrook and eastbound from Flagstaff to Holbrook was closed for eleven hours due to the cleanup of several car accidents and blown over semi trailers. During the height of the event, visibilities were down to zero on Interstate 40 in the vicinity of Winslow, with one traffic fatality occurring in a ten car pile up. A second fatality occurred 5 miles south of Snowflake when a passenger van was blown across the road and head on into a semi. On Navajo route 15, seventeen students were injured after their school bus went head on into a semi. Winds estimated at 100 mph had reduced vi			AZ				03/31/1999																	URS, October 2003	y	
Tropical Storm 1921	Natural	Tropical Storms/Hurricane	August 1921... the remnants of a tropical cyclone tracked northward into western Arizona from central Baja California generating rainfall of up to 2 inches in the deserts and southern mountains of southern California on the 20th and 21st. This occurred during the la nina of 1920-21.			AZ				08/1921																	URS, October 2003	y	
Tropical Storm 1935	Natural	Tropical Storms/Hurricane	August 1935... a tropical cyclone tracked northward across southern and central Baja California. The remnants spread into Arizona generating rainfall of up to 2 inches in the southern valleys...mountains...and deserts of southern California on the 25th			AZ				08/25/1935																	URS, October 2003	y	
Tropical Storm 1936	Natural	Tropical Storms/Hurricane	August 1936... a tropical cyclone tracked north northwestward across the Gulf of California with the remnants tracking northward into western Arizona. Locally heavy rainfall occurred in the mountains surrounding Los Angeles on the 9th. September 1939... four storms impacted southern California that month. The remnants of a hurricane tracked northeastward across northern Baja California into Southwest Arizona generating rainfall of up to 7 inches in the southern mountains and southern and eastern deserts of southern California on the 4th through 7th with the heaviest rain on the 5th and 6th. Blythe received more rain than would normally fall in one year and Imperial received more rain than would normally fall in two years.			AZ				08/09/1936																	URS, October 2003	y	
Tropical Storm 1939-01	Natural	Tropical Storms/Hurricane	September 1939... four storms impacted southern California that month. The remnants of a second tropical cyclone tracked northeastward across northern Baja California into Southwest Arizona. Moisture from this tropical cyclone interacted with an upper trough to the north generating rainfall of up to 4 inches in the deserts and central and southern mountains of southern California on the 11th and 12th.			AZ				08/04/1939																	URS, October 2003	y	
Tropical Storm 1939-02	Natural	Tropical Storms/Hurricane	September 1939... four storms impacted southern California that month. The remnants of a second tropical cyclone tracked northeastward across northern Baja California into Southwest Arizona. Moisture from this tropical cyclone interacted with an upper trough to the north generating rainfall of up to 4 inches in the deserts and central and southern mountains of southern California on the 11th and 12th.			AZ				08/11/1939																	URS, October 2003	y	
Tropical Storm 1970	Natural	Tropical Storms/Hurricane	23 fatalities. No. 2 DEMA AZ Weather Event: The Labor Day storm of 1970. The remains of tropical storm Norma brought severe flooding to Arizona and becomes the deadliest storm in Arizona history. There are 23 fatalities in central Arizona, including 14 from flash flooding in Tonto Creek in the vicinity of Kohl's ranch. The total rainfall at Workman Creek about 30 miles north of Globe in the Sierra Ancha mountains was 11.92 inches, with 11.40 inches in 24 hours. This remained the 24 hour rainfall record rainfall for Arizona until 1997. Other rainfall amounts included 9.09 at Upper Parker Creek, 8.74 inches at Mount Lemmon, 8.44 inches at Sunflower, 8.08 at Kitt Peak, 7.12 at the Tonto Creek fish hatchery and 7.01 inches at Crown King. Pacific tropical storm NORMA precipitated an unusual rainfall (11.5 inches in a 24-hour period). Major flooding throughout the state caused a Presidential disaster declaration. Twenty-three lives were lost. All, but four in automobiles over Labor Day Weekend (14 in Tonto Creek). Campers in Mogollon Rim area were hurt; Scottsdale had a great deal of property damage.			AZ				9/4/1970			23															URS, October 2003	y

Name	Hazard Category	Hazard	Description	Address	City	State	Zip Code	Latitude	Longitude	Date	Time	Deaths	Injuries	Displaced People	Cost to Respond					Cost to Recover					Total Cost	Data Source	Do figures include other Counties in AZ?					
