

A Societal Impacts Climatology For The Las Vegas CWA

Part II – Fatalities and Injuries Associated With Weather

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With the increasing emphasis in the National Weather Service on societal impacts, it was decided to compile a climatology – essentially a list – of weather events in the current Las Vegas, NV County Warning Area (CWA) that caused deaths or injuries to people. This climatology was based upon the current CWA as of 2011 which includes all of Clark, Lincoln and Esmeralda Counties in Nevada, the central and southern portions of Nye County, Nevada, all of Mohave County, Arizona, all of Inyo County, California and the most of the desert portions of San Bernardino County, California.

Events were largely obtained from *Storm Data and Unusual Weather Phenomena* from both the web database available from NOAA's National Centers for Environmental Information (NCEI) and from paper copies for years and months that were not in the web database back to 1959. Prior to that year, storm events were published by the National Weather Service (then U.S. Weather Bureau) in a section of *Climatological Data National Summary*. This publication was analyzed back to 1950 to compile events from the 'Storm Data' section in it. Prior to 1950, events were published in *Monthly Weather Review* which was published then by the U.S. Weather Bureau. Online versions of hard copies of *Monthly Weather Review* were obtained from the American Meteorological Society website and date back to 1872.

While *Storm Data* is the official publication of the National Weather Service which lists damage information about storms and the deaths and injuries associated with them, this publication has been shown in several studies conducted by other authors over the years not to be a full proof guide to damaging events in an area. Prior to the mid 1990s data from the counties that comprises the current NWS Las Vegas CWA were entered into Storm Data by National Weather Service forecast offices in Reno, Phoenix and Los Angeles. For unknown reasons, a number of events that occurred in the Las Vegas area that have caused deaths and injuries were not documented at all in *Storm Data* prior to the mid 1990s. These events were obtained from news articles published in the *Las Vegas Review-Journal* and the *Las Vegas Sun* on microfilm at the University of Nevada, Las Vegas. Original copies of the *Kingman Daily Miner* were obtained through a search of Google News on the internet and also analyzed for information. Pictorial and written evidence in these articles listed deaths and injuries that were used to supplement the official reports obtained from *Storm Data*. A report titled *History of Flooding, Clark County, Nevada 1905-1975* that was prepared by the United States Department of Agriculture in cooperation with the Clark County Conservation District, the City and County Entities of Clark County, Nevada and the Nevada Division of Water Resources in 1977 was reviewed and listed several older events that were not in any National Weather Service publication. Another source used for identifying deaths and injuries associated with damaging weather events prior to 1950 were various editions of the *Climatological Data* publication which is published monthly for Nevada, Arizona and California and listed events in a narrative section contained in each respective state's section. It should be noted that due to less detailed records prior to 1950, it is possible some events occurred that were not captured in this study.

Deaths due to hot and cold weather are believed to be largely underreported in this study due to the reporting methodologies used to gather such information. In 2010, 23 people died in Clark County, Nevada alone from heat, more than from any other weather type. Prior to 1993, there are no deaths listed in Clark County, Nevada due to heat in the official *Storm Data and Unusual Weather Phenomena* publication from the National Weather Service. Even given the tremendous population growth that has taken place in Las Vegas from 1990 through 2010, the lack of reports listed due to the heat or cold is suspect. From 1993 through 2006, deaths due to heat published in *Storm Data and Unusual Weather Phenomena* were largely obtained from newspaper and broadcast media reports. Even numbers from this time period in *Storm Data and Unusual Weather Phenomena* are believed to be an undercount. For example, no deaths were listed in 2005, despite a period in mid-July where Las Vegas tied its highest temperature ever and recorded its' warmest low temperature ever. In 2007, the Clark County Coroner's Office began sending a list of deaths to the National Weather Service in Las Vegas. Starting that summer, a noted spike can be seen in the official death totals listed in *Storm Data and Unusual Weather Phenomena* due to heat. To remedy the lack of official reports in *Storm Data and Unusual Weather Phenomena* due to heat, reports from the Clark County Coroner's Office were obtained from a study done by former NWS Las Vegas Warning Coordination Meteorologist Andy Bailey. This allowed for additional reports not counted in official death totals as far back as 1991 and as recently as August 2006. Thus, this significantly added to the official death total counted in *Storm Data and Unusual Weather Phenomena* due to heat. Additional deaths and injuries due to heat not counted in the official database were obtained from the records of the National Park Service for Death Valley National Park (and previously when it was Death Valley National Monument) back to 1976. It should be noted that no information on heat related deaths was found by the Park Service for 1977-1981, 1989-1990, 1992, 1996 and 2007. A significant increase in deaths and injuries due to heat in Death Valley can be found since 1993, which may be due to changes in reporting methods. Another source of heat deaths for Arizona came from a report titled *Deaths From Exposure To Excessive Natural Heat Occurring In Arizona 1992-2009*. This report gave additional heat deaths not initially counted in *Storm Data and Unusual Weather Phenomena*. However in most cases, only the number of deaths by year were known and no additional information such as date and year were available. Therefore these deaths were added into tables where they could, but in some cases such as a monthly breakdown of deaths due to heat they were omitted.

Reporting of deaths and injuries due to weather events can be, at times, a subjective measure. This is especially true with respect to vehicle accidents in which weather was considered a factor. Conditions such as the speed at which a vehicle was traveling could have played a role in the accident as much as if not more than the weather conditions at the time of the accident. Police on the scene are often the ones who determine the primary information at an accident. Deaths due to hot and cold weather can also be subjective as a combination of socio-economic conditions, a person's health history as well as the activity they were engaged in prior to their death may have played a bigger role in them failing than the temperature at the time they succumbed to the elements. For example, in Las Vegas each year coroner reports indicate several deaths where an individual died on a hot day and was also linked to having used alcohol. Since 2007, these reports are not counted in official death statistics by the National Weather Service in Las Vegas as alcohol is believed to be a bigger cause of their death than the heat.

In older reports, sometimes events were listed as “several people killed” or “several people injured” but had a specific date and location. Given the report’s usefulness in helping to add to the database, rather than remove it, these reports were counted as two people being killed or two people injured. Such events are noted by an asterisk in the tables.

This list is valid through December 2015.

List of Fatalities and Injuries

Flooding, Flash Flooding, Heavy Rain and Landslides

Date	County	Number Dead	Number Injured	Cause	Description
January 1, 1910	Lincoln	1	0	River Flood	Meadow Valley Wash Flood 1 person swept off railroad tracks and drowned <i>1 person missing – status unknown</i>
August 2, 1912	Clark	0	1	Landslide	Near Banding/Rose Well Area 1 injured when train derailed due to landslide
September 13, 1913	Esmeralda	2	0	Flash Flood	Goldfield Flash Flood 2 drowned
June 10, 1932	Clark	2	0	Flash Flood	Boulder City 2 drowned
September 11, 1939	Clark	0	3	Flash Flood	30 miles northeast of Las Vegas 3 injured when their vehicle that became stuck in floodwaters was struck by another vehicle
September 13, 1939	San Bernardino	?	0	Flash Flood	Needles Flash Flood <i>1 person missing</i>
October 5-8, 1945	Inyo	2*	0	Flash Flood	Owens Valley several people killed in traffic accidents or downed by rushing water
July 24, 1946	Clark	1	0	Flash Flood	Mesquite area Between Mormon Mesa and River Bridge
August 1, 1949	Clark	0	3	Heavy Rain	Las Vegas Accident due to heavy rain from thunderstorm.
July 24, 1956	Clark	0	3	Flash Flood	Las Vegas Valley 3 injured in freight from the Blue Diamond Mine derailed in southwest valley
November 11, 1958	Clark	0	6	Heavy Rain	Las Vegas Valley 6 injured in car accidents on slippery roads
August 17, 1959	San Bernardino	4	0	Flash Flood	Eastern Mojave Desert 4 dead railroad employees

	County				on Santa Fe Grand Canyon rail line
December 24, 1959	Clark	0	7	Heavy Rain	Las Vegas Valley 7 minor injuries on slick roads due to heavy rain
August 20, 1961	Clark	0	2	Heavy Rain	Las Vegas Valley 2 injured boys from accident on wet roads
April 4, 1965	Clark	0	6	Heavy Rain	Las Vegas Valley 6 injured in car accidents due to wet roads
May 20, 1966	Clark	0	6	Heavy Rain	Las Vegas Valley 6 injured in accidents from thunderstorm rains
December 5-6, 1966	Clark	1	2	Flash Flood	Calico Basin 1 person drowned 2 injured
June 19, 1967	Clark	1	0	Flash Flood	Las Vegas 1 boy dead
January 25, 1969	Clark	0	2**	Heavy Rain	Las Vegas Many injuries from accidents due to wet roads.
August 13, 1972	Clark	1	4	Heavy Rain	Las Vegas Valley 1 dead in Henderson from car accident due to wet roads 4 injured (2 of these critically) in the Las Vegas Valley from accidents due to wet roads
July 19, 1974	Mohave	3	14	Flash Flood	Lake Havasu City 3 dead from flash flood 1 injury from flash flood 13 others injured from flash flooding or thunderstorm winds (not specified in <i>Storm Data</i>)
September 14, 1974	Clark	9	0	Flash Flood	Eldorado Canyon/Nelson's Landing At least 9 dead.
September 25, 1974	Mohave	0	1	Heavy Rain/Flooding	Bullhead City 1 injury from a driver who lost control of their car and skidded into a house
July 3, 1975	Clark	2	0	Flash Flood	North Las Vegas 2 men dead from flash flooding after they were

					swept away "Caesars Palace" Flood Event
September 16, 1975	Clark	1	0	Flash Flood	Las Vegas 1 boy died after falling into culvert and drowning
August 10, 1981	Clark	0	1	Flash Flood	Moapa 1 injured
September 6, 1981	Mohave	0	2	Flash Flood	Near Yucca 2 injured in a car when I-40 washed out and collapsed part of the road
July 22, 1984	Clark	2	1	Flash Flood	Las Vegas 2 killed when automobile became trapped in intersection and overturned 1 injured
August 15, 1984	Clark	0	1	Flash Flood	Las Vegas 1 girl critically injured by floodwaters
September 10, 1984	Clark	5	0	Flash Flood	Las Vegas 5 people killed when they tried to cross a road in a pick-up truck
August 20, 1988	San Bernardino	1	8	Thunderstorm Rain/Visibility	4 miles north of Barstow 1 dead and 8 injured in an accident
June 10, 1990	Clark	2	0	Flash Flood	Las Vegas 2 drivers killed when their cars were swept away by floodwaters
September 5, 1990	San Bernardino	0	1	Flash Flood	Yucca Valley 1 injured motorist who was trapped in car that was submerged
October 24, 1992	Clark	1	0	Flash Flood	Las Vegas 1 man was killed near the mouth of Las Vegas Wash while fishing
March 12, 1995	Nye	0	1	Flash Flood	Near Yucca Mountain 1 man injured. A Department of Energy worker tried to cross a flooded wash in his pick-up truck and was swept away

August 23, 1995	Clark	1	0	Flash Flood	Las Vegas 1 man swept to his death after being caught under a bridge
July 14, 1996	Clark	0	1	Flash Flood	Mt Charleston 1 injured hiker from flash flood in Kyle Canyon
August 9, 1997	Mohave	1	4	Flash Flood	Kingman 1 dead woman in sewer drain 4 injured from car in flooded wash
August 9, 1997	Mohave	0	116	Flash Flood	East of Kingman Amtrak Train derailment injured 116 people, 8 of which were critical
August 10, 1997	Clark	1	4	Flash Flood	Henderson 1 man drowned to death in vehicle 4 injured in vehicles stuck in floodwaters
August 10, 1997	Clark	0	1	Flash Flood	Boulder City 1 injured man in drainage culvert
August 28, 1997	Clark	0	1	Flash Flood	Boulder City 1 boy caught in drainage ditch and injured
September 1, 1997	San Bernardino	0	2*	Flash Flood	Near Twenty-Nine Palms Unknown number of injured motorists
September 3, 1997	Nye	1	0	Flash Flood	Pahrump 1 man died (indirect) after he walked towards his home after being stuck due to the flood. He collapsed while walking.
September 25, 1997	Clark	1	1	Heavy Rain	Railroad Pass 1 man died and his wife was critically injured when their car skidded into a tractor trailer.
July 9, 1998	Clark	0	1	Flash Flood	Henderson 1 injured
July 20, 1998	Clark	1	0	Flash Flood	Las Vegas 1 man died of a heart attack while trying to be rescued

					from a flooded car
April 30, 1999	Clark	0	1	Flash Flood	Las Vegas 1 person rescued from Flamingo Wash
July 8, 1999	Clark	2	0	Flash Flood/Heavy Rain	Las Vegas 1 dead homeless man in Flamingo Wash 1 dead due to accident from slick roads
July 12, 1999	San Bernardino	1	0	Flash Flood	Twenty-Nine Palms 1 marine killed from flash flood after being thrown from a vehicle and swept away
August 29, 2000	San Bernardino	0	3	Flash Flood	Yucca Valley 3 injured in cars stuck in floodwaters
November 30, 2002	Clark	1	1	Flash Flood	Las Vegas 1 homeless person died and 1 was injured in a flood control channel
August 20, 2003	San Bernardino	0	20	Flash Flood	Yucca Valley 20 injured people trying to cross flooded roads in their cars
August 26, 2003	San Bernardino	3	0	Flash Flood	Twenty-Nine Palms 3 died after a car was swept off the road (2 in the car and 1 person trying to rescue them)
September 3, 2003	Mohave	0	1	Flash Flood	Lake Havasu City 1 woman swept off road in a car and was injured
August 15, 2004	Inyo	2	0	Flash Flood	Death Valley 2 died on Highway 190 after being caught in floodwaters
January 3, 2005	Mohave	1	2	Heavy Rain	Nothing 1 teenager died and two were injured from a vehicle rollover due to heavy rain
July 6, 2006	Clark	0	2	Flash Flood	Near Boulder City 2 injured from an accident triggered by water and debris on Highway 93
July 24, 2007	Mohave County	2	0	Flash Flood	Mohave County 2 men drowned when

					trying to cross a flooded wash
July 12, 2008	Inyo	0	1	Landslide	Independence Area 1 injured when they were swept downhill
August 25, 2008	San Bernardino	1	0	Flash Flood	Earp 1 woman died after floodwaters entered a wash she was driving through
January 20, 2010	Clark	1	0	Heavy Rain	Las Vegas 1 man dead from accident on wet road
July 3, 2011	Clark	0	1	Flash Flood	Las Vegas 1 man in a wash suffered minor injuries
July 13, 2012	Mohave	1	0	Flash Flood	Lake Havasu City 1 man drowned when a car was swept down a wash
August 22, 2012	Clark	1	0	Flash Flood	Henderson A 17 year old boy was killed when he fell into a wash
August 22, 2012	Clark	0	2	Heavy Rain	Laughlin Area An accident caused a vehicle to lose control which struck 2 other vehicles. 1 elderly female was transported to the hospital and another person was injured.
September 11, 2012	Clark	1	0	Flash Flood	Las Vegas 1 man (a landscaper) died after floodwaters swept him off of affront end loader at a golf course
August 25, 2013	San Bernardino	1	0	Flash Flood	Highway 95 1 woman died when her vehicle was swept away by floodwaters
November 21-23, 2013	Clark	1	60	Heavy Rain	Las Vegas 1 53 year old male died (indirect) due to an accident on a wet road 60 people were injured across the Las Vegas valley due to accidents
February 28, 2014	Clark	0	8	Heavy Rain	Las Vegas 8 indirect injuries from

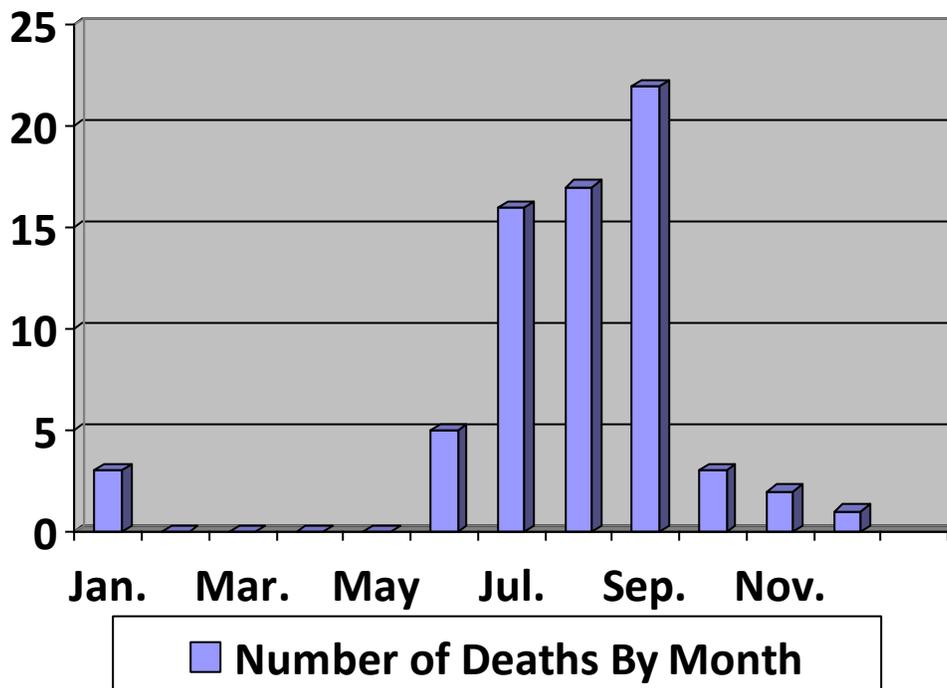
					vehicle crashes due to wet roads
July 6, 2014	Mohave	1	3	Heavy Rain	Near Golden Valley An 80 year old woman was killed and 3 people were injured when the driver lost control of their car (indirect).
September 8, 2014	Clark	0	1	Flash Flood	Moapa 1 male was injured when he tried to save occupants in a vehicle being washed down I-15 in a drop
September 16, 2014	San Bernardino	1	0	Flash Flood	Joshua Tree 1 man died when his vehicle was swept down a flooded wash
December 2, 2014	Clark	0	18	Heavy Rain	Las Vegas Valley Rain caused 30 vehicle accidents with 18 minor injuries.
January 11, 2015	Clark	0	43	Heavy Rain	Las Vegas Rain caused 143 vehicle crashes with 43 injuries.
January 26, 2015	San Bernardino	0	2	Heavy Rain	Morongo Basin Rain, low clouds and fog led to 4 car crashes with 2 injuries.
January 30, 2015	Clark	0	9	Heavy Rain	Las Vegas Rain caused 50 vehicle crashes with 9 injuries.
March 2, 2015	Clark	0	1	Heavy Rain	Las Vegas Wet roads contributed to a road accident indirectly causing 1 minor injury.
June 10, 2015	Inyo	0	2	Heavy Rain	Darwin Area A traffic collision injured 2 people.
June 14, 2015	Clark	0	7	Heavy Rain	Las Vegas Several vehicle accidents resulted in 7 indirect injuries.
July 15, 2015	Mohave	0	1	Heavy Rain	Lake Havasu City 1 indirect injury from a vehicle accident with wet roads

September 14, 2015	Mohave	1	0	Flash Flood	Arizona Strip A 33 year old man died on a back road when floodwaters swept away his vehicle
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* Listed as several people killed.

