

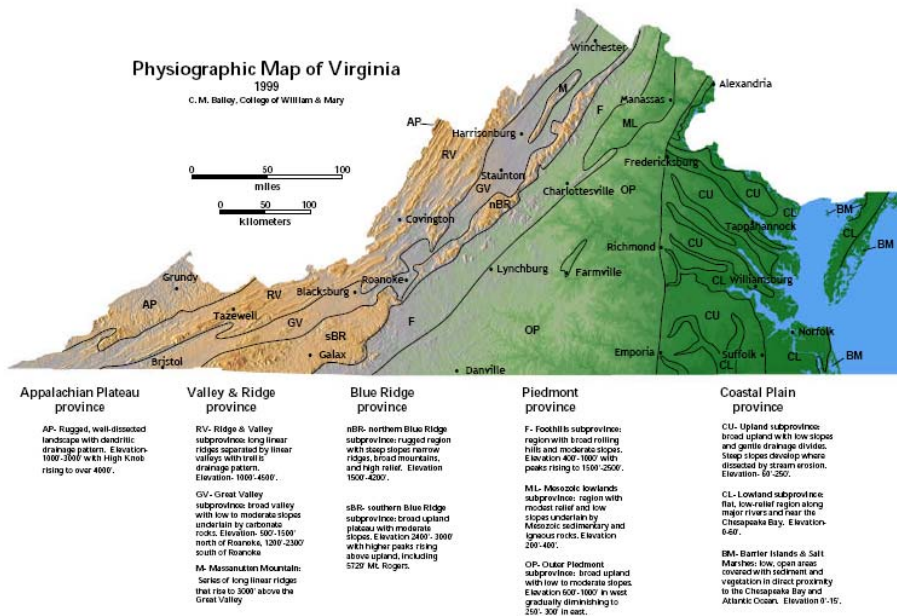


11th North American Forest Soils Conference

Post Conference Field Trip

June 26-29, 2008

Soils, Forests, and Forest Management in Virginia from the Blue Ridge Mountains to the Coastal Plain



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11th North American Forest Soils Conference Post-Conference Field Trip Agenda

Thursday, June 26, 2008

- 1400 – 1500 Inn at Virginia Tech, Blacksburg, VA
Load luggage and equipment
- 1500 Depart for Natural Bridge, VA
- 1630 Arrive at Natural Bridge
Check in at Natural Bridge Hotel
- 1630 – 1830 Free time to explore Natural Bridge
- 1900 – 2000 Dinner at Natural Bridge Hotel
- 2000 – 2100 Field tour overview and orientation
- 2100 Overnight at Natural Bridge Hotel

Friday, June 27, 2008

Blue Ridge Mountains Physiographic Province Mesophytic Hardwood Forests on Soils Derived from Metamorphic Parent Material

- 0630 – 0730 Breakfast at Natural Bridge Hotel
- 0730 - 0800 Depart Natural Bridge Hotel and travel to Glenwood
Ranger District, Jefferson National Forest
- 0800 - 0900 Glenwood Iron Furnace, Jefferson National Forest
Introduction and overview of landuse history in Arnold
Valley

- 0900 – 0930 Arnold Valley, Jefferson National Forest
Overview of geology and landforms in the Blue Ridge
- 0930 -1000 Break and Travel
- 1000 – 1030 Glenwood Ranger District, Jefferson National Forest
Mature mesic hardwood forest in Blue Ridge Mountains
(northern red oak, yellow-poplar)
- 1030 – 1130 Glenwood Ranger District, Jefferson National Forest
~30 Year-year-old hardwood clearcut on southwest
aspect (chestnut oak, scarlet oak).
Peaks series soil pit
(Loamy-skeletal, mixed, active mesic, Typic Dystrudept)
- ~30 Year-year-old hardwood clearcut on northeast
aspect (yellow-poplar).
Evard series soil pit
(Fine-loamy, parasesquic, mesic, Typic Hapludult)
- 1130 -1230 ~50 Year-old mixed hardwood and white pine stand on
old field
Hayesville series soil pit (residuim)
(Fine, kaolinitic, mesic, Typic Kanhapludult)
- 1230 - 1330 Lunch at Hopping Creek Group Campground
- 1330 – 1430 ~20 Year-old two-aged mesic hardwood stand managed
under leave-tree system
Thunder series soil pit (colluvium)
(Loamy-skeletal, mixed, active, mesic, Humic Hapludult)
- 1430 – 1530 Travel to Petites Gap
Stop to view transition from Blue Ridge with
metamorphic geology to Ridge and Valley with
sandstone geology
- 1530- 1630 Petites Gap at Crest of Blue Ridge
Overlook of Arnold Valely in Blue Ridge