															City	County	State	Federal	Other	City	County	State	Federal	Other								
HAZMAT 1995	Human Caused	Hazardous Materials Incident	DRIVER WENT OFF SR 77 INTO DITCH RUPTURED TANK - LNG SPILLED ONTO GROUND - Hazardous Material Involved: LIQUEFIED NATURAL GAS. Amount: 100 GALLONS Remedial Action: PUMPING OFF TRUCK ONTO ANOTHER TRUCK / COUNTY HAZMAT & HOLBROOK FDN SCENE SPILL IS CONTAINED - HAZMAT TEAMS ASSISTING WITH CLEANUP	SR 77 SOUTHBOUND / 7 MILES	HOLBROOK	AZ				1/13/1995	6:20 AM														\$60,000	NRC, August 2004						
HAZMAT 1997	Human Caused	Hazardous Materials Incident	350 GALLON HYDRAZINE BIN / BIN FELL OFF FORKLIFT		JOSEPH CITY	AZ				5/15/1997																		URS, October 2003				
HAZMAT 1998	Human Caused	Hazardous Materials Incident	A CRANE OVERTURNED WHILE IT WAS WORKING ALONGSIDE OF THE TRACKS CAUSING DIESEL TO SPILL FROM ITS TANK. Hazardous Material Involved: OIL, FUEL, NO. 2-D. Amount: 100 GALLONS Remedial Action: A CLEAN UP CREW WILL BE DEPLOYED.		SNOWFLAKE	AZ				5/19/1998																		URS, October 2003				
HAZMAT 2000-01	Human Caused	Hazardous Materials Incident	TANK TRUCK WAS INVOLVED IN AN ACCIDENT CAUSING A RELEASE FROM THE CARGO TANK - Hazardous Material Involved: GASOLINE, AUTOMOTIVE (UNLEADED). Amount: 2900 GALLONS Remedial Action: HOLES WERE DRILLED IN THE SIDE OF THE TRAILER PUMPED THE MATERIAL OUT / A CONTRACTOR WAS HIRED TO CLEAN UP THE SPILLED MATERIAL		PENZANCE	AZ				3/8/2000	12:00 PM			1														NRC, August 2004				
HAZMAT 2000-02	Human Caused	Hazardous Materials Incident	STUDENTS AT THE SCHOOL SECRETLY BROKE THE TIPS OFF OF MANY THERMOMETERS AT THE SCHOOL OVER SEVERAL WEEKS. APPROXIMATELY 130 STUDENTS AND FACULTY HAVE BEEN EXPOSED TO MERCURY. Hazardous Material Involved: MERCURY. Amount: UNKNOWN AMOUNT Remedial Action: THE SCHOOL AND DORM AREAS HAVE BEEN CLOSED. TESTING IS UNDERWAY. ALL OF THE CONTAMINATED CLOTHING HAS BEEN REMOVED.	MILE POST 303 I-40		AZ				3/23/2000	4:00 PM			4														NRC, August 2004				
HAZMAT 2000-03	Human Caused	Hazardous Materials Incident	Thunderstorm related winds, estimated by law enforcement officers to be between 50 to 60 mph, reduced visibility to near zero in Kayenta and Tuba City. No damage was reported. Beginning Lat, Long (36.73, 110.25) Ending Lat, Long (36.13, 111.23)	JUNCTION OF SEVEN MILE RD	FORT APACHE	AZ	85926			9/18/2000	3:00 PM			130														NRC, August 2004				
Thunderstorm 1962	Natural	Thunderstorm/High Winds	Winds measured at 51 knots.			AZ		35.00	110.68	7/17/1962	1600																		NCDC, August 2004			
Thunderstorm 1966	Natural	Thunderstorm/High Winds	Winds measured at 62 knots.			AZ		35.00	110.68	7/24/1966	1335																		NCDC, August 2004			
Thunderstorm 1977-01	Natural	Thunderstorm/High Winds	Winds measured at 52 knots.			AZ		35.03	110.70	6/4/1977	1546																		NCDC, August 2004			
Thunderstorm 1977-02	Natural	Thunderstorm/High Winds	Winds measured at 52 knots.			AZ		35.02	110.72	6/24/1977	1853																		NCDC, August 2004			
Thunderstorm 1977-03	Natural	Thunderstorm/High Winds	Winds measured at 57 knots.			AZ		35.02	110.72	8/23/1977	1600																		NCDC, August 2004			
Thunderstorm 1979	Natural	Thunderstorm/High Winds	Winds measured at 50 knots.			AZ		35.02	110.72	5/23/1979	1507																		NCDC, August 2004			
Thunderstorm 1980	Natural	Thunderstorm/High Winds	Winds measured at 50 knots.			AZ		35.02	110.72	3/6/1980	2005																		NCDC, August 2004			
Thunderstorm 1986-01	Natural	Thunderstorm/High Winds	Winds measured at 55 knots.			AZ		35.02	110.72	7/14/1986	1600																		NCDC, August 2004			
Thunderstorm 1986-02	Natural	Thunderstorm/High Winds	Winds measured at 51 knots.			AZ		35.02	110.72	7/19/1986	1635																		NCDC, August 2004			