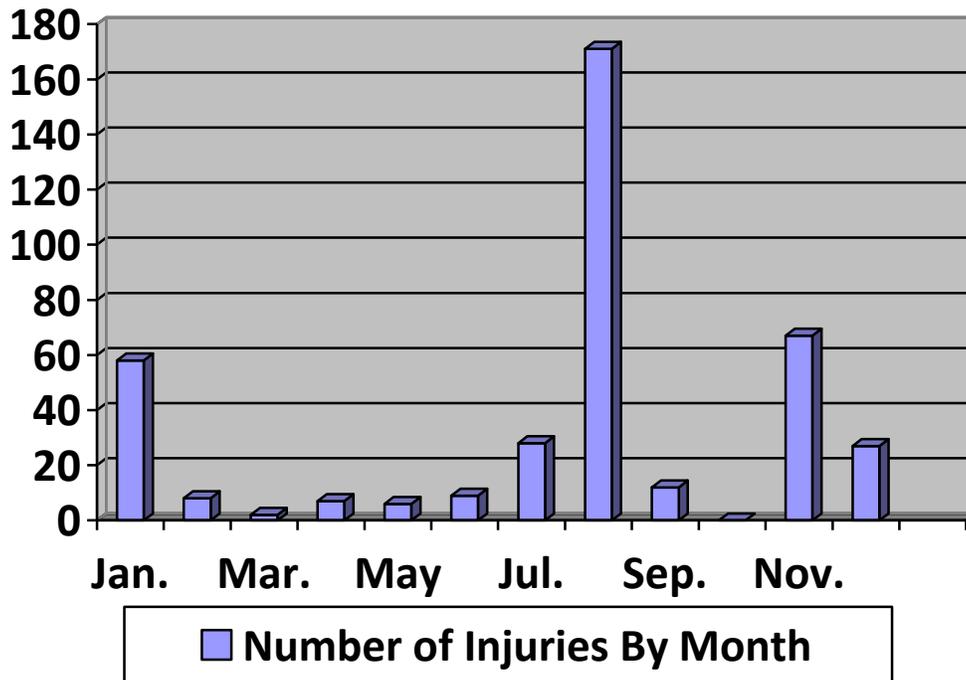
** Listed as several people injured.

Number of Deaths By Month In The Las Vegas CWA Due To Hydrologic Issues



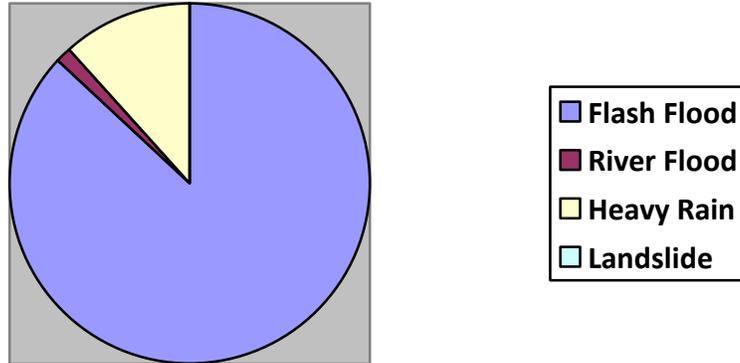
The above graph shows the number of deaths by month due to flash floods, river floods, heavy rain and landslides. There are a total of 69 deaths that have been directly or indirectly caused by these weather phenomena in the Las Vegas National Weather Service Office CWA. The leading month was September with 22 deaths, followed by August with 17. Overall a noted spike can be seen in association with the summertime convective season when the monsoon occurs. A second active period occurs from November into January associated with cold season precipitation events that produced heavy precipitation across the area. Many of these were during atmospheric river set ups across the area. The deadliest event across the area from any of these four types of weather was the Eldorado Canyon Flash Flood of September 14, 1974 which killed 9 people.

Number of Injuries In The Las Vegas CWA Due To Hydrologic Events



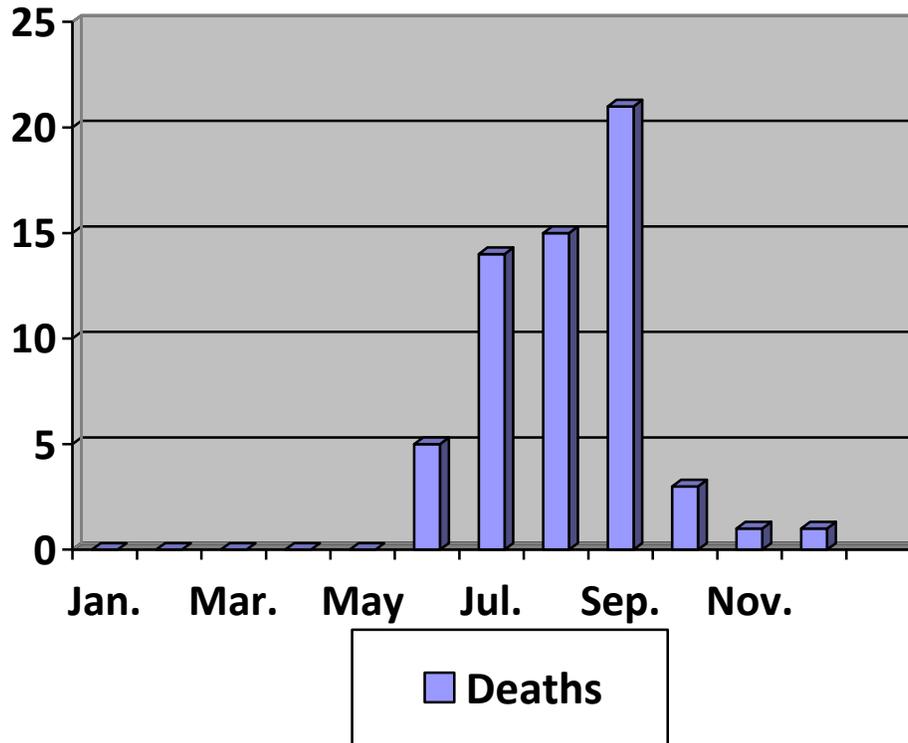
The graph above shows the number of injuries across the Las Vegas National Weather Service CWA due to flash floods, river floods, heavy rain and landslides. The leading month was August across the area. Although the month of August had the two largest events for injuries due to flash flooding – 116 people injured in a train derailment near Kingman, Arizona on August 9, 1997 and 20 people injured in flash flooding in Yucca Valley, California on August 20, 2003, even removing these two events would still show a total of 35 injuries in August. This is still above the next leading month's total of 67 injuries during November. September, while the leading month for fatalities due to hydrologic issues, only had 12 injuries placing it fourth. A notable uptick can be seen in November, December and January when typically the first major cold season storm system takes place. Most of these injuries were due to accidents in heavy rain and likely due to slick pavements that often come with the first washing off of oil and dirt on area roads following the fall dry season as well as an adjustment by people to driving in wet weather for the first time in several weeks or months.

Number of Deaths By Type of Hydrologic Issue In The Las Vegas CWA

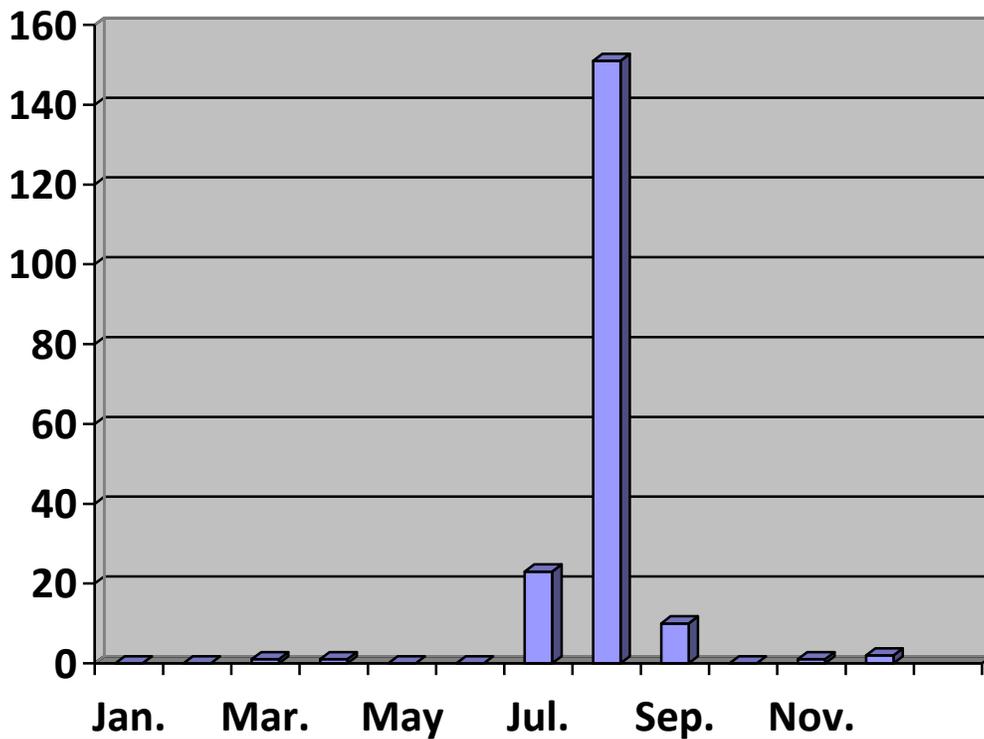


The graph above shows the number of deaths by the type hydrologic issue. Flash flooding has caused the most deaths with 60. There have been 8 deaths linked with heavy rain and 1 due to river flooding. No deaths have ever been linked to a landslide.

Number of Deaths By Month Due To Flash Floods In The Las Vegas CWA



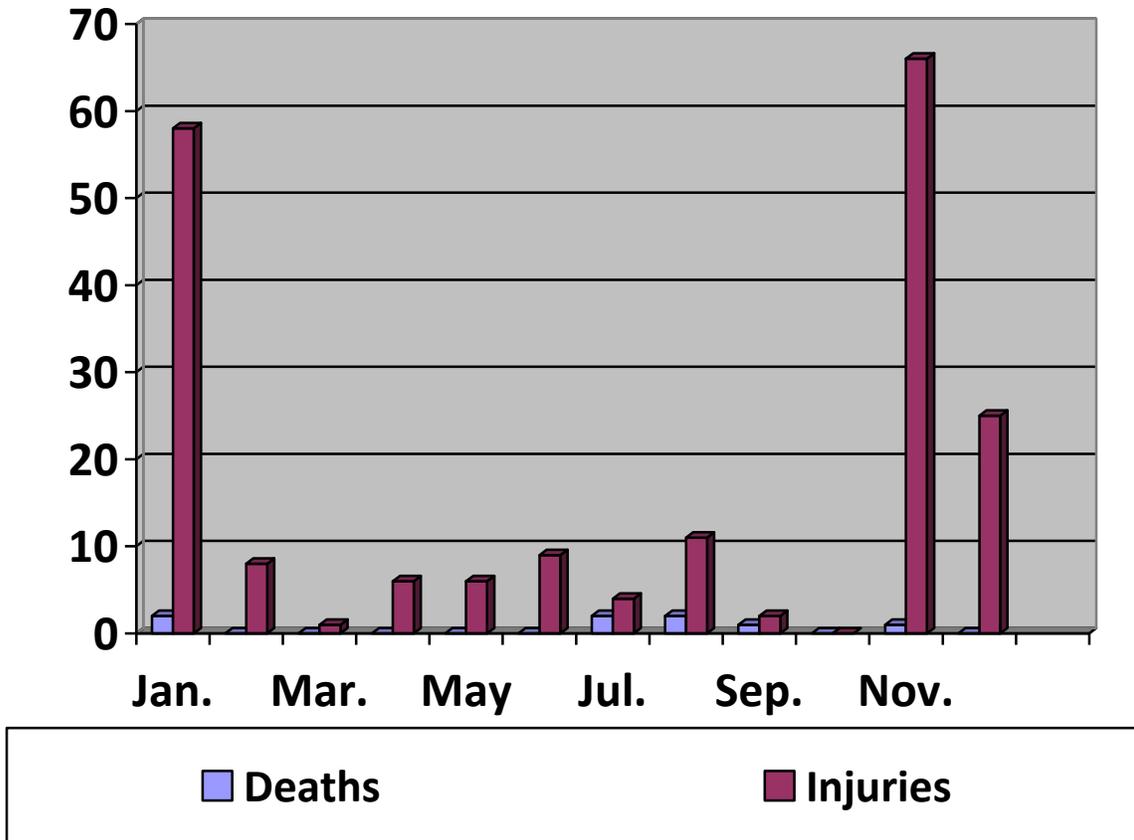
The graph above shows the number of deaths by month due to flash flooding in the Las Vegas CWA due to flash floods. As seen above, even when totaled with other hydrologic events, a notable uptick occurs in the summer convective season associated with the monsoon. September remains the leading month with 21 deaths.



■ Number of Injuries By Month Due To Flash Floods

Again, as was seen with flash flood deaths, there is a marked increase in the summer convective season with flash flood deaths in the Las Vegas National Weather Service CWA. August remains the leading month with 151 injuries, followed by July with 23. Only the months of February and May have never had any deaths or injuries linked to flash flooding in the Las Vegas CWA.

Number of Deaths and Injuries By Month Due To Heavy Rain Events In The Las Vegas CWA



The above graph shows the number of deaths and injuries by month due to heavy rain in the Las Vegas CWA. Unlike flash floods, there is not as much of a cluster, especially for deaths, in the warm season convection months. A spike in injuries can be noted in the month of August. However, there is also a large cluster of injuries in the November through January period which as stated above seems to correlate to vehicle accidents due to slippery roads caused by a oil and dirt building up and then being washed off by the first heavy cold season rain event or drivers getting in accidents due to the adjustment of driving in wet weather.

Due to their relatively small numbers, not graphed were the two injuries due to landslides. They both took place in the summer months with one each in July and August. Only one river flood death has ever been documented which was in January 1910.

Reviewing the overall list above shows a number of reasons for people dying or being injured by flash flooding, river flooding, landslides or heavy rain. Train derailments appear to be one of the leading causes of deaths and injuries. The large number of people on a train at one time easily puts more people at risk. People driving vehicles into flooded roads and especially washes as well as vehicles with a person in them in an area that quickly flooded also showed up as a frequent association with death or injury. Several other flash flood deaths and injuries revolved around people, typically homeless, who were wandering in drainage basins or channels as well as washes. Children playing in storm drains also resulted in a few flash flood deaths. All heavy rain events linked to death or injury dealt with vehicle accidents.

