Central States Forest Soils Workshop
October 11-13, 2011
Natchez Trace State Forest, Tennessee
(Agenda/field itinerary)

Tuesday, October 11th

Registration 3 – 5 p.m., at *Natchez Trace State Park Pin Oak Lodge*
(http://www.tn.gov/environment/parks/NatchezTrace/)

Social hour: 5 – 6 p.m (dinner is on your own)

Evening program

6:00 – 6:15 Welcome to Natchez Trace State Forest, Roy Ward, District Forester, Tennessee Department of Agriculture, Division of Forestry

6:15 – 6:30 Opening remarks, synopsis of the evening program and introduction of the presenter's – Doug Slabaugh, State Soil Scientist, USDA – Natural Resources Conservation Service

6:30 – 7:00 Geologic History of the Natchez Trace State Forest – Dr. Mike Gibson, University of Tennessee at Martin

7:00 – 7:45 Human Influences on the Soils and Ecology of the Natchez Trace State Forest area – David Todd, Tennessee Department of Agriculture, Division of Forestry

7:45 – 9:00 Soils and Ecological inventories of the Natchez Trace State Forest

- Soils of West Tennessee and the Natchez Trace State Forest – Dr. Donald Tyler, Professor, University of Tennessee, Research and Education Center, Jackson, TN
- Ecological site map classification and inventory of the Natchez Trace State Forest – Dr. Glen Smalley, Adjunct Professor, Forestry, Sewanee University of the South

Closing - Preview of the field trips and Wednesday nights banquet, etc. – Doug Slabaugh

Wednesday, October 12th

8:00 AM – Depart Pin Oak Lodge on Busses for Field Stops in Natchez Trace State Forest

Field Stops: (time at each stop will be 30 to 45 minutes)

Natchez Trace SF Stop 1:
Severely Gullied Land restoration site – $35^0$44' 17.3" N; $88^0$21' 29.1" W

- Forest Management and Erosion control practices – Roy Ward and Richard Sanderson, TN Division of Forestry
- Geology – Dr. Mike Gibson, UT Martin
- Soils – Craig Harris and Charlie Davis, NRCS
- Ecological classification and transitions - Dr. Glen Smalley, Sewanee University of the South and Barry Hart, NRCS

Natchez Trace SF Stop 2:
Hardwood timber management in depositional sediments on a bottomland – $35^0$45'40.4" N; $88^0$19'58.0" W

- Stream sedimentation management – Roy Ward
- Soils - Craig Harris and Charlie Davis, NRCS
- Forest Management Practices - Roy Ward and Richard Sanderson, TN Division of Forestry
- Ecological classification and transitions – Dr. Glen Smalley, Sewanee University of the South and Barry Hart, NRCS

Natchez Trace SF Stop 3:
Cherrybark Oak management site – $35^0$46 '27.3"N; $88^0$20'13.1"W

- Bottomland Hardwood management and effects on soil carbon – Roy Ward and Richard Sanderson, TN Division of Forestry
- Soils and Organic Carbon trends - Craig Harris and Charlie Davis, NRCS & Dr Don Tyler, UT Research and Education Ctr.
- Ecological classification and transitions - Dr. Glen Smalley, Sewanee University of the South and Barry Hart, NRCS
- Kudzu management – Roy Ward and Richard Sanderson, TN Division of Forestry

LUNCH - Maple Lake Picnic Area

Natchez Trace SF Stop 4:
Upland Hardwood Management Site – $35^0$52'46.1" N; $088^0$13'27.9" W

- Geology of sandstone outcroppings - Dr. Mike Gibson, University of Tennessee at Martin
- Soils - Craig Harris and Charlie Davis, NRCS & Dr Don Tyler, UT Research and Education Ctr.
- Hardwood management – Roy Ward and Richard Sanderson, TN Division of Forestry

Natchez Trace SF Stop 5:
Cross section of a depositional bottomland – $35^0$51'39.8" N; $088^0$15'25.3" W

- Head cutting and hydrology impacts on a depositional bottomland; overview of **Natchez Trace State Forest Sediment Source Inventory** – Roy Ward
- Forest management practices - Roy Ward and Richard Sanderson, TN Division of Forestry
- Sedimentation and Soils – Craig Harris, NRCS

Natchez Trace SF Stop 6:
Upland Mixed Hardwood and Pine Management site - $35^0$50'19.4" N; $088^0$14'54.4"W

- Forest type, Age distribution and Management – Roy Ward
- Wildlife management by cutting - Roy Ward and Richard Sanderson, TN Division of Forestry
- Soils and Organic Carbon trends - Craig Harris and Charlie Davis, NRCS, Dr. Don Tyler, UT Martin
- Ecological classification and transitions - Dr. Glen Smalley, Sewanee University of the South and Barry Hart, NRCS

Natchez Trace SF Stop 7:
White Oak regeneration site –

- Forest Management Practices for White Oak regeneration - Roy Ward and Richard Sanderson, TN Division of Forestry
- Ecological classification and transitions - Dr. Glen Smalley, Sewanee University of the South and Barry Hart, NRCS

Natchez Trace SF Stop 8:
Soil substratum site –

- New soils forming in former subsoil and substratum materials of severely eroded upland soils - Craig Harris and Charlie Davis, NRCS & Dr. Michael Gibson, UT Martin

5:30 PM – Busses arrive back at Pin Oak Lodge

Wednesday, October 12th Evening Banquet:

6:30 – 8 p.m. ***Natchez Trace State Park Pin Oak Lodge***. (Meal, entertainment, and business meeting, respectively)
Dinner Keynote Speaker - **Representative Steven McDaniel** - Civil War History and impacts to the people and the land of the Natchez Trace State Forest Area

8 -9 PM Evening Social and cash bar

Thursday, October 13th

7:45 -8:00 AM – Load busses and Depart Pin Oak Lodge for Bottomland Hardwoods Research Site on UT Research and Education Center, Jackson, TN

8:00 - 9:00 AM – Bus tour of soils and landscapes from Natchez Trace SP to Jackson, TN – Charlie Davis, NRCS Resource Soil Scientist, Jackson, TN

Tour - UT Research and Education Center, Jackson, TN

Arrive 9:00 - Coffee and restroom break
9:15 - Welcome - Bob Hayes
9:25 - Bottomland hardwood research at the Center (indoor) –David Mercker
9:40 - Load wagons
9:50 - Field tour –
Mercker will deliver a tour narrative, Don Tyler and Ryan Blair will deliver information at each soil pit;
Mercker will discuss pine mgt. at the upland stop
11:50 - Wagons must be back at the parking lot
12:00 - Participants return to Natchez Trace SP

On the tour, if time allows, we may take the wagons to the upland fields to show/discuss the permanent no-til plots.

1:00 PM – Busses arrive back at Pin Oak Lodge and adjourn