Thunderstorm 1989	Natural	Thunderstorm/High Winds	Winds measured at 58 knots.			AZ		35.03	110.70	8/18/1989	1800																		NCDC, August 2004			
Thunderstorm 1996-01	Natural	Thunderstorm/High Winds	Thunderstorm gust recorded at the Winslow Airport		WINSLOW	AZ		35.03	110.70	9/13/1996	07:00:00 PM - 07:10:00 PM																		NCDC, August 2004			
Thunderstorm 1996-02	Natural	Thunderstorm/High Winds	Winds measured at 51 knots.		WINSLOW	AZ		35.03	110.70	9/13/1996	07:10:00 PM - 07:30:00 PM																		NCDC, August 2004			
Thunderstorm 1997	Natural	Thunderstorm/High Winds	Wind damage in Dilkon believed to be caused by strong thunderstorm gusts. Blew over a trailer home. Several other trailers receive minor damage. Broken windows were reported at the Dilkon Brantling School. No measured wind speed available.		DILKON	AZ		35.38	110.32	4/23/1997	07:30:00 PM																		\$6,000	\$6,000	NCDC, August 2004	
Thunderstorm 2003	Natural	Thunderstorm/High Winds	A roof was blown off a building in White Cone. Winds reported at 50 knots		White Cone	AZ		35.6	110.07	9/9/2003	1315 - 1330																		NCDC, August 2004			
Tornado 1960	Natural	Tornado/Dust Devils	Length=2 miles Width=200yds.			AZ		34.97	110.33	6/10/1960	1430																		NCDC, August 2004			
Tornado 1962	Natural	Tornado/Dust Devils	Fujita Tornado Scale: F0 (40-72 mph / 35-62 kts.)			AZ		34.40	110.60	10/17/1962	0810																		\$2,500	\$2,500	NCDC, August 2004	
Tornado 1973	Natural	Tornado/Dust Devils	Fujita Tornado Scale: F0 (40-72 mph / 35-62 kts.)			AZ		34.83	110.23	4/20/1973	1455																			NCDC, August 2004		
Tornado 1996-01	Natural	Tornado/Dust Devils	Tornado briefly touched down. Reported by the public and law enforcement officers. No damage reported. 17 mi. SSE of ORAIBI.			AZ		35.65	110.50	5/25/1996	08:50:00 AM - 09:00:00 AM																			NCDC, August 2004		
Tornado 1996-02	Natural	Tornado/Dust Devils	Funnel cloud reported by public and law enforcement.		ORAIBI	AZ		0.00	0.00	5/25/1996	09:10:00 AM - 09:20:00 AM																			NCDC, August 2004		
Tornado 1996-03	Natural	Tornado/Dust Devils	Funnel cloud reported by the public and law enforcement. 2 mi. NNW of SHUNGOPOVI.			AZ		0.00	0.00	5/25/1996	09:20:00 AM - 09:30:00 AM																			NCDC, August 2004		
Tornado 1996-04	Natural	Tornado/Dust Devils	Tornado touched down on the outskirts of Kayenta. A few small sheds were blown down and there was minor roof damage to out buildings. No damage estimate available. Fujita Tornado Scale: F0 (40-72 mph / 35-62 kts.) Length=0mi. Width=50yds.		KAYENTA	AZ		36.73	110.25	5/25/1996	11:15:00 AM - 11:30:00 AM																			NCDC, August 2004		
Tornado 1997-01	Natural	Tornado/Dust Devils	Off-duty NWS employee reported the touchdown of a weak tornado. 1 mi. W of HOLBROOK. Fujita Tornado Scale: F0 (40-72 mph / 35-62 kts.) Length=1mi. Width=50yds.			AZ		34.90	110.18	10/22/1997	02:15:00 PM - 02:30:00 PM																			NCDC, August 2004		
Tornado 1997-02	Natural	Tornado/Dust Devils	The public reported that two funnel clouds occurred simultaneously, about 3 miles apart, over White Mountain Lake.		WHITE MTN LAKE	AZ				10/22/1997	04:10:00 PM - 04:30:00 PM																			NCDC, August 2004		
Tornado 1998-01	Natural	Tornado/Dust Devils	An Arizona Department of Public Safety officer reported a funnel cloud in Winslow.		WINSLOW	AZ				9/5/1998	05:10:00 PM - 05:20:00 PM																			NCDC, August 2004		
Tornado 1998-02	Natural	Tornado/Dust Devils	Snowflake police officers and members of the general public reported a funnel cloud. 5 mi. W of SNOWFLAKE.			AZ				12/2/1998	02:50:00 PM - 03:00:00 PM																			NCDC, August 2004		
