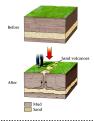
Leftovers from Lecture 6

Liquefaction

Earthquakes and other Disasters



Mud Volcanoes



The 4 Types of Seismic Waves

P waves

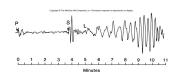
S waves

Love waves

Rayleigh waves

watch video 5c

The Phases in a Seismogram



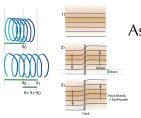
Locating an Earthquake

watch video 5c

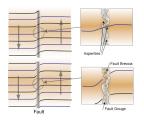


Earthquake Physics

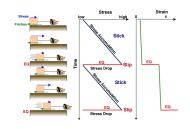
Stress and Strain

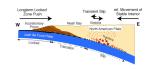


Asperities and Friction



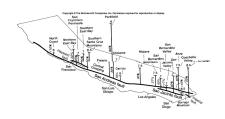
Stick-slip Behavior



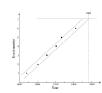


Earthquake Monitoring and Prediction

EQ probabilities at the SAF



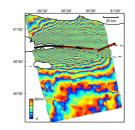
EQ Prediction and Parkfield (the seismic gap method)



Earthquake Triggering

Rupture Propagation Forecast

InSAR, GPS and aseimic movement along a fault



Hazard Assessment and Mitigation

