

The 38th Annual Virginia Geological Field Conference

**Geology of the Saltville and Pulaski Fault Blocks,
Valley & Ridge province**

October 10-11, 2008

Hungry Mother State Park, Marion Virginia

*Fred Webb and Loren Raymond, Appalachian State University
Bill Whitlock, Virginia Division of Geology and Mineral Resources*

The objective of this trip is to examine the contrasting geology of the regionally extensive Saltville and Pulaski thrust faults. The Saltville fault typically has a sharp fault plane that places Cambrian-age rocks over Mississippian-age rocks, but locally the fault zone contains slices of Cambrian- to Devonian-age rocks. This contrasts with the Pulaski fault that has a mappable disturbed zone (mélange to dismembered formation), aurally up to 1/4-mile wide, with Cambrian-age rocks faulted over Cambrian- or Ordovician-age rocks. Stratigraphically, correlative geologic formations have different lithologies and strikingly different thicknesses on the Saltville and Pulaski blocks, reflecting telescoping (by thrusting) of stratigraphies representing different depositional settings. Features important in interpretation of the geologic history, such as carbonate buildups, and unconformities provide additional points of interest for the conference.

The VGFC will be based at Hungry Mother State Park near Marion, Virginia. A pre-trip gathering will be held at the Hemlock Haven Conference Center in the park on Friday evening, October 10, with registration opening at 6:30 and the meeting commencing at 7:15 p.m. We will leave Hungry Mother State Park at 8:30 a.m. and return by 5:00 p.m. on Saturday. Transportation, lunch, and guidebook will be provided.

Questions: contact C. M. Bailey, 757-221-2445, cmbail@wm.edu
or visit the VGFC website- <http://www.wm.edu/geology/vgfc/>

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| Names(s) _____ | <u>Registration (by Sept. 29th 2008)</u> |
| Address _____ | Student (\$20) _____ |
| City, State, Zip _____ | Regular (\$45) _____ |
| Telephone _____ | <u>Late Registration (after Sept. 29th)</u> |
| e-mail _____ | Student (\$30) _____ |
| | Regular (\$55) _____ |
| | Total submitted _____ |

Registration deadline is September 29, 2008

Make checks payable to **Virginia Geological Field Conference** and send to:

Virginia Geological Field Conference
Virginia Division of Geology and Mineral Resources
900 Natural Resources Drive, Suite 500
Charlottesville, Virginia 22903