Tornado 2001-01	Natural	Tornado/Dust Devils	A tornado was seen by an off duty NWS employee three miles south of Holbrook near the intersection of Routes 377 and 77. The tornado was on the ground for 5 minutes. Fujita Tornado Scale: F0 (40-72 mph / 35-62 kts.) Length=1mi. Width=1yds.		HOLBROOK	AZ		34.90	110.17	8/29/2001	01:35:00 PM - 01:50:00 PM																			NCDC, August 2004		
Tornado 2001-02	Natural	Tornado/Dust Devils	A funnel cloud was reported by an employee at a Show Low radio station. The funnel cloud extended half way to the ground near Porter Mountain.		SHOW LOW	AZ				8/29/2001	11:10:00 PM																				NCDC, August 2004	
Tornado 2001-03	Natural	Tornado/Dust Devils	A tornado touched down about 5 miles north of Snowflake. The tornado was first seen at 935 AM MST then a Sheriff Deputy watched the tornado until it lifted at 1003 AM MST. The tornado remained in a rural area and no damage was reported. Fujita Tornado Scale: F0 (40-72 mph / 35-62 kts.) Length=3mi. Width=1yds.		SNOWFLAKE	AZ		34.50	110.08	9/16/2001	09:35:00 AM - 10:03:00 AM																				NCDC, August 2004	
Tornado 2001-04	Natural	Tornado/Dust Devils	A tornado was seen 15 miles west of Snowflake. No damage was reported. Fujita Tornado Scale: F0 (40-72 mph / 35-62 kts.) Length=1mi. Width=1yds.			AZ		34.50	110.08	9/16/2001	10:25:00 AM																				NCDC, August 2004	
Tornado 2003-01	Natural	Tornado/Dust Devils	A weak tornado formed along a convergence zone about one mile west of Winslow. The tornado was nearly stationary and remained in rural areas for about 30 minutes. Fujita Tornado Scale: F0 (40-72 mph / 35-62 kts.) Length=1mi. Width=10yds.		Winslow	AZ		35.03	110.70	6/17/2003	1150 - 1220																				NCDC, August 2004	
Tornado 2003-02	Natural	Tornado/Dust Devils	Sheriff deputy reported seeing multiple descending/ascending funnel clouds west of Snowflake			AZ				8/14/2003	1745																				NCDC, August 2004	
Tornado 2003-03	Natural	Tornado/Dust Devils	Tornado reported 50 miles northeast of Heber. Fujita Tornado Scale: F0 (40-72 mph / 35-62 kts.)			AZ		34.43	110.60	8/15/2003	0830																				NCDC, August 2004	
Tornado 2003-04	Natural	Tornado/Dust Devils	The public and Law Enforcement observed a tornado on the ground near White Cone. A spotter reported damage to a fence, windmill, and trees. Fujita Tornado Scale: F0 (40-72 mph / 35-62 kts.)			AZ		35.6	110.07	10/3/2003	1645 - 1700																				NCDC, August 2004	
Tornado 2004	Natural	Tornado/Dust Devils	A Law Enforcement officer reported a funnel cloud from Cibecue.		Cibecue	AZ				4/10/2004	1240																				NCDC, August 2004	
Transportation 1993	Human Caused	Transportation Accident	TRESPASSER WAS STRUCK AND KILLED BY TRAIN		WINSLOW	AZ				11/21/1993	9:50 PM			1																NRC, August 2004		
Transportation 1995	Human Caused	Transportation Accident	TRAIN # HBKAC131 STRUCK A PEDESTRIAN / TRAIN SPEED UNKNOWN / TRAIN DIRECTION EASTBOUND	MP 253.1	HOLBROOK	AZ				9/2/1995	12:35 AM			1																NRC, August 2004		
Transportation 1996-01	Human Caused	Transportation Accident	FREIGHT TRAIN STRUCK A PEDESTRIAN AT A GRADE CROSSING	NAVAJO BLVD	HOLBROOK	AZ				5/5/1996	7:15 PM			1																NRC, August 2004		
Transportation 1996-02	Human Caused	Transportation Accident	TRAIN PEDESTRIAN COLLISION: TRAIN DIRECTION EAST / TRACK SPEED 60 MPH UNK TRAIN SPEED	GALLUP SUBDIVISION	HOLBROOK	AZ				6/13/1996	11:10 PM			1																NRC, August 2004		
Transportation 1996-03	Human Caused	Transportation Accident	CALLER STATES THAT THERE HAS BEEN A TRESPASSER FATALITY	MILE 315.1	HOLBROOK	AZ				12/8/1996	2:05 AM			1																NRC, August 2004		
Transportation 1999	Human Caused	Transportation Accident	FREIGHT TRAIN TRAVELING EAST STRUCK AN AUTOMOBILE / TRAIN MAKE UP: 70 LOADS / 5 ENGINES	12 RR MILES EAST OF	HOLBROOK	AZ				5/26/1999	11:25 PM			1	1															NRC, August 2004		
Wildfire 1989-01	Natural	Wildfire	400 acres burned.			AZ				06/05																						