

Folding and Faulting

Looking for Evidence of Past Earthquakes

2014 Earthquakes in NC Workshop
Tim Martin Greensboro Day School

NCDENR

Normal Fault

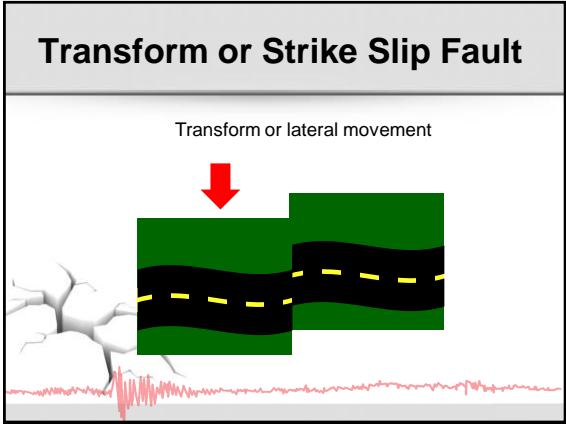
Tension or divergent movement

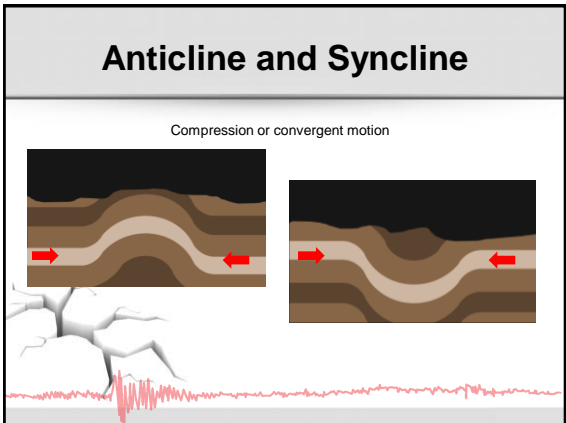
3D crack model and seismic wave at the bottom left.

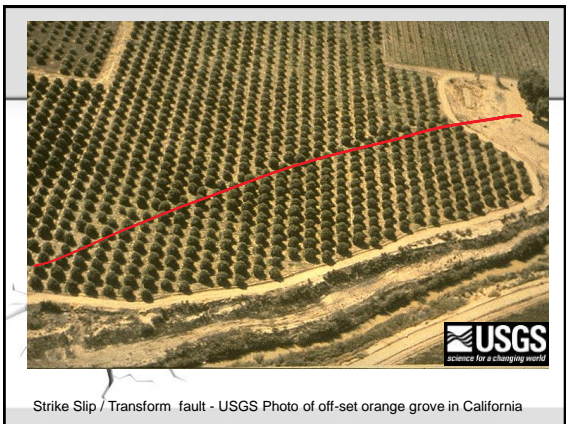
Thrust or Reverse Fault

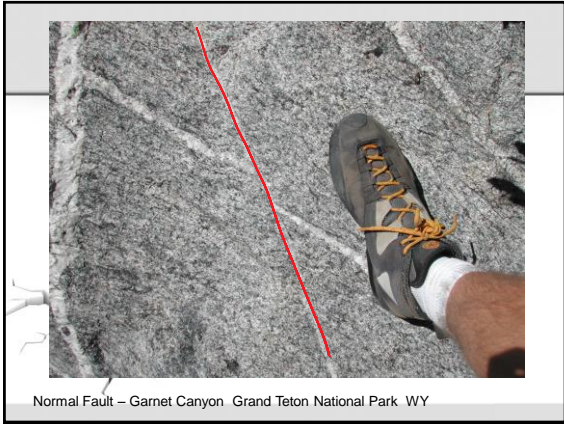
Compression or convergent motion

3D crack model and seismic wave at the bottom left.

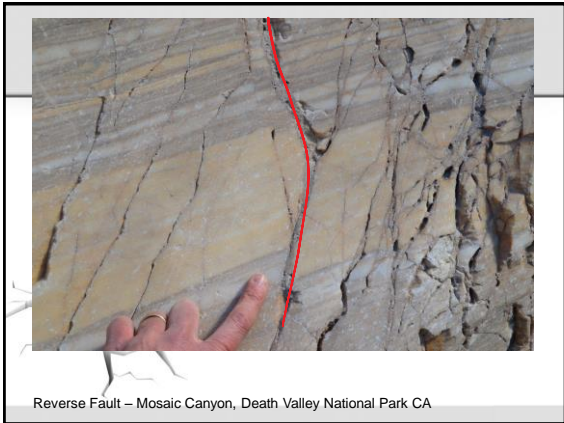




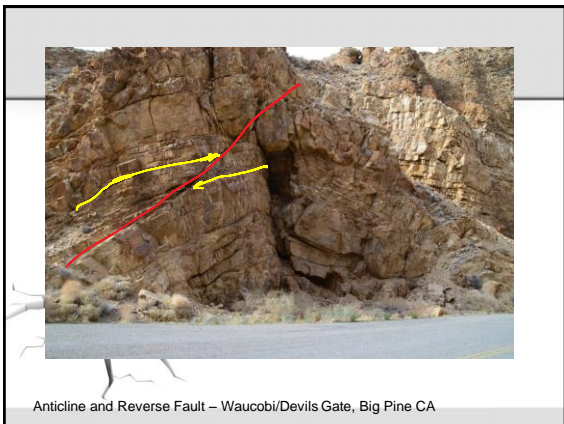




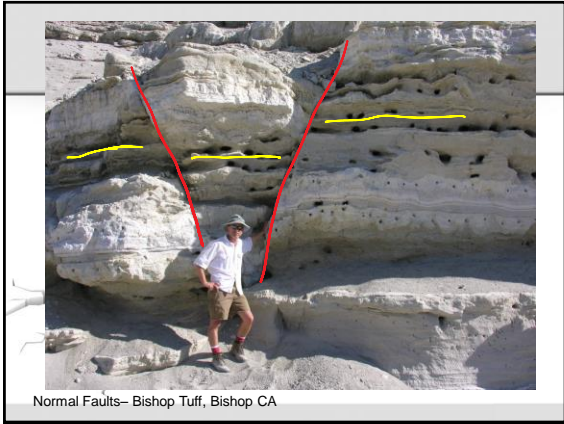
Normal Fault – Garnet Canyon Grand Teton National Park WY



