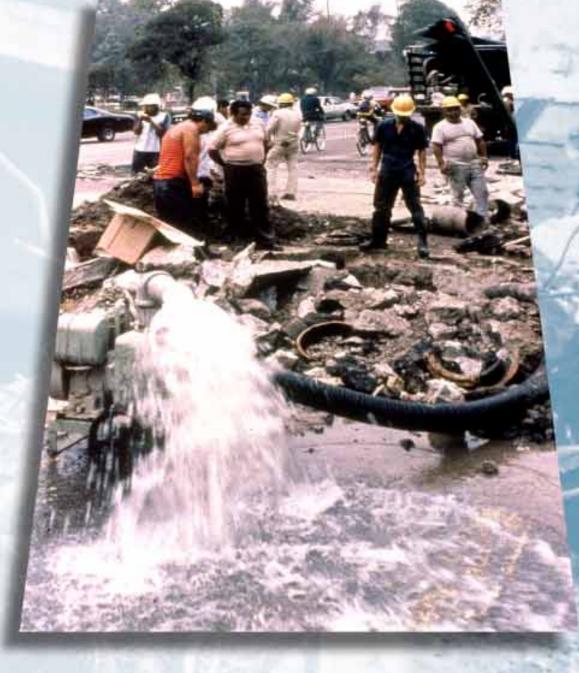
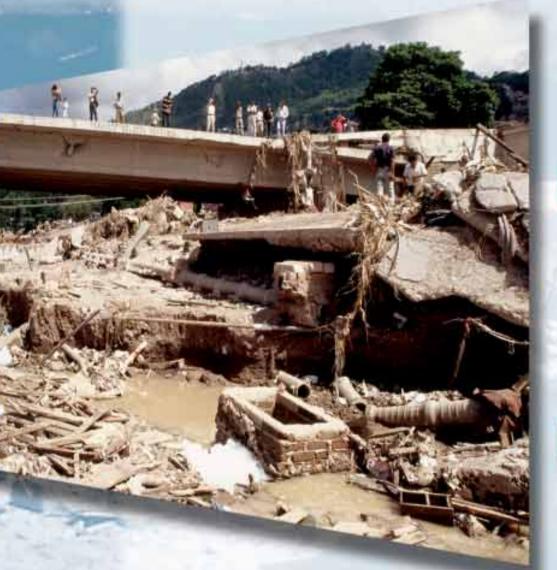
Damage caused by

disasters to systems

Earthquakes can have severe effects, such as:

- Total or partial destruction of catchment structures, reservoirs, treatment plants, mains and distribution pipelines
- Rupture of pipelines and damage to joints
- Alterations in water quality due to landslides



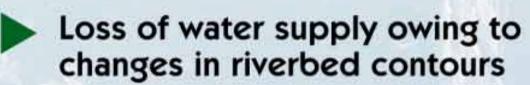


Hurricanes cause various types of damage:

- Partial or total damage to buildings and facilities due to severe winds
- Rupture of pipes and damage to joints due to flash floods and landslides in areas exposed to the elements
- Damage to surface components
- Contamination of water in tanks

Floods affect systems and cause damage such as:

Total or partial destruction of river and brook catchments



- Rupture of exposed pipelines in the path of raging rivers
- Contamination and deterioration of basins
- Failures in electric equipment

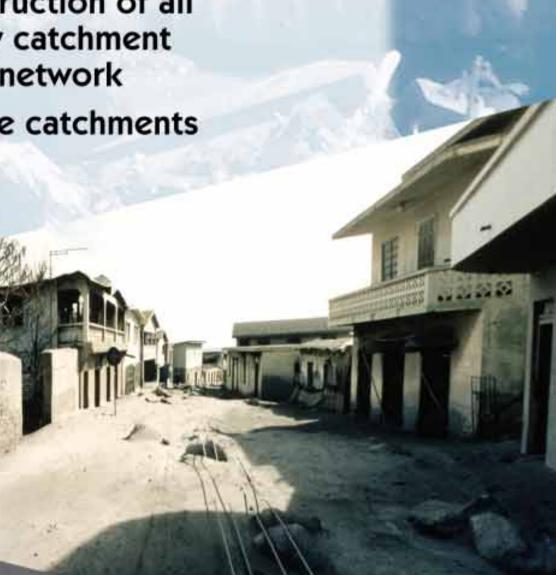
Landslides have an overwhelming destructive effect, causing:

- The total or partial destruction of all infratrucure, particularly catchment structures and pipeline network
- Contamination of surface catchments in mountain areas

Volcanic eruptions cause predicaments such as:

- The total destruction of system components in the path of lava flows
- The obstruction of catchment works, silt basins, pipes, flocculators and filters due to ash
- Alterations in the quality of water sources due to ash fall





World Health Organization