

*Landslide

*A landslide, also known as a landslip, is a geological phenomenon that includes a wide range of ground movements.



- *Causes
- *groundwater (pore water) pressure acting to destabilize the slope
- *soil nutrients, and soil structure (e.g. after a wildfire a fire in forests lasting for 3-4 days)
- *erosion of the toe of a slope by rivers or ocean waves
- *Landslides are aggravated by human activities, such as: deforestation, cultivation and construction earthwork which alters the shape of a slope, or which imposes new loads on an existing slope
- *in shallow soils, the removal of deep-rooted vegetation that binds colluvium to bedrock
- *Construction, agricultural or forestry activities



*Historical landslides

- *Hope Slide landslide (46 million cubic metres) near Hope, British Columbia on January 9, 1965.[16]
- *The 1966 Aberfan disaster
- *Tuve landslide in Gothenburg, Sweden on November 30, 1977.
- *The 1979 Abbotsford landslip, Dunedin, New Zealand on August 8, 1979.
- *Devil's Slide, an ongoing landslide in San Mateo County, California
- *2011 Rio de Janeiro landslide in Rio de Janeiro, Brazil on January 11, 2011, causing 610 deaths.[18]
- *2014 Pune landslide, in Pune, India.
- *2014 Oso mudslide, in Oso, Washington



*consequences

*Broken pipes, houses, roads, cause serious damage to farmland. The worst of the consequences of these disasters - loss of life.

*Signs of approaching landslide: Doors and windows in rooms jammed. Because of the slope with a landslide that hit, the water

