

5.18 Intraplate Activity

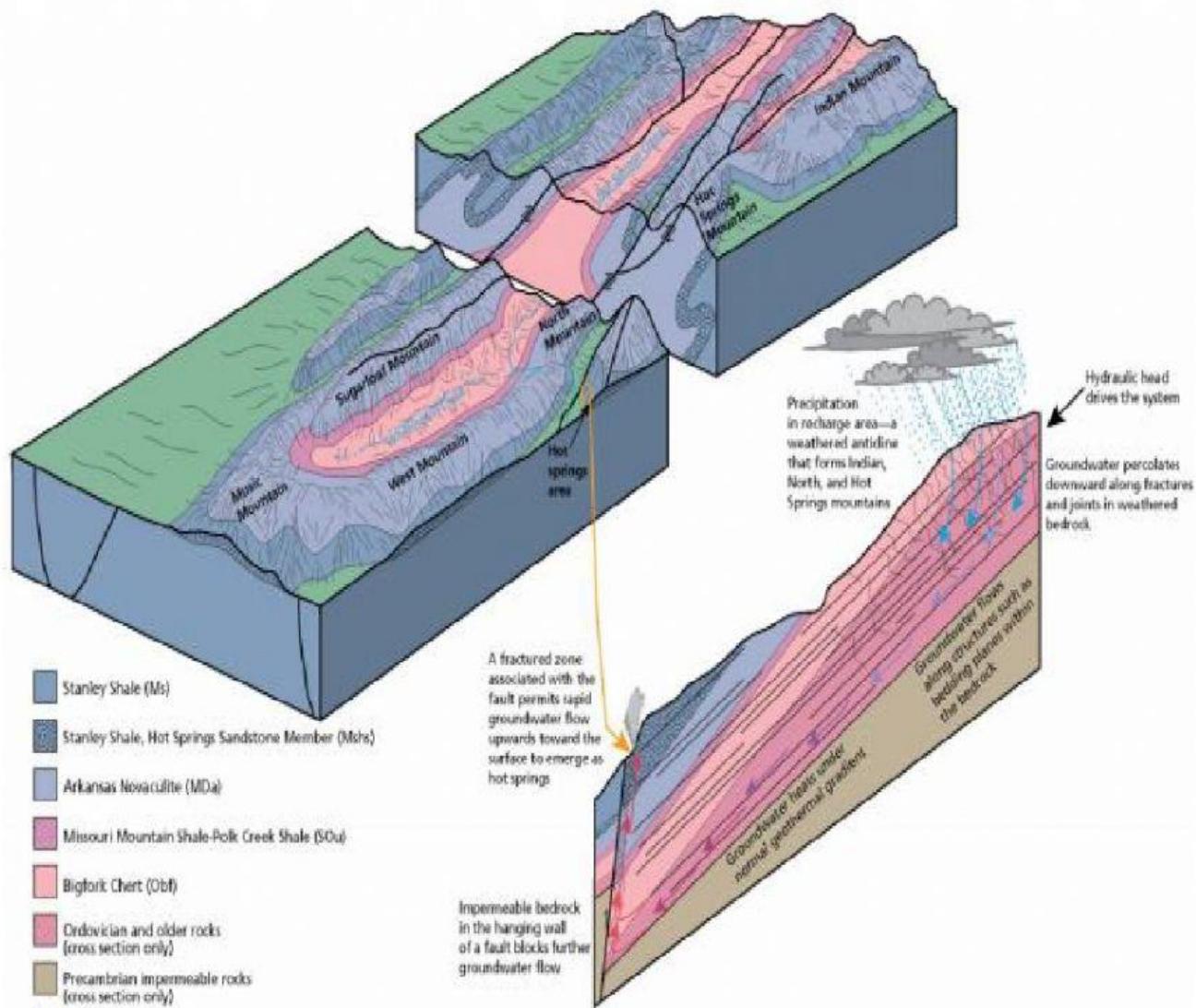


Figure 8. Cross section through Hot Springs Mountain and adjacent hills. Surface exposures of the Stanley Shale (Ms) are tinted green for clarity. Other colors are standard USGS colors. Bold black lines are faults. Geologic structures control the thermal water system that supplies the hot springs at Hot Springs National Park. Graphic by Trista L. Thornberry-Ehrlich (Colorado State University) after an unnumbered figure in Bedinger (1974).

