

## **On the Trail of the Yellowstone Hot Spot Summer Session 2007**

### **Required Texts**

- Alt, D.D and Hyndman, D.W. (1989) Roadside Geology of Idaho. Mountain Press Publishing Company. Missoula, MT.
- Fritz, W.J. (1985) Roadside Guide of the Yellowstone Country. Mountain Press Publishing Company. Missoula, MT.
- Matthews, D.L. (1992) Sagebrush Country: A Willdflower Sanctuary. Mountain Press Publishing Company. Missoula, MT.

### **Additional References (Geology)**

- Anders, M.H., Saltzman, J., and Hemming, S.R. (2009) Neogene tephras correlations in eastern Idaho and Wyoming: Implications for Yellowstone hotspot-related volcanism and tectonic activity. *Geological Society of America Bulletin*, v. 121, p. 837-856.
- Bryan, T.S. (1995) *The Geysers of Yellowstone*. University Press of Colorado, 463 p.
- Cristiansen, R.L. (2001) *The Quaternary and Pliocene Yellowstone Plateau Volcanic Field of Wyoming, Idaho, and Montana*. United States Geological Survey Professional Paper 729-G.
- Christiansen, R.L., Foulger, G.R. and Evans, J.R. (2002) Upper-mantle origin of the Yellowstone hotspot. *GSA Bulletin*, 114, p. 1245-1256.
- Creighton, D.N. (1987) Menan Buttes, southeastern Idaho. *GSA Centennial Field Guide, Rocky Mountain Section*, p. 109-111.
- Hughes, S.S., Smith, R.P., Hackett, W.R. and Anderson, S.R. (1999) Mafic volcanism and environmental geology of the Eastern Snake River Plain, Idaho. In Hughes, S.S. and Thackray, G.D., Eds. *Guidebook to the Geology of Eastern Idaho*. Idaho Museum of Natural History, p. 143-168.
- Humphreys, E.D., Dueker, K.G., Schutt, D.L. and Smith, R.B. (2000) Beneath Yellowstone: Evaluating plume and nonplume models using teleseismic images of the upper mantle. *GSA Today*, 10, p. 1-7.
- Orr, E.L. and Orr, W.N. (2002) *Geology of the Pacific Northwest*. Waveland Press, Inc., Long Grove, IL.
- Perkins, M.E. and Nash, B.P. (2002) Explosive silicic volcanism of the Yellowstone hotspot: The ash fall tuff record. *GSA Bulletin*, 114, p. 367-381.
- Richmond, G.M. (1987) Geology and evolution of the Grand Canyon of the Yellowstone, Yellowstone National Park, Wyoming. *GSA Centennial Field Guide, Rocky Mountain Section*, p. 155-160.
- Shervais, J.W., Shroff, G., Vettner, S.K., Matthews, S., Hanan, B.B., and McGee, J.J. (2002) Origin and evolution of the western Snake River Plain: Implications from stratigraphy, faulting, and the geochemistry of basalts near Mountain Home, Idaho. In Bonnichsen, B., White, C.M., and McCurry, M., Eds., *Tectonic and Magmatic Evolution of the Snake River Plain Volcanic Province*. Idaho Geological Survey Bulletin 30, p. 343-361.

Witkind, I.J. and Stickney, M.C. (1987) The Hebgen Lake earthquake area, Montana and Wyoming. GSA Centennial Field Guide, Rocky Mountain Section, p. 89-95.

Craters of the Moon: A Guide to Craters of the Moon National Monument, Idaho.  
Produced by the Division of Publications, National Park Service.

### **Additional References (Biology)**

Despain, D.G. (1990) Yellowstone Vegetation: Consequences of environment and history in a natural setting. Roberts Rinehart Publishers, Inc.

Kelter, R.B. and Boyce, M.S., Eds. (1994) The Greater Yellowstone Ecosystem: Redefining America's Wilderness Heritage. Yale University Press. New Haven, CT.

### Maps and Information – Snake River Plain, Craters of the Moon National Monument and Yellowstone National Park

Digital Geology of Idaho – Digital Atlas of Idaho

[http://geology.isu.edu/Digital\\_Geology\\_Idaho/Module11/mod11.htm](http://geology.isu.edu/Digital_Geology_Idaho/Module11/mod11.htm)

Yellowstone Volcano Observatory - <http://volcanoes.usgs.gov/yvo/>

Exploring the Yellowstone Geocosystem: A Digital Resource Collection for Teaching and Learning -

[http://serc.carleton.edu/research\\_education/yellowstone/index.html](http://serc.carleton.edu/research_education/yellowstone/index.html)

Cascades Volcano Observatory, Craters of the Moon, Idaho -

<http://vulcan.wr.usgs.gov/Volcanoes/Idaho/CratersMoon/framework.html>

National Park Service - <http://www.nps.gov/crmo/index.htm>