

SIO 15 LECTURE 07: EARTHQUAKE SEISMOLOGY

Leftovers from Lecture 6

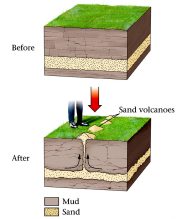
Liquefaction

Mud Volcanoes

see short video 6a

Earthquakes and other Disasters

see short video 6b



(b)

Earth: Portrait of a Planet, 2nd Edition
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The 4 Types of Seismic Waves

see short video 7

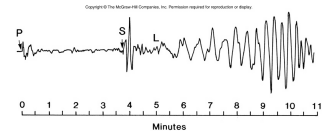
P waves

S waves

Love waves

Rayleigh waves

The Phases in a Seismogram



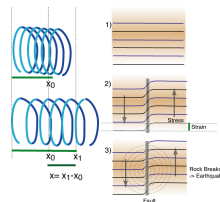
Locating an Earthquake

see short video 7

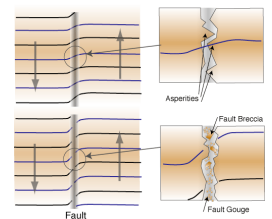


Earthquake Physics

Stress and Strain



Asperities and Friction



Stick-slip Behavior

