



Rising to the Challenges of a New Century

18th Annual SAMAB Conference

October 22-24, 2007

Carnegie Hotel, Johnson City, Tennessee

<i>Monday October 22, 2007</i>			
11:00 a.m.	Registration opens (Lower Lobby)		
1:00 p.m.	Welcome and introductions, Gary Peeples Plenary Address, Rex Boner , The Conservation Fund (Director, Southeast Regional Office), <i>Effective Land Conservation in the 21st Century</i> (Grand Soldiers Ballroom)		
2:00 p.m.	<p>A Summit on the Summits (Alfred Taylor room) Moderator: Carolyn Wells, US Fish & Wildlife Service</p> <p>2:00 Peter Weigl and Travis Knowles, <i>Temperate montane grasslands and keystone herbivores: More than just Appalachian grass balds</i></p> <p>2:30 Christopher J. Ulrey et al., <i>Demography and conservation of two high-elevation southern Appalachian endemic plants, Geum radiatum and Liatris helleri</i></p> <p>3:00 Chris Kelly, <i>Recovery efforts for the endangered Carolina northern flying squirrel: using ecological and population data to guide habitat restoration for the squirrel and other priority high elevation species</i></p>	<p>Southern Appalachian Cooperative Ecosystem Studies Unit: Featured Research (Century room) Moderator: Ray Albright, NPS, Southern Appalachian CESU</p> <p>2:00 Ray Albright, <i>What is the Southern Appalachian CESU?</i></p> <p>2:30 Kandace Hollenbach, et al., <i>Assessing archaeological sites and the preservation of microbotonaical remains: Recent CESU/NPS archaeology at the University of Tennessee</i></p> <p>3:00 Steve Lawson and Nathan Reigner, <i>Understanding visitor experience and impact at Haleakala and Yosemite National Parks: Virginia Tech and the Southern Appalachian CESU</i></p>	<p>Invasives Management and Treatment Options that Work (Robert Taylor room) Moderator: Anita Rose, USDA Forest Service</p> <p>2:00 Ken Stolte et al., <i>Developing risk models for exotic plant species in National Forests of the Southern Appalachian Mountains</i></p> <p>2:30 Andy Brown, Gary Kauffman and Lindsay Majer, <i>Multi-Agency interface exchange: Federal, state, and non-profit organizations join forces in invasive plant management</i></p> <p>3:00 Lindsay Majer, Julie Judkins and Bob Gale, <i>Power of partnerships: Collaborative efforts in invasive plant management</i></p>
3:30	Break		

Monday October 22, 2007 (continued)

<p>3:45</p>	<p>A Summit on the Summits (cont'd) (Alfred Taylor room) Moderator: Carolyn Wells, US Fish & Wildlife Service</p> <p>3:45 Nora Schubert, <i>History of grassy balds management on the Roan Mountain Massif</i></p> <p>4:15 James Donaldson, et al., <i>A preliminary "then and now" look at 70+ years of historic landscape photos from Roan Mountain, NC-TN</i></p> <p>4:45 Tim McDowell, et al., <i>Effects of prescribed burns on herbaceous vegetation in southern Appalachian forests</i></p> <p>5:15 Scott Pearson and John Gerwin, <i>Modeling the breeding habitat distribution of the Appalachian Yellow-bellied Sapsucker in North Carolina</i></p>	<p>Southern Appalachian Cooperative Ecosystem Studies Unit: Featured Research (cont'd) (Century room) Moderator: Ray Albright, NPS, Southern Appalachian CESU</p> <p>3:45 Christopher Underwood, et al., <i>Using soil and sediment charcoal as a proxy for the reconstruction of fire regimes in Great Smoky Mountains National Park</i></p> <p>4:15 Kay Franzreb (moderator), <i>Southern Appalachian CESU annual meeting</i></p>	<p>Invasives Management and Treatment Options that Work (cont'd) (Robert Taylor room) Moderator: Anita Rose, USDA Forest Service</p> <p>3:45 Foster Levy, et al., <i>Microscale analysis of the distribution of hemlock wooly adelgid in newly colonized and heavily infested forests</i></p> <p>4:15 Keith Hill, <i>Invasive plant control methods that work: North Carolina Department of transportation shares its management prescriptions</i></p>
<p>6:00 – 8:00 p.m.</p>	<p>Poster Session (hors d'oeuvres and cash bar available) Lower Lobby</p> <p>R. Travis Belote, et al., <i>Implications of silvicultural disturbance in Appalachian forests: Results from the Southern Appalachian Silviculture and Biodiversity (SASAB) project</i></p> <p>Laura Belleville, <i>A.T. MEGA-Transect</i></p> <p>Ted Campbell, et al., <i>Occurrence, movement, and quality of groundwater in the Bent Creek Experimental Forest</i></p> <p>Gabriel Cumming and Carla Norwood, <i>Narratives of change: Characterizing the discourse of a changing southern Appalachian community</i></p> <p>Kat DeWitt, <i>Using SCA Conservation Corps interns for fire effects monitoring on the Cherokee Reservation</i></p> <p>James Donaldson, <i>Some changes in the spruce-fir forest of Roan Mountain, North Carolina over the past 60 years as a result of logging</i></p> <p>James Donaldson and Gabrielle Call, <i>Southern Appalachian mountain "bog" restoration projects in Shady</i></p> <p>James Donaldson and Nora Schubert, <i>Roan biodiversity project, part 1: Vascular plants, a first synthesis</i></p>		

