



Program & Schedule of Activities

SEPTEMBER 15-18, 2009



36th

VANCOUVER,
WASHINGTON, USA

**Natural Areas
Conference**

LIVING ON THE EDGE: WHY NATURAL AREAS MATTER

CONFERENCE COMMITTEE

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Curt Pavola, Washington DNR

Conference Coordinator

Deb Kraus, Natural Areas Association

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Anna Jones, Washington DNR
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David Wilderman, Washington DNR
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Elizabeth Rodrick, WDFW

Welcome to Vancouver, Washington, USA

The Washington Department of Natural Resources is pleased to co-host the 36th annual Natural Areas Conference. We are proud to partner with the Natural Areas Association to provide this time of peer-to-peer education, insightful and thought-provoking plenary speakers, and social activities to foster enduring professional relationships. We hope every conferee will learn something new, meet someone new and leave the conference with a renewed enthusiasm for your life's work.

Right up front, we want to say: Your work matters! You are on the leading edge of land and resource management that literally means life or death to creatures large and small, to habitats local and worldwide. Your work, our work, is vital to the future of every living thing on the planet.

The staff of Washington DNR's Natural Areas Program and Natural Heritage Program are here to serve you this week. Let us know if you need anything to make your stay in Vancouver USA the best it can be. And please take a moment to thank the conference co-sponsors (see inside back cover). Without their generous support, this event would not have been possible.

Enjoy the Natural Areas Conference and your time in the Pacific Northwest!

PENE SPEAKS
PROGRAM
CHAIR

CURT PAVOLA
CONFERENCE
ORGANIZER

Information

Questions?



Stop in at the registration table, or look for helpers wearing Volunteer ribbons. Urgent messages for conferees will be posted at the registration table.

Name Badges

Please wear your name badge to all conference sponsored events. It is your ticket to access symposia, sessions, breaks, socials and the banquet. At the conclusion of the conference, please recycle your plastic name badge holder in the box at the registration table.

Speaker Preparation Room

Computers will be available for speakers in the Alder Room, behind the registration desk, during conference hours.

Meals and Dining Out



Your full conference registration fee includes mini-breakfast items on Wednesday, Thursday and Friday mornings, reception appetizers on Tuesday and Wednesday evenings, the Keynote Luncheon and the evening Banquet on Wednesday, the field trip box lunch on Thursday (pick up in the morning), and, if you confirm ahead of time, the Annual Membership Meeting lunch on Friday. All other meals are on your own. Downtown Vancouver has a variety of restaurants within walking distance of the conference headquarters hotel. Refer to the restaurant list and map in your conference folder. If you've requested vegetarian meals, look for a ticket for each meal in your name tag holder that will help the hotel staff serve you more quickly.

Auction



An eclectic array of silent and live auction items will be displayed in Heritage Rooms E & F for your bidding pleasure beginning on Tuesday morning. Bidding will close on silent auction items during Wednesday evening's banquet, just prior to the live auction. Winning

bidders must pay for their items on Wednesday night. Arrangements can be made for shipping through NAA. All auction proceeds support the conference and the work of the Natural Areas Association. If you've brought items to donate to the auction, please drop them off at the registration table when you arrive, and no later than 2:00 p.m. Wednesday.

Field Trips



Look for a ticket in your name tag holder showing your pre-registered field trip. **If you have questions regarding your scheduled trip, visit the registration table from 8:00 a.m. on Tuesday through 2:00 p.m. Wednesday.** Changing field trips is discouraged, but any field trip changes must be made by 2:00 p.m. on Wednesday.

Student Awards



We want to thank those students who entered the student awards contest, and also the contest sponsor, Vickie Larson, president of Ecospatial Analysts, Inc. (www.ecospatialanalysts.com). Contest winners will be recognized in Natural Area News and posted on the NAA website.

Conference T-Shirts



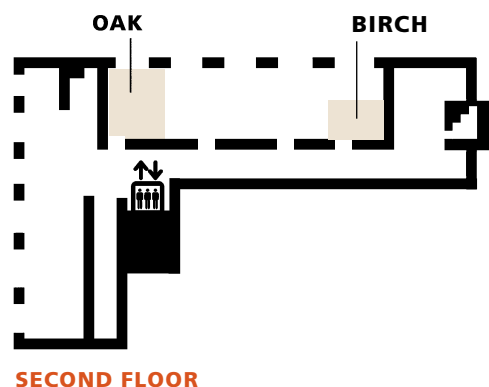
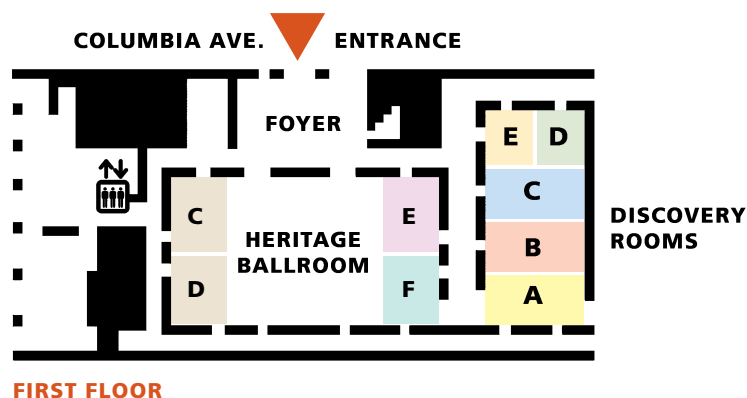
Be sure to stop at the Natural Areas Association booth to pick up your official 36th Annual Natural Areas Conference T-shirt. **These 100% organic cotton shirts are printed with water-based ink and fair trade practices, are long-lasting and will remind you of your trip in 2009 to the Pacific Northwest.** The conference T-shirts are 100 percent sustainably produced and a high quality product that will outlive normal screen-printed products. You'll get a terrific T-shirt that also reflects our social and environmental values. They make great souvenirs so get yours now and take a few home for family and friends!