Thunderstorm Wind

Date	County	Number Dead	Number Injured	Cause	Description
September 1, 1922	San Bernardino	2*	0	T-storm Wind	Needles several persons dead due to thunderstorm winds.
November 11, 1958	Clark	1	0	T-storm Wind	North Las Vegas 58 year old man died from heart attack cleaning debris from his home from a thunderstorm's wind
August 1, 1959	Clark	0	5	T-storm Wind	Indian Springs 5 injured from flying glass
September 16, 1961	Clark	1	31	T-storm Wind	Las Vegas Valley one man electrocuted from fallen power line 31 injured (including 1 serious from a fallen antenna), others from flying glass and debris
September 18, 1966	Clark	0	2	T-storm Wind	Las Vegas Valley 1 injured when mobile homes overturned by thunderstorm winds and 1 from flying glass
August 9, 1967	Clark	0	2**	T-storm Wind	Las Vegas Valley Several people injured from glass from windows broken by thunderstorm winds
August 3, 1973	Clark	0	1	T-storm Wind	Lake Mead/Echo Bay 1 person injured
August 12,	Clark	1	0	T-storm	Lake Mead

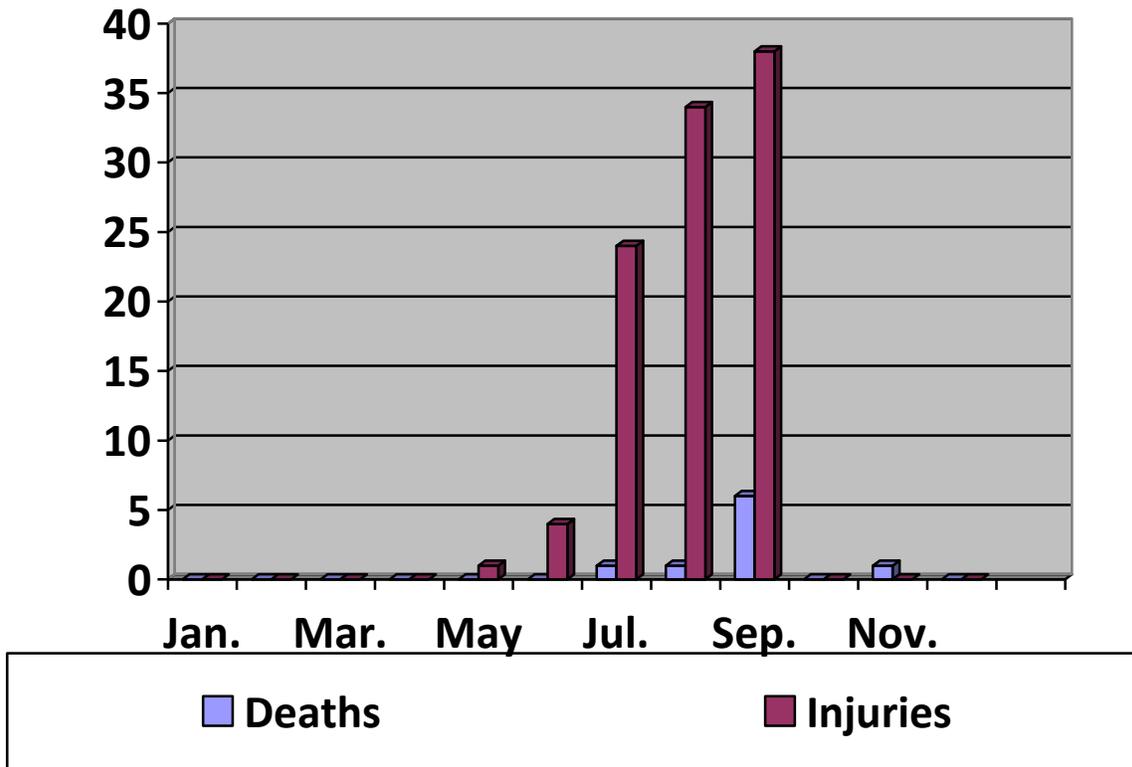
1973				Wind	1 man killed after they drowned on Lake Mead from a boat that was capsized by thunderstorm wind
July 24, 1976	Mohave	0	8	T-storm Wind	Kingman 8 injured during a thunderstorm (one confirmed due to wind from flying debris, details of other 7 not listed in <i>Storm Data</i>)
August 10, 1981	Clark	0	6	T-storm Wind	Las Vegas 79 year old man treated for injuries from broken glass at UNLV athletic building 49 year old man was hit on the head by a wooden sign outside the Stardust Another 4 people also suffered storm related injuries
July 31, 1983	Mohave	0	1	T-storm Wind	Lake Havasu City 1 injured from flying debris
September 27, 1985	Clark	2	0	T-storm Wind	Lake Mead 2 men drowned after their boat overturned
May 29, 1986	Clark	0	1	T-storm Wind	Kingman 1 man injured in mobile home
September 3, 1990	Clark	1	1	T-storm Wind	Lake Mead 1 killed and 1 injured when thunderstorm winds capsized a boat
June 29, 1994	San Bernardino	0	4	T-storm Wind	Yucca Valley 4 injured when thunderstorm winds picked up a shed and threw it on them
July 18, 1994	Clark	0	10	T-storm Wind	Las Vegas 10 minor injuries from flying glass and debris “Hilton sign” Thunderstorm Event
August 7, 1998	Clark	0	1	T-storm Wind	Lake Mead 1 injured when a boat capsized from wind
August 29, 1998	Mohave	0	7	T-storm Wind	Lake Havasu City 7 injured by flying glass
August 16, 2000	Mohave	0	1	T-storm Wind	Lake Havasu City 1 injured in a mobile home from being struck by a flying toilet

August 12, 2001	Mohave	0	1	T-storm Wind	Kingman 1 injured after being hit by flying debris
July 12, 2002	Mohave	0	4	T-storm Wind	Kingman 4 people injured by flying debris
July 15, 2004	Clark	1	0	T-storm Wind	Lake Mead 1 woman drowned after a plastic raft tipped over
September 4, 2009	Mohave	0	4	T-storm Wind	Riviera/Mohave Valley 4 injured in mobile homes that were blown over
July 10, 2011	Clark	0	1	T-storm Wind	Las Vegas 1 boy injured by flying glass and debris when a window broke in his apartment
August 9, 2012	Clark	0	8	T-storm Wind	Laughlin 8 people were injured at the Riverside Casino when an eight by twelve foot glass window was blown in
September 4, 2012	Clark	0	1	T-storm Wind	Mohave Valley 1 person was injured when the front window was broken at a store
August 12, 2014	San Bernardino	0	1	T-storm Wind	Needles 1 person was injured when a hotel roof collapsed

* Listed as several people killed.

** Listed as several people injured.

Number of Deaths and Injuries By Month Due To Thunderstorm Winds In The Las Vegas CWA



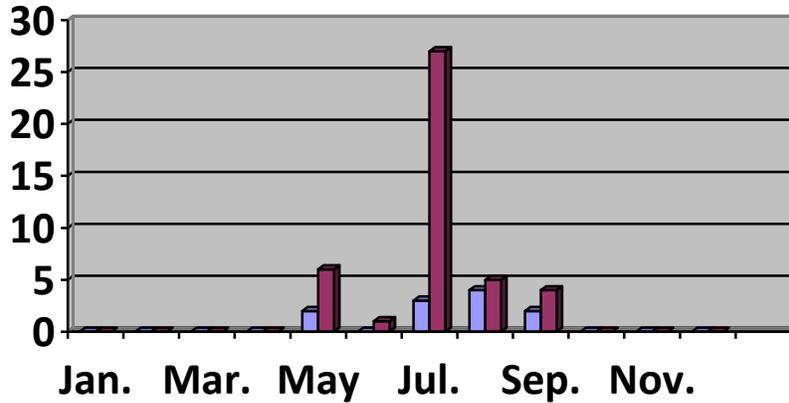
The graph above shows the number of deaths and injuries by month across the Las Vegas CWA due to thunderstorm winds. There were a total of 9 deaths and 101 injuries. A noted spike can be seen in the warm season convective months with September the leading month for deaths and injuries with 6 deaths and 38 injuries. September was also the leading month for flash flood deaths. The most deaths ever from thunderstorm winds is tough to determine as a severe thunderstorm in Needles, California on September 1, 1922 was only listed as having killed “several persons”. The most injuries ever due to thunderstorm winds were from a thunderstorm that hit the Las Vegas Valley on September 16, 1961 that injured 31 people. The largest number of deaths and injuries was due to flying glass from broken windows as well as flying debris. The most interesting injury was a man who sustained injury from a toilet in a mobile home. Boats and other floating devices on Lake Mead were the second leading cause. Mobile homes that were blown over were the third greatest cause. The list above also shows that when destructive thunderstorms have hit more populated parts of the area, there are also a greater number of people who have been injured.

Lightning

Date	County	Number Dead	Number Injured	Cause	Description
July 26, 1904	Inyo	1	2	Lightning	Mount Whitney Summit A man was struck by lightning and killed within 50 feet of the monument. Two men who were also there were knocked unconscious by the strike that occurred during thundersnow.
August 9, 1960	Clark	1	0	Lightning	Boulder City 1 man killed who was replacing fuses at an electrical substation
July 29, 1964	Inyo	0	3	Lightning	Mount Whitney Summit 3 women were struck on the summit and burned severely
August 16, 1965	San Bernardino	1	0	Lightning	Needles 1 killed
August 27, 1972	Clark	1	2	Lightning	Las Vegas 1 man was killed by lightning 2 men standing near him at the time he was struck were injured after being knocked over or thrown into the air by the impact of the strike
May 13, 1973	Mohave	1	4	Lightning	Lake Havasu City 1 baseball pitcher struck and killed by lightning 3 baseball players and 1 coach were injured
August 12, 1978	Mohave	1	0	Lightning	Dolan Springs 1 killed Lineman from utility company struck while working on a pole
July 30, 1980	San Bernardino	1	0	Lightning	Needles 1 killed Off-duty sheriff
June 10, 1990	Clark	0	1	Lightning	Las Vegas 1 injured – motorcyclist was struck and injured
July 14, 1990	Inyo	1	15	Lightning	Mount Whitney Summit Lightning struck the Smithsonian Hut and electrocuted a man inside the hut who later died. 15 others

					inside the hut suffered serious injuries.
September 2, 1990	Clark	1	1	Lightning	Las Vegas 1 motorcycle driver was killed and their passenger injured when lightning struck them
May 14, 1993	Clark	1	1	Lightning	Henderson 1 man killed and 1 man had minor injuries after they were struck on a golf course
May 26, 1994	Clark	0	1	Lightning	Indian Springs 11 year old boy struck and injured
July 11, 1996	Clark	0	1	Lightning	Girl Scout Camp southwest of Las Vegas 1 woman suffered minor injuries while using an outdoor shower and struck by lightning
July 24, 1998	Clark	0	5	Lightning	Sloan 5 rescue personnel struck on I-15 helping at an accident
August 14, 1998	Clark	0	1	Lightning	Primm 1 person was injured on a motorcycle after being struck by lightning
September 10, 2004	San Bernardino	1	1	Lightning	Lenwood Lightning struck a killed driver who became stuck and injured the tow truck driver who was helping them
August 7, 2008	Clark	0	2	Lightning	Henderson 2 people (a mother and her 4 year old son) were injured when they stood outside their home to watch a thunderstorm
September 11, 2012	San Bernardino	0	2	Lightning	Twentynine Palms Lightning struck and injured 2 Marines on a training exercise
July 17, 2015	San Bernardino	0	1	Lightning	Needles 1 man was struck on jet ski at the Pirate Cove Resort

Number of Deaths and Injuries By Month Due To Lightning In The Las Vegas CWA



■ Deaths

■ Injuries

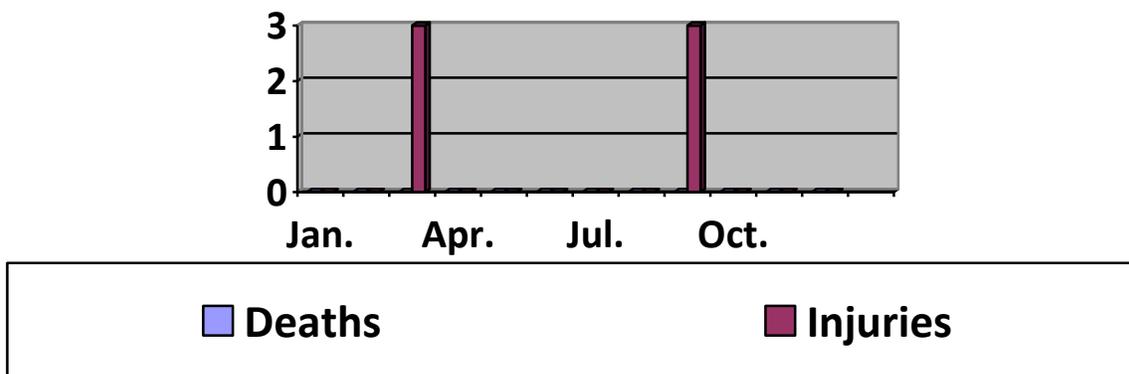
Lightning deaths as shown on the graph above were all during the warmer month of the year with no deaths or injuries recorded between October and April. August was the leading month for deaths with four while July had the most injuries with twenty-seven. The most people ever injured at once from lightning was back in 1990 when fifteen people in the Smithsonian Hut atop Mount Whitney were struck. Most deaths and injuries were associated with people responding to vehicle accidents that occurred while a thunderstorm was around. People involved with recreational activities outdoors such as baseball games and golf and especially those on motorcycles also showed up as frequent activities associated with a person being killed or injured when lightning struck. A total of 11 deaths and 43 injuries have been linked in the entire Las Vegas CWA to lightning.

Tornadoes

Date	County	Number Dead	Number Injured	Cause	Description
September 18, 1972	Mohave	0	1	Tornado	Mohave Mesa/8 miles south of Bullhead City (F1 tornado) 1 person was injured by a tornado's wind in a mobile home
March 14, 1979	Mohave	0	3	Tornado	Wikieup (unrated tornado) 3 minor injuries

September 7, 1982	San Bernardino	0	2	Tornado	6 miles northwest of Joshua Tree (F2 tornado) 2 injured from flying debris from tornado
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Number of Deaths and Injuries By Month Due To Tornadoes In The Las Vegas CWA



No documented deaths in association with a tornado have ever been known to occur in the Las Vegas CWA with a total of six injuries. There are only three known instances of people being injured with two instances in September and one in March. The greatest number of people injured from one tornado was three in Wikieup, Arizona on March 14, 1979.

Snow and Ice

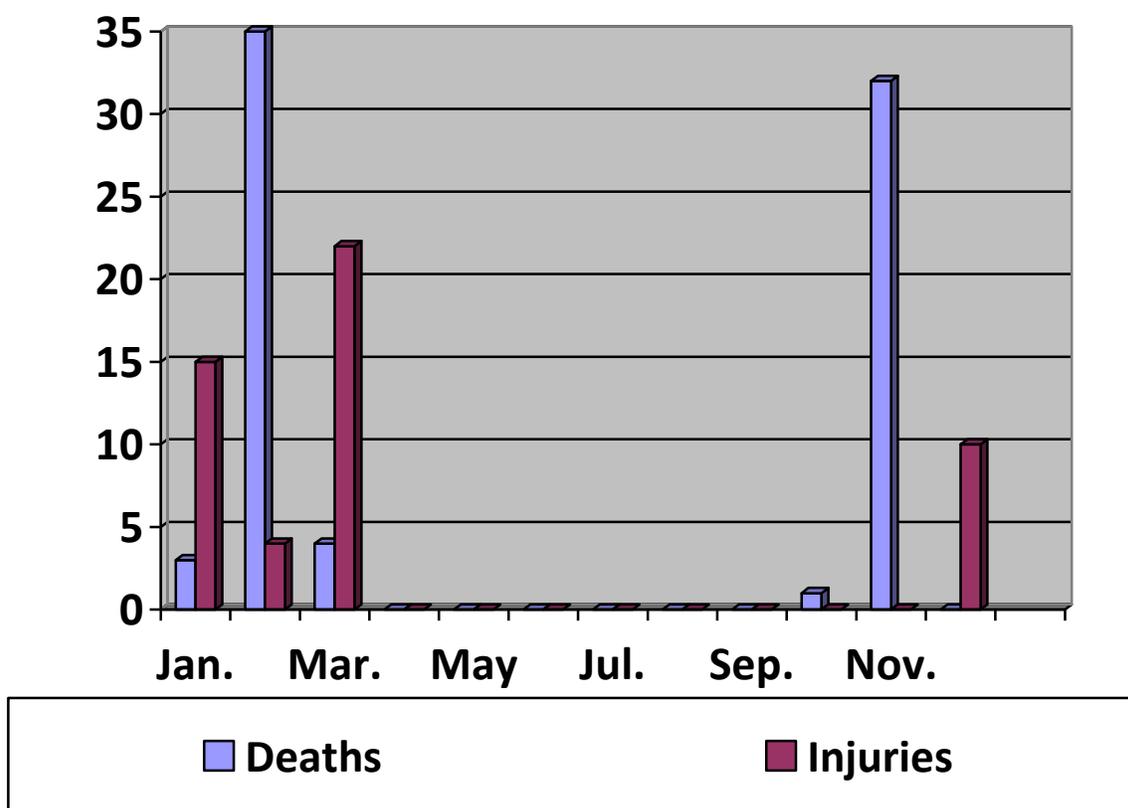
Date	County	Number Dead	Number Injured	Cause	Description
January 11, 1949	Clark	0	4	Snow/Ice	Las Vegas 4 injured in car accidents due to snowy and icy roads
October 23, 1953	Lincoln	1	0	Heavy Snow	Caliente 1 man dead from being hit on head by fallen tree limb
November 15, 1964	Clark	28	0	Heavy Snow and Low Visibility	Outside of Las Vegas 28 people were killed when a Bonanza Airlines flight crashed due to low clouds and low visibility from heavy snow
February 18, 1969	Inyo	35	0	Heavy Snow and Low Visibility	Mt. Whitney 35 people were killed when Hawthorne Nevada Airlines Flight 708 hit the east slope of Mt. Whitney due to snow and

					low visibility
January 29, 1979	Mohave	0	3	Snow	Kingman 3 injured in car accidents due to snowy roads
January 30-31, 1979	Inyo	2	0	Snow	Olancha 2 dead due to car accidents from snowy roads
January 31, 1979	Clark	0	1	Snow	Las Vegas 1 man injured in an accident due to snowy roads
March 1-3, 1981	Inyo	4*	15*	Ice	Inyo County 4 dead and 15 injured due to icy roads (*listed numbers in <i>Storm Data</i> lumped with Mono County with no details as to which occurred where)
November 20, 1983	Mohave	4	0	Heavy Snow	Southern Mohave County 4 killed in plane crash due to heavy snow
February 26, 1987	Las Vegas	0	2**	Snow	Las Vegas Several people injured in accidents due to snowy roads
January 3, 2006	Esmeralda	1	6	Ice	Esmeralda County 1 indirect death and 6 indirect injuries due to icy conditions on Highway 95
December 30, 2010	San Bernardino	0	2**	Ice/Snow	Mountain Pass Several people had minor injuries from car accidents on Interstate 15 due to slippery road from a hardened glaze of snow
January 3, 2011	Nye	0	1	Ice/Snow	Pahrump 1 trooper injured in a vehicle accident due to icy/snowy roads
February 16, 2012	Mohave	0	2	Ice/Snow	Kingman/Hualapai Mt Road 2 people were injured in a vehicle accident on an icy overpass
December 7, 2013	Mohave	0	3	Heavy Snow	Virgin River Gorge 3 indirect injuries from an accident that closed I-15 due to snow on the highway.
December 30-31, 2014	San Bernardino	0	5	Heavy Snow	Morongo Basin 3 vehicle crashes resulted in 5 injuries on area roads.

