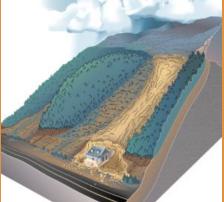


Mudslides

By: Suhailah R. Harmony S. Esther B. Aaliyah S.

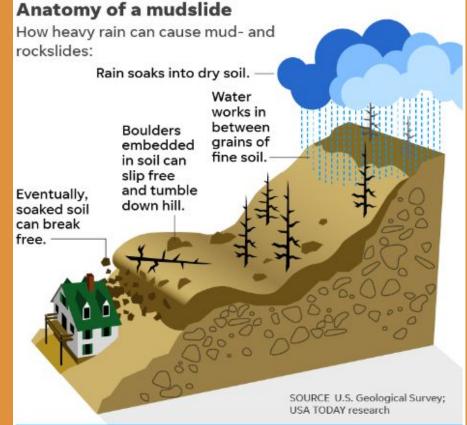


Mudslides and What Causes Them to Start

Mudslides or debris flows occur during times of heavy rain or rapid snowmelt. The rain and melted snow starts to accumulate in the ground resulting in a surge of debris, earth, and water-saturated rock usually starting on a steep slope. Mudslides can travel up to, and can exceed, 35 mph and can travel for several miles.

Where?

- All 50 U.S. States and Territories
- Hillsides
- Mountains



Earth Systems Involvement

Atmosphere: A atmospheric low tide let out a tiny amount of pressure that on the air and the water in the soil that is at the surface of the water.

Geosphere: Interacts with the hydrosphere by the underwater plates

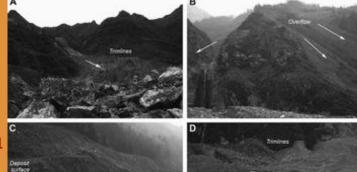
Hydrosphere: Heavy rains are what cause a mudslide to occur and it creates a sequence of waves.

Biosphere: Mud and rocks flow into rivers which will eventually expand to oceans and that can be harmful to marine animals and plants because they both rely on water to survive, as well as humans.



Affect on Earth Systems

- Landslides can obstruct streams and waterbodies with too much silt, and they can even contaminate them.
- Ceasing streams and rivers can be dammed in extreme circumstances, which has an impact on the water quality and fish habitat.
- water and debris traveling quickly that could cause injury; Broken water, gas, sewer, and electrical lines that may cause harm or disease





How to Prevent Mudslides/Landslides

- Always replant damaged ground ASAP
 because erosion caused by it can lead to
 flash floods which can further lead to
 landslides.
- Planting vegetation in sloped areas can help because, the presence of plants can absorb excess water in soil and lessen the chance of rain going into cracks in the soil.





Video

The vision was to make a commercial/ad like video for a hotline for anyone hypothetically stuck in the aftermath of a mudslide and need help

https://drive.google.com/file/d/11 J4mGlZc14lXyL6fr4YoeX7ELU5 puA8r/view?usp=sharing





Citations

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