



**2002 SAMAB Fall Conference
Detailed Conference Program
November 5-7, 2002**

Measuring, Mitigating, and Managing Human Impacts in the Southern Appalachians

Tuesday, November 5		
8:30	National Forest Foundation Partners meeting (by invitation from NFF)	Environmental Stewardship and Streamlining in Transportation Planning and Project Decision-making Chair: David Sullivan, FHWA 8:30 David Sullivan, Overview of National Strategic Goals for Federal Highways Programs and Implications of Executive Order No. 13274 on "Environmental Stewardship and Transportation Infrastructure Project Reviews" 8:50 Robert Scoggin, Arkansas Highway and Transportation Department Historic Bridge Management System 9:10 Harold Draper, Transportation Planning and Permitting in the Southern Appalachians 9:30 Discussion
10:00	Break	Break
10:30	NFF Partners meeting continued	Environmental Stewardship and Streamlining in Transportation Planning and Project Decision-making (continued) 10:30 Hugh Irwin, Evaluating and Mitigating the Effects of Transportation Projects on Landscape Natural Areas in the Southern Appalachians 10:50 William Gilmore, Streamlining Initiatives in North Carolina: A Focus on the Ecosystem Enhancement Program 11:10 Randal Looney, GIS Supported Transportation Projects in Arkansas: Success and Future Challenges 11:30 Discussion
12:00	NFF Partners luncheon; or NEPA Roundtable luncheon; or lunch on your own	
1:30 – 2:30	Plenary SAMAB Leadership: Welcome and opening remarks Gene Cleckley , Director of Field Services, South, U.S. DOT, FHWA	
2:30	Break	
3:00	The 2002 Farm Bill – Land and Resource Conservation Opportunities Chair: Jenny Adkins, NRCS 3:00 Kelly Tiller and Daryll E. Ray, Implications of the 2002 Farm Bill 3:20 Donald Dotson, 2002 Farm Bill Conservation Programs 3:40 Chip Ramsey, Application of Best Management Practices Utilizing Available Cost-Share Programs 4:00 Discussion	Environmental Stewardship and Streamlining in Transportation Planning and Project Decision-making (continued) 3:00 Alex Levy, Transportation and Ecosystems: Mitigating Habitat Fragmentation and Wildlife/Highway Interactions 3:20 Brian Brasher 3:40 Tim Hunter 4:00 Discussion
6:00 – 9:00	Reception at the Gatlinburg Aquarium	

Wednesday, November 6				
8:30 – 9:30	Plenary Bill Ross , Secretary, North Carolina Department of Environment and Natural Resources Joel Hirschhorn , Natural Resources Policy Studies Director, National Governors Association			
9:30 – 9:45	Break			
9:45	SAMAB Foundation Advisory Board Meeting	Challenges and Progress in Gateway Communities Chair: John Peine, USGS 9:45 John Peine, Introduction 10:00 Greg Kidd, Greater Smoky Mountains Coalition 10:20 Geoffrey Wolpert and Sue Bock, Citizen-based Community Organization 10:40 Glenn Cardwell, Community Building and Ordinances for Sustainability 11:00 Tom Talley, Community Building and Highway Design 11:20 Teresa Cantrell, Public Transportation 11:40 Bobby Thompson, Night Sky Protection	The Southeastern Ecological Framework Workshop: Supporting State Efforts to Manage Ecological Integrity Chair: Rick Durbrow, US EPA Region 4 Speakers: 9:45 Cory Berish, Southeastern Ecological Framework: Synergistic Ecosystem Protection 10:30 Marc DeBree, Connecting the Dots in State Greenspace Planning 11:15 Terry Jackson, Assessing Cultural and Historical Resource Occurrence with the SEF	Restoring Warm Season Native Grasses Chair: Mike Ryon, Oak Ridge National Laboratory 9:45 Wes James, Native Warm Season Grass Restoration on TVA Lands in the Eastern Valley Region 10:05 Wayne Schacher, Seven Island Wildlife Refuge: From Vision to Reality 10:25 Mark Peterson, Restoration of Riparian Plant Communities on the Oak Ridge Reservation 10:45 Dana Soehn and Jenny Beeler, Meadow Restoration in Great Smoky Mountains National Park 11:05 General discussion 11:30 Discussion of Acceptability of Non-local Genotypes of Native Grasses, Lisa Huff, TDEC, facilitator
12:00	Gateway communities luncheon; or pick up box lunch for field trip; or lunch on your own			
12:30				Field trips depart:
1:00	Challenges and Progress in Gateway Communities (continued) 1:00 John Peine, Nuisance Bears 1:20 Melissa Nance-Richwine, River Protection 1:40 Ray Shaw, Historic Preservation 2:00 Ray Shaw and Jack Ranney, Invasive Species 2:20 Barbara Duncan, Cultural Heritage 2:50 Break 3:20 Gil Melear-Haugh, Green Energy 3:40 Luke Hyde, Economic Development 4:00 Open discussion about collaboration among gateway communities	Supporting State & Local Efforts to Manage Ecological Integrity (continued) 1:00 Robert Fuhler, Innovations in Wetland Mitigation Banking 1:45 Rick Durbrow, SEF GeoBook: A GIS Web Interface for Program Decision Support 2:30 Discussion: Use of GeoSpatial Technologies to Support State Programmatic Decision Making for Ecosystem Protection 4:00 Adjourn	Native Grass Restoration in Cades Cove Transportation Planning in Cades Cove Restoring Lake Sturgeon to the French Broad River	
5:30 – 7:00	Poster Session with light hors d'oeuvres; SAMAB Awards See page 5 for poster presenters and titles.			

Thursday, November 7, a.m.		
8:00	<p>Invasive species—Impending Change to Forest Ecosystems Chair: Jack Ranney, UT Energy, Environment and Resources Center Moderator: Jim Brown, USDA Forest Service 8:00 Steve Oak and Don Duerr, Update on Some Invasive Species: Asian longhorn beetle, emerald ash borer, bark beetles, gypsy moth, and sudden oak death 8:40 Darryl Jewett, Biological Control of Kudzu 9:05 Michael Mancusi and N.S. Nicholas, Alterations in Stand-Structure in the Great Smoky Mountains National Park Spruce/Fir Forests 9:30 Discussion</p>	<p>Enhancing Imperiled Aquatic Populations Chair: Gary Peeples, US Fish and Wildlife Service 8:00 Bill McLarney, Biomonitoring as a Tool for Conservation in the Little Tennessee Watershed 8:20 Richard Kirk, Rare Species Restoration in the Appalachians 8:40 Carlos Echevarria, Captive Refugia and Propagation Work for Freshwater Mussels at the Warm Spring NFH 9:00 Patrick Rakes and J.R. Shute, Historical Review of Efforts to Restore Four Federally Protected Fish Species to Abrams Creek, Great Smoky Mountains National Park 9:20 Discussion</p>
9:45	Break	
10:15	<p>Invasive species—Impending Change to Forest Ecosystems (continued) 10:15 Robert Keller, Keystone with a Vengeance: Effects of an Exotic Species, European Wild Boar (<i>Sus scrofa Linneaus</i>), on the Vegetational Structure and the Small-Mammal Community on the Oak/Hickory Forests of Great Smoky Mountains National Park 10:40 Scott Pearson and Alan Smith, Land Use History, Landscape Context, and the Abundance of Exotic Plant Species in the Ivy Creek Watershed, North Carolina 11:05 Donald Davis, Natural Aliens: An Environmental History of Invasive Species in the Southern Appalachians 11:30 Jack Ranney, SAMAB Invasive Species Initiative 11:50 Discussion</p>	<p>Enhancing Imperiled Aquatic Populations (continued) 10:15 Peter Galbreath, Genetic Origin Characterization of Wild Brook Trout Populations in North Carolina 10:35 Jess Jones, Propagation of Endangered Freshwater Mussels at the Freshwater Mollusk Conservation Center, Virginia Tech 10:55 Ed Scott, Biological Restoration of Two East Tennessee Tailwaters Following Water Quality Improvement at Hydroelectric Plants 11:15 Discussion</p>
12:00	Lunch on your own	

Thursday, November 7, 2002, p.m.

1:30	<p>Southern Forest Resource Assessment—Implications for the Southern Appalachians Chairs: Paul Mistretta and Jim Brown, USDA Forest Service 1:30 Dave Wear, SoFRA’s Land and Timber Findings: Implications for the Southern Appalachians 1:50 Jim Herrig, SoFRA’s Fisheries Findings: Implications for the Southern Appalachians 2:10 Margaret Greip, SoFRA’s Wildlife Findings: Implications for the Southern Appalachians 2:30 Ken Cordell, SoFRA’s Recreation Findings: Implications for the Southern Appalachians 2:50 Paul Mistretta - SoFRA’s Forest Health Findings: Implications for the Southern Appalachians 3:10 Discussion</p>	<p>Enhancing Imperiled Aquatic Populations (continued) 1:30 Brad Kreps, Using Satellite Imagery and GIS Analysis to Guide Restoration Efforts on Mined Lands in the Clinch and Powell River Valleys 1:50 Mark Cantrell, Aquatic Restoration and Enhancement in a Regulated River: An Example of a Collaborative Effort from The Lower Little Tennessee River Basin 2:10 Discussion</p>	<p>Hemlock Adelgid Invasion in the Southern Appalachians: If You're Not Concerned Now, YOU NEED TO BE Chair: Carroll Schell, Great Smoky Mountains National Park 1:30 Rich Evans, Hemlock Woolly Adelgid and the Disintegration of Hemlock Ecosystems 1:55 James Akerson, The History of HWA Infestation at Shenandoah National Park, and What We Have Learned 2:20 Mark Mayer 2:45 Glenn Taylor and Scott Kichman, Hemlock Woolly Adelgid Monitoring and Management in Great Smoky Mountains National Park 3:10 Discussion</p>
2:45		<p>Biotic Integrity and the TMDL Process Mike Spencer, GA Department of Natural Resources 2:45 Thomas Litts, et al., Using Geographic Information Systems to Support Total Maximum Daily Load Development in Georgia 3:05 Georgia EPD, The 303D List, Developing TMDLs, and Monitoring. 3:25 David Melgaard, Ongoing U.S. EPA TMDL Related Projects in the South 3:45 Discussion</p>	
3:30	Break		
3:45	<p>Managing Non-Timber Forest Resources and Air Quality Chair: Paul Mistretta, USDA Forest Service 3:45 Jim Chamberlain, Non-Timber Forest Products: The Need to Measure, Mitigate and Manage Human Impact on These Resources 4:05 Jim Renfro, Visibility Improvement – State and Tribal Association of the Southeast (VISTAS) 4:25 Discussion</p>		<p>Hemlock Adelgid Invasion in the Southern Appalachians: If You're Not Concerned Now, YOU NEED TO BE (continued) 3:45 Denise Royle, A Landscape Analysis of Hemlock Decline in New Jersey 4:10 Rusty Rhea 4:30 Discussion</p>

Poster Presentations: (Wednesday, November 6, 2002)

- Robert D. Keller, Hog Wild: Using GIS to Examine 27 Years of Hog Control Efforts (1976-2002) in Great Smoky Mountains National Park
- Travis Belote, Jake Weltzin, and Richard Norby, Will Rising CO2 Levels Affect Southern Appalachian Invasive Species?
- Jean Hilten, Discover Life in America and the All Taxa Biodiversity Inventory: Science for Stewardship
- Danny Trieff, Paris Lambdin, and Jerome Grant, Beetles Collected from Northern Red Oak in The Great Smoky Mountains National Park
- Lee Buck, Paris Lambdin, and Jerome Grant, Survey of the Insect Fauna on Eastern Hemlock and Pseudotsuga, A Predator of the Hemlock Woolly Adelgid, Adelges Tsugae
- Jerome F. Grant, Paris L. Lambdin, and Adriean J. Mayor, Nectar Thieves, Pollen Robbers, and Pollinators of Hybrid Azalea, Rhododendron Spp., in The Great Smoky Mountains National Park
- Barton D. Clinton, Mark S. Riedel, and James M. Vose, Assessing Impacts of Forest Road Conditions and Management Practices On Runoff Water Quality To Streams
- Scott M. Pearson and Dawn M. Dextraze, Modeling the Distribution of Forest Community Types in the South Mountains of North Carolina
- Hugh Irwin, Evaluating and Mitigating the Effects of Transportation Projects on Landscape Natural Areas in the Southern Appalachians
- Carla Norwood, Index of Biotic Integrity and Community Education in the Upper Little Tennessee Watershed
- James B. Martin, Invasive Species in Transportation Rights of Way: "You Wouldn't Plant Kudzu, Would You?"
- Jack Ranney, SAMAB Invasive Species Initiative
- Lorraine Maloof, Heather Hammett, Ramla Osman, The Southern Forest Resource Assessment: Implications for the Southern Appalachians (Assessment Questions: Terra 1, Terra 3, Aqua 5)
- Henry Angelopoulos, Emma Garcia, and Mary Beatrice Harris, Aquatic Insect Populations of Polluted Waters
- Virginia A. Faust, Recreating Neighborhoods: Putting the Pieces Together
- Jack Ranney, Tennessee Exotic Pest Plant Council