February 28, 2015	Lincoln	0	7	Snow	Lincoln County 3 vehicle rollovers and 2 slide-offs were attributed to the weather.
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** Listed as several people injured.

Number of Deaths and Injuries By Month Due To Snow and Ice In The Las Vegas CWA



Deaths and injuries to snow and ice have all been between October and March in the Las Vegas CWA. The leading month for deaths was in February where a plane crash due to snow and low visibility killed thirty-five people. Vehicle accidents were the leading cause of deaths and injuries after plane crashes with one death caused by a fallen tree limb. Overall a total of 75 deaths and 51 injuries have been linked to snow and ice in this study.

Hail

Date	County	Number Dead	Number Injured	Cause	Description
March 21, 2011	Mohave	1	2	Small Hail	Highway 68/East of Bullhead City One person was killed (indirect) and two were injured in five vehicle accidents involving seven vehicles

There has only been one death linked to hail in the Las Vegas CWA. Small hail created slippery road conditions triggering vehicle accidents.

Avalanche

Date	County	Number Dead	Number Injured	Cause	Description
February 25, 1969	Clark	2	0	Avalanche	Mt. Charleston Avalanche destroyed a home killing a mother and son.
January 9, 2005	Clark	1	0	Avalanche	Mt. Charleston 1 teenager died at Las Vegas Ski and Snowboard Resort
April 26, 2011	Inyo	2	0	Avalanche	Slide Mountain 2 young adults died while hiking (1 male and 1 female)
November 10, 2015	Inyo	1	0	Avalanche	Meysan Lake Basin 1 man was killed (exact date unknown)

Only six avalanche deaths have been known to occur in the Las Vegas CWA. Three took place on Mt. Charleston, Nevada while two took place in the eastern Sierra Nevada.

Strong/High Winds

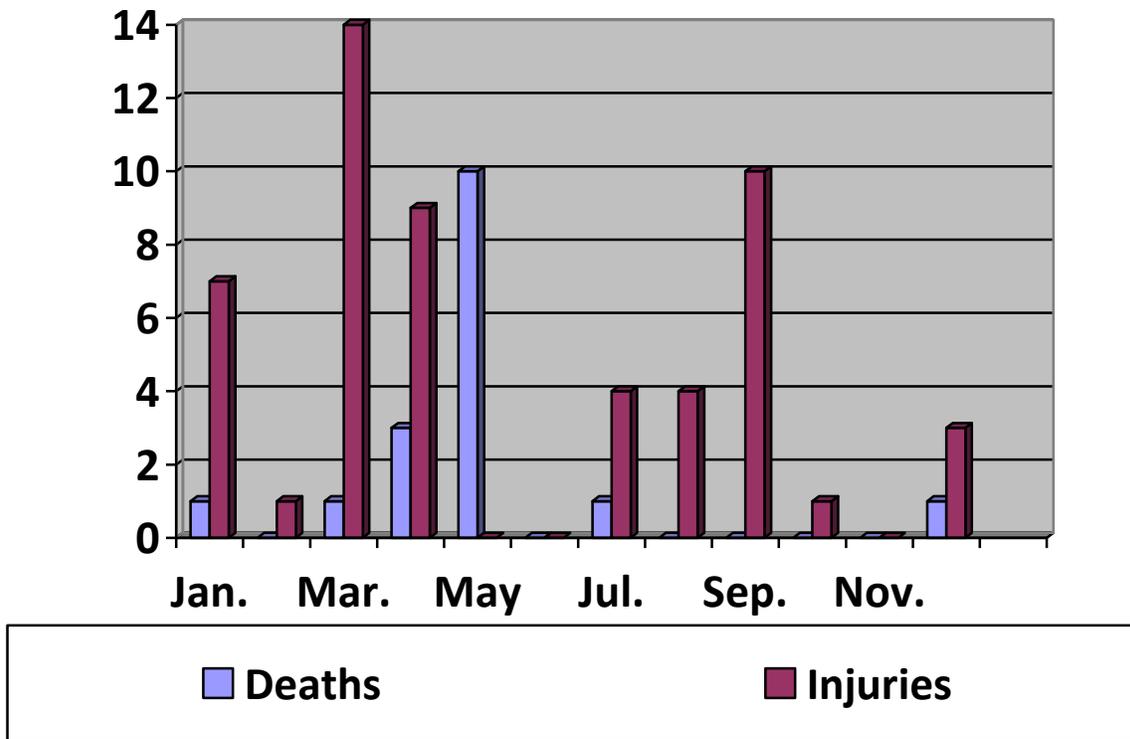
Date	County	Number Dead	Number Injured	Cause	Description
May 21, 1960	Clark	1	0	Gusty Wind	Lake Mead 1 dead after gusty winds capsized a boat
August 14, 1967	Mohave	0	2	Wind	Lake Havasu City 2 injured when trailer overturned from wind
March 26, 1970	Clark	0	1	Wind	Las Vegas 1 motorist injured when he was

					driving a motorcycle and was picked up by the wind and blown down
August 1, 1971	Mohave	0	1	Wind	Lake Havasu City 1 injured person when they lost control of their motorcycle due to wind
February 20, 1976	Clark	0	1	High Wind	Las Vegas 1 man injured in his truck after it was struck by roofing material picked up and thrown into it by wind
July 24, 1976	Clark	1	0	High Wind	Lake Mead 1 person drowned
July 15, 1985	San Bernardino	0	4	High Wind	Needles 4 injured in a mobile home
March 9, 1988	Clark	0	1	High Wind	Las Vegas 1 person injured by a fallen tree that was knocked over by high wind
May 30, 1991	Clark	2	0	High Wind	Las Vegas 2 killed (indirect) when a fire started in a home where candles were used due to a power outage from high winds
May 3-4, 1993	Inyo	1	0	High Wind	Inyo County 1 man killed by flying projectile due to high winds
March 28, 1996	Clark	0	3	High Wind	Las Vegas 1 injured motorcycle due to wind Clark County 2 injured in accident on I-15 near NV-CA border due to wind
April 23, 1998	Clark	2	0	High Wind	Lake Mead 2 dead from high winds capsizing a boat
December 20, 1998	Clark	0	1	High Wind	NW Las Vegas 1 man injured when construction trailer was blown over
March 11, 2001	Clark	0	1	High Wind	Las Vegas 1 injured after a palm tree fell over and hit their vehicle
January 26, 2002	Clark	1	6	Wind	Mt. Charleston 1 dead and 6 injured after wind

					knocked down a hot air balloon
March 1, 2002	Clark	1	0	High Wind	Las Vegas 1 motorcyclist was killed when high winds knocked him into a concrete barrier
April 15, 2002	Clark	0	4	High Wind	Las Vegas 4 people were injured when high winds blew over a kiosk at Harrah's Casino on The Strip
April 15, 2002	Clark	0	1	High Wind	Lake Mead 1 person injured when high winds flipped boat
January 11, 2005	Nye	0	1	High Wind	Pahrump 1 person injured when a trailer blew over
October 15, 2005	Inyo	0	1	High Wind	Death Valley National Park 1 person was blown over and injured at Badwater Basin
May 21, 2006	Mohave	2	0	Strong Wind	Lake Mead/Temple Bar 2 people drowned
May 26, 2006	Mohave	2	0	Strong Wind	Lake Mead 1 drowned at Princess Cove and 1 drowned in an unknown location
May 27, 2006	Clark	1	0	Strong Wind	Lake Mead/Boulder Beach 1 drowned
April 12, 2007	Clark	1	2	Strong Wind	North Las Vegas 1 elderly lady died after being knocked over by the wind Downtown Las Vegas 2 injured (1 critical) workers hit by scaffolding knocked down at a construction site by wind
August 31, 2008	Clark	0	1	Strong Wind	Owens Valley 1 person injured when their pick-up truck was blown over by the wind
September 1, 2008	Clark	0	2	Strong Wind	Las Vegas 2 injured from the wind by a construction wall blown over
March 26, 2009	Clark	0	2	Strong Wind	Las Vegas 2 injured (minor) people washing windows at the Encore Casino-Hotel when winds broke the scaffolding they were on and slammed it into the hotel

					tower
April 27, 2010	Inyo	0	1	Strong Wind	Owens Valley 1 person – the driver - was injured on Highway 395 when winds blew over a big rig
December 19, 2010	Nye	0	1	Strong Wind	Nevada National Security Site 1 injured when wind blew open a door and hit a person
March 20, 2011	Clark	0	4	High Wind	Sandy Valley 4 people injured (one critical) when a structure collapsed
September 8, 2011	Clark	0	8	High Wind	Las Vegas 8 people suffered minor injuries when a dry microburst collapsed an aircraft shelter at Nellis AFB
December 1, 2010	Nye	0	1	High Wind	Pahrump High wind tore down a carport, knocking it onto an elderly woman and injuring her
March 6, 2012	Mohave	0	2	High Wind	Mohave Valley 2 people were injured from a vehicle accident that resulted from a tree falling in the road knocked over by the wind
April 26, 2012	Inyo	0	1	High Wind	10 miles north of Independence A big rig overturned and a worker at the accident scene was injured during the clean-up process
December 15, 2012	Clark	1	0	Strong Wind	Jean Dry Lake Bed A skydiver was killed when his parachute lost lift.
May 10, 2014	Clark	1	0	High Wind	Lake Mead One man drowned in Lake Mead when high winds blew away his boat and caused high waves.

Number of Deaths and Injuries By Month Due To Strong or High Winds In The Las Vegas CWA



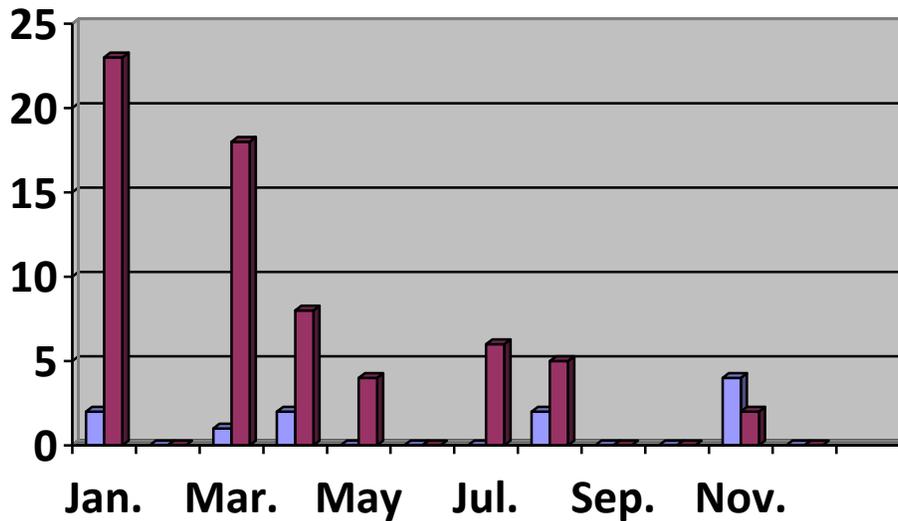
Overall, deaths and injuries related to strong or high winds in the Las Vegas CWA show the greatest numbers tend to occur in the March through May period when high gradient winds associated with cold fronts tend to be most common. May had the highest number of deaths of any months with nine documented while March had the most injuries with twelve. Some of the events in the warm season, especially prior to the 1990s are questionable as high gradient winds in these months are rare and reporting methodologies at these times may have documented high winds from thunderstorms themselves or thunderstorm outflow boundaries as high winds. The spike in injuries in January was due to six deaths from a hot air balloon incident on Mt. Charleston. A look deaths and injuries due to strong or high winds shows many documented cases of people capsizing in boats or other floating devices on Lake Mead as one of the leading causes. Other causes include debris falling such as trees and at or near construction sites. Many also died or were injured while riding motorcycles in high winds and to a lesser extent while driving in tractor trailers or other large trucks. Overall seventeen deaths and fifty-two injuries were linked to strong or high winds in the Las Vegas CWA.

Blowing Dust

Date	County	Number Dead	Number Injured	Cause	Description
January 4-5, 1959	San Bernardino	0	18	Blowing Dust and Wind	Barstow Area Dust Storm Visibility less than 100 feet east of Barstow resulted in 15 car chain reaction traffic accident
January 25, 1965	Clark	0	1	Blowing Dust and Wind	Near Searchlight 1 injured from car accident on Highway 95 six miles north of Searchlight
May 21, 1971	Clark	0	1	Blowing Dust	Las Vegas 1 injured in car accident due to blowing dust
March 26, 1984	Inyo	0	9	Blowing Dust	Lone Pine and Independence 9 injured from accidents due to blowing dust
April 8, 1984	Inyo	0	8	Blowing Dust	Owens Valley 8 injured from accidents caused by blowing dust
March 27, 1985	Clark	1	3	Blowing Dust	Las Vegas 1 dead and 3 injured from a car accident caused by blowing dust
March 13, 2002	San Bernardino	0	6	Blowing Dust	Yermo 6 injured in car accidents
January 5, 2007	San Bernardino	2	4	Blowing Dust	Yermo 2 dead, 4 injured in accident I-15 San Bernardino County 2 injured in accident
April 12, 2007	San Bernardino	2	0	Blowing Dust	30 miles east of Barstow 2 dead from accidents on I-40 near Barstow
November 9, 2008	San Bernardino	4	0	Blowing Dust	I-40 near Ludlow 4 dead due to a vehicle pile up
November 18, 2011	Inyo	0	2	Blowing Dust	Blackrock 2 people injured in a series of 4 crashes involving 7 vehicles
July 18, 2013	Mohave	0	2	Blowing Dust	Pierce Ferry Road A dust storm caused a 4 vehicle crash which seriously injured 2 people
August 24, 2013	San Bernardino	2	5	Blowing Dust	I-40 A dust storm caused an 8 vehicle crash that indirectly killed 2 people and indirectly

					injured 5 people
May 10, 2014	San Bernardino	0	3	Blowing Dust	I-40/Newberry Springs Dust storm conditions contributed to a pile-up with 6 big rigs which caused 3 injuries (indirect).
July 27, 2014	Mohave	0	4	Blowing Dust	Highway 93 Near Dolan Springs/Chloride Vehicle rolled over in a dust storm resulting in 4 indirect injuries.

Number of Deaths and Injuries By Month Due To Blowing Dust In The Las Vegas CWA



November had the most deaths associated with blowing dust with four while January lead all other months for injuries with twenty-three. March's total of eighteen injuries ranks second. A total of eleven deaths and sixty-six injuries were linked to blowing dust for the entire period of study. Blowing dust accidents linked to death and injuries were mainly in five areas – in Las Vegas and in the Eldorado Dry Lake Bed, along Interstate 15 and Interstate 40 in San Bernardino County and along Highway 395 in the Owens Valley.

Dust Devil

Date	County	Number Dead	Number Injured	Cause	Description
June 1, 1996	Clark	1	0	Dust Devil	20 miles south of Las Vegas Skydiver hit a dust devil and was knocked to their death
August 20, 2000	San Bernardino	0	1	Dust Devil	Yucca Valley Dust devil collapsed a roof injuring a worker

Only one death and one injury have been documented in association with a dust devil in the Las Vegas CWA.

Wildfire

Date	County	Number Dead	Number Injured	Cause	Description
September 14, 2011	Inyo	0	2	Wildfire	John Fire 2 firefighters injured during the fire.
July 1, 2014	Nye	0	2	Wildfire	Pahrump brushfire 2 volunteer firefighters experienced heat exhaustion fighting a brushfire in 109 degrees.

Only two wildfires has been documented to have caused any injuries in the area which was the John Fire in Inyo County in September 2011.