James Donaldson, et al., *A preliminary “then and now” look at 70+ years of historic landscape photos from Roan Mountain, NC-TN*

Katherine Elliot, et al., *Fire in the southern Appalachians: Restoration of pine/hardwood ecosystems*

Richard Foster, *Diagnosis of conditions crucial to Phalaris arundinacea invasion of a wetland*

K.E. Franzreb, et al., *Mercury contaminating high elevation songbirds in Great Smoky Mountains National Park*

Elana Gulas, et al., *Promoting sustainability at ETSU: Changing a university’s carbon culture*

Qinfeng Guo, *Species invasiveness and habitat invisibility: Research updates*

Patricia Hamlett and Donald Malone, *Planning BMPs for stream restoration: Get the most bang for your buck*

Shelaine Curd Hetrick, et al., *How can NBII’s Geospatial Interoperability Framework help you visualize information?*

Hugh Irwin and Sara Dibacco, *Identifying natural barriers for brook trout reintroduction in mountain streams of the Southern Appalachians*

Timothy Kuhman, *Land-use legacies and invasive exotic plants in a southern Appalachian forest*

Jennifer Knoepp, et al., *Eastern hemlock forest in the southern Appalachians: Vegetation and Soil Characteristics*

Travis Knowles and Peter Weigl, *Ghosts of elephants past? Remnant grassland ecosystems and Pleistocene keystone herbivores*

Dalena Medford, *The Detection of Morphological Variation Across Time in Two Roan Mountain Endemics: Geum radiatum and Houstonia montana*

Chris Morris, et al., *Stream flow monitoring in tributaries of the Little River, Tennessee*

Nora Murdock, et al., *Biological inventories by the Appalachian Highlands Network Inventory and Monitoring Program, National Park Service*

John Peine, et al., *The Appalachian Trail MEGA-Transect: telling the story of the environmental health of the Appalachian Mountains to visitors, neighbors and the world*

Anita Rose, *Current status and mortality rate of hemlock in the Southeastern United States*

Nora Schubert and Judy Murray, *History of grassy balds management on the Roan Mountain Massif*

Peter Stone, *Intrinsic vulnerability to contamination of wells and springs in the mountains and adjacent piedmont, South Carolina*

Tuesday, October 23, 2007

7:45 a.m.	Registration and breakfast (Lower Lobby)		
8:30 a.m.	<p>A Summit on the Summits (cont'd) (Alfred Taylor room) Moderator: Terry Seyden, USDA Forest Service</p> <p>Panel: <i>The role of the organizations ultimately responsible for high elevation communities—Their priorities and limitations</i></p>	<p>Our Land, Our Tomorrow Moderator: Jim Stokoe, Land-of-Sky Regional Council (Century room)</p> <p>Panel, <i>Landcare and Green Infrastructure: Changing Landscapes, Lifestyles, and Livelihoods in Appalachia and Beyond</i>, moderator Jim Stokoe. Panelists: Jim Stokoe, Land-of-Sky Regional Council, and Ron Nalley, Town of Montreat, NC addressing “Landcare efforts in Western North Carolina” Glen N. Stevens, Conservation Management Institute, Virginia Tech, addressing “Landcare and green infrastructure in the headwaters region of Virginia: An overview of current initiatives</p>	<p>Workshop: Prevention and Early Detection of Invasives Moderator: Nancy Fraley, NPS, SE-EPPMT (Robert Taylor room)</p> <p>8:30 Nancy Fraley and Rita Beard, <i>Introduction</i> 8:45 <i>State of the region—An overview of invasive plant strategies in the Southeastern United States</i> 9:15 Bonnie Harper-Lore, <i>Invasives on the move and what you can do about them!!! Preventing and monitoring for invasions in a transportation context</i></p>
9:30	<p>Moderator: Terry Seyden Panel: <i>The role of the organizations with a stake in the management of high elevation communities—Their priorities and limitations</i></p>	<p>9:30 George Ivey, <i>Protecting the Best of Bethel</i></p>	
10:00		Break	Break