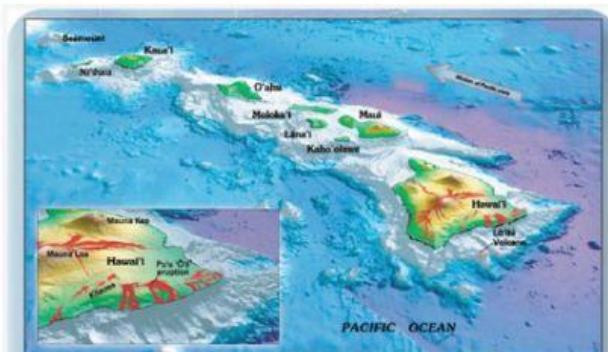
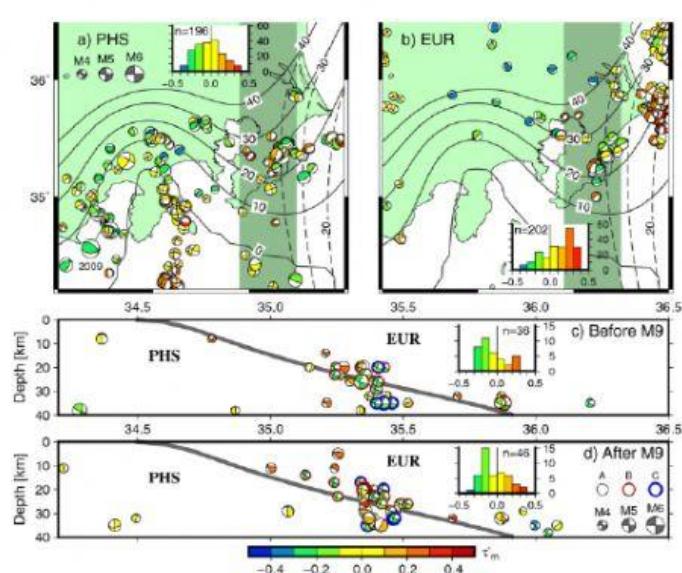
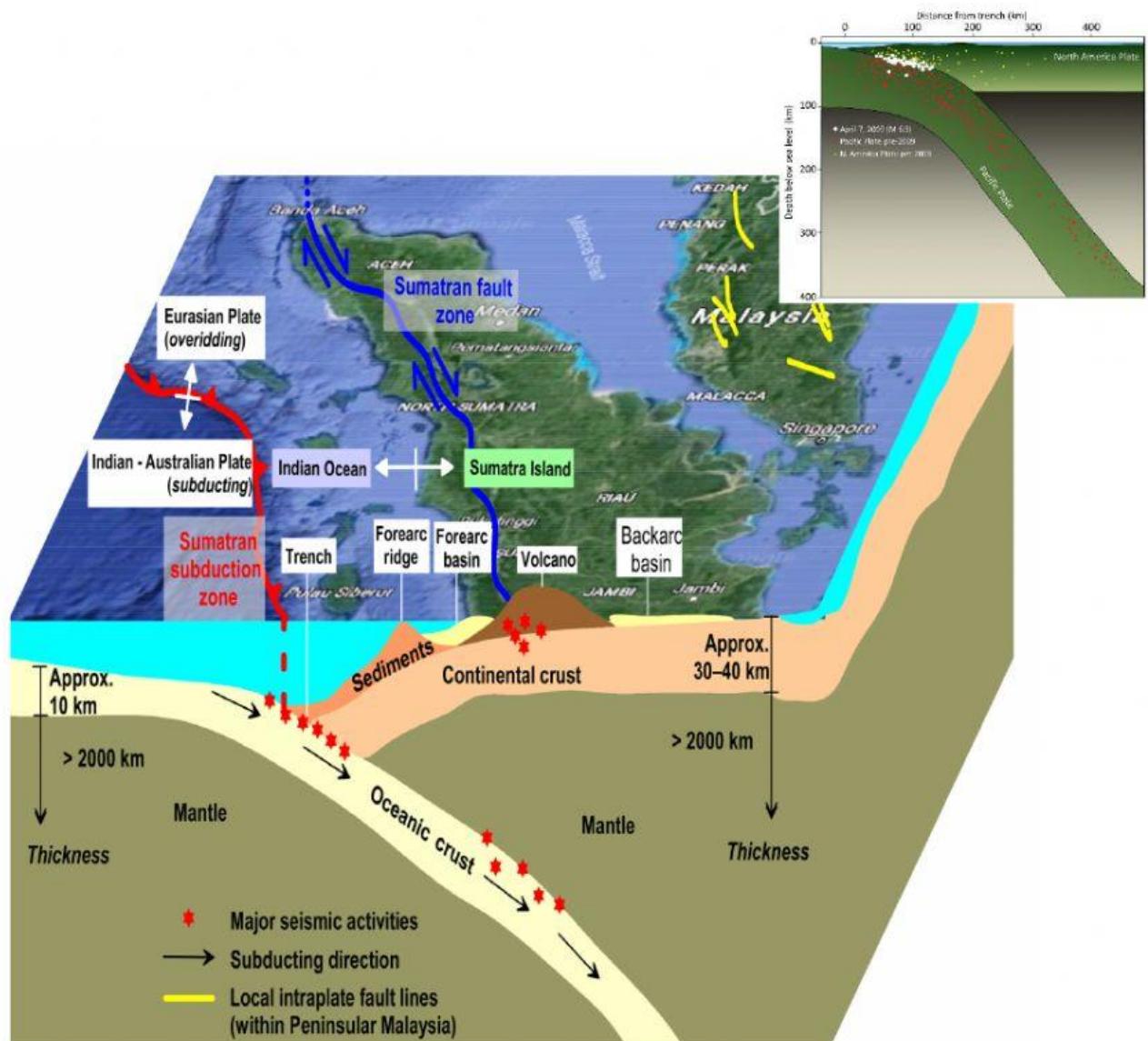


Figure 10. Oblique view of the principal Hawaiian Islands and the still submerged Lo'ihi Volcano. Inset gives a closer view of three of the five volcanoes that form the island of Hawaii. Historical lava flows are shown in red. The longest duration historical eruption on Kilauea's east rift zone at Pu'u 'O'o (red), which began in January 1983, continues unabated as of spring 2006. View prepared by Joel E. Robinson (USGS).





1. What is a hotspot?
2. How do scientists use hotspot volcanism to tell the direction and speed of a plate?
3. Compare and contrast hotspots in the oceans and on continents.