

Detailed Conference Program

MONDAY, NOVEMBER 1

8:00–11:00 Poster setup (*Azalea Room*)

8:30 Registration opens (*hotel lobby*)

9:30–12:30 **WORKSHOP: Invasive Pest Plants of the Southern Appalachians.** (*Dogwood I*) Organized by Hilary Vinson, led by Lee Patrick, Invasive Plant Control, Inc. Participants will learn about the identification, biology, and recommended control strategies for invasive pest plants in the Southern Appalachians and will learn methods for planning invasive pest plant control programs. Includes trip to the GSMNP to observe ongoing invasive plant controls projects. Ideal for resource managers as well as community groups interested in invasive species control. (p.13)

1:00–1:20 **Conference Opening** (*Dogwood I/II*) by Suzette Kimball, Chairperson, SAMAB Executive Committee, USGS-BRD; Conference goals by Robb Turner, Executive Director, SAMAB (p.15)

1:20–1:45 **Charles Adams**, NRCS, Director SE Region (*Dogwood I/II*) (p.15)

1:45–2:15 **Sam Hamilton**, USFWS, Director SE Region (*Dogwood I/II*) (p.15)

2:15–2:30 Break

Dogwood I

Dogwood II

2:30–3:30	Indiana Bat Biology and Forest Management Chair: Brian Cole, US FWS 2:40 Robert Currie, “Status, protection and recovery of the endangered Indiana Bat (<i>Myotis sodalis</i>)” (p.17) 3:00 John MacGregor, “Forest management and the protection and recovery of an endangered species: The Daniel Boone National Forest Indiana Bat (<i>Myotis sodalis</i>) Conservation Strategy” (p.17) Wrap-up: Ranotta McNair, National Forests of North Carolina	Community Partnering for Watershed Solutions (part 1) Chair: Katherine Sells, NRCS; Organizer: Susan Kask, Western Carolina University 2:40 Blaine K. Delaney, “Building multi-state river basin coalitions” (p.21) 3:00 Michael G. Altizer, “Sustainability on grassland farms in Virginia” (p.22) 3:20 Wayne E. Turley and Pat Houston, “Holston River Soil and Water Conservation District serves the agricultural community’s needs in Southwest Virginia” (p.22)
3:30–4:30	Panel Discussion: Proactive Forest Planning/Management with Communities. Organizer/Chair: Frank Findley, Asst. Ranger, for Recreation Resources, USDA, Forest Service, Cheoah. (p.19) Participants: Mark Robison, Forester; Janet Smith, Nantahala Outdoor Center; Dale Wiggins, Commissioner, Graham Co., NC; Steve Eller, Regional Planner of Region A Southwestern Commission.	4:00 Gary F. Gumz, “Toward a regional sustainable agricultural system” (p.23) Wrap up
4:30–6:00	Proposed Forest Plan Revisions in Response to the Southern Appalachian Assessment, Organizer/Chair: Terry Seyden, National Forests of North Carolina; Topics: overview of plan revisions, wildlife issues/partnerships; watershed assessment/riparian areas; where we go from here from the decision maker’s perspective; the role of research, and new directions in planning. (p.25)	
6:00–7:30	Posters, wine and cheese (<i>Azalea Room</i>) (Organizer: Karen Lorino, Energy, Environment and Resource Center) Posters are listed at the end of the program. (p.27-37)	

* Speakers’ affiliations are provided with their abstracts.

TUESDAY, NOVEMBER 2, Morning

7:30–8:30 Continental Breakfast (*Indoor pool area*)