We are here to serve you this week. Let us know if you need anything to make your stay the best it can be.

2009 Conference Schedule At-a-Glance

ALL MEETINGS ARE HELD IN THE VANCOUVER CONFERENCE CENTER AND HILTON HOTEL

Monday, September 14	Session/Event	Room
4:00 p.m.	Registration Opens	Foyer
5:30 p.m. to 7:00 p.m.	Monday Mixer (Informal Gathering with Refreshments)	Foyer
6:00 p.m. to 11:00 p.m.	"Living On The Edge Cinema" (Short Film Features)	Discovery D
Tuesday, September 15	Session/Event	Room
8:00 a.m.	Registration and Exhibits Open	Foyer
9:00 a.m. to noon	State Natural Areas Programs Roundtable	Discovery A
9:00 a.m. to noon	Federal Natural Areas Roundtable	Discovery B
9:00 a.m. to noon	ArcPad/GPSCorrect/GPS Analyst Workshop	Discovery C
1:30 p.m. to 5:00 p.m.	Opening Plenary Session: Peter Goldmark, Pat Pringle, Sam Green and Robert Michael Pyle	Heritage Ballroom
5:30 p.m. to 6:30 p.m.	Opening Reception	Exhibit Area/Foyer
8:00 p.m. to 11:00 p.m.	"Living On The Edge Cinema" (Short Film Features)	Discovery D
Wednesday, September 16	Session/Event	Room
7:30 a.m.	Registration and Exhibits Open; Coffee & Bakery Fare	Foyer
8:30 a.m. to 10:00 a.m.	Early Morning Concurrent Sessions	
10:00 a.m. to 10:30 a.m.	Mid Morning Break, Coffee	Exhibit Area
10:30 a.m. to noon	Late Morning Concurrent Sessions	
Noon to 1:45 p.m.	Luncheon and Keynote Speaker George Divoky	Heritage Ballroom
2:00 p.m. to 3:00 p.m.	Early Afternoon Concurrent Sessions	
3:00 p.m. to 3:30 p.m.	Mid Afternoon Break, Coffee	Exhibit Area
3:30 p.m. to 5:00 p.m.	Late Afternoon Concurrent Sessions	
5:30 p.m. to 6:30 p.m.	Banquet Reception and Silent Auction	Heritage Ballroom
6:30 p.m. to 10:00 p.m.	Annual Banquet, Awards Presentations, Photographer Keith Lazelle and Live Auction	



Thursday, September 17	Session/Event	Room
7:00 a.m.	Registration and Exhibits Open, Coffee, Bakery Fare	Foyer
8:00 a.m. to 9:30 a.m.	Field Trip Buses and Vans Depart, Pick Up Box Lunches in Heritage Ballroom	Conference Center Entrance
6:00 p.m. to 8:00 p.m.	Poster Session and Social	Heritage C, D
6:30 p.m. to 8:00 p.m.	NAEPPC Forum	Birch Room (2nd Floor)
Evening	Dinner On The Town (On Your Own)	
9:00 p.m. to 11:00 p.m.	"Living On The Edge Cinema" (Short Film Features)	Discovery D
9:00 p.m. to midnight	Natural Areas Jam Session Bring Your Musical Instrument and a Song To Share! Refreshments Available.	Discovery A
Friday, September 18	Session/Event	Room
7:00 a.m.	Registration and Exhibits Open, Coffee, Bakery Fare	Foyer
7:15 a.m. to 8:20 a.m.	Interpretive Walk to Vancouver Land Bridge Along the Columbia River	Meet In Exhibit Area
8:30 a.m. to 10:00 a.m.	Plenary Session: Native Plant Materials Development Program, with Peggy Olwell	Heritage Ballroom
10:00 a.m. to 10:30 a.m.	Mid Morning Break, Coffee	Exhibit Area
10:30 a.m. to noon	Morning Concurrent Sessions	
Noon to 1:30 p.m.	NAA Annual Membership Meeting & Lunch (Lunch Available for Those who Pre-Confirmed)	Heritage Ballroom
2:00 p.m. to 3:00 p.m.	Early Afternoon Concurrent Sessions	
3:00 p.m. to 3:30 p.m.	Mid Afternoon Break, Coffee	Exhibit Area
3:30 p.m. to 5:00 p.m.	NAEPPC Board/Business Meeting	Oak Room (2nd. Floor)
3:30 p.m. to 5:00 p.m.	Late Afternoon Concurrent Sessions	
5:00 p.m.	Official Conference Adjourns	
6:00 p.m.	Post-Conference Portland Evening on the Town (Individuals Make Their Own Arrangements. See Descriptions for the Microbrewery Tour and the Portland Spirit Dinner Cruise In Your Conference Packet)	

Opening Plenary Session

Heritage Ballroom

1:30 p.m.

Kim Herman, President, Natural Areas Association, and Pene Speaks, Program Chair, Natural Areas Conference and Washington State Department of Natural Resources

1:50 p