

Assignment 5: Mass wasting, dude

How is **sliding** different from **flowing**, when you are discussing mass wasting? Which type of motion is generally more destructive to human life and property, and why?

What is a mass-wasting "**rotational block**"? Does a rotational block imply a slide or a flow? Do mass-wasting events in **the Puget Sound area** ever contain rotational blocks? How could you tell if they did or did not?

Give **two driving forces** that help create mass wasting.

Give **two resisting forces** that help alleviate mass wasting.

You dig out an **in-ground pool** at the top of a steep slope in Seattle. Give one argument **for the proposition** that you have set yourself up for a slide to occur; give one argument **against the same proposition**.

How does **vegetation** act both as a resisting force and as a driving force at **different** times in a slope's history? At the **same** time?

Give **three engineering methods** that ameliorate mass wasting. Will any of them remove the problem of mass wasting on a slope for good?

How does a **sinkhole** form in an area that has **limestone** bedrock? How does a sinkhole form in our area (like the one in Shoreline that Al Gore toured after the storm of winter, 1996)? Hint: the two answers should be quite different.