



**Civil Disturbance and Terrorism**

There are five types of terrorism, including an active aggressor, biological terrorism, chemical terrorism, cyberterrorism, and agroterrorism.



**Cyber Attack**

Cyber-attacks are attempted by hackers who attempt to gain unauthorized access to computer networks. Summit County has had four hacks into numerous departments. One attack on the City of Akron had a demand of \$5 million.



**Extreme Cold & Heat**

There have been at least 5 extreme temperature events since 1995. Extreme cold has caused \$150,000 in property damage.



**Drought**

Droughts occur when water levels drop. They can occur anywhere, and they increase the risks of flash floods, wildfires, and landslides. Droughts occurred in Summers of 1996 and 1999. In 1999 there was \$1.5 million in crop damage reported.



**Flooding**

Floods are typically riverine, coastal, or shallow. Flash floods are floods that occur quickly, even occurring without visible signs of precipitation. Summit County has experienced 54 floods and flash floods since 1995. These events caused over \$180 million in property damage.



**Dam Failure**

Occurs when any artificial barrier that impounds or diverts water is suddenly released in an uncontrollable manner, resulting in a flood wave that can damage buildings and infrastructure. Summit County has 34 dam properties ranked as significant or high hazard potential.



**Hazardous Materials Incident**

Hazardous materials (HAZMAT) are potentially harmful to environmental and/or human health. HAZMAT may be used for manufacturing, processing, or long-term storage. HAZMAT spills can occur near storage facilities or during transport.



**Infectious Diseases**

Infectious diseases are caused by microscopic germs such as viruses, parasites, fungi, and parasites. Illnesses can range from the common cold or flu, Lyme disease, to more deadly diseases like Covid-19 or HIV.



**Landslides and Subsidence**

Subsidence is the motion of the earth's surface as it shifts downward, and landslides are the downslope movement of soil and rock. Common causes include rain, floods, urban development, and subsurface activity.



**Tornadoes**

Tornadoes usually occur during severe thunderstorm events.

Summit County has experienced at least 10 tornadoes since 1995. Tornadoes have caused at least one injury and \$12.6 million in property damage.



**Severe Storms**

Severe storms include hailstorms, heavy rain, high wind, and thunder/lightning storms. There have been 261 events in Summit County since 1995, causing \$32.2 million in property damage.



**Transportation Incidents**

Transportation incidents refers to any form of transportation, including air transport, road transport, boat transport, and rail transport. There have been over 11 transportation incidents causing several deaths and over 100 injuries.



**Utility Interruption**

Utility interruptions can be caused by several other hazards, including tornadoes, high winds, flash floods, winter storms, and landslides. Loss of power, gas, and/or water is more than just a nuisance, as it can be life threatening as well. There have been 102 weather events since 1995 in Summit County that has caused a loss of power for residents



**Water Contamination**

Water contamination is linked to the transmission of diseases including cholera, diarrhea, and hepatitis A. Continued exposure to contaminated water can also lead to life threatening diseases including cancer.



**Winter Storms**

Winter storms can include extreme cold, freezing rain, ice, snow, high winds, or any combination of these conditions. Since 1995, winter storms have caused approximately \$13.8 million in property damage in Summit County.



**Earthquake**

Earthquakes are sudden and rapid movements caused by the abrupt shifting of Earth's tectonic plates deep beneath the surface. Although earthquakes are very rare, they are unpredictable and can be catastrophic.



**Wildfire**

Wildfires are fires that occur in the wilderness or countryside and can spread quickly. Summit County has. Summit County averages three wildfire events per year.