

OVER THE EDGE
IN 3D

DEATH IN
GRAND CANYON

THE COMPLETE AND COMPREHENSIVE HISTORY OF GRAND CANYON MISADVENTURES - MAPPED IN 3D!

OVER 700 DEATHS HAVE OCCURRED IN GRAND CANYON FROM THE FIRST RIVER EXPLORATION BY JOHN WESLEY POWELL AND HIS CREW OF 1869 TO TOURISTS FALLING OFF THE RIM TODAY.

This map is presented in Chromadepth and is best viewed with Chromadepth 3D glasses. Chromadepth is a holographic 3D image display technique that allows the creation of images that can be viewed as 2 dimensional images alone, but which jumps into holographic 3D when viewed with Chromadepth 3D glasses. For colour encoding on a black background, red appears closest and blue furthest. Other colours are placed between these two visual endpoints. See www.chromatex.com for details.

Map by Kenneth Field and Damien Demaj, Esri Inc.
Locations of deaths based on Ghiglietti, M. P. and Myers, T. M. (2012) *Over the Edge: Death in Grand Canyon* (2ed), Puma Press, Flagstaff AZ. Used with permission.
Basemap data sources: National Geospatial Intelligence Agency, U.S. Geological Survey, Esri Inc., U.S. Environmental Protection Agency, U.S. National Park Service, Navteq

 While sitting at a picnic table, gusty winds tore from a nearby tree, which fell on Hock, killing

Wearing a knee brace and using a cane, Hillyer of Missouri, made a solo hiking ascent in cold weather, but wandered off route 11 mile west of Mt. Rushmore, killing her.

During one of the most severe storms known in Arizona during the 20th century, a warm rain storm (2.3 inches) fell during December 31-January 1 and melted a heavy snowpack. The most destructive Havas flood known of many occurred as the flow breached four earthen dams built by others on the Coconino Plateau to create a 200-foot-high wall of water in Cataract Canyon, filling it wall to wall at dawn. A blind and feeble Supai woman was unable to flee and drowned, as did about 20 horses. The flood destroyed Supai Village at a time when most Havas were absent (luckily) on the plateau. It also dewatered Havas Falls by 30 feet and Beaver Falls by 33-60 feet.

See inset for
South Rim &
Grand Canyon
Village detail

✈️ **1988 Super Constellation Flight 2** entered the vertical airspace of United Airlines DC-7 Flight 711, 600 feet. Both were bound east out of LAX on a reasonably clear day dotted with cumulonimbus clouds. Both aircraft were 5 miles and 25 miles off plotted course, respectively, to purposely fly over the major collision-belt aircraft flow in the Pacific basin of each other's route was witnessed from the DC-7's instrument and collision with the Super Constellation. The DC-7's left wing sliced off the Constellation's left wing. Both aircraft crashed in the Canyon. All 129 aboard were killed. Pilot error was to blame. This crash was the worst commercial civilian airline disaster in history until 1985.

Gibbs of California took a tour bus from Las Vegas to Grand Canyon Village. He was seen sitting on the edge of the rim. Witnesses saw (and videotaped) Gibbs jump off purposefully. He fell 400 feet.

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