	<i>Dogwood I</i>	<i>Dogwood II</i>
8:30–10:30	<p>Partnering to Manage Invasive Species Organizer/Chair: Hilary Vinson, US FWS Lead Speakers:</p> <p>8:35 Larry Fowler, USDA-APHIS, “Proposed SAMAB role in Federal invasive species activities” (p.38)</p> <p>9:05 Bill Gregg, USGS-BRD, “Emerging issues and new Federal initiatives on invasive species” (p.38)</p> <p>9:35 Steve Manning, “Public and private partnership strategies for invasive plant control... The city level” (p.39)</p> <p>9:55 Kristine Johnson, “Southeastern Exotic Pest Plant Council” (p.39)</p> <p>Wrap-up: Larry Fowler</p>	<p>Processes for Partnering with Communities Chair: Susan Kask, WCU Lead Speakers:</p> <p>8:30 Virginia Seitz and Tony Hebert, Community Partnership Center~University of Tennessee, “Building partnerships in sustainable development” (p.41)</p> <p>8:50 Stephanie Wilds, “Our valley, our future: Land use in the Swannanoa Valley, and a good neighbor approach to sharing resources” (p.42)</p> <p>9:10 Mary English, “Building communities by Building Smart Growth” (p.42)</p> <p>9:30 Juanita Wells, “Strategic planning: Is there a need?” (p.43)</p> <p>9:50 Dodd Galbreath, “Neutralizing fear: Working with communities to solve sensitive problems” (p.43)</p> <p>Wrap-up: Phillip Gibson, Western North Carolina Tomorrow</p>
10:30–10:45	Break	
10:45–12:30	<p>Managing Invasive Plants in the Natural Environment Organizer/Chair: Hilary Vinson, US FWS</p> <p>10:50 Bob Merriam, “Are exotic pest plants bothering your native plants?” (p.45)</p> <p>11:10 W. Henry McNab, “Distribution of the exotic oriental bittersweet vine in relation to moisture and disturbance regimes in the Southern Appalachians” (p.46)</p> <p>11:30 William Hamilton, “Managing invasive species at Warren Wilson College” (p.46)</p> <p>11:50 Gary Kauffman, “Native plant seed mix” (p.47)</p> <p>Wrap up: Kristine Johnson, GSMNP and Southeastern Exotic Pest Plant Council; and Larry Fowler, USDA-APHIS</p>	<p>Interactive Workshop: Methods for Building Community Partnerships Led by Virginia Seitz and Tony Hebert, Community Partnership Center~University of Tennessee</p> <p>Participants in this workshop will learn a variety of methods for promoting community participation in natural resource management and sustainable development. This workshop will give participants practical tools for: determining who to work with in a community, engaging community members in planning and priority setting, including community members in data collection, documentation and analysis, and promoting ongoing involvement in equitable partnerships. Workshop participants will have an opportunity for hands-on experience in selected methods through interactive activities. (p.49)</p>

12:30–2:00 Lunch on your own or **NEPA Roundtable w/ box lunch** (*Highlander Room, 2nd floor of hotel*) (organized and led by Harold Draper, TVA) The SAMAB Environmental Assessment Database and Trends in Environmental Impact Assessment in the Southern Appalachians (p.51)

TUESDAY, NOVEMBER 2, Afternoon

2:00–2:30 **Milton Hamilton**, Commissioner, Tennessee Department of Environment and Conservation, “Working Together for Sustainable Solutions” (*Dogwood I/II*) (p.53)

	<i>Dogwood I</i>	<i>Dogwood II</i>
2:30–4:15	<p>Southern Appalachian Forest Dynamics Chair: Nancy Herbert, USDA Forest Service Southern Research Station</p> <p>2:40 Charles Lafon, “Influences of pre-abandonment soil loss on forest succession rates and tree diversity on former pastures on the Oak Ridge Reservation, East Tennessee” (p.55)</p> <p>3:00 N.S. Nicholas, Cindy Huber, Bill Jackson, “Baseline stand structure and condition of northern hardwood forests in the Southern Appalachians” (p.56)</p> <p>3:20 Cathryn Greenberg, “Acorn production by five oak species in the Southern Appalachians” (p.57)</p> <p>3:40 M. Barker, H. Van Miegroet, N.S. Nicholas, “The role of overstory nitrogen uptake as a sink for atmospheric N in Southern Appalachian spruce-fir forests” (p.58)</p> <p>Wrap-up: Charlie Van Sickle, US Forest Service, ret.</p>	<p>Community Growth Issues Chair: Melanie Catania, TDEC</p> <p>2:40 Russell England, “Prevailing growth strategies that prevent community sustainability” (p.59)</p> <p>3:00 Virginia Faust, “Traditional neighborhood developments” (p.60)</p> <p>3:20 Linda Cable, “Swain County Heritage Tourism Development Plan” (p.61)</p> <p>3:40 Robert Allen, “The structure and implementation of Tennessee’s Growth Policy Act” (p.61)</p> <p>Wrap up</p>
4:15–4:30	Break	
4:30–5:45	<p>Southern Appalachian Air Quality Assessments Chair: Larry Hartmann, NPS, Great Smoky Mountains National Park</p> <p>4:30 William Pendergrass and Steven Trotter, “East Tennessee Ozone Study (ETOS)” (p.63)</p> <p>5:10 Patricia Brewer, “Predicting air quality benefits in the Southern Appalachian mountains” (p.64)</p> <p>Wrap-up</p>	<p>Multiple Objectives for Greenways and Trails Chair: Jack Ranney, UT EERC</p> <p>4:30 Rob Weber and Arlene Barnett, “The Cumberland Trail State Park: A conservation initiative and viable economic alternative for Southern Appalachia” (p.65)</p> <p>4:50 Sam Rogers, “The Pistol Creek Greenway...a riparian landscape demonstration project within an urban stream corridor” (p.66)</p> <p>5:10 Murray Wade, “Foothills Parkway Section 8B Environmental Report” (p.66)</p> <p>5:30 Vernon C. (Tom) Gilbert, “Monitoring the AT environment: An announcement to begin organizing a Southern Appalachian component” (p.67)</p> <p>Wrap-up: Susan Callendrusio, Knox County, TN Greenways Coordinator</p>