Cold Weather

Date	County	Number Dead	Number Injured	Cause	Description
December 20, 1998	Clark	1	0	Cold	Las Vegas 12 year old dead from hypothermia and other factors
January 23, 2002	Clark	1	0	Cold	Las Vegas 74 year old homeless male died from exposure to elements and other health factors
February 24, 2004	Clark	1	0	Cold	Las Vegas 52 year old dead from hypothermia and other issues
January 3, 2006	Inyo	1	0	Cold	Owens Valley 1 person died from hypothermia after they walked from a car

					stranded in snow
January 16, 2007	Clark	1	0	Cold	Las Vegas 1 man dead in hotel with no heat
December 18, 2008	Clark	1	0	Cold	Las Vegas 1 man died from exposure to cold
January 8, 2011	Clark	1	0	Cold	Las Vegas 1 person dead from hypothermia
July 29, 2011	Inyo	0	1	Cold	Mt. Whitney 1 person injured Hiker hospitalized from severe hypothermia from being wet and cold after a thunderstorm
December 6-7, 2011	Clark	2	0	Cold	Las Vegas Two men died of hypothermia in Las Vegas.
January 7, 2012	Clark	1	0	Cold	Las Vegas 1 man died from hypothermia
December 30, 2012	Clark	1	0	Cold	Las Vegas 1 man (91 years old) died of hypothermia in Las Vegas in a permanent home
October 3, 2015	Inyo	0	2	Cold	Mount Whitney Trail 2 hikers were treated for hypothermia.

Only eleven documented deaths due to cold weather have ever been reported in the Las Vegas CWA and occurred either in December, January or February which are the three coldest months of the year on average.

Hot Weather

Date	County	Number Dead	Number Injured	Cause	Description
July 10, 1913	Inyo	1	1	Heat	Death Valley 1 man died and another was seriously injured from the heat after their car broke down in Death Valley north of Greenland Ranch when it reached 134 degrees
April 24, 1976	Inyo	0	1	Heat	Death Valley 19 year old male injured from heat exhaustion

May 30, 1976	Inyo	0	1	Heat	Death Valley 2 year old girl injured from heat exhaustion
August 28, 1976	Inyo	0	1	Heat	Death Valley 22 year old male injured from heat exhaustion
September 7, 1982	Inyo	0	1	Heat	Death Valley 57 year old male injured from heat exhaustion
March 8, 1983	Inyo	0	2	Heat	Death Valley 27 year old male and 24 year female injured from heat exhaustion
September 2, 1984	Inyo	1	0	Heat	Death Valley 1 male (age unknown) died of heat stroke
February 23, 1985	Inyo	0	1	Heat	Death Valley 76 year old male injured from dehydration and heat exhaustion
June 27, 1985	Inyo	0	1	Heat	Death Valley 27 year old male injured from heat exhaustion
June 13, 1986	Inyo	0	1	Heat	Death Valley 26 year old male injured from decreased level of consciousness due to dehydration
July 19, 1986	Inyo	0	1	Heat	Death Valley 32 year old female injured from decreased level of consciousness due to dehydration
February 19, 1987	Inyo	0	1	Heat	Death Valley 66 year old female fainted from dehydration
August 1, 1987	Inyo	0	1	Heat	Death Valley 58 year old male fainted from dehydration
July 7, 1991	Clark	1	0	Heat	Las Vegas 85 year old dead from heat exhaustion
July 22, 1991	Clark	1	0	Heat	Las Vegas 44 year old dead from heat stroke
July 26, 1991	Inyo	1	0	Heat	Death Valley

					40 year old man died from heat stroke
July 30, 1991	Clark	2	0	Heat	Las Vegas 78 year old and 80 year old dead from hyperthermia
August 20, 1992	Clark	2	0	Heat	Las Vegas 79 year old and 80 year old dead from heat stroke (dehydration and overheating)
1992	Mohave	1	0	Heat	Mohave County 1 dead from heat
May 28, 1993	Inyo	0	1	Heat	Death Valley 43 year old male injured from heat exhaustion
June 25, 1993	Inyo	0	1	Heat	Death Valley 33 year old male injured from heat exhaustion
June 26, 1993	Inyo	0	1	Heat	Death Valley 37 year old male injured from heat exhaustion
June 28, 1993	Inyo	0	1	Heat	Death Valley 22 year old male injured from heat exhaustion
July 1, 1993	Inyo	0	1	Heat	Death Valley 37 year old female injured from heat exhaustion
July 7, 1993	Inyo	0	1	Heat	Death Valley 17 year old female injured from heat exhaustion
July 17, 1993	Inyo	0	1	Heat	Death Valley 26 year old female injured from heat exhaustion
July 19, 1993	Inyo	0	2	Heat	Death Valley 14 year old female and 22 year old female injured from heat exhaustion
July 28, 1993	Inyo	0	1	Heat	Death Valley 21 year old female injured from heat exhaustion
August 1, 1993	Inyo	0	1	Heat	Death Valley 35 year old female injured from heat exhaustion
August 3, 1993	Clark	1	0	Heat	Las Vegas 57 year old dead from hyperthermia

August 3, 1993	Inyo	0	1	Heat	Death Valley 32 year old female injured from heat exhaustion
August 4, 1993	Inyo	0	1	Heat	Death Valley 10 year old male injured from heat exhaustion
August 8, 1993	Clark	1	0	Heat	Las Vegas 2 year old dead from hyperthermia
August 9, 1993	Clark	1	0	Heat	Las Vegas 56 year old man dead after working outdoors
August 11, 1993	Clark	1	0	Heat	Las Vegas 45 year old dead from hyperthermia
August 16, 1993	Inyo	0	2	Heat	Death Valley 27 year old male and 21 year old female were injured from heat exhaustion
September 10, 1993	Inyo	0	1	Heat	Death Valley 47 year old female injured from heat exhaustion
1993	Mohave	1	0	Heat	Mohave County 1 dead from heat
March 6, 1994	Inyo	0	1	Heat	Death Valley 61 year old female injured from dehydration
March 20, 1994	Inyo	0	1	Heat	Death Valley 35 year old female injured from dehydration
April 4, 1994	Inyo	0	2	Heat	Death Valley An 80 year old female and 7 year old female both were injured from dehydration
April 7, 1994	Inyo	0	2	Heat	Death Valley A 25 year old female and 24 year old female were both injured from heat exhaustion
April 8, 1994	Inyo	0	1	Heat	Death Valley A 6 year old female was injured from heat exhaustion
April 14, 1994	Inyo	0	1	Heat	Death Valley A 37 year old female was injured from dehydration
April 21,	Inyo	0	1	Heat	Death Valley

1994					A 51 year old male was injured from heat exhaustion
June 9, 1994	Clark	1	0	Heat	Las Vegas 1 dead from hyperthermia/heat stress
June 14, 1994	Clark	1	0	Heat	Las Vegas 46 year old died due to hyperthermia and other factors
June 24, 1994	Clark	1	0	Heat	Las Vegas 61 year old died from a combination of dehydration and malnutrition
June 24, 1994	Inyo	0	1	Heat	Death Valley 11 year old female was injured from dehydration
June 25, 1994	Inyo	0	1	Heat	Death Valley A 34 year old male was injured from heat exhaustion
June 26, 1994	Clark	1	0	Heat	Las Vegas 39 year old dead from hyperthermia
July 2, 1994	Clark	1	0	Heat	Las Vegas 62 year old dead from severe heat stroke
July 14, 1994	Clark	1	0	Heat	Las Vegas 41 year old died from acute hyperthermia
July 18, 1994	Clark	3	0	Heat	Las Vegas 2 year old, 6 year old and 25 year old dead from acute hyperthermia (all from Arizona)
July 22, 1994	Clark	1	0	Heat	Las Vegas 47 year old dead from acute hyperthermia/heat stroke
July 22, 1994	Inyo	0	1	Heat	Death Valley A 30 year old female was injured from heat exhaustion
July 25, 1994	Inyo	0	1	Heat	Death Valley A 20 year old female was injured from dehydration
July 26, 1994	Inyo	0	1	Heat	Death Valley A 28 year old female was injured from dehydration
July 28, 1994	Inyo	0	1	Heat	Death Valley

					A26 year old female was injured from heat exhaustion
August 2, 1994	Clark	1	0	Heat	Las Vegas 34 year old dead from acute hyperthermia
August 25, 1994	Clark	1	0	Heat	Las Vegas 38 year old dead primarily from acute hyperthermia
August 28, 1994	Clark	1	0	Heat	Las Vegas 81 year old dead from hyperthermia
1994	Mohave	6	0	Heat	Mohave County 6 dead from heat
February 3, 1995	Inyo	0	1	Heat	Death Valley A 43 year old male was injured from dehydration
March 18, 1995	Clark	1	0	Heat	Las Vegas 73 year old dead from heat stroke and cardiopulmonary arrest
April 14, 1995	Clark	1	0	Heat	Las Vegas 9 month old dead from severe hyperthermia and other factors
June 12, 1995	Inyo	0	1	Heat	Death Valley A 24 year old male was injured from heat exhaustion
June 14, 1995	Clark	2	0	Heat	Sandy Valley 2 dead from heat after being stranded in their car on a deserted dirt road
June 19, 1995	Inyo	0	1	Heat	Death Valley A 43 year old male was injured from heat exhaustion
July 1, 1995	Clark	2	0	Heat	Clark County 2 dead from heat after being stranded in their car on a deserted dirt road
July 6, 1995	Clark	1	0	Heat	Las Vegas 85 year old dead from acute hyperthermia
July 25, 1995	Clark	1	0	Heat	Las Vegas 53 year old dead from hyperthermia and dehydration
July 26, 1995	Inyo	0	1	Heat	Death Valley A 25 year old male was

					injured from heat exhaustion
July 30, 1995	Inyo	0	1	Heat	Death Valley A 44 year old female was injured from heat exhaustion
August 7, 1995	Inyo	0	1	Heat	Death Valley A 58 year old female was injured from heat exhaustion
August 8, 1995	Inyo	0	1	Heat	Death Valley A 54 year old female was injured from heat stroke
August 15, 1995	Inyo	0	1	Heat	Death Valley A 25 year old female was injured from heat exhaustion
August 19, 1995	Clark	1	0	Heat	Las Vegas 31 year old dead from acute hyperthermia
August 19, 1995	Inyo	0	1	Heat	Death Valley A 40 year old female was injured from dehydration
August 25, 1995	Inyo	0	1	Heat	Death Valley A 58 year old male was injured from heat cramps
September 28, 1995	Inyo	0	1	Heat	Death Valley A 15 year old female was injured from heat exhaustion
1995	Mohave	2	0	Heat	Mohave County 2 dead from heat
June 4, 1996	Clark	1	0	Heat	Las Vegas 47 year old dead from hyperthermia and dehydration
June 7, 1996	Clark	1	0	Heat	Las Vegas 1 dead from hyperthermia
July 7, 1996	Clark	1	0	Heat	Las Vegas 1 dead from hyperthermia
July 15, 1996	Clark	1	0	Heat	Las Vegas 67 year old dead from acute hyperthermia
July 25, 1996	Clark	1	0	Heat	Las Vegas 26 year old dead from acute hyperthermia/heat stroke
August 29, 1996	Clark	1	0	Heat	Las Vegas 3 year old dead from hyperthermia
1996	Mohave	5	0	Heat	Mohave County 5 dead from heat

May 9, 1997	Clark	1	0	Heat	Las Vegas 49 year old dead from hyperthermia
May 20, 1997	Inyo	0	1	Heat	Death Valley A 48 year old male was injured from heat exhaustion
July 16, 1997	Inyo	0	1	Heat	Death Valley A 58 year old female was injured from heat exhaustion
July 24, 1997	Inyo	0	1	Heat	Death Valley A 42 year old female was injured from heat exhaustion
August 15, 1997	Inyo	0	1	Heat	Death Valley A 43 year old female was injured from dehydration
September 6, 1997	Inyo	0	1	Heat	Death Valley A 43 year old female was injured from heat cramps
1997	Mohave	1	0	Heat	Mohave County 1 dead from heat
June 28, 1998	Clark	1	0	Heat	Las Vegas 7 month old dead from acute hyperthermia/heat stroke
June 30, 1998	Inyo	0	1	Heat	Death Valley A 24 year old male was injured from heat exhaustion
July 1, 1998	Clark	1	0	Heat	Las Vegas 49 year old dead from elevated temperature as well as other factors
July 4, 1998	Clark	1	0	Heat	Las Vegas 47 year old dead from hyperthermia and dehydration
July 9, 1998	Clark	1	0	Heat	Las Vegas 83 year old dead from exposure to excess heat
July 10, 1998	Inyo	0	1	Heat	Death Valley A 37 year old male was injured from dehydration
July 17, 1998	Inyo	0	1	Heat	Death Valley A 40 year old female was injured from heat exhaustion
July 18, 1998	Inyo	0	1	Heat	Death Valley A 49 year old female was injured from dehydration
August 2,	Inyo	0	1	Heat	Death Valley

1998					A 46 year old male was injured from heat exhaustion
August 8, 1998	Inyo	0	1	Heat	Death Valley A 50 year old female was injured from heat exhaustion
August 13, 1998	Inyo	0	1	Heat	Death Valley A 17 year old male was injured from heat exhaustion
August 17, 1998	Inyo	0	1	Heat	Death Valley A 33 year old female was injured from dehydration
August 22, 1998	Clark	1	0	Heat	Las Vegas 90 year old dead from heat stroke (also had cardiac arrest)
August 24, 1998	Inyo	0	1	Heat	Death Valley A 42 year old female was injured from dehydration
August 29, 1998	Clark	1	0	Heat	Las Vegas 38 year old dead from hyperthermia
November 11, 1998	Inyo	0	1	Heat	Death Valley A 45 year old male was injured from dehydration
1998	Mohave	10	0	Heat	Mohave County 10 dead from heat
March 3, 1999	Inyo	0	1	Heat	Death Valley A 67 year old male was injured from dehydration
April 8, 1999	Inyo	0	1	Heat	Death Valley A 77 year old male was injured from heat exhaustion
May 16, 1999	Inyo	0	1	Heat	Death Valley A 35 year old male was injured from dehydration
May 29, 1999	Inyo	0	1	Heat	Death Valley A 45 year old female was injured from heat cramps
June 12, 1999	Clark	1	0	Heat	Las Vegas 91 year old dead from exposure to direct sun
June 15, 1999	Inyo	0	1	Heat	Death Valley A 63 year old female was injured from heat cramps
June 23, 1999	Clark	1	0	Heat	Las Vegas 1 dead from hyperthermia and dehydration

June 30, 1999	Inyo	0	1	Heat	Death Valley An 80 year old male was injured from heat exhaustion
July 1, 1999	Clark	2	0	Heat	Las Vegas 45 year old dead from hyperthermia 74 old dead from heat stress and other factors
July 2, 1999	Clark	3	0	Heat	Las Vegas 62 year old dead from hyperthermia 48 year old dead from heat stress and other factors 39 year old dead from hyperthermia
August 2, 1999	Inyo	0	1	Heat	Death Valley A 47 year old female was injured from heat exhaustion
August 8, 1999	Inyo	0	1	Heat	Death Valley A 39 year old female was injured from dehydration
August 21, 1999	Inyo	0	1	Heat	Death Valley A 30 year old female was injured from dehydration
October 4, 1999	Inyo	0	1	Heat	Death Valley A 46 year old female was injured from dehydration
October 7, 1999	Inyo	0	1	Heat	Death Valley A 30 year old female was injured from dehydration
October 11, 1999	Clark	1	0	Heat	Las Vegas 81 year old dead from heat stress and other factors
June 2, 2000	Inyo	1	0	Heat	Death Valley A 69 year old male died from heat stroke
July 25, 2000	Clark	1	0	Heat	Las Vegas 74 year old male dead from exposure to elements and other health complications
July 26, 2000	Clark	1	0	Heat	Las Vegas 49 year old male dead from hyperthermia and other health factors
August 1, 2000	Clark	1	0	Heat	Las Vegas 52 year old male dead from

					heat stress and other health factors
August 2, 2000	Clark	1	0	Heat	Las Vegas 63 year old male dead due to exposure to excessive heat and other factors
August 12, 2000	Clark	1	0	Heat	Las Vegas 63 year old male dead from heat stroke and other factors
August 19, 2000	Clark	1	0	Heat	Las Vegas 75 year old female dead from heat stress and other factors
October 22, 2000	Clark	1	0	Heat	Las Vegas 3 year old male died from a brain injury and heat stroke after being trapped in a car trunk
2000	Mohave	5	0	Heat	Mohave County 5 dead from heat
May 10, 2001	Clark	1	0	Heat	Las Vegas 5 year old male dead from acute hyperthermia and multiple systems failure
May 17, 2001	Clark	1	0	Heat	Las Vegas 49 year old male dead from acute hyperthermia/heat stroke
May 24, 2001	Clark	1	0	Heat	Las Vegas 9 month old male dead from acute hyperthermia and multiple systems failure
May 29, 2001	Clark	1	0	Heat	Las Vegas 50 year old male dead from hyperthermia
June 1, 2001	Inyo	0	1	Heat	Death Valley A 56 year old female was injured from heat exhaustion
June 4, 2001	Inyo	1	0	Heat	Death Valley A 83 year old male died from heat stroke
June 10, 2001	Clark	1	0	Heat	Las Vegas 39 year old male dead from heat stress and other factors
June 17, 2001	Clark	1	0	Heat	Las Vegas 69 year old female dead from hyperthermia and other

					factors
June 19, 2001	Inyo	0	1	Heat	Death Valley A 54 year old male was injured from dehydration
June 28, 2001	Clark	1	0	Heat	Las Vegas 48 year old female dead from hyperthermia and other factors
June 29, 2001	Clark	1	0	Heat	Las Vegas 5 month old male dead from acute hyperthermia
July 1, 2001	Inyo	0	1	Heat	Death Valley A 41 year old female was injured from heat exhaustion
July 3, 2001	Clark	1	0	Heat	Las Vegas 68 year old male dead from heat stress and other health factors
July 4, 2001	Clark	1	0	Heat	Las Vegas 62 year old female dead from acute hyperthermia
July 9, 2001	Inyo	0	1	Heat	Death Valley A 27 year old male was injured from heat exhaustion
July 11, 2001	Inyo	0	1	Heat	Death Valley A 22 year old female was injured from heat exhaustion
July 14, 2001	Inyo	0	1	Heat	Death Valley A 47 year old female was injured from dehydration
July 18, 2001	Inyo	1	0	Heat	Death Valley A man died from heat exhaustion
July 21, 2001	Inyo	0	1	Heat	Death Valley A 43 year old female was injured from heat exhaustion
July 22, 2001	Inyo	0	1	Heat	Death Valley A 58 year old male was injured from heat exhaustion
July 24, 2001	Inyo	0	1	Heat	Death Valley A 26 year old female was injured from heat exhaustion
July 25, 2001	Inyo	0	1	Heat	Death Valley A 50 year old male was injured from heat exhaustion
July 26, 2001	Clark	1	0	Heat	Las Vegas