Reverse Fault – Mosaic Canyon, Death Valley National Park CA



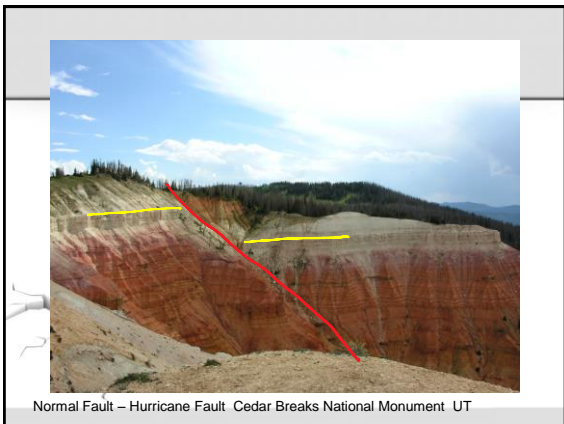
Anticline and Reverse Fault – Waucobi/Devils Gate, Big Pine CA



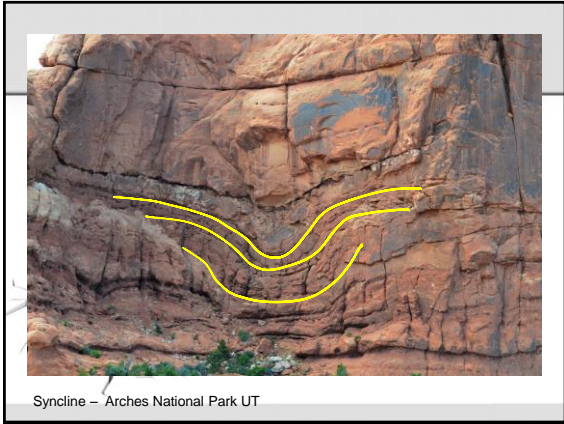
Normal Faults– Bishop Tuff, Bishop CA

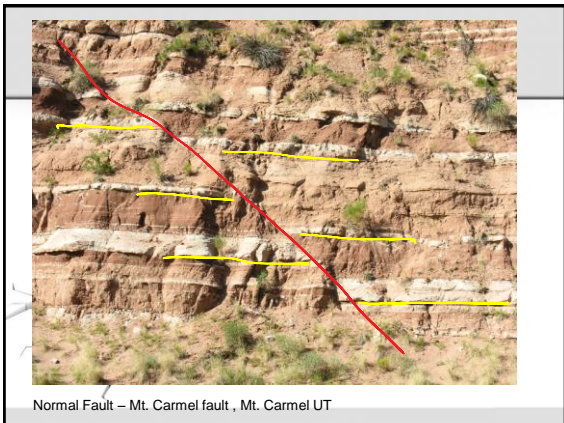


Syncline and Thrust Fault – Gold Hill Shear zone, Gold Hill NC

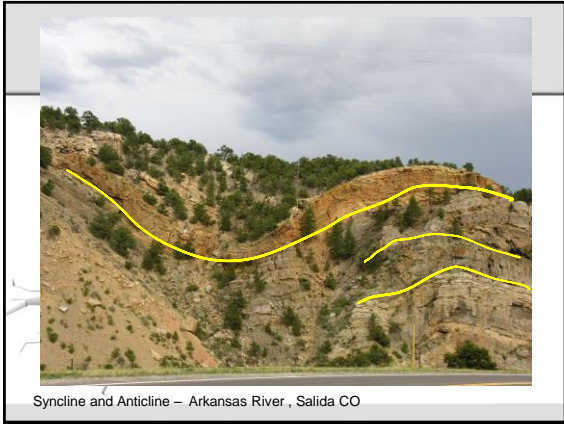


Normal Fault – Hurricane Fault Cedar Breaks National Monument UT





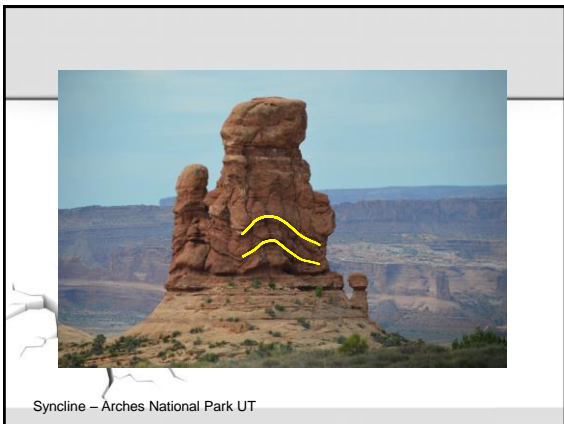




Syncline and Anticline – Arkansas River , Salida CO



Normal Fault – Moab Fault, Arches National Park UT



Syncline – Arches National Park UT



Normal Fault – Shoshone Fault , Shoshone CA



Strike Slip Fault – Hayward Fault, Fremont Ca

- This presentation was constructed for the 2014 Earthquakes in NC workshop and may be freely be used by teachers for educational purposes.
- Unless indicated otherwise, images in this presentation are taken by Tim Martin (one USGS image)

