

Agenda
Virginia Geological Research Symposium 2013
Division of Geology and Mineral Resources
Thursday, April 11, 2013

- 8:00 – 8:30 a.m. Registration, “Meet and Greet” with refreshments
- 8:30 – 8:45 a.m. Welcome & the State of DGMR – *David Spears, DGMR*
- 8:45 – 9:45 a.m. Technical Session #1
- 8:45 – 9:05 Update on the USGS geology of the Blue Ridge project
Scott Southworth, U.S. Geological Survey
- 9:05 – 9:25 Unraveling rhyolites in the lower Mount Rogers Formation
Beth McClellan, Matt Sublett, Jenny All, and Ryan Bond, Radford University
- 9:25 – 9:45 Temporal evolution of the Eastern North American Stress Field: Evidence from brittle structures in the Central Virginia Seismic Zone
John Hollis, College of William and Mary
- 9:45 – 10:00 a.m. Break
- 10:00 – 11:00 a.m. Technical Session #2
- 10:00 – 10:20 The Piney Point Limestone: A solution-channeled rock aquifer in the Virginia Coastal Plain
Randy McFarland, U.S. Geological Survey
- 10:20 – 10:40 Stratigraphic controls on karst development and drainage along Bullpasture Mountain, Highland County, Virginia: Part 1 – Mapping of caves and karst
Rick Lambert, Virginia Speleological Survey
- 10:40 – 11:00 Stratigraphic controls on karst development and drainage along Bullpasture Mountain, Highland County, Virginia: Part 2 – Identification and importance of Silurian sandstones
John Haynes, James Madison University
- 11:00a.m. – noon Breakout Sessions (other topics by suggestion)
- Current topics in Virginia’s energy and mineral resources – *Billy Lassetter, DGMR*
 - Tour of the DGMR facility – *Matt Heller, DGMR*
 - Tour of the rock garden – *Aaron Cross, DGMR*
 - Orientation to the new DMME website – *Wendy Kelly, DGMR*

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- Noon – 1:00 p.m. Lunch on your own – See list of local restaurants
- 1:00 – 2:20 p.m. Poster Session
- 2:20 – 3:20 p.m. Technical Session #3
- 2:20 – 2:40 Virginia’s contribution to the National Geothermal Data System
Wendy Kelly, Division of Geology and Mineral Resources
- 2:40 – 3:00 Rising air temperatures affecting stream temperatures in the
 Chesapeake Bay region, USA
Karen Rice and John Jastram, U.S. Geological Survey
- 3:00 – 3:20 Overview of water loss investigations and restoration efforts at
 Mountain Lake, Giles County, Virginia
Skip Watts, Radford University
- 3:20 – 3:35 p.m. Break
- 3:35 – 4:35 p.m. Technical Session #4
- 3:35 – 3:55 Are the earthquakes of the Central Virginia Seismic Zone
 connected with precipitation?
Betim Muco, Incorporated Research Institute for Seismology
- 3:55 – 4:15 Why we have earthquakes in Virginia
John Costain, Virginia Tech
- 4:15 – 4:35 Bedrock geology of the Ferncliff quadrangle, Virginia
Bill Burton, U.S. Geological Survey
- 4:35 – 4:45 p.m. Wrap-up and acknowledgements