## **Key Words for Debris Flow Hazards and Processes**

(i.e. check the notes, book, and readings to make sure you know the significance of these terms)

Landforms	pore pressure
hillslope	sediment porosity
hollow	pore fluids
debris fan	atmospheric pressure
hillslope gradient	positive pore pressure
channels	negative pore pressure
	dilation
Process	liquefaction
weathering	shear strength
mass wasting	cohesive
slide	non-cohesive
flow	soil strength
creep	root strength
slump	
debris flow	Debris Flow Features
flow processes	snout
normal water flood	high friction gravel rind
hyperconcentrated flow	lobe
debris flow	superelevation
lahar	levee
	sediment bulking
Material	rapidly moving landslides
weathered mantle	channel erosion
regolith	channel deposition
colluvium	stream alteration
sediment texture	head scar
clay	transport zone
silt	runout zone
sand	woody debris dam
gravel	
volcaniclastic	Debris Flow Occurrence
diamicton	rate of colluviation
matrix	hollow filling
woody debris	recurrence interval
	clear cutting
Physics Principles	triggers
velocity	meteorologic
density	seismic
granular solids	anthropogenic
viscous fluids	road cut
buoyancy	loading
shear strength	rainfall intensity
dispersive pressure	hazard - liklihood of occurrence

Risk - degree of consequences
Debris Flow Hazard Mitigation
Engineered Solutions
structures / diversions
Planning Solutions