					82 year old male dead from heat stress and other health factors
July 27, 2001	Clark	1	0	Heat	Las Vegas 87 year old male dead from hyperthermia and other health factors
July 29, 2001	Clark	1	0	Heat	Las Vegas 1 baby dead after being left in a car from heat
August 1, 2001	Clark	1	0	Heat	Las Vegas 57 year old male dead due to heat stress and other health factors
August 2, 2001	Inyo	0	1	Heat	Death Valley A 15 year old female was injured from dehydration
August 4, 2001	Clark	1	0	Heat	Las Vegas 20 year old male dead from heat stress and drug overdose
August 4, 2001	Inyo	0	1	Heat	Death Valley A 21 year old female was injured from heat exhaustion
August 5, 2001	Clark	1	0	Heat	Las Vegas 84 year old female dead from heat stress and other health factors
August 5, 2001	Inyo	0	1	Heat	Death Valley A 80 year old male was injured from heat exhaustion
August 7, 2001	Clark	1	0	Heat	Las Vegas 68 year old male dead from heat stress
August 8, 2001	Clark	1	0	Heat	Las Vegas 78 year old male dead from heat related causes and health issues
August 12, 2001	Clark	2	0	Heat	Las Vegas 84 year old female dead from heat stress and other health issues 81 year old female dead from heat stroke and other health issues
August 14, 2001	Clark	1	0	Heat	Las Vegas 24 year old male dead from

					heat stress and other factors
August 17, 2001	Inyo	0	2	Heat	Death Valley A 52 year old male and 52 year old female were injured from heat exhaustion
August 18, 2001	Clark	1	0	Heat	Las Vegas 91 year old male dead from heat stress and malnutrition
August 23, 2001	Clark	1	0	Heat	Las Vegas 41 year old dead from heat exposure and other factors
September 5, 2001	Clark	1	0	Heat	Las Vegas 73 year old male dead from heat stress and other health factors
September 15, 2001	Clark	1	0	Heat	Las Vegas 78 year old male dead from heat stress
September 30, 2001	Clark	1	0	Heat	Las Vegas 52 year old male dead from heat stress and other health factors
November 13, 2001	Inyo	0	1	Heat	Death Valley A 46 year old male was injured from dehydration
2001	Mohave	3	0	Heat	Mohave County 3 dead from heat
February 17, 2002	Inyo	0	1	Heat	Death Valley A 36 year old female was injured from heat exhaustion
February 18, 2002	Inyo	0	1	Heat	Death Valley A 57 year old male was injured from heat exhaustion
February 26, 2002	Inyo	0	1	Heat	Death Valley A 51 year old female was injured from heat exhaustion
April 3, 2002	Inyo	0	1	Heat	Death Valley A 12 year old male was injured from heat exhaustion
May 7, 2002	Inyo	0	1	Heat	Death Valley A 65 year old male was injured from heat exhaustion
June 8, 2002	Clark	1	0	Heat	Las Vegas 5 year old male died from heat stroke after being trapped in a vehicle

June 8, 2002	Inyo	0	1	Heat	Death Valley A 42 year old female was injured from heat stroke
June 14, 2002	Inyo	0	1	Heat	Death Valley A 50 year old female was injured from heat exhaustion
June 28, 2002	Inyo	0	1	Heat	Death Valley A 52 year old female was injured from heat exhaustion
June 29, 2002	Inyo	1	1	Heat	Death Valley A 38 year old male died from and a 64 year old male was injured from heat exhaustion
July 4, 2002	Clark	1	0	Heat	Las Vegas 84 year old female dead from heat stroke
July 4, 2002	Inyo	0	1	Heat	Death Valley A 42 year old female was injured from heat exhaustion
July 5, 2002	Inyo	0	1	Heat	Death Valley A 35 year old male was injured from heat exhaustion
July 6, 2002	Clark	1	0	Heat	Las Vegas 82 year old male dead from heat stress and other health factors
July 7, 2002	Inyo	0	1	Heat	Death Valley A 25 year old female was injured from heat exhaustion
July 9, 2002	Clark	1	0	Heat	Las Vegas 46 year old female dead from heat stroke and other health factors
July 10, 2002	Clark	2	0	Heat	Las Vegas 41 year old male dead from heat stress and other health factors 82 year old male dead from environmental heat exposure and other health factors
July 11, 2002	Clark	1	0	Heat	Las Vegas 42 year old dead from heat exposure and dehydration
July 12, 2002	Clark	1	0	Heat	Las Vegas 43 year old female dead from heat stress and other factors

July 12, 2002	Inyo	0	1	Heat	Death Valley A 23 year old male was injured from heat exhaustion
July 13, 2002	Clark	2	0	Heat	Las Vegas 87 year old female dead from heat stress and other health factors 69 year old male dead from heat stress, malnutrition and other health factors
July 14, 2002	Clark	3	0	Heat	Las Vegas 69 year old female dead from heat stress and other factors 74 year old female dead from heat stress and other health factors 37 year old female dead from heat stress
July 15, 2002	Clark	2	0	Heat	Las Vegas 55 year old male dead from heat stress and other health factors 62 year old male dead from heat stress and multiple drug intoxication
July 16, 2002	Clark	3	0	Heat	Las Vegas 80 year old female dead from heat stress and other health factors 62 year old male dead from heat stress and other health factors 79 year old female dead from heat stress and other health factors
July 21, 2002	Clark	1	0	Heat	Las Vegas 87 year old female dead from heat stress and other health factors
July 22, 2002	Clark	1	0	Heat	Las Vegas 51 year old male dead from heat stress and other factors
July 22, 2002	Inyo	0	1	Heat	Death Valley A 17 year old female was injured from dehydration
July 23, 2002	Inyo	0	1	Heat	Death Valley

					A 39 year old female was injured from heat exhaustion
July 24, 2002	Inyo	1	0	Heat	Death Valley A man died from heat stroke
July 25, 2002	Inyo	0	1	Heat	Death Valley A 55 year old female was injured from heat exhaustion
July 26, 2002	Clark	1	0	Heat	Las Vegas 26 year old male due to heat stress and drug intoxication
July 27, 2002	Clark	1	0	Heat	Las Vegas 36 year old female dead from heat stress and other health issues
July 28, 2002	Clark	1	0	Heat	Las Vegas 1 dead male from heat stress and other health issues
July 28, 2002	Inyo	0	1	Heat	Death Valley A 46 year old male was injured from heat exhaustion
August 3, 2002	Clark	1	0	Heat	Las Vegas 54 year old male dead from heat stress and other issues
August 13, 2002	Clark	1	0	Heat	Las Vegas 81 year old male dead from heat stress and other health issues
August 17, 2002	Clark	1	0	Heat	Las Vegas 72 year old female dead from heat stress and other health issues
August 18, 2002	Clark	1	0	Heat	Las Vegas 66 year old male dead from heat stress and other health factors
August 28, 2002	Inyo	1	0	Heat	Death Valley A 32 year old male died from heat stroke
August 29, 2002	Clark	1	0	Heat	Las Vegas 32 year old male dead from exertional heat stroke and other health factors
September 10, 2002	Clark	1	0	Heat	Las Vegas 83 year old female dead from dehydration and heat stress

October 9, 2002	Inyo	0	1	Heat	Death Valley A 79 year old female was injured from dehydration
2002	Mohave	2	0	Heat	Mohave County 2 dead from heat
March 22, 2003	Inyo	0	1	Heat	Death Valley A 48 year old male injured from heat exhaustion
April 9, 2003	Inyo	0	1	Heat	Death Valley 44 year old female injured from heat exhaustion
April 29, 2003	Clark	1	0	Heat	Las Vegas 86 year old male dead from heat stress and other health factors
May 24, 2003	Inyo	0	2	Heat	Death Valley 36 year old male and 64 year old male injured from heat stroke
May 25, 2003	Clark	1	0	Heat	Las Vegas 63 year old male dead from heat stress and other factors
May 27, 2003	Clark	1	0	Heat	Las Vegas 70 year old male dead from heat stress and other health issues
June 6, 2003	Clark	1	0	Heat	Las Vegas 7 month old male dead due to hyperthermia
June 17, 2003	Inyo	0	1	Heat	Death Valley 27 year old female injured from dehydration
June 18, 2003	Clark	2	0	Heat	Lake Mead/Golden Strike area 2 men dead after walking in heat without water – one 53 years old and one 43 years old
June 28, 2003	Clark	1	0	Heat	Las Vegas 40 year old male dead from acute hyperthermia/heat stroke
July 5, 2003	San Bernardino	1	0	Heat	Amboy Crater 1 hiker dead
July 6, 2003	Inyo	0	1	Heat	Death Valley 26 year old female injured from dehydration

July 7, 2003	Inyo	1	1	Heat	Death Valley 79 year old male dead after walking near sand dunes and suffering heat stroke 16 year old female injured from dehydration
July 9, 2003	Clark	1	0	Heat	Las Vegas 52 year old male dead due to exposure to heat and other health factors
July 11, 2003	Inyo	0	1	Heat	Death Valley 18 year old male injured from heat exhaustion
July 12, 2003	San Bernardino	1	0	Heat	San Bernardino County 1 boy died after he and his father got stuck in their car in a rural area and tried to walk for help
July 13, 2003	Clark	2	0	Heat	Las Vegas 88 year old female dead from heat stress and other health issues 50 year old female dead from heat stress and other issues
July 14, 2003	Clark	2	0	Heat	Las Vegas 47 year old male dead due to heat stress and alcoholism 52 year old male dead due to heat stroke and other health issues
July 14, 2003	San Bernardino	1	0	Heat	San Bernardino County 1 man got stuck in the desert in his car and died walking home
July 15, 2003	Clark	2	0	Heat	Las Vegas 75 year old male dead due to heat stress and other health issues 67 year old female dead due to heat stress and other health issues
July 16, 2003	Clark	1	0	Heat	Las Vegas 71 year old male dead due to dehydration and other health issues

July 19, 2003	Clark	1	0	Heat	Las Vegas 55 year old male dead due to exposure to heat and other health issues
July 20, 2003	Clark	1	0	Heat	Las Vegas 75 year old female dead due to heat stress and other health issues
July 20, 2003	San Bernardino	2	0	Heat	Twenty-Nine Palms 2 died from the heat after becoming stuck in their car and walking for help
July 21, 2003	Clark	3	0	Heat	Las Vegas 82 year old male dead from exposure to heat 65 year old female dead from exposure to heat 55 year old male dead from heat stress
July 29, 2003	Clark	1	0	Heat	Las Vegas A 2 year old girl was left in a car and died
August 8, 2003	Clark	1	0	Heat	Las Vegas 40 year old male dead due to heat stress and other health issues
August 13, 2003	Clark	1	0	Heat	Las Vegas 43 year old male dead from dehydration
August 14, 2003	Clark	2	0	Heat	Las Vegas 55 year old male dead from dehydration and other health issues 54 year old male dead from heat stress and other issues
August 20, 2003	Clark	1	0	Heat	Las Vegas 32 year old male dead from hyperthermia and drug intoxication
September 1, 2003	Clark	1	0	Heat	Las Vegas 79 year old male dead from heat stress and other health issues
2003	Mohave	3	0	Heat	Mohave County 3 dead from heat
March 30,	Inyo	0	1	Heat	Death Valley

2004					64 year old female injured from dehydration
May 27, 2004	Clark	1	0	Heat	Las Vegas 21 year old male dead from hyperthermia and drugs
May 30, 2004	Clark	1	0	Heat	Las Vegas 73 year old female dead from hyperthermia
June 5, 2004	Clark	2	0	Heat	Las Vegas 68 year old male dead from hyperthermia 38 year old male dead from hyperthermia
June 6, 2004	Clark	1	0	Heat	Las Vegas 51 year old homeless male dead from heat stress and other health issues
July 3, 2004	Clark	1	0	Heat	Las Vegas 84 year old female dead from heat stress and other health issues
July 9, 2004	Clark	1	0	Heat	Las Vegas 47 year old male dead from hyperthermia
July 13, 2004	Clark	1	0	Heat	Las Vegas 82 year old female dead from heat stress and other health issues
July 18, 2004	Inyo	0	1	Heat	Death Valley 17 year old female injured from dehydration
July 26, 2004	Clark	1	0	Heat	Las Vegas 3 year old male dead from heat stroke
July 28, 2004	Clark	1	0	Heat	Las Vegas 42 year old homeless male dead from hyperthermia and other issues
August 11, 2004	Clark	2	0	Heat	Las Vegas 46 year old male dead from exposure to heat and drugs 75 year old female dead from dehydration and heat stress
August 18, 2004	Clark	2	0	Heat	Las Vegas 35 year old male dead from hyperthermia and other issues

					56 year old female dead from hyperthermia and other issues
October 13, 2004	Inyo	1	0	Heat	Death Valley 47 year old male died from heat stroke
December 1, 2004	Clark	1	0	Heat	Las Vegas 70 year old male dead from hyperthermia and other health issues
2004	Mohave	2	0	Heat	Mohave County 2 dead from heat
April 12, 2005	Clark	1	0	Heat	Las Vegas 42 year old male dead from heat stroke and other issues
May 24, 2005	Clark	1	0	Heat	Las Vegas 50 year old male dead from hyperthermia and drugs
May 26, 2005	Clark	1	0	Heat	Las Vegas 46 year old female dead from dehydration and hyperthermia
June 14, 2005	Clark	1	0	Heat	Las Vegas 44 year old male dead from dehydration and hyperthermia
June 21, 2005	Clark	1	0	Heat	Las Vegas 25 year old male dead from hyperthermia and other issues
July 5, 2005	Clark	1	0	Heat	Las Vegas 83 year old female dead from heat stress and other health issues
July 6, 2005	Clark	2	0	Heat	Las Vegas 47 year old homeless female dead from environmental heat stress 84 year old female dead from environmental heat stress
July 6, 2005	Inyo	0	1	Heat	Death Valley 42 year old male injured from dehydration
July 7, 2005	Clark	1	0	Heat	Las Vegas 70 year old homeless male dead from heat stress
July 8, 2005	Clark	1	0	Heat	Las Vegas 1 year old male dead from hyperthermia
July 14, 2005	Clark	1	0	Heat	Las Vegas

					91 year old male dead from heat stress and other health issues
July 15, 2005	Clark	1	0	Heat	Las Vegas 62 year old homeless male dead from heat stress
July 16, 2005	Clark	2	0	Heat	Las Vegas 51 year old homeless male dead from hyperthermia and other factors 70 year old male dead from heat stress
July 18, 2005	Clark	2	0	Heat	Las Vegas 45 year old male dead from dehydration and other health issues 42 year old homeless male dead from heat stress and alcoholism
July 19, 2005	Clark	4	0	Heat	Las Vegas 52 year old homeless male dead from heat stress and alcoholism 67 year old female dead from heat stress and other medical issues 48 year old homeless female dead from heat stress 53 year old female dead from heat stress and other issues
July 20, 2005	Clark	2	0	Heat	Las Vegas 47 year old female dead from heat stress 52 year old homeless male dead from heat stress and alcoholism
July 21, 2005	Clark	1	0	Heat	Las Vegas 74 year old male dead from heat stress and other health issues
July 22, 2005	Clark	2	0	Heat	Las Vegas 86 year old male dead from heat stress 57 year old male dead from heat stress
July 23, 2005	Clark	1	0	Heat	Las Vegas

