

Name:

## Geology 101 – Prelab Assignment

### **Lab 10 – Landslides**

*Due: Tuesday, June 2*

**Instructions:** After completing the assigned lab readings complete the following prelab assignment before coming to lab. Assignments will not be accepted after the beginning of class on the due date.

**Readings:** Review the background materials for Lab 10 in the lab manual (p. 115). In addition, read the short website on mudflows < <http://volcanoes.usgs.gov/hazards/lahar/index.php> > and review your class readings (Chapter 14) on mass wasting.

#### **Questions:**

- (1) Below is the peak discharge (water flow) of the Snoqualmie River near Snoqualmie Falls from 2003 to 2007 (cfs = cubic feet per second). What is the average peak discharge for this time period?

2003	6,730 cfs
2004	11,400 cfs
2005	9,850 cfs
2006	4,470 cfs
2007	14,200 cfs

- (2) (a) Describe a specific area near your home or school that may have a high risk of a landslide

(b) Why do you think this area is a risk of sliding?

- (3) From the website, list three things/events that can trigger a lahar.

(a)

(b)

(c)