



Late Changes, Additional Abstracts & Errata

Changes in the Concurrent Sessions

Sunday, March 13

PRECONFERENCE MEETING: Sunday, March 13, 5:00–7:00 pm (Regency Ballroom A), “Future Opportunities for Careers in Natural and Cultural Resources: An Informal Careers Workshop.” Aimed at students, but open to all who might be interested in a career in these fields. Presenters will be: Gary Machlis (Canon Scholarship Program), Charles Nilon (National Science Foundation), Larissa Reed (NPS Intermountain Region Natural Resources Group), and a representative from the National Park Foundation. Immediately following this workshop, there will be an opportunity to meet all the George Melendez Wright Travel Scholarship Awardees and their mentors. The National Park Foundation is also a sponsoring institution for the scholarship fund.

Monday, March 14

Session 1, “Public Involvement in Critical Natural Resource Issues,” will be chaired by Mike Reynolds. Also, the paper by Stefanie Egan is cancelled. The paper by Michael Eng et al. will now be given in the 11:15–11:40 slot. A new paper (abstract below) by Joan Darnell will be given in the 11:40–12:05 slot.

Session 2: The paper by Rochefort and Louter has been replaced by “The Jamaica Bay Institute — Working to Promote Informed Decision Making in an Urban Ecosystem,” by Kim Tripp.

Session 7: A new paper (abstract below) by Christina Marts and Ben Machin will fill the fifth and final slot in this session.

Session 14, “Putting Numbers in Their Proper Place”: Warren Brown will be replacing Charlie Jacobi as a presenter.

Session 18, “Low-Carb Planning,” will now be given on Tuesday, March 15, as Session 65 (1:30–3:35 pm).

Session 19, “Bringing Civic Engagement into the Parks”: John Hennessy (Fredericksburg Spotsylvania National Military Park) and Elnora Allen (History, Healing and Hope, Richmond, Virginia) will be additional speakers in this session.

Sessions 26 and 39, “PRIDE Project Advisory Group Meeting”: this two-part side meeting is now open to all attendees — everyone is welcome.

Session 28, “Plant Science: Technology and Techniques,” will be chaired by Kathryn Thomas.

Tuesday, March 15

LUNCHEON: “From Generation to Generation: A Celebration of Diversity,” a luncheon honoring Dr. John Hope Franklin and the George Melendez Wright Student Travel Scholars, will take place from 12:00–1:30 in the 10th Floor Grill of the Hilton Garden Inn, corner of 11th and Arch Streets (2 blocks from the Loews). Ticket required for admission.

Session 40, “Contested Places: Humans, Nature, and Public Landscapes” (Shaun Eyring, chair) has a revised line-up of panelists: Ethan Carr (reflects on the power of historical views of nature and culture in shaping our current approaches to landscape management), Edward T. Linenthal (considers entrenched ideologies and thoughts on the enduring truth of first interpretation), Guillermo Rodriguez-Navarro (reveals the complexity of interactions between culture and nature in Sierra Nevada de Santa Marta, Columbia, SA), and Nora Mitchell (explores case studies that highlight cultural traditions and innovations that advance resource conservation and sustainability in US national parks and beyond).

Session 42: The paper by Susan O’Ney has been retitled as “Snake River Restoration Efforts in Grand Teton National Park.” The time of the paper remains the same.

Session 43, “Managing Deer and Other Problem Species,” will be chaired by Linda Drees.

Session 46, “Wetlands and Fisheries Restoration,” will be chaired by Dick Hammerschlag. Also, the open slot in that session will be filled by a paper by Paul Bitzel and Anna von Lunz: “Partnership and Education Initiative to Preserve Fort McHenry Tidal Wetlands”; see below for an abstract. Finally, the order of the papers in the session has been changed to the following: Hammerschlag and Krafft (10:00–10:25); Brittingham and Hammerschlag (10:25–10:50); Panek (10:50–11:15), Atkinson (11:15–11:40); Bitzel and von Lunz (11:40–12:05).

Session 47, “A Dialogue on International Wilderness Conservation: Linking the GWS and the 8th WWC”: the session will be chaired by Dave Parsons, and the panelists will be Dave Parsons, Dave Harmon, Cyril Kormos, Alan Watson, and Karen Taylor-Goodrich.

NEW Session 50: “Planning an International Bison Exhibit,” chaired by Mietek Kolipinski. See below for abstract.

