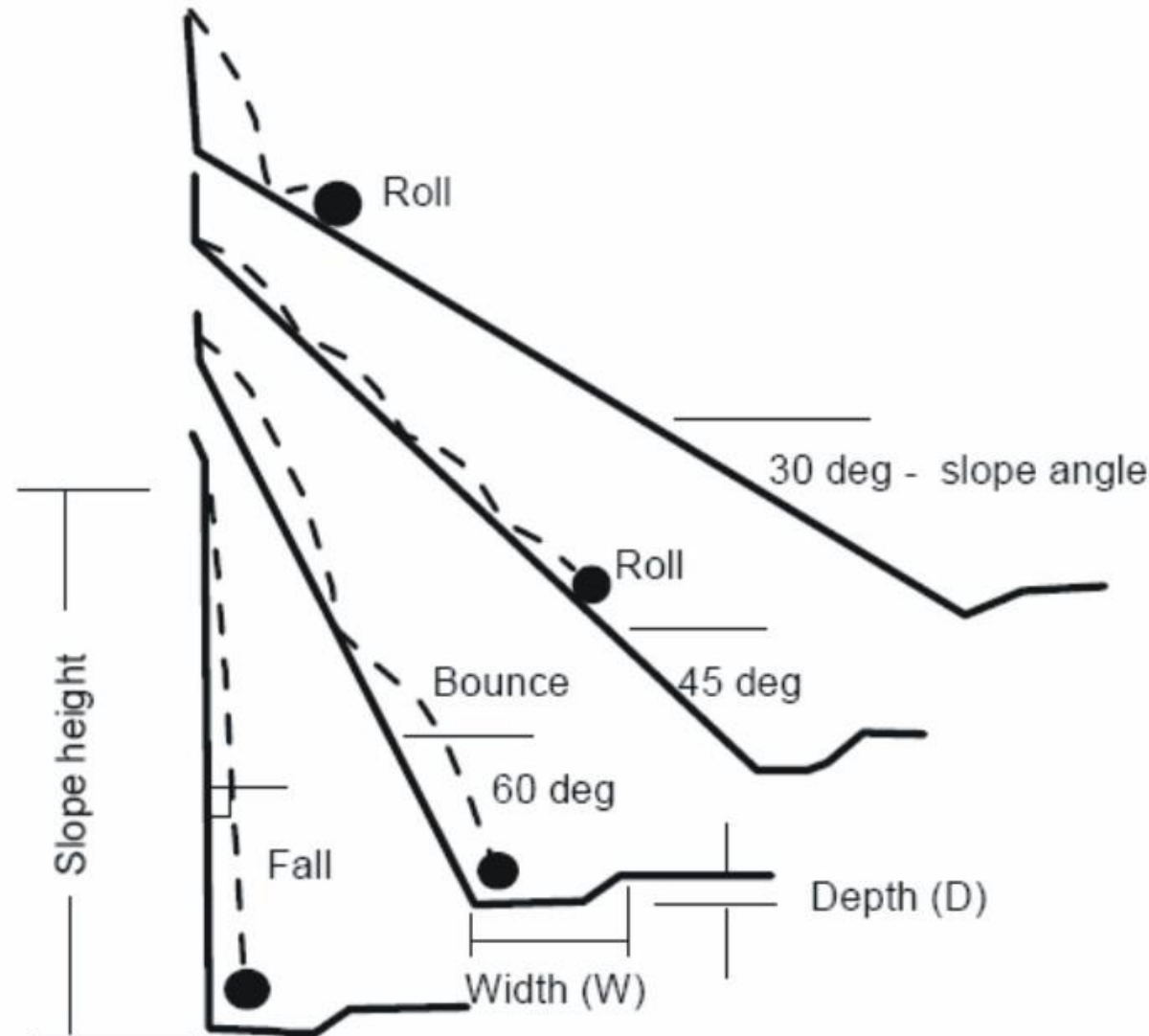




MASS WASTING

Mass wasting is the downslope movement of material under the influence of gravity.

An **avalanche, rock slide or rock fall** is the fastest kind of mass wasting. The material moves in free fall with little resistance.



Rock falls on slopes

A **mudslide or a landslide** is named for the material that slides down a slope.

A **lahar** is a special mudslide composed of wet volcanic ash.

<https://www.youtube.com/watch?v=y2ELkCuluGA>

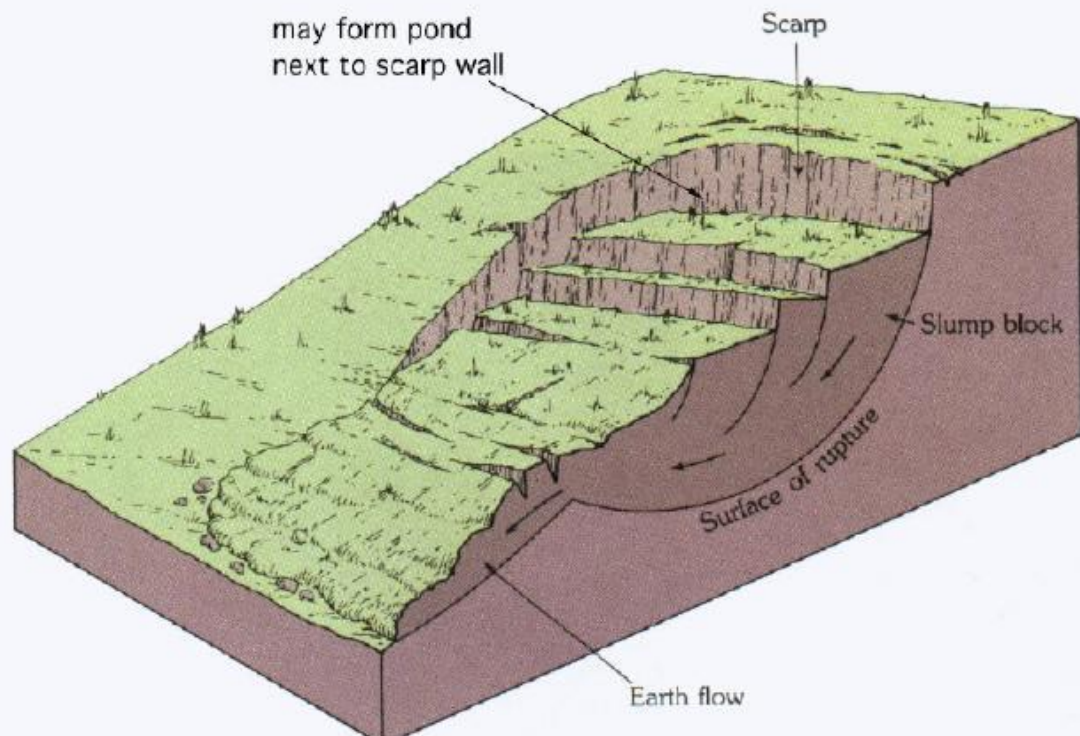
<https://www.youtube.com/watch?v=kznwnpNTB6k>

Other mass wasting events are:

debris flow
slump
solifluction
creep



Of these, creep is the slowest.



features of a slump



Causes of Mass Wasting

- Gravity
- Undercutting
- Oversteepening
- Saturation with water
- Earthquakes
- Removal of anchoring vegetation