					48 year old male dead from heat stress
July 23, 2005	Inyo	1	0	Heat	Death Valley 1 man died at the Sand Dunes with limited water
July 25, 2005	Inyo	1	0	Heat	Death Valley 1 man died trying to reach a stranded vehicle near Saline Hot Springs
July 25, 2005	Clark	2	0	Heat	Las Vegas 61 year old male dead from hyperthermia and other issues 89 year old male dead from hyperthermia and other health issues
July 26, 2005	Clark	3	0	Heat	Las Vegas 73 year old male dead from hyperthermia and other health issues 77 year old female dead from hyperthermia and other health issues 50 year old male dead from hyperthermia and other health issues
July 27, 2005	Clark	2	0	Heat	Las Vegas 78 year old male dead from hyperthermia and other health issues 64 year old homeless male dead due to exposure to heat
July 30, 2005	Clark	1	0	Heat	Las Vegas 61 year old homeless male dead due to heat stress and other health issues
July 2005	Mohave	2	0	Heat	Lake Havasu City An 83 year old female died at home from hyperthermia Kingman A 68 year old female died at home from hyperthermia
August 2, 2005	Clark	1	0	Heat	Las Vegas 36 year old male dead from heat stress
August 4, 2005	Clark	1	0	Heat	Las Vegas 74 year old male from

					hyperthermia
August 5, 2005	Clark	1	0	Heat	Las Vegas 66 year old male dead from hyperthermia and other factors
August 11, 2005	Clark	1	0	Heat	Las Vegas 76 year old male dead from heat and other health issues
August 13, 2005	Clark	1	0	Heat	Las Vegas 41 year old male dead from heat stress
August 15, 2005	Clark	3	0	Heat	Las Vegas 51 year old homeless male dead from hyperthermia 17 year old female dead from hyperthermia and drugs 36 year old male dead from heat stress
August 22, 2005	Clark	1	0	Heat	Las Vegas 36 year old male dead from hyperthermia
August 24, 2005	Clark	1	0	Heat	Las Vegas 46 year old male dead from hyperthermia
August 27, 2005	Clark	2	0	Heat	Las Vegas 74 year old female dead from hyperthermia and other health issues 77 year old homeless male dead from hyperthermia and other health issues
August 28, 2005	Clark	1	0	Heat	Las Vegas 54 year old female dead due to hyperthermia
August 2005	Mohave	1	0	Heat	Bullhead City A 41 year old male died from heat stroke at a work site
2005	Mohave	1	0	Heat	Mohave County 1 dead from heat (month unknown)
May 16, 2006	Inyo	1	0	Heat	Death Valley 63 year old female died from heat stroke
May 18, 2006	Clark	1	0	Heat	Las Vegas 51 year old female dead from exposure to heat and drug

					usage
May 21, 2006	Clark	1	0	Heat	Las Vegas 57 year old male dead from heat stress and alcoholism
June 3, 2006	Clark	1	0	Heat	Las Vegas 64 year old male dead from heat stress
June 4, 2006	Clark	1	0	Heat	Las Vegas 48 year old man dead from heat stress and drug intoxication
June 5, 2006	Clark	1	0	Heat	Las Vegas 36 year old homeless male dead from heat stress and drug intoxication
June 12, 2006	Clark	1	0	Heat	Las Vegas 69 year old male dead due to heat stress and other health issues
June 13, 2006	Clark	1	0	Heat	Las Vegas 33 year old dead from heat stress and other health issues
June 16, 2006	Clark	1	0	Heat	Las Vegas 39 year old male dead from heat stress
June 20, 2006	Clark	1	0	Heat	Las Vegas 67 year old male dead from hyperthermia and other health issues
June 21, 2006	Clark	1	0	Heat	Las Vegas 65 year old male dead from hyperthermia and other health issues
June 24, 2006	Clark	2	0	Heat	Las Vegas 79 year old female dead from hyperthermia and other health issues 46 year old homeless male dead from hyperthermia and drug intoxication
June 25, 2006	Clark	1	0	Heat	Las Vegas 65 year old homeless male dead due to hyperthermia and drug intoxication
June 26, 2006	Clark	1	0	Heat	Las Vegas 54 year old male dead due to

					hyperthermia and other health issues
June 28, 2006	Clark	1	0	Heat	Las Vegas 56 year old male fell after becoming ill in heat and suffering blunt force trauma as a result of the fall
July 1, 2006	Clark	1	0	Heat	Las Vegas 31 year old homeless male dead due to heat stress and drug intoxication
July 2, 2006	Clark	1	0	Heat	Las Vegas 44 year old male dead due to heat stress and drug intoxication
July 15, 2006	Clark	1	0	Heat	Las Vegas 51 year old homeless male dead from heat stress and intoxication
July 17, 2006	Clark	1	0	Heat	Las Vegas 59 year old homeless male dead from heat stress
July 18, 2006	Clark	1	0	Heat	Las Vegas 66 year old male dead from heat stress and other health issues
July 20, 2006	Clark	2	0	Heat	Las Vegas 75 year old male dead from hyperthermia and other health issues 46 year old male dead from heat stress and other health issues
July 21, 2006	Clark	1	0	Heat	Las Vegas 64 year old male dead from exposure to heat and other issues
July 22, 2006	Clark	1	0	Heat	Las Vegas 44 year old male dead from heat stress and drug intoxication
July 23, 2006	Clark	1	0	Heat	Las Vegas 50 year old male dead from heat stress and intoxication
July 24, 2006	Clark	1	0	Heat	Las Vegas 75 year old male dead from

					heat stress and other health issues
July 25, 2006	Clark	1	0	Heat	Las Vegas 80 year old male dead from heat stress and other health issues
July 27, 2006	Clark	1	0	Heat	Las Vegas 82 year old male dead from heat stress and other health issues
July 29, 2006	Clark	1	0	Heat	Las Vegas 53 year old homeless male dead from heat stress
August 1, 2006	Clark	2	0	Heat	Las Vegas 61 year old male dead from heat stress 72 year old male dead from heat stress and other health issues
August 21, 2006	Clark	1	0	Heat	Las Vegas 69 year old male dead from dehydration and heat stress
August 23, 2006	Clark	1	0	Heat	Las Vegas 75 year old male dead from heat stress and other health issues
2006	Mohave	1	0	Heat	Mohave County 1 dead from heat
May 13, 2007	Clark	1	0	Heat	Las Vegas 1 dead 84 year old from hypothermia
June 26, 2007	Clark	1	0	Heat	Las Vegas 1 man died from heat stress
July 3, 2007	Clark	1	0	Heat	Las Vegas 1 dead from hyperthermia
July 5, 2007	Clark	1	0	Heat	Las Vegas 1 dead from hyperthermia
July 7, 2007	Clark	1	0	Heat	Las Vegas 1 dead from hyperthermia
July 10, 2007	Clark	1	0	Heat	Las Vegas 1 dead from hyperthermia
July 12, 2007	Clark	1	0	Heat	Las Vegas 1 dead from hyperthermia
July 15, 2007	Clark	1	0	Heat	Las Vegas 1 dead from hyperthermia
July 17, 2007	Clark	1	0	Heat	Las Vegas

					1 dead from hyperthermia
August 2, 2007	Clark	1	0	Heat	Las Vegas 1 dead
August 10, 2007	Clark	1	0	Heat	Las Vegas 1 dead
August 16, 2007	Clark	1	0	Heat	Las Vegas 1 dead
September 2, 2007	San Bernardino	1	0	Heat	Morongo Basin 1 dead
2007	Mohave	1	0	Heat	Mohave County 1 dead from heat
March 6, 2008	Inyo	0	1	Heat	Death Valley 78 year old male injured from heat exhaustion
April 12, 2008	Inyo	0	1	Heat	Death Valley 25 year old male injured from dehydration
April 13, 2008	Inyo	0	1	Heat	Death Valley 62 year old male injured from heat exhaustion
May 22, 2008	Inyo	0	1	Heat	Death Valley 64 year old female injured from heat exhaustion
June 8, 2008	Clark	1	0	Heat	Las Vegas 1 boy died after being left in a car
June 23-25, 2008	Clark	3	0	Heat	Las Vegas 3 dead from environmental heat stress
June 30, 2008	Inyo	0	1	Heat	Death Valley 58 year old male injured from dehydration
July 3, 2008	Inyo	0	1	Heat	Death Valley 36 year old male injured from dehydration
July 11, 2008	Clark	2	0	Heat	Las Vegas 2 dead from environmental heat stress
July 14-15, 2008	Clark	2	0	Heat	Las Vegas 2 dead from environmental heat stress
July 15, 2008	Inyo	0	1	Heat	Death Valley 31 year old female injured from heat exhaustion
July 16, 2008	Inyo	0	1	Heat	Death Valley

					16 year old male injured from heat stroke
July 18, 2008	Inyo	0	1	Heat	Death Valley 40 year old male injured from heat exhaustion
July 24, 2008	Inyo	0	2	Heat	Death Valley 25 year old female injured from dehydration and 62 year old female injured from heat exhaustion
July 26, 2008	Clark	1	0	Heat	Las Vegas 1 dead from environmental heat stress
August 1, 2008	Clark	1	0	Heat	Las Vegas 1 dead from heat-related causes
August 4, 2008	Clark	1	0	Heat	Las Vegas 1 dead from heat-related causes
August 6, 2008	Clark	1	0	Heat	Las Vegas 1 dead from heat-related causes
August 8, 2008	Clark	1	0	Heat	Las Vegas 1 dead from heat-related causes
August 10, 2008	Clark	1	0	Heat	Las Vegas 1 dead from heat-related causes
August 12, 2008	Clark	1	0	Heat	Las Vegas 1 dead from heat-related causes
August 12, 2008	Inyo	0	2	Heat	Death Valley 27 year old and 29 year old females injured from heat exhaustion
August 15, 2008	Inyo	0	1	Heat	Death Valley 52 year old male dead from heat exhaustion
August 20, 2008	Clark	1	0	Heat	Las Vegas 1 dead from heat-related causes
September 4, 2008	Clark	2	0	Heat	Las Vegas 2 dead from heat-related causes
September 10, 2008	Clark	1	0	Heat	Las Vegas 1 dead from heat-related

					causes
September 25, 2008	Inyo	0	1	Heat	Death Valley 58 year old male dead from dehydration
2008	Mohave	3	0	Heat	Mohave County 3 dead from heat
January 10, 2009	Inyo	0	1	Heat	Death Valley 48 year old female injured from dehydration
April 19, 2009	Inyo	0	1	Heat	Death Valley 66 year old male injured from heat exhaustion
May 3, 2009	Inyo	0	1	Heat	Death Valley 61 year old female injured from heat exhaustion
May 4, 2009	Inyo	0	1	Heat	Death Valley 52 year old female injured from heat exhaustion
May 11, 2009	Inyo	0	1	Heat	Death Valley 72 year old female injured from heat exhaustion
May 19, 2009	Inyo	1	0	Heat	Death Valley 69 year old man died after getting disoriented in the heat from combination of health and heat-related issues
June 27, 2009	Inyo	0	1	Heat	Death Valley 23 year old male injured from heat stroke
July 13, 2009	Clark	1	0	Heat	Las Vegas 1 man dead from heat-related stress
July 13, 2009	Inyo	0	1	Heat	Death Valley 63 year old female injured from heat exhaustion
July 14, 2009	Clark	1	0	Heat	Las Vegas 1 man dead from heat-related stress
July 15, 2009	Clark	1	0	Heat	Las Vegas 1 man dead from heat-related stress
July 18, 2009	Clark	1	0	Heat	Las Vegas 1 woman dead from heat-related stress
July 23, 2009	Inyo	0	1	Heat	Death Valley

					27 year old male injured from heat exhaustion
July 26, 2009	Inyo	1	3	Heat	Death Valley 52 year old female died and 3 injured (33 year old female, 40 year old male and 70 year old male) after falling ill to the heat after walking around
July 29, 2009	Clark	1	0	Heat	Las Vegas 1 woman dead from heat-related stress
July 29, 2009	Inyo	0	1	Heat	Death Valley 26 year old male died from heat exhaustion
July 30, 2009	Inyo	0	1	Heat	Death Valley 68 year old male died from dehydration
July 31, 2009	Clark	1	0	Heat	Las Vegas 1 man dead from heat-related stress
August 5, 2009	San Bernardino	1	1	Heat	Death Valley 11 year old boy died after being stranded with his mother in a remote area after their vehicle got stuck. His 28 year old mother was injured from dehydration.
August 12, 2009	Inyo	0	1	Heat	Death Valley 18 year old male injured from heat exhaustion
May 8, 2010	Inyo	0	1	Heat	Death Valley 18 year old male injured from heat exhaustion
May 27, 2010	Inyo	0	1	Heat	Death Valley 18 year old male injured from dehydration
June 4, 2010	Clark	1	0	Heat	Las Vegas 1 woman dead from heat-related causes
June 6, 2010	Clark	1	0	Heat	Las Vegas 1 person dead from heat-related causes
June 21, 2010	Inyo	0	1	Heat	Death Valley 37 year old female injured from heat exhaustion
June 26, 2010	Inyo	0	1	Heat	Death Valley

					50 year old female injured from heat exhaustion
June 28, 2010	Inyo	0	1	Heat	Death Valley 48 year old female injured from heat exhaustion
June 30, 2010	Inyo	0	1	Heat	Death Valley 17 year old female injured from heat exhaustion
July 4-12, 2010	Clark	5	0	Heat	Las Vegas 5 people dead from heat-related causes
July 12, 2010	Inyo	0	1	Heat	Death Valley 26 year old male injured from dehydration
July 14, 2010	Inyo	0	1	Heat	Death Valley 19 year old male injured from heat exhaustion
July 15-19, 2010	Clark	6	0	Heat	Las Vegas 6 people dead from heat-related causes
July 18, 2010	Inyo	0	1	Heat	Death Valley 42 year old female injured from dehydration
July 20, 2010	Inyo	0	1	Heat	Death Valley 23 year old female injured from dehydration
July 24, 2010	Clark	1	0	Heat	Lake Mead/Telephone Cove 1 person dead from heat-related causes
July 24-30, 2010	Clark	6	0	Heat	Las Vegas 6 people dead from heat-related causes
July 30, 2010	Inyo	0	2	Heat	Death Valley 32 year old female and 41 year old male injured from heat exhaustion
August 3-6, 2010	Clark	2	0	Heat	Las Vegas 2 people dead from heat-related causes
August 6, 2010	Clark	1	0	Heat	Lake Mead 1 people dead from heat-related causes
August 9, 2010	Inyo	0	2	Heat	Death Valley 23 year old male and 29 year old male both were injured from heat exhaustion

August 17, 2010	Inyo	0	1	Heat	Death Valley 63 year old male injured from dehydration
August 27, 2010	Inyo	0	3	Heat	Death Valley 15 year old male, 41 year old male and a 54 year old male were all injured from dehydration
September 3, 2010	Inyo	0	1	Heat	Death Valley 44 year old female injured from dehydration
September 20, 2010	Mohave	1	0	Heat	Kingman 1 baby girl died in locked car
September 25, 2010	Inyo	0	1	Heat	Death Valley 28 year old male injured from heat cramps
June 11, 2011	Inyo	0	1	Heat	Death Valley 54 year old male injured from heat exhaustion
July 3-7, 2011	Clark	3	0	Heat	Las Vegas 3 people dead from complications due to heat exposure
July 9, 2011	Inyo	0	3	Heat	Death Valley 33 year old male and 34 year old male injured from heat exhaustion and a 14 year old female injured from dehydration
July 14, 2011	Inyo	0	1	Heat	Death Valley 15 year old female injured from heat exhaustion
July 18, 2011	Inyo	0	6	Heat	Death Valley 2 19 year old males, a 22 year old female, a 36 year old female and a 56 year old male were all injured from dehydration and a 40 year old female was injured from dehydration
July 19, 2011	Inyo	0	1	Heat	Death Valley 30 year old female injured from heat exhaustion
July 29, 2011	Inyo	0	1	Heat	Death Valley 17 year old male injured from heat exhaustion

August 14, 2011	Inyo	0	1	Heat	Death Valley 35 year old female injured from heat exhaustion
August 17, 2011	Inyo	0	1	Heat	Death Valley 16 year old male injured from dehydration
August 21, 2011	Clark	1	0	Heat	Las Vegas 1 man died due to complications from heat
August 25, 2011	Clark	1	0	Heat	Las Vegas 1 man died due to complications from heat
August 30, 2011	Inyo	0	1	Heat	Death Valley 41 year old female injured from dehydration
September 8, 2011	Inyo	0	1	Heat	Death Valley 70 year old male injured from heat exhaustion
July 4, 2012	Clark	1	0	Heat	Las Vegas 1 60 year old female died from heat complications
July 11, 2012	Clark	1	0	Heat	Las Vegas 54 year old male died from heat
August 7, 2012	Inyo	1	0	Heat	Death Valley A 34 year old male runner died of heat stroke
August 8-11, 2012	Clark	3	0	Heat	Las Vegas 3 males (ages 51, 54 and 52) died of heat related complications
August 14-15, 2012	Clark	2	0	Heat	Las Vegas A 64 year old female and a 37 year old male died from heat related causes
June 6-9, 2013	Clark	1	3	Heat	Las Vegas An 86 year old female died in a house and 3 people were injured from heat
June 6-9, 2013	Mohave	1	5	Heat	Lake Mead National Recreation Area A 69 year old male died from heat outside 5 people were injured.
June 28-30,	Clark	1	5	Heat	Lake Mead National Recreation Area

2013					A 26 year old male died outside and 5 were injured from heat
June 28-30, 2013	Clark	2	353	Heat	Las Vegas A 66 year old male died outside, an 80 year old male died in a house and 353 were injured from heat
June 28, 2013	Inyo	2	0	Heat	Death Valley 2 people died from heat
June 29, 2013	Mohave	0	3	Heat	Bullhead City 3 people were injured from heat
July 1, 2013	Mohave	0	1	Heat	Oatman One person was injured from the heat in Oatman after power failed due to a thunderstorm
July 1-4, 2013	Clark	37	213	Heat	Las Vegas 75 year old male in a permanent home 74 year old male in a permanent home 69 year old male died outdoors 41 year old male injured outdoors 83 year old male died outdoors 64 year old male died outdoors 59 year old male injured outdoors 57 year old male died outside 43 year old male died outside 32 year old male died outside 44 year old male injured outside 59 year old male injured outside 36 year old male died outside 83 year old male injured outside 44 year old male injured in a house 73 year old male died in a

					<p>house</p> <p>60 year old female died in a house</p> <p>58 year old male injured in a house</p> <p>64 year old female died in a house</p> <p>58 year old male injured in a house</p> <p>64 year old female died in a house</p> <p>69 year old male died in a house</p> <p>88 year old male injured in a house</p> <p>85 year old female died in a house</p> <p>71 year old male died in a house</p> <p>95 year old female died in a house</p> <p>88 year old female died in a house</p> <p>72 year old female died in a house</p> <p>56 year old male in a house</p> <p>50 year old male died in a house</p> <p>73 year old male died in a house</p> <p>52 year old female died in a house</p> <p>59 year old male died in a permanent structure</p> <p>Male (age unknown) injured in a permanent structure</p> <p>39 year old male died in a permanent structure</p> <p>48 year old female injured in a permanent structure</p> <p>86 year old male died in a permanent structure</p> <p>79 year old male died in a permanent structure</p>
July 1-5, 2013	Clark	1	0	Heat	<p>Laughlin</p> <p>80 year old male died outside</p>

July 15, 2013	Clark	1	0	Heat	Las Vegas A 50 year old male died in a vehicle from heat
July 18-20, 2013	Clark	5	0	Heat	Las Vegas 73 year old male died in a house 47 year old male died in a house 66 year old female died in a house 84 year male died in a house 44 year old male was indirectly killed in a permanent structure
July 27, 2013	Clark	1	0	Heat	Las Vegas 74 year old female died in a house
July 30, 2013	Clark	1	0	Heat	Las Vegas 72 year old male died in a house
August 6, 2013	Clark	2	0	Heat	Las Vegas A 75 year old male died in a house A 73 year old male died in a house
August 15-17, 2013	Clark	2	0	Heat	Las Vegas 67 year old male died outside from heat An 88 year old female died outside from heat
September 19, 2013	Inyo	1	0	Heat	Death Valley National Park A 64 year old male died outside from heat stroke
June 3, 2014	Mohave	1	0	Heat	Lake Mead National Recreation Area A 62 year old male died while hiking to the Arizona Hot Spring.
June 6, 2014	Inyo	1	0	Heat	Death Valley National Park A 54 year old male tourist died of heat-related causes.
June 8-11, 2014	Clark	2	0	Heat	Las Vegas A 54 year old female died outside from heat-related causes.