Session 54: The sole author of the paper “Denali Air Taxis: Unique Relationships with the Park and Visitors” is Mike Tranel, while the correct authors for the paper “Community Relationships with the Situk River, Alaska” are Alan Watson and Neal Christensen. Also, the order of these two papers should be reversed, with Tranel’s coming first.

Session 58, “A Campfire Gathering with Recent NPS Leaders”: former NPS director Bob Stanton will be an additional panelist in this session, as will Mike Finley, former superintendent at Yellowstone and current head of the Turner Foundation.

Session 62: The paper by Carol Beidleman will be presented by Jonathan Putnam.

Sessions 65 and 78: The two-part side meeting originally scheduled for these sessions, “Park Planning Leadership Group,” is cancelled.

NEW Session 65: The original Session 18, "Low-Carb Park Planning," will now be given as Session 65 (1:30–3:35 pm).
 Session 74: This day-capper session, "Selecting Plant Materials: A Parable of Endemism in Philadelphia Area Sandwiches," is directly related to a workshop that was given earlier this month in Colorado, which was titled "Plant Genetics for Restoration." The organizer of the day-capper, Greg Eckert, would like GWS2005 attendees to know that a synopsis of the Colorado workshop will be given as part of Session 74.
 NEW Session 78: "Archeology Affinity Meeting," chaired by Frank McManamon, chief archeologist of NPS. Open at all.
 NEW EXTRAMURAL MEETING: "Ethnic Minorities in the Making of the National Parks: A Major Research Project," an opportunity to communicate ideas on this topic to the production team for Ken Burns' forthcoming series on the national parks. See abstract below. 3:00–7:00 pm, location TBD — check with Hotel Front Desk for room location.

Wednesday, March 16

NEW EXTRAMURAL MEETINGS: The following are all by invitation only; all will be held in the Tubman Room. "Ecological Restoration of Jamaica Bay, Gateway NRA" (chair, Mary Foley; 10:00–12:00 noon); "Marine Protected Areas — Northeast Region Task Group" (chair, Charles Roman; 1:00–3:00); "Boston Harbor Islands ATBI" (chair, Mary Foley; 3:00–5:00).
 NEW EXTRAMURAL MEETING: "Monitoring Social Variables to Manage National Parks" (Jim Gramann and Linda Dahl, chairs). By invitation only. Anthony Room, 8:00–12:00 noon.
 NEW EXTRAMURAL MEETING: Midwest Region NPS Employees' Get-together, 6:00–7:30, Jefferson Board Room (3rd Floor).

Thursday, March 17

BOOK SIGNING: The time for the book signing with Diane Smith is given incorrectly on p. 7 of the Program/Abstracts book. The book signing will follow immediately after the conclusion of the plenary session at 9:30.
 Session 83, "The Antiquities Act on the Eve of its Centennial": Loran Fraser will be an additional panelist.
 Session 91, "Partners in Stewardship: Civic Engagement Strategies for Successful Resource Stewardship" (Eileen Woodford, chair), has a revised panelist line-up: Sandra Schultz (Upper Delaware Community Visioning Process), Barbara Pollarine (Developing New Park Policies for Natural Resource Management in at Valley Forge NHP), Monamma Al-Ghuiyy (Minds in Motion: Building on a Dream at Maggie L. Walker NHS), Carrie Phillips (Sensing Cape Cod: Partnering for Research and Education), and Christina Marts (Resource Stewardship Through Place-Based Education at Marsh-Billings-Rockefeller NHP).
 Session 95, "Integrating Social Indicators in Response to Natural Resource Management Issues": the order of the session will be as follows: 1:30–1:40, introduction (Greg Danchuk); 1:40–1:55, "Ecological Monitoring in the National Park Service" (Mike Soukup); 1:55–2:10, "Ecological Monitoring in Parks Canada" (Mike Wong); 2:10–2:40, "Parks Canada Social Science Contributions to Monitoring" (Dave McVetty); 2:40–3:10, "NPS Social Science Contributions to Monitoring" (Jim Gramann); 3:10–3:35 Q&A. After the introduction, Soukup and Wong will provide an overview of existing situations of ecological monitoring in each agency and indicate where there are gaps and opportunities for social science contribution. McVetty and Gramann will each review several social science examples that are currently in place and how they could be integrated into the monitoring exercises and how the expertise can be shared between agencies. They may be joined by at least one other presenter from their respective organizations for further detail or specific project information.
 Session 96: The paper by Guntenspergen and Cahoon is cancelled. "Assessing Potential Effects of Future Sea-Level Rise and Coastal Change on NPS Resources" (Elizabeth Pendleton et al.) will be moved up to the 2:45–3:10 slot.
 LOCATION CHANGE: Session 104, "National Heritage Areas II: Fostering a Research Agenda," an invitation-only side meeting, will be held on University of Pennsylvania campus in Meyerson Hall, Room B-4, at the corner of 34th and Walnut Streets, from 1:30–4:00 pm. Invitees will need to arrange their own transportation.
 Session 112, "Engaging People in the Parks through Art," will be chaired by Marty Blatt. Also, the presentation "A Civic Engagement: Woodstock's Speak Chorus and the Civil War Homefront Story of a Vermont Community" (Susanne McDonald) is cancelled.
 Session 114: The paper "Beach Dynamics and Coastal Habitat: Examples from the Kona Coast, Hawaii" (Bruce Richmond) was inadvertently scheduled for both this session and Session 133 on Friday. The paper will be given in Session 133 (with Cheryl Hapke substituting for Richmond). The final two papers in Session 114 will each move up one slot, so that "Eolian Dust: Physical and Ecological Linkages" (R.L. Reynolds et al.) will be given 4:50–5:15, and "The New Concept of Geodiversity and its Influence on Biodiversity" (Murray L. Gray) will be given 5:15–5:40, with 25 minutes for Q&A at the end of the session.
 Session 122, the second half of the workshop "Feral and Exotic Animals in National Parks," is cancelled. However, the first part of the workshop (Session 107) will take place as scheduled.

