

# Aug.-Dec. 2024 Map of Major Water-related Disasters in the World

As of January 2025

## Spain (Valencia) (October)

Warm airflow from the Mediterranean Sea developed a cut-off low pressure system. Heavy rains of 184mm/1h as well as 650.6mm/6h caused flooding of Magro River and Poyo River in Valencian Community.

Death toll : 235

## Sudan (August)

Heavy rain caused Albert Dam in Red Sea State to break, spilling 5 million cubic meters of silt, which caused severe damage to downstream 20 villages.

Death toll : 30, Missing : 64.

## Chad, Nigeria, Niger, Mali, Cameroon (July–November)

Rainy season floods prolonged until November, resulting in long and largescale overflows along the Niger river basin and the inland rivers draining into Lake Chad.

Death toll : Chad 576, Niger 396, Nigeria 321, Mali 92, Cameroon 38

## French Mayotte, Mozambique, Malawi, Cyclone CHIDO (December)

CHIDO, a Category 4 storm, passed over the French island of Mayotte, causing severe wind damage. It then made landfall in northern Mozambique, bringing heavy rains and flooding.

Death toll: 172 (Mayotte 39, MOZ120, MWI13)

## Poland, Czech Republic, Slovakia, Hungary, Austria, Italy, Romania, Storm BORIS (September)

The cut-off low BORIS stalled over Central Europe, bringing heavy rain of 442 mm/3d in Czech Rep., and flooding the upper reaches and tributaries of Oder, Elbe, Danube River in Poland, Czech Rep., Slovakia, Hungary, Austria, and Romania. Northeastern Italy was also suffered heavy rainfall and flood.

Death toll : 36 (GZE 13, POL 7, ROU 7, AUT 5, ITA 3, SVK 1)

## Japan (September)

An active rain front brought heavy rainfall of over 500 mm in Noto Peninsula, Ishikawa Prefecture, resulting 267 landslides.

Death toll : 16

## U.S.A. (Florida, North Carolina) Hurricane HELENE (September)

Large hurricane HELENE made landfall in Florida with Category 4 force, causing storm surge flooding on the state's west coast. After becoming a tropical depression, it brought torrential rains to the Appalachian Mountains, causing extensive flood damage.

Death toll : 227

## Nepal (September)

The largest 24-hour rainfall ever recorded in the Kathmandu Basin caused Bagmati River and its tributaries to overflow in densely populated areas.

Death toll : 268.

## Pakistan (July–August)

Heavier than average monsoon rain caused severe flooding and landslides in the northern and western part of the country

Death toll : 368

## Philippines, China (Hainan, Yunnan), Vietnam, Laos, Thailand, Myanmar, Typhoon YAGI (September)

After crossing over Luzon Island, YAGI developed into a super-typhoon in the South China Sea and made landfall in Hainan Island, China, then in northern Vietnam with still strong typhoon force. Even after being downgrade to a tropical depression, it brought heavy rainfall over a wide area from northern Vietnam to eastern Myanmar, causing major rivers to overflow and large-scale landslides.

Death toll : 890 (PHL 33, CHN 2, VNM 345, LAO 5, THA 45, MMR 460)

## Philippines (Luzon), Vietnam Typhoon TRAMI (October)

TRAMI brought 500–600 mm of heavy rainfall and river flooding to southern Luzon of Philippines, Hainan Island of China and central Vietnam.

Death toll : 184 (PHL159, CHN10, VNM15)

Missing 22 (PHL)

## U.S.A. (Florida) Hurricane MILTON (October)

MILTON made landfall in Florida with Category 3 force. It caused storm surge and high wind damage near the landfall area.

Death toll : 28 (USA 27, MEX 1)

Number of Death 0~49

Number of Death 50~99

Number of Death 100~499

Number of Death 500~999

Number of Death 1000~