Tuesday, October 23, 2007, continued

10:30	Break	Our Land, Our Tomorrow (cont'd) (Century room) Moderator: Barry Clinton, USDA Forest Service	Workshop: Prevention and Early Detection of Invasives (cont'd) (Robert Taylor room) 10:30 Charles Bargeron, <i>SE-EPPC early detection & distribution mapping System (EDDMapS)—a mapping tool to identify where known invasive plant threats are relative to your managed area and to report new sitings</i>
11:00 a.m.	A Summit on the Summits (cont'd) (Alfred Taylor room) Facilitated session. Gary Peeples, facilitator. <i>Identifying management priorities that stakeholders collectively agree to work toward</i>		
12:00 p.m.	Luncheon meeting of the Roan Mountain Stewardship Committee (lunch by registration only) (Alfred Taylor room)	Lunch on your own. See registration area for walking-tour information & directions to ETSU museums	Lunch on your own. See registration area for walking-tour information and directions to ETSU museums
12:30 p.m.			
1:30 p.m.	A Summit on the Summits (cont'd) Facilitated session on shared priorities (continued)	Our Land, Our Tomorrow (cont'd) Moderator: Roy Settle 1:30 Judy Francis, Kim Douglas, <i>The Strategic Conservation Plan for North Carolina: Utilizing the green infrastructure approach</i> 2:15 Dave Ramsey and Rex Boner, <i>A conservation partnership to protect Rocky Fork</i>	Workshop: Prevention and Early Detection of Invasives (cont'd) 2:00 Dave Moorhead, <i>Invasive plant responses to silvicultural practices in the South – What to do if you're disturbing the soil</i>
2:00 p.m.			
3:00 p.m.	Break		

Tuesday, October 23, 2007, continued			
3:30 p.m.	A Summit on the Summits (cont'd) (Alfred Taylor room) 4:00 Facilitated session. John Peine, facilitator. <i>Collaborative data objectives for resource management and/or science, collection and documentation standardization, archiving and sharing via restricted NBII website</i>	Our Land, Our Tomorrow (cont'd) (Century room) 3:30 Lisa Huff, et al., <i>Farming for bio-diversity? A case study of conservation management at Hampton Creek Cove State Natural Area</i> 4:00 Jerry S. Olson, et al., <i>Sustainable biomass supply, demand, and landscape resources—To be used well, degraded, or invaded?</i> 4:30 Elana Gulas, et al., <i>Promoting sustainability at ETSU: Changing a university's carbon culture</i>	Break
4:00 p.m.			Workshop: Prevention and Early Detection of Invasives (cont'd) (Robert Taylor room) 4:00 <i>Using contracting to minimize invasives introductions</i>
6:30 p.m.	Evening Social at Appalachian Farmhouse and Gallery With entertainment by Ted Olson, presenting folks songs that reflect our attitudes toward the environment in Appalachia, and Jerry Vencill, storyteller		
Wednesday, October 24, 2007			
7:45 a.m.	Registration and light continental breakfast (Lower Lobby)		
8:30 a.m.	A Summit on the Summits (cont'd) Roan Mountain field trip (depart from hotel's lower lobby)	Improving Passage and Habitat Conditions for Fish (Alfred Taylor room) 8:30 Anita Laraine Goetz and Andrea Jo Leslie, <i>Assessment of barriers to aquatic organism passage in the Little Tennessee River Watershed</i> 9:00 Bart Carter, et al., <i>Utilizing an engineered waterfall to correct stream flow and protect a restored southern Appalachian brook trout population</i> 9:30 Hugh Irwin and Sara Dibacco, <i>Identifying natural barriers for brook trout reintroduction in mountain streams of the southern Appalachians</i>	Workshop: Prevention and Early Detection of Invasives (cont'd) (Robert Taylor room) 8:30 Alix Cleveland, <i>Overview of the USDA Forest Service's (SE region) program status, progress, and emphasis</i> 9:00 Richard Schwab, <i>An overview of the interagency Burned Area Emergency Rehabilitation (BAER) program and opportunities for prevention and early detection</i> 9:45 Rita Beard, <i>NPS prevention measures and how they can work for your protected areas</i>

Wednesday, October 24, 2007, continued

10:00 a.m.		Break	
10:30 a.m.		Stream Flow Needs for Ecological Health (Alfred Taylor room)	Break
11:00 a.m.		10:30 R.W. Gentry, <i>Using watershed signals as a means of evaluating sustainability and climate variability for natural resources</i> 11:00 Carol Harden, et al., <i>Longitudinal flow comparisons for six tributaries of the Little River</i> 11:30 W. Brian Hughes, et al., <i>Water availability for ecological needs in the upper Flint River Basin, Georgia—A USGS science thrust project</i>	Workshop: Prevention and Early Detection of Invasives (cont'd) (Robert Taylor room) 11:00 Dave Moorhead, facilitator, <i>Applying these tools at home: A hands-on exercise to identify situation-specific strategies for prevention and early detection</i>
12:00 p.m.	Sack lunch on Roan Mountain (by registration)	Lunch on your own.	
12:30 p.m.			Lunch on your own
1:15	Field activities cont'd	Stream Restoration Moderator: Jenny Adkins 1:15 Mike Adams, <i>Restoration of Wallens Bend Creek and bank stabilization along the Clinch River to reduce sediment near threatened mussel shoals</i> 1:45 Greg Babbit, <i>An overview of stream restoration design and construction approaches in the southern Appalachians of Tennessee</i> 2:15 Andrew Bick, <i>Third Creek restoration project, Knoxville, Tennessee</i> 2:45 Adam Griffith, <i>The Rivercane (Arundinaria gigantea) Restoration Project: Protecting a resource through scientific investigation and community education</i>	Please join your colleagues in the stream restoration session.