

Landslides Homework - Due at the start of class on TUESDAY (August 2, 2005)

Using the TEXTBOOK, the CLASS LECTURES, the resources on the COURSE WEBSITE, and OTHER resources you find, answer the following questions. Type or neatly print your answers, single-spaced, 4 pages maximum. Be sure answers are complete, coherent, and proofread. Turn in on paper (not via email). Staple your pages, make sure your name is on every page, cite your sources for each answer, etc.

1. (20%) Whether or not you currently live or work in building particularly prone to landslides, you may in the future. It would be a good idea to know something about some of the features to look for that might indicate a landslide may occur in the near future, especially if there is any sloping ground around the area.
 - a. List and briefly describe *at least* 10 such features that might be noticed before landslides occur.
 - b. List and briefly describe *at least* 4 things you should do if you suspect immediate landslide danger.
 - c. List and briefly describe *at least* 4 things you should do if you suspect longer-term landslide danger.
2. (15%) What's the connection between the glaciation of Puget Sound and our rather high risk for landslides here? As *part* of your answer, name and describe each of the layers of glacial sediment left behind by the most recent glaciation (Hint: the youngest layer in most areas is called the Vashon Till).
3. (30%) As you go about your daily activities, observe your surroundings and think about how mass wasting and glaciers affect your daily life or your neighborhood. For example, landslides occur frequently and block roads; *where* do landslides happen (and *why*)? Glaciers leave behind sediments and landforms; what & where are they and why do they matter? Keep a list of everything you can come up with this week (and tell me your locations!). Keep track of your findings, research what you find, and reflect on your findings.
4. (35%) Step back now and summarize and analyze your findings. What did you learn? How does this information apply to your life and the lives of other residents in the region? What policies and procedures should be enacted? (Bonus: What policies and procedures are currently in place at your locations?)