					A 64 year old male died outside from heat-related causes.
July 1, 2014	Clark	3	0	Heat	Las Vegas A 78 year old female died in a permanent home from heat-related causes. An 80 year old male died of heat-related causes in a permanent home. A 68 year old female died in a vehicle from heat-related causes.
July 3, 2014	Inyo	1	0	Heat	Death Valley National Park A 50 year old male celebrity died while hiking near Dantes View from heat stroke.
July 5, 2014	Clark	1	0	Heat	Las Vegas A 76 year old man died from heat-related causes in a permanent home.
July 9, 2014	Clark	1	0	Heat	Las Vegas A 91 year old woman died of heat-related causes in a permanent home.
July 17, 2014	Clark	1	0	Heat	Las Vegas A 54 year old male died of heat-related causes in a permanent home.
July 22, 2014	Clark	1	0	Heat	Las Vegas A 65 year old male died of heat-related causes outside.
August 2, 2014	Clark	1	0	Heat	Las Vegas A 58 year old male died from heat in a vehicle.
August 10, 2014	Clark	1	0	Heat	Las Vegas A 74 year old male died from heat in a permanent house.
August 18, 2014	Clark	1	0	Heat	Las Vegas A 65 year old male died from heat in a permanent structure
June 19-30, 2015	Clark	2	17	Heat	Las Vegas A 75 year old female died in a permanent structure A 45 year old male indirectly died from heat in a permanent

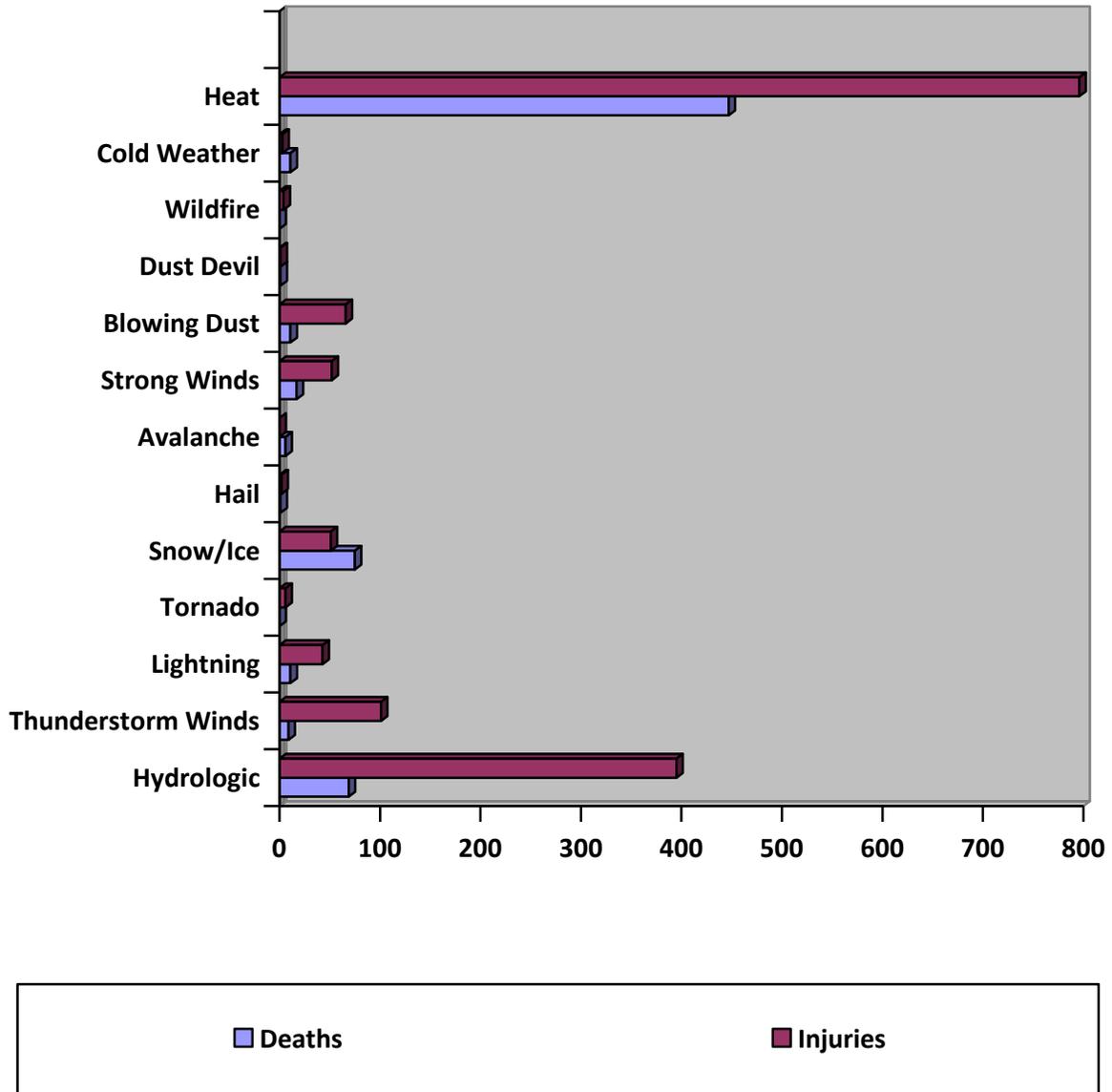
					structure. 17 people needed medical treatment for heat-related illness or dehydration
July 1-4, 2015	Clark	13	0	Heat	Las Vegas 13 people died from heat (11 direct, 2 indirect) A 30 year old male and 2 55 year old males died outside, a 48 year old male died in a permanent structure, an 84 year old female died in a permanent home, males the ages of 56, 60, 64, 71 and 74 died in permanent homes. A 58 year old male and 65 year old male indirectly died.
July 7, 2015	Clark	1	0	Heat	Las Vegas A 20 year old male indirectly died from heat in an permanent structure
July 14-15, 2015	Clark	3	0	Heat	Las Vegas A 50 year old female died outside and a 57 year old female died directly from heat in a permanent home A 20 year old male indirectly died in a permanent structure
July 26-28, 2015	Clark	3	0	Heat	Las Vegas A 65 year old male died outside, an 88 year old male died in a permanent home and a 64 year old female edited in a permanent structure directly from heat
August 1, 2015	Mohave	2	0	Heat	Lake Mead National Recreation Area A 66 year old male and a 65 year old female couple died in their van after it became stuck on a dirt road.
August 5-6, 2015	Clark	3	0	Heat	Las Vegas An 80 year old male died in a permanent home and a 70 year old male died outside. A 66 year old male died

					indirectly from heat outside.
August 11, 2015	Clark	1	0	Heat	Las Vegas An 84 year male died outside from heat-related causes.
August 16-17, 2015	Clark	2	0	Excessive Heat	Las Vegas A 74 year old male died in a vehicle and a 55 year old male died indirectly in a permanent home.
August 24, 2015	Clark	1	0	Heat	Las Vegas A 63 year old male died in a vehicle from heat-related causes.
August 27, 2015	Clark	1	0	Heat	Las Vegas A 4 year old boy died after being left in a vehicle.
September 3-8, 2015	Clark	2	0	Heat	Las Vegas A 49 year old male died outside and a 64 year old male died indirectly outside from heat.
September 12, 2015	Clark	2	0	Excessive Heat	Las Vegas 2 people died from heat (one was a 39 year old male in a permanent structure)
September 23, 2015	Inyo	0	1	Heat	Death Valley National Park 1 hiker suffered from heat exhaustion.
September 25, 2015	Clark	0	1	Heat	Las Vegas A male who suffered from dehydration and heat exhaustion downtown
September 26, 2015	Clark	0	1	Heat	Henderson A woman suffered from dehydration and heat exhaustion near Sloan Canyon while carrying her injured dog while hiking.
September 30, 2015	Clark	1	0	Heat	Las Vegas An 80 year old male died indirectly from heat in a permanent structure.

Heat has killed a total of 447 people in the National Weather Service Las Vegas CWA and injured 796 people. July, which is usually the hottest month of the year, has the largest number of deaths with a total of 244 which is more than June and August do combined. Heat deaths have

been documented as early as March and as late as December. Several trends showed up with heat deaths by age group. Deaths involving those over age 60 often involved other medical issues with this especially true with deaths over age 80. A number of deaths to young children were due to them being locked in vehicles with no windows open or air conditioning on. Young adults in the 20s and early 30s were almost always linked with intoxication of drugs and alcohol as were a number of homeless people. Hikers and outdoor enthusiasts were also accounted for a number of deaths after succumbing to the heat from a lack of water. People stranded in rural desert areas while driving and ultimately walked for help after failing to get any also accounted for several deaths.

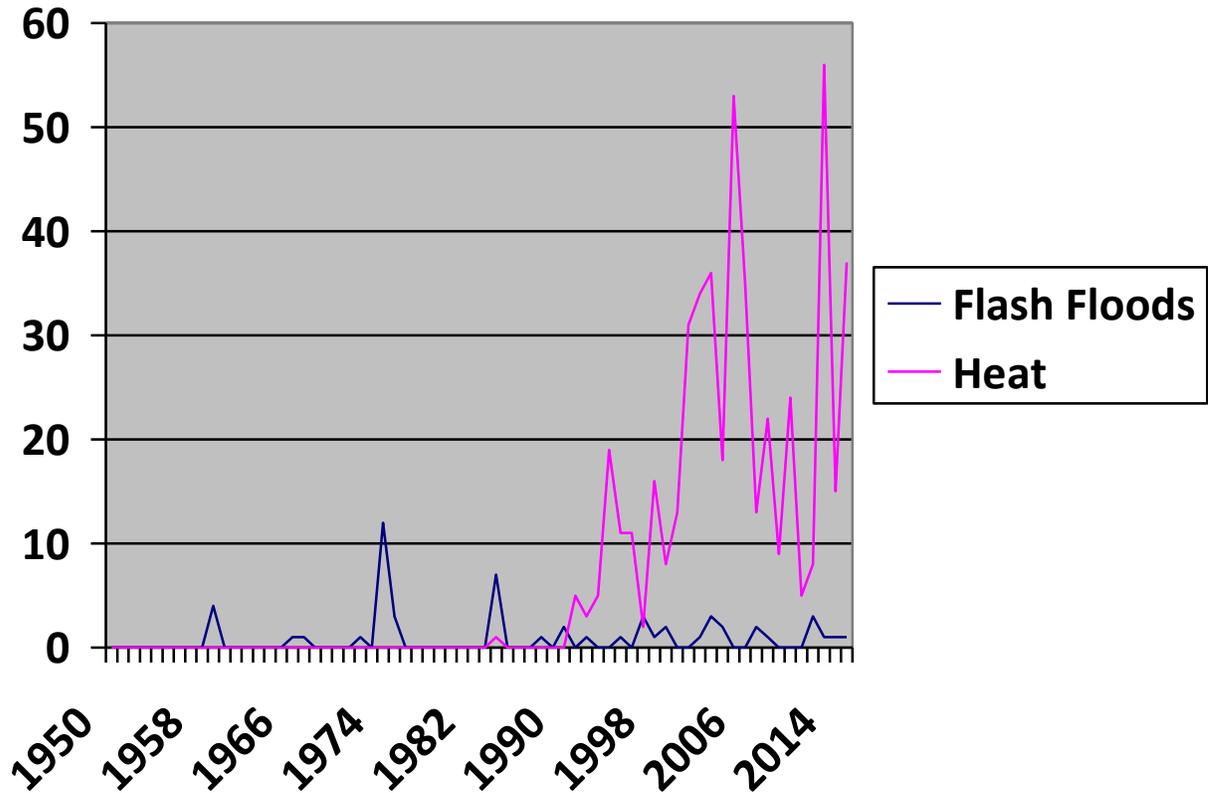
Number of Deaths and Injuries By Weather Hazard In The Las Vegas CWA



The above graph shows the number of deaths and injuries by the type of weather hazard in the Las Vegas National Weather Service Office CWA. Hydrologic impacts of flash floods, river floods, landslides and heavy rain were lumped together into one group. Heat by far has killed

more people in the Las Vegas CWA than all other weather hazards combined with a total of 447 people killed by heat compared to 211 for all other weather hazards. Most injuries resulted from heat followed by hydrological issues, then thunderstorm winds and then blowing dust. The second leading cause of deaths was from hydrologic concerns followed by snow and ice.

A Comparison Of Deaths From Flash Floods and Heat Since 1950



Given the lack of official death and injury numbers before 1950, it was decided to compare the number of deaths from flash floods to heat in the National Weather Service Las Vegas CWA since then. Flash flood deaths do show two trends. While the overall number of deaths in a given year was higher back in the 1970s and 1980s, the frequency of flash flood deaths is more common now than prior to 1990. This could be attributed to reporting methodologies as well as an increase in population in the Las Vegas CWA. No record of heat deaths exists prior to 1991, but since then a noted spike upwards in heat deaths can be seen especially from 2001 onwards. The above chart corrects for the bias in *Storm Data and Unusual Weather Phenomena* of underreporting by including the deaths obtained from the Clark County Coroner’s Office and the National Park Service. However, raw numbers from the Clark County Coroner’s Office alone show an increase in heat related deaths since 1991. This is likely attributed to the increase in population in the county in the last twenty years. In addition, the urban heat island in the Las Vegas has also become more pronounced since the mid 1990s and especially since 2002. In the NWS Las Vegas CWA, as a whole, numbers are largely skewed by data from Clark County for flash floods and heat due to its larger population. Reviewing figures for heat shows August 2001

was the first month were at least 10 people died from heat-related deaths in the Las Vegas CWA. 2005, when Las Vegas saw its' hottest day ever on July 19th, saw a total of 49 dead in the entire CWA with 31 alone in July.

Deadliest Events Overall

Below is a list of the deadliest events overall for any hazard:

Date(s)	County	Number Dead	Cause	Description
June 28-July 5, 2013	Clark, Inyo & Mohave	43	Heat	Super Western Heat Wave 43 people died from Excessive Heat
February 18, 1969	Inyo	35	Heavy Snow and Low Visibility	Mt. Whitney 35 people were killed when Hawthorne Nevada Airlines Flight 708 hit the east slope of Mt. Whitney due to snow and low visibility
November 15, 1964	Clark	28	Heavy Snow and Low Visibility	Outside of Las Vegas 28 people were killed when a Bonanza Airlines flight crashed due to low clouds and low visibility from heavy snow
July 14-23, 2005	Clark	17	Heat	Heat Wave, including hottest day ever in Las Vegas on the 19 th
July 9-16, 2002	Clark	15	Heat	Heat Wave <i>At least one death every day during this stretch</i>
July 15-29, 2006	Clark	12	Heat	Heat Wave
July 12-16, 2003	Clark	9	Heat	Heat Wave
September 14, 1974	Clark	9	Flash Flood	Eldorado Canyon/Nelson's Landing Flash Flood <i>At least 9 dead</i>
July 25-27, 2005	Clark	8	Heat	Heat Wave
July 24-30, 2010	Clark	6	Heat	Heat Wave
July 15-19, 2010	Clark	6	Heat	Heat Wave <i>Lows in 90s each day from the 16th -19th</i>
July 4-12, 2010	Clark	5	Heat	Heat Wave

July 1-2, 1999	Clark	5	Heat	Hot Spell
September 10, 1984	Clark	5	Flash Flood	Las Vegas 5 people killed when they tried to cross a road in a pick-up truck