6:30–8:30 **Food and Fun.** Presentation of SAMAB Awards and reception at Calhoun’s. Heavy hors d’oeuvres and music by the area’s best Bluegrass band. (Calhoun’s Banquet Facility, 1004 Parkway, about 1 block from the entrance to the Great Smoky Mountains National Park)

WEDNESDAY, NOVEMBER 3, Morning

7:30–8:30 Continental Breakfast (*Indoor pool area*)

	<i>Dogwood I</i>	<i>Dogwood II</i>
8:30–10:00	<p>Community Partnering for Watershed Solutions (Part 2) Chair:</p> <p>8:40 Frank Sagona, “Building partnerships in the Tennessee Valley: Like the landscape, it’s varied” (p.69)</p> <p>9:00 William McLarney, “Little Tennessee Watershed Association and Land Trust for the Little Tennessee” (p.70)</p> <p>9:20 Ronald Moser and Burline Pullin, “Partnerships for the Pigeon” (p.71)</p> <p>Wrap-up: Ruth Anne Hanahan, Tennessee Water Resources Research Center</p>	<p>Forest Change and Sustainability Chair, John Ramey, National Forests of North Carolina Lead Speakers,</p> <p>8:30 John Greis, Southern Region USDA Forest Service, and Dave Wear, Southern Research Station, USDA Forest Service, “Southeast forest sustainability assessment” (p.73)</p> <p>8:50 Kyle Warren, Jonathon Evans, and Lynn Barnett, “Accelerated conversion of native hardwood habitat to pine plantation on the Cumberland Plateau of southeast Tennessee” (p.73)</p> <p>9:10 Thomas A. Waldrop, Nicole Turrill Welch, Patrick H. Brose, and Helen H. Mohr, “An overview of current research on restoring Table Mountain Pine (<i>Pinus Pungens</i>) communities with stand replacement fire” (p.74)</p> <p>9:30 Kim DeLozier, “Experimental elk release at Great Smoky Mountains National Park” (p.75)</p> <p>Wrap-up</p>
10:00–10:15	Break	
10:15–12:00	<p>Challenges for Gateway Communities Chair: Melanie Catania, TDEC</p> <p>10:20 Shawn Bengé, “The role of the National Park Service in building relationships with gateway communities” (p.77)</p> <p>10:40 Charlynn Maxwell Porter, “Gatlinburg: Taking action to preserve quality of life” (p.78)</p> <p>11:00 Ron Beckman, “Focus on community: The city of Townsend” (p.78)</p> <p>Wrap-up: Melanie Catania</p>	<p>Information for Community Planning and Resource Management Chair: Frank van Manen</p> <p>10:20 Becky Nichols, “ATBI: What have we learned so far?” (p.79)</p> <p>10:40 John Peine, “Citizen Access to Information on Community Sustainability” (p.80)</p> <p>11:10 Jim Kahn and Steve Stewart, “Integrating ecology and economics: Conjoint analysis and the Clinch Valley ecological assessment” (p.80)</p> <p>11:30 Phillip Gibson, “Western North Carolina communities: Lessons learned and strategies for tomorrow” (p.81)</p> <p>Wrap-up: Frank van Manen, USGS-BRD</p>