Mature mixed mesic forest
Edneyville series soil pit
(Coarse-loamy, mixed, active, mesic, Typic Dystrudept)

1630 – 1730 Travel to Poplar Forest

1730 – 1930 Thomas Jefferson's summer home at Poplar Forest
Tour of house and grounds
BBQ dinner

1930 – 2000 Travel to Lynchburg, VA

2000 Arrive at Lynchburg, VA
Overnight at Wingate Hotel, Lynchburg, VA

Saturday, June 28, 2008

Piedmont Physiographic Province

Loblolly Pine and Piedmont Hardwood Forests on Soils Derived from Metomorphic and Igneous Parent Material

0630 – 0700 Breakfast at Wingate Hotel

0700 – 0800 Travel to Appomattox Courthouse

0800 – 0830 R.E. Lee's Headquarters Site, Appomattox Courthouse
Overview of land use history of the Piedmont of
Virginia

0830 – 0900 Travel to Appomattox Buckingham State Forest

0900 – 1030 Appomattox-Buckingham State Forest
18-year-old thinned loblolly pine plantation
Cullen series soil pit
(Very-fine, kaolinitic, thermic Typic Hapludult)

Iredell series soil pit

- (Fine, mixed, active, thermic, Oxyaquic Vertic Hapludalf)
- 1030 – 1100 Break and Travel
- 1100 – 1200 Appomattox-Buckingham State Forest
18-year-old loblolly pine plantation
Tatum series soil pit
(Fine, mixed, semiactive, thermic, Typic Hapludult)
- Erosion catena on Tatum series in loblolly pine
Plantation
- 1200 – 1245 Lunch at Holiday Lake State Park
- 1245 – 1300 Travel
- 1300 – 1400 Appomattox-Buckingham State Forest
~100 year old Piedmont hardwood stand
Georgeville series soil pit
(Fine, kaolinitic, thermic, Typic Kanhapludult)
- 1400 – 1500 Travel to Dylwinn, VA
Overview of Piedmont landscape
- 1500 – 1600 MeadWestvaco Corporation
Loblolly pine planting density and fertilization study
Cecil series soil pit
(Fine, kaolinitic, thermic, Typic Kanhapludult)
- 1600 – 1700 Travel to Blackstone, VA
- 1700- 1800 Amelia Lumber Company
Land application of biosolids in loblolly pine plantations
Appling series soil pit
(Fine, kaolinitic, thermic, Typic Kanhapludults)
- 1800 – 1900 Travel to Wakefield, VA
- 1900 – 1800 Dinner at Virginia Diner, Wakefield, VA

- 1800 – 1830 Travel to Airfield 4-H Center
- 1830 Overnight at Airfield 4-H Center

Sunday, June 29, 2008

**Coastal Plain Physiographic Province
Loblolly and Longleaf Pine and Bottomland Hardwood
Forests on Soils Derived from Marine Sediments**

- 0730 – 0830 Airfield 4-H Center
Breakfast
- 0830 – 0845 Travel to first stop
- 0845 – 1030 Forest Investment Associates Assamoosick Forest
Non-thinned and thinned loblolly pine plantations
Forest Nutrition Cooperative RW-7 Site Prep and
Fertilization Study
Long-term changes in soil P chemistry following
fertilization
Grantham series soil pit
(Fine-silty, siliceous, semiactive, thermic Typic
Palaquult)
- 1030 – 1200 Forest Investment Associates Assamoosick Forest
Thinned loblolly pine plantations
Catena on broad interstream divide
Norfolk series soil pit
(Fine-loamy, kaolintic, thermic Typic Kandiodults)
Lynchburg series soil pit
(Fine-loamy, siliceous, semiactive, thermic Aeric
Palaquults)
Raines series soil pit
(Fine-loamy, siliceous, semiactive, thermic Typic
Palaquults)

- 1200 – 1300 Lunch at Airfield 4-H Center
- 1300 – 1400 Wakefield, Virginia
Bottomland hardwood forest
Narrow-gauge railroad used by Surry Lumber Company
From 1880-1930's
Pantego series
(Fine-loamy, siliceous, semiactive, thermic Umbric
Paleaquults)
- 1400 – 1500 Zuni Pines Natural Area
Longleaf pine forest
Chiple series soil pit
(Thermic, coated Aquic Quartzipsamment)
- Leon series soil pit
(Sandy, siliceous, thermic Aeric Alaquods)
- 1500 - 1530 Break and Final Remarks
- 1530 – 1900 Return to Blacksburg, VA