Friday, March 18

Session 127: James Comiskey will present the paper "What's on the Menu to Protect?" (10:00–10:25).
 Session 128: An abstract by Taylor and Grandjean was mistakenly included on p. 150 with the abstracts for this session; it should be disregarded.
 Session 133: The paper "Shifting Sands and Shoreline Change at a Pacific Island National Park" will be presented by Kathy Yuknavage. See also the note above for Session 114.

Poster / Computer Demo Session

- The computer demo "Acoustic Studies in National Parks: Standards and Protocols" will be presented by Ric Hupalo.
- NEW POSTER PRESENTATIONS: there are five new posters — see below for abstracts.

Additional Oral Presentation Abstracts

Session 1 (Monday morning):

Planning by Mandate: Impacts on Public Involvement

Joan B. Darnell, Environmental Resources Team Manager, Alaska Regional Office, National Park Service, Anchorage, Alaska

Park planning and the public involvement process can be constrained or facilitated by legislation that specifies when, where or how a proposal should be considered. This paper examines several case studies from Alaska National Parks where congressional mandates influenced the planning and public involvement process under the National Environmental Policy Act. In response to special legislation, managers redirect park and regional resources and funding to meet mandated deadlines or planning priorities. Sideboards set by legislation challenge managers to develop innovative processes and expand the methods or tools used to reach the public. In some cases, despite complex legislative and related legal and regulatory issues, the public was successfully engaged in the decision process, and the project outcome generally resulted in a decision that protected park resources and values while implementing the mandates. In other cases, the parks' ability to implement approved plans was affected by follow-on legislation that held back or adjusted the decision, effectively by-passing any meaningful public involvement.

Session 7 (Monday morning):

Historic Forest Management — Working with Processes, Patterns, and People

Christina Marts, Resource Manager, Marsh-Billings-Rockefeller National Historical Park, Woodstock, Vermont

Ben Machin, Consulting Forester, Redstart Forestry, Inc., Corinth, Vermont

The Mount Tom Forest at the Marsh-Billings-Rockefeller National Historical Park is one of the earliest examples of planned and managed reforestation in the country. It is a living exhibit that illustrates the evolution of forest stewardship in America, from the earliest scientific silvicultural practices borrowed from nineteenth-century Europe to contemporary practices of sustainable forest management. The interplay between human intention and natural processes ultimately shaped the character of the Mount Tom Forest, creating a diverse landscape with complex patterns of forest, fields, and designed features. The challenge is to develop management approaches that will retain the character of the historic forest, while working with the evolving nature of ecological change and best contemporary thinking and practices of forestry management. This discussion will explore different perspectives in the ways in which history, ecology, and forest stewardship can be integrated to craft a management plan for the Mount Tom Forest.

