

Second Announcement

Scientific Foundations of Conservation Planning in the Cumberland Plateau and Mountains

**November 13-14, 2007
Knoxville, Tennessee**

CONFERENCE OVERVIEW

Objective: Identify, summarize and evaluate scientific information that is highly relevant to conservation planning in the Cumberlands

Location: University of Tennessee's Conference Center at 600 Henley Street in downtown Knoxville. The Conference Center's website (www.outreach.utk.edu) includes a list of near-by hotels.

Schedule:

- November 12: There will be an optional pre-conference field trip to Frozen Head State Park (<http://www.state.tn.us/environment/parks/FrozenHead/>) and Museum of Appalachia (<http://www.museumofappalachia.com/>). The trip will include dinner and music at the Museum. A bus will depart from 600 Henley Street at 12:30 p.m. and return to the same location at approximately 8:30 p.m.
- November 13: 8:00 a.m. to 5:00 p.m.
- November 14: 8:00 a.m. to noon

Conference Registration: The number of conference participants will be limited by the capacity of meeting space. Registrations will be accepted until the capacity is filled. The Conference Registration fee is \$75. Please see the attached Conference Registration Form for details.

Field Trip Registration: There is an additional registration fee of \$50 for participants in the optional field trip on November 12. The fee includes bus transportation, admission to the Museum of Appalachian, and dinner at the Museum. Space on the bus is limited.

PROGRAM DESCRIPTION

The Conference will begin at 8:00 a.m. on November 13 with remarks from senior leaders representing the conservation community and industry. The technical program will begin with three keynote presentations:

- *Geology, physiography, topography and land use history of the Cumberlands.*
Wayne Clatterbuck, University of Tennessee

- *Potential ecological effects of population growth, economic development, invasive species and climate change in the Cumberlands.* Virginia Dale, Oak Ridge National Laboratory
- *An overview of conservation planning and implementation in the Cumberlands.* Alex Wyss, The Nature Conservancy in Tennessee

Following the keynote presentations, leading scientists will describe their research programs and implications of results for conservation planning. Presentation topics are organized in three sessions.

- ***People and Ecosystems*** will cover research on land use trends; natural resource management activities and their effects on ecosystems; and relationships between ecosystem conditions and human health.
- ***Conservation Science*** will explore the scientific foundations of conservation planning and describe current research on selected aspects of biodiversity in the Cumberlands.
- ***Forests of the Cumberlands*** will review the historical record of forest conditions since the mid 20th century and describe current studies of the ecology and management of the region's forests.

The meeting will conclude with a Conference Synthesis presented by Danny Lee (Director of the Eastern Forest Threat Center – USDA Forest Service) and a stakeholders' panel discussion moderated by Dr. Lee.

The Conference Steering Committee includes representatives of Oak Ridge National Laboratory, The Nature Conservancy in Tennessee, University of Tennessee – Knoxville, USDA Forest Service Southern Research Station, and National Council for Air and Stream Improvement. Organization of the Conference has been made possible by funding support from the American Forest and Paper Association.

Registration forms, information about the optional field tour, and the preliminary program are available at the conference web page, <http://www.ncasi.org/Programs/Events/Detail.aspx?id=122>.

Preliminary Program

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NOVEMBER 13

Introductory Comments: 8:00 - 8:30 a.m.

Conference Objectives

Alan Lucier - NCASI

Opening Remarks

Scott Davis - Tennessee Nature Conservancy

Pat Rita - AF&PA

Keynote Presentations: 8:30 - 9:45 a.m.

Geology, physiography, topography and land use history of the Cumberlands

Wayne Clatterbuck - University of Tennessee

Potential ecological effects of population growth, economic development, invasive species, and climate change in the Cumberlands

Virginia Dale - Oak Ridge National Laboratory

An overview of conservation planning and implementation in the Cumberlands

Alyx Wyss, Tennessee Nature Conservancy

break: 9:45 - 10:15 a.m.

People and Ecosystems: 10:15 a.m. - 12:30 p.m.

Trends in landuse and real estate markets in the Cumberlands

Don Hodges, Neelam Poudyal, Angela Hartsfield, and David Ostermeier - University of Tennessee

Watershed studies at the University of the South - initial results and their implications for conservation planning in the Cumberlands

Karen Kuers - University of the South

Appalachian Regional Reforestation Initiative for restoring forests on mined lands

Patrick Angel - Office of Surface Mining

Trends in agriculture and priorities for agricultural research in the Cumberlands

Walt Hitch - University of Tennessee

Survey of landowners in Cumberland Plateau re: forest management objectives
Kevin Hoyt - J.M. Huber Corp. and University of Tennessee

Interactions between environmental conditions and infectious diseases in the Cumberlands
Abelardo Moncayo - Vanderbilt University

Lunch: 12:30 – 1:30 p.m.

Conservation Science: 1:30 - 5:00 p.m.

Scientific foundations of conservation planning
John Weins - Nature Conservancy

Status, applications, and interpretations of TN Heritage and NatureServe data in the Cumberlands
Andy Cutko and Milo Pyne – NatureServe; Roger McCoy - TN Natural Heritage Program

Scientific basis for conservation planning in the Cumberlands
Chris Bullington - Tennessee Nature Conservancy

Forest Service research to support wildlife conservation planning on the Cumberland Plateau
Callie Schweitzer - US Forest Service

break 3:00 – 3:30 p.m.

Conservation status of aquatic species, communities and habitats of the Cumberlands
Peggy Shute – Tennessee Valley Authority

Demography, habitat relationships, and conservation status of cerulean warbler and golden-winged warbler populations in the Cumberlands
David Buehler - University of Tennessee

Research on invasive species in the Cumberlands
Jim Miller - US Forest Service

Forest gap dynamics and succession in the Cumberlands and implications for conservation planning
Justin Hart - University of North Alabama

Reception: 5:00 – 7:00 p.m. in Conference Center

NOVEMBER 14

Forests of the Cumberlands: 8:00 - 10:00 a.m.

Forest resource statistics of the Cumberlands from 1961 to 2005: An analysis of data from the US Forest Service Forest Inventory & Analysis

Chris Oswalt - US Forest Service

Economic incentives for silviculture in the Cumberlands: current and potential role in forest conservation

Steve Bullard – University of Kentucky; Keith Belli - University of Tennessee

Research on two-age management alternatives for Cumberland Plateau forests

Jeff Stringer - University of Kentucky

Pine management options for the Cumberlands

Tom Fox – Virginia Tech

Fire ecology and management in the Cumberlands

Mary Arthur – University of Kentucky

break 10:00 – 10:30 a.m.

Synthesis and Panel Discussion: 10:30 -noon

Observations about the conference and the role of science in conservation planning

Danny Lee, US Forest Service

Comments about learnings from the conference and information gaps

Lark Hayes, Southern Environmental Law Center

Steve Scott, Tennessee Division of Forestry

Katherine Medlock, Alliance for the Cumberlands

Candace Dinwiddie, Tennessee Forestry Association

Keith Belli, University of Tennessee

Tony Melchiors, Weyerhaeuser Company

CONFERENCE REGISTRATION FORM

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November 13-14, 2007
University of Tennessee Conference Center
600 Henley Street
Knoxville, Tennessee

Optional Field Tour on November 12 to Frozen Head State Park & Museum of Appalachia

Name _____

Organization _____

Address _____

Telephone # _____

Fax # _____

Email Address _____

Registration Fee:	November 13-14	<u> \$75 </u>
	Field Tour (add \$50)	<u> </u>
	Total	<u> </u>

Registration fee for November 13-14 includes conference lunch and cash-bar reception on November 13 as well as coffee and light continental breakfast both days.

Fees are payable by check or credit card. If you wish to charge fees to a credit card, please complete the Payment Authorization Form and submit it with your Registration Form. Send Registration Forms with check or Payment Authorization to:

Mary McReynolds
NCASI
PO Box 13318
Research Triangle Park, NC 27709-3318
FAX 919-941-6401

Questions about registration:
Mary McReynolds
phone 919/941-6400
email mmcreynolds@ncasi.org

PAYMENT AUTHORIZATION FORM

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Optional Field Tour on November 12 to Frozen Head State Park & Museum of Appalachia

I authorize NCASI to charge \$ _____ to my:

American Express Discover MasterCard Visa

Card # _____

Expiration Date: _____

Signature of Card Holder _____

Name as it appears on credit card (print) _____

Billing Address _____

Card Holder's daytime phone # _____

Conference registrants paid for, if other than Card Holder