12:00–1:15 Lunch on your own

WEDNESDAY, NOVEMBER 3, Afternoon

- 1:15–2:15 Panel Discussion: **Federal Transportation Enhancement Funding for Community Projects: ISTEA and TEA-21** (*Dogwood I/II*)
Moderator: Robert Wheeler, FHWA
Participants: Robert Wheeler, Environmental Program Specialist of the Federal Highway Administration Southern Resource Center; Bob Cassada, Virginia DOT; Deborah Delucia, ETDD; Robert Kopetsky, North Carolina DOT. Wheeler will kick off the panel with a discussion of ISTEA and TEA-21, including eligible activities, levels of funding, and community opportunities. Other panelists will discuss successes they have had using these transportation funding sources to study, prevent, and mitigate effects of surface transportation. Information about how communities can apply for TEA-21 support will be provided. (p.83)
- 2:15–2:45 Plenary Speaker: **Steve Nash**, “Transmontane Infosmog Control Strategies.” Nash is the author of *Blue Ridge 2020: An Owner’s Manual* and an associate professor of journalism at University of Richmond. His environmental reporting has appeared in *Bioscience*, *The Scientist*, *National Parks*, the *Washington Post*, and the *Christian Science Monitor*. (*Dogwood I/II*) (p.83)
- 2:45–3:00 Conference Closing: Robb Turner (*Dogwood I/II*)
- 3:00–5:15 **WORKSHOP: Community-based Assessment of Scenic Quality** (*Highlander Room, 2nd floor of hotel*) Laura Rotegard, Community Planner at the Blue Ridge Parkway, will lead this workshop designed for community members and resource managers, alike. Participants will be introduced to a method of systematically inventorying and assessing scenic views. Community participation is integral in the assessment technique and fosters understanding of the views as well as firm connections to community decision makers. The method encourages partnerships within communities and between communities and neighboring land and resource managers. The workshop includes a field trip to the Great Smoky Mountains National Park to analyze viewsheds. (p.85)

Poster Presentations*
(Monday, Nov. 1, 6:00-7:30, Azalea Room)

D. Briane Adams, “The USGS mission and focus areas” (p.27)

Jane L. Brown, Anne F. Rogers, Rodney Snedeker, and Walt Cottingham, “Summer ventures at Waychutta (31JK285)” (p.28)

Robert A. Browne, Jeffrey W. Lavoie, and Flora Ann Bynum, “Tree and mammal species richness in Piedmont North Carolina 1760-1996” (p.28)

Joseph F. Connell, “USGS National Water-Quality Assessment Program” (p.29)

Charles Feldhake, “Appalachian Farming Systems Research Center, Beaver, West Virginia” (p.29)

Charles Feldhake, “Agroforestry: Working trees for agriculture, National Agroforestry Center, Lincoln, Nebraska” (p.30)

Vernon C. (Tom) Gilbert, “Monitoring the AT environment: An announcement to begin organizing a Southern Appalachian component” (p.30)

Larry Hartmann, et al., “Great Smoky Mountains National Park Programs” (p.31)

Robert Hawk, “Healthy Greenway Trails: A Southwest North Carolina greenways program” (p.31)

Beth Hunley and Joann Felzing, “MICAH-Mountain Interfaith Creative Action at Home” (p.31)

Peg Jones, “The effects of Hurricane Floyd—Why we shouldn’t build in floodplains” (p.32)

Rod Kindlund, “Strategic framework for planning at the Southern Research Station” (p.32)

Randy D. McCracken, “On-line delivery of research products” (p.32)

D.L. Morrison, I.F. Creed, N.S. Nicholas, “Nitrogen dynamics in coarse woody debris: A net source sink to the forest?” (p.33)

Jerry S. Olson and William Hargrove, “Related Geographic and Model Frameworks for Community Studies” (p.34)

Patricia D. Parr, “The Association of Southeastern Biologists” (p.34)

Virginia Seitz and Tony Hebert, “Building partnerships in sustainable development” (p.35)

Southern Appalachian Mountains CESU, “Southern Appalachian Mountains Cooperative Ecosystem Studies Unit: Collaborative research for solutions to natural resource problems” (p.35)

H. Van Miegroet, N.S. Nicholas, and I.F. Creed, “An integrated approach to assess spatial variability in N dynamics in a small headwater catchment in the Great Smoky Mountains National Park” (p.36)

Louise M. Weber, “Conservation education for the real world: An example from Warren Wilson College” (p.36)

* Presenters’ affiliations are provided with their abstracts.