Session 46 (Tuesday morning):

Partnership and Education Initiative to Preserve Fort McHenry Tidal Wetlands

Paul Bitzel, Horticulturalist, Fort McHenry National Monument & Historic Shrine, Baltimore, Maryland

Anna von Lunz, Resource Manager, Fort McHenry National Monument & Historic Shrine, Baltimore, Maryland

Fort McHenry National Monument & Historic Shrine abuts a tidal wetlands created in part from dredging generated by construction of the Interstate 95 Fort McHenry Tunnel. The Park has worked over the past decade to manage waste that accumulates in the wetlands which is owned by the State of Maryland, but in the viewshed of the historic 1812 Star Fort. An agreement was reached with the State, The National Aquarium in Baltimore and Morgan State University to utilize the wetlands for environmental education. Working with the local community, corporations and State government, park staff and volunteers have removed tons of debris from the wetlands. Improvements to the wetlands design, removal of phragmites and plantings of grasses and other species have enhanced plant diversity and improved habitat and forage for animal species. New facilities constructed by the park now provide safe access to the area for educational programs and efficient maintenance.

NEW Session 50 (Tuesday morning):

Planning an International Bison Exhibit (workshop open to all)

Chair: Mietek Kolipinski, Team Leader, Natural Resources Management and Research, National Park Service, Pacific West Regional Office, Oakland, California

Session abstract: Managers from U.S. and Poland are planning a traveling exhibition tentatively titled: "Bison across Continents and through Time, An International Exhibit: Poland and USA." Dr. Mietek Kolipinski, National Park Service (NPS), Pacific West Regional Office, is leading the planning effort, and partners include NPS Office of International Affairs and several Park Superintendents in both countries, representatives from Polish Academy of Sciences, School of Veterinary Medicine in Warsaw, Dominican University of California, and USGS, Biological Resources Division. Two exhibits will be prepared for touring, one for U.S. with English text and a second Polish version for use in Poland. The exhibits will travel to major museums and National Parks. Exhibit panels will be organized according to sub-themes. Mocked up panels will be shown at the meeting. We will review a draft business plan, which includes a marketing strategy for exhibit support. The final business plan will then be shared with Polish counterparts, so that they can raise funds for the exhibit in Poland.

NEW Extramural Meeting (Tuesday afternoon-evening, 3:00-7:00)

Ethnic Minorities in the Making of the National Parks: A Major Research Project

Susan Shumaker (location TBD — for more information call Shumaker at susan@stonecircleinc.com or 304-685-1767)

In 2009, PBS will broadcast Ken Burns' *America's Best Idea: Our National Parks*, a five-part, ten-hour television series telling the human history of the National Parks and the unforgettable Americans who made them possible. The series will unfold chronologically, beginning in the mid-1800s, with the origins of the park idea, through roughly the 1980s. One goal of *America's Best Idea* is to find and tell the untold stories of ethnic minorities who played key roles in the development of the national parks. / The project — including an ambitious educational outreach component — aims to help every American feel welcome in the parks. Come meet Susan Shumaker, the Research Specialist for this exciting project that is sponsored by the National Park Foundation & WETA with the generous support of the Evelyn and Walter Haas, Jr. Fund. Is there a story you think should be included in the film, or in the accompanying educational materials? Please come share your ideas and learn what role you can play in uncovering these untold stories for this and future generations!

Session 127 (Friday morning):

Developing and Maintaining an Effective Invasive Plant Management Program.

Curtis E. Deuser, National Park Service Exotic Plant Management Team Liaison, Lake Mead National Recreation Area, Boulder City, Nevada

Wildland weed management has slowly become a primary issue for land managers due to heightened awareness in recent years. Although weed science and management has developed in the agricultural industry during the past century, some of this knowledge and

practices are difficult to apply to uncultivated natural ecosystems. Most land management agencies were slow to respond to invading weeds primarily due to ignorance/lack of awareness. Unfortunately this lag in management response occurred while many invasive exotics were expanding rapidly into our wildlands. The results of this legacy are natural landscapes full of weeds. Contemporary managers must develop and institutionalize active weed management programs to sustain ecosystem stewardship. Development of implementation based weed management programs is a difficult task within any land management entity. Building partnerships will enable long term success of weed management programs. Perseverance will be a necessary trait for current and future generations of land managers in order to succeed in the war on weeds.

Additional Poster Abstracts

The National Natural Landmarks Program: Recognizing and Protecting America's Natural Heritage

Margaret Brooks, National Natural Landmarks Program Manager, National Park Service, Tucson, Arizona

The mission of the National Natural Landmarks (NNL) Program is to identify, recognize, and encourage the protection of the best examples of America's natural heritage. Through the NNL Program, the National Park Service (NPS) provides technical assistance to Landmark owners, monitors the condition of the Landmarks, and prepares an annual report on damaged and threatened Landmark resources. The centerpiece of the Program is the long-term voluntary commitment of public and private landowners to protect these nationally significant resources. Landmark status is given to sites that represent the best example of a feature that typifies a physiographic province. To date, 587 sites have been designated.

GIS-Based Non-Native Invasive Species Risk Assessment and Management Tools

Ben Machin and Daniel Ruddell, Redstart Forestry, Corinth, Vermont

Dale Bergdahl, Forestry Department, University of Vermont, Burlington, Vermont

Hemlock woolly adelgid (HWA) is a non-native insect that has heavily impacted hemlock ecosystems throughout the eastern U.S., including several National Parks. As of 2004, this pest had advanced as far north as the Massachusetts/Vermont border and eradication efforts have been required to address importations of infested stock in Vermont. Vermont has an extensive and valuable hemlock resource, and Marsh-Billings-Rockefeller National Historical Park (MABI) is home to some prime examples including a number of highly valued remnant old-growth specimens. In late 2004, a risk assessment for HWA was undertaken at MABI. The work presented here incorporates methodology from this cooperative effort and offers an example of how systems that integrate spatial data can assist land managers in evaluating the threats of NNIS and developing response strategies. These types of systems can be applied to other protected areas and other NNIS (e.g. Asian long-horned beetle, emerald ash borer, sudden oak death).

FEAT — Fire Ecology Assessment Tool

Kara Paintner, Fire Ecologist, NPS Fire Management Program Center and Natural Resource Program Center, Fort Collins, Colorado

Nate Benson, National Fire Ecologist, National Interagency Fire Center, National Park Service, Boise, Idaho

FEAT — Fire Ecology Assessment Tool is a shift from the current DOS based Fire Monitoring Handbook (FMH) Software to a standard Access Database. The new program is modular and includes the use of PDAs for field data recording. Legacy data from the FMH.exe is currently being converted into the new program so that it will be readily available to the fire ecology community, other resource managers and researchers. The new modular system will include a database, template builder, protocol builder, a statistical module, and spatial tools in ArcGIS. The system requires Windows XP and Access 2003, FEAT 2.0 uses MSDE. The first version of FEAT has been in use for about a year with a final version due to come out in April 2005. More information and downloads of current versions can be found at the FEAT forum, <http://forum.spatialdynamics.com/default.asp>.

Native Plants for Acadia National Park

Martin van der Grinten, Plant Materials Center Manager, USDA Natural Resources Conservation Service, Corning, New York

Linda L. Gregory (Botanist) and Geneva Chase (Botanist), Acadia National Park, Bar Harbor, Maine

Ensuring the integrity of plant ecosystems within the national parks is a concern of the USDI, National Park Service (NPS). The USDA, Natural Resources Conservation Service's (NRCS) plant materials program and the NPS have a national cooperative agreement to develop native plants for use in planting disturbed areas within our National Parks. The NRCS Big Flats Plant Materials Center is cooperating with Acadia National Park in Maine to produce native plant materials for revegetating of sites after construction projects are completed in the park. Once species are identified by NPS, NRCS collects, propagates, and produces plant materials for planting back into the park. This work at Acadia involves over 25 species of native grasses, forbs, shrubs, and trees. Using native plant materials to restore plant communities has allowed the park managers to meet the challenge of controlling soil erosion and revegetating areas within the existing native landscape while maintaining the genetic integrity of the plant ecosystem.

History of NPS Fire Management (exhibit)

Doug Wallner et al., National Park Service

No abstract available.

Late Cancellations: Poster Session

- "Science Behind the Scenery": Using Digital Movies to Convey Research, Inventories, and Monitoring, *Christie Anastasia*
- "Equal Access to Boating: An Accessible Boat Loading Platform" and "Equal Access to Drinking Water: An Accessible Hand Pump," *Robert (Bob) Beckley*
- "Nature Guides: A Partnership of eNature.com and the National Park Service," *Jen Coffey*
- "PEPC — Planning, Environment and Public Comment System" (computer demo), *Julie Fleming and Jacob Hoogland*
- "The Isle Royale Institute: A NPS and University Partnership in Promoting Education and Research" (computer demo), *Mark Gleason*