

**SAMAB's 14th Annual Conference**  
**Meeting the Challenges of a Changing Region**  
**Detailed Conference Program (tentative)**



<b>Tuesday, November 4</b>			
8:30	Welcome and Opening Remarks: Larry Hartmann, Robb Turner, Gary Peebles		
9:00	Keynote Address <b>Barbara Weber</b> , USDA Forest Service, Associate Deputy Chief for Research and Development		
10:00	Break		
10:30	<p><b>Facing the Threat of the Hemlock Woolly Adelgid</b>  Moderator: Carroll Schell, NPS, Great Smoky Mountains National Park  10:30 Rusty Rhea, Past, present and future of hemlock woolly adelgid  11:20 Robb Turner and Larry Hartmann, The Save Our Hemlocks Action Team activities and progress</p>	<p><b>Managing Growth Around Protected Areas: Empowerment through Collaboration</b>  Workshop Leader: John Peine, USGS  10:40 Tools to Managing Growth, Mary English, University of Tennessee, Energy, Environment &amp; Resources Center    11:20 Overview of Key North Carolina Initiatives, Bill McNeill, Director of the NC Division of Community Assistance-Raleigh    12:00 Working lunch (cost payable at conf. registration or at the workshop)</p>	<p><b>Traversing the Landscape: Highways and Trails</b>  Moderator: Scott Pearson, Mars Hill College  10:30 Scott Pearson, Topography, Transportation, and Dynamics of Forested Land Covers in the Southern Blue Ridge Province  10:50 Alex Levy, Interaction Between Roadways &amp; Wildlife Ecology: Based on the NCHRP  11:20 Jeffrey Hunter, Southern Appalachians Initiative of the American Hiking Society  11:45 Adam Fiscor et al., GPS-based mapping of natural resources using georeferenced video</p>
12:00	Lunch on your own		
1:30	<p><b>Facing ... Hemlock Woolly Adelgid (cont'd)</b>  1:30 Tom Holmes, The economic impacts of hemlock woolly adelgid  2:00 Sharon Lumpkin et al., Responses of Southern Appalachian ecosystems to hemlock woolly adelgid at the Coweeta watershed  2:30 Scott Salom, Title forthcoming</p>	<p>1:00 NC Growth Policy Initiatives  Numerous speakers representing organizations active in growth issues around protected areas    2:50 Break    3:15 Discussion concerning strategies for collaboration    4:45 Summary of findings of the discussion</p>	<p><b>Mapping and GIS for Planning and Protection</b>  Moderator: Tom Tribble, NC CGIA  1:30 Tom Tribble, Title forthcoming  2:00 Chris Kannan, The National Map  3:00 Mike Hart, USDA Geospatial Data Gateway</p>
3:00	Break		
3:30	<p><b>Facing ... Hemlock Woolly Adelgid (cont'd)</b>  3:30 Glenn Taylor, The invasion: Status of eastern hemlock vs. hemlock woolly adelgid in Great Smoky Mountains National Park  4:00 Paris Lambdin et. al., Will mass-releases of <i>Pseudoscymus tsugae</i> suppress hemlock woolly adelgid populations?  4:30 Richard Pais, Recovery of the hemlock forest at Bushkill Falls after infestation by hemlock woolly adelgid (<i>Adelges tsugae</i>)</p>	<p>5:00 adjourn</p>	<p><b>Mapping and GIS (cont'd)</b>  3:30 PJ Nabors et al., Introducing the Appalachian inventory &amp; monitoring information synthesis project  3:55 Shelaine Curd-Hetrick et al., Retrieving Little Tennessee Watershed data for conservation use  4:20 Mark Cantrell and Neil Thomas, Watershed-based tool to assess land use and development change  4:45 Hugh Irwin, Using GIS to explore the pattern of fire on the landscape in the Southern Appalachians</p>
6:00	Dinner reception at the Grove Arcade		

**Wednesday, November 5**

8:30	<p><b>Protecting and Restoring Southern Appalachian Streams and Rivers</b>  Moderator: Phillip Gibson, RiverLink  8:30 Sharon Fouts Taylor, The Needmore conservation project  9:00 Callie Dobson, Reducing sedimentation and improving stream habitat in the Brasstown Creek Watershed  9:30 Wes Cooler, Partners For Trout — Restoring and enhancing trout habitat in the South Carolina Mountains</p>	<p><b>Dealing with Invasive Plants and Insects</b>  Moderators: Jane Hargreaves, Asheville Weed Team, and Jack Ranney, UT EERC  8:30 Dick Bir, The Plant Invasion and the NC Exotic Pest Plant Council  8:50 Jack Ranney and Asheville Weed Team Partners, The Asheville Weed Management Area control activities  9:30 Greg Wiggins et al., Spotted knapweed and its natural enemies in Tennessee—A model for biological control?</p>
10:00	Break	
10:30	<p><b>Protecting and Restoring Southern Appalachian Streams and Rivers (cont'd)</b>  10:30 Phillip Gibson, River restoration through citizen empowerment  10:50 Bob Williams, The Pigeon River restoration project and the Blue Ridge Paper Company  11:10 Joyce Coombs et al., A survey of the Pigeon River re-introduction efforts  11:30 Jon Calabria, Stormwater Wetland nstallation at the North Carolina Arboretum, Asheville, NC</p>	<p><b>Dealing with Invasive Plants and Insects (cont'd)</b>  10:30 Elizabeth Long, Imported fire ants are coming: Are you ready?  11:00 Michael Mancusi and N.S. Nicholas, Recent mountain-ash (<i>Sorbus Americana</i> Marsh.) stand dynamics in the Great Smoky Mountains spruce-fir</p>
12:00	Lunch on your own or NEPA / Environmental Coordination Roundtable Luncheon (by registration)	
1:30	<p><b>Environmental Monitoring by Communities and Citizens: The Public's Role in Research and Management</b>  Moderator: Ina Warren, naturalist  1:30 Susan Sachs, Monitoring the effects of ground level ozone on plants using bio-monitoring gardens  1:50 Jonathan Mays et al., Inventory and monitoring by high school student interns in the Smokies: A case study  2:10 Michelle Prysby, Citizens as scientists: Lessons learned from two Lepidoptera monitoring programs  2:30 Jason Robinson, A volunteer-friendly stream monitoring protocol and stream health assessment methodology</p>	<p><b>Air Quality: Understanding the Issues</b>  Moderator: Niki Nicholas, TVA  1:30 William Parkhurst, How clean is the air? Tennessee Valley air quality trends  2:00 Stephen Mueller, Recent and ongoing air quality research in the Great Smoky Mountains  2:30 Rick Webb, Evidence of recovery from stream water acidification in Shenandoah National Park  3:00 Paul Muller and Pat Brewer, Visibility and fine particulate mass in the southeastern United States</p>
3:00	Break	
3:30	<p><b>Environmental Monitoring by Communities and Citizens (cont'd)</b>  3:30 Andy Brown, Successes of the SAMAB-coordinated citizen environmental monitoring program: Invasive plants and watershed health</p>	Break
4:00	<p>4:00 Jennifer Crawford et al., Opportunities and challenges associated with sustainable forests in the South: The role of regional and community decision making in successful sustainable management of our forests  4:30 Colin Donahue, Discussion: Agenda for a citizen environmental monitoring conference</p>	<p><b>Air Quality Improvements for the Great Smoky Mountains National Park: Hiker Health, Air Quality and Traffic Congestion</b>  4:00 Panel leader: Greg Reed, University of Tennessee  Presenters:  Wayne Davis, University of Tennessee  Kim Tromatore, University of Tennessee  Steven Girardot, Emory University  Terry Miller, University of Tennessee</p>
5:30	Poster Session with light hors d'oeuvres; SAMAB Awards (see next page for listing of posters)	

<b>Wednesday, November 5 (cont'd)</b>				
5:30	<p><b>Poster Session and SAMAB Awards</b></p> <p>Franciel Azpurua-Linares et al., Southern Appalachian information node—Immersive technologies</p> <p>Paul Bartels, Mapping change in Buncombe County</p> <p>Andy Brown and SAMAB environmental monitoring volunteers, Invasive plant and water quality data from citizen monitoring efforts at eleven locations in the Southern Appalachians</p> <p>Lee Buck et al., Eastern hemlock: A source of food, protection, and shelter for insect species</p> <p>Carol Chandler and Dwight Dickson, Bear Creek revitalized</p> <p>Barton Clinton and James Vose, The mitigating effects of forestland on stream water quality in the Southern Appalachians</p> <p>Shelaine Curd-Hetrick, et al., Fern forays: An example of partnerships in biodiversity research</p> <p>Emile Elias and Bill McLarney, Changes in water quality, 2002 to 2003, in the Little Tennessee Watershed</p> <p>Jeffrey Hunter, The American Hiking Society</p> <p>Hugh Irwin, The pattern of fire of the landscape in the Southern Appalachians</p> <p>Charles McMahon, <i>Nonnative invasive plants of the southern forests — A field guide for identification and control</i>, by James H. Miller</p> <p>W. Henry McNab and Tracy Roof, Detecting and mapping small-scale natural disturbances in a forested Southern Appalachian watershed using Landsat imagery</p> <p>Patrick Moore et al., Role of understory vegetation in biomass and nutrient cycling in a Southern Appalachian spruce-fir forest</p> <p>Scott Pearson, Investigating the biogeography and ecology of the Appalachian yellow-bellied sapsucker</p> <p>Aimee Livings Tomcho et al., Effects of prescribed fire and understory removal on bird communities in a Southern Appalachian forest</p> <p>Chloe Tewksbury et al., Carbon dynamics in a southeastern high-elevation spruce-fir ecosystem</p> <p>Chris Ulrey, Restoration of the grassy bald plant community at Craggy Gardens, North Carolina</p>			
<b>Thursday, November 6</b>				
8:30	<p><b>Ecosystem Restoration</b></p> <p>Moderator: Bambi Teague, NPS, Blue Ridge Parkway</p> <p>8:30 Hugh Irwin, The pattern of fire on the landscape in the Southern Appalachians</p> <p>9:00 Aimee Livings Tomcho et al., Effects of prescribed fire and understory removal on bird communities in a Southern Appalachian forest</p> <p>9:30 Paul Kormanik, Artificial regeneration of northern red oak: A procedure for establishing this species in the Appalachian Mountains</p>		<p><b>Appalachian Heritage as an Economic Opportunity</b></p> <p>Moderator: Laura Rotegard, NPS, Blue Ridge Parkway</p> <p>8:30 Paul Gallimore and Albert Fritsch, Appalachian-appropriate technologies</p> <p>9:00 Albert Fritsch, Ecotourism in Appalachia: Risks and benefits</p> <p>9:30 Susan Kask, et al., How will visitation change if scenic quality changes? The value of Blue Ridge Parkway scenic quality to local communities</p>	
10:00	Break			
10:30	<p><b>Ecosystem Restoration (cont'd)</b></p> <p>10:30 Michael Harvey, Summer distribution and status of the endangered Indiana bat, <i>Myotis sodalis</i>, in the Southern Appalachians of Tennessee and North Carolina</p> <p>11:00 Paul Bradley, Restoration and management of high elevation ecosystems: The Roan Massif</p>		<p><b>Appalachian Heritage as an Economic Opportunity: Panel Discussion</b></p> <p>Moderator: Geoffrey Willet, NC Dept. of Commerce, Div. Of Community Assistance</p> <p>Panelists:</p> <p>Karen Cragnolin, RiverLink</p> <p>Mark Owen, Advantage West</p> <p>Betty Hurst, Handmade in America</p> <p>Charles Maynard, International Storytelling Center</p>	
1:00	Field Trip: Prescribed Fire Study at Green River Wildlife Management Area Leader: Tom Waldrop	Field Trip: Invasive Plant Control Activities at Beaver Lake Leader: Andy Brown	Field Trip: Demonstration Wetland for Stormwater Runoff Control at NC Arboretum Leader: Jon Calabria	Field Trip: Balsam Mountain Green Development Leader: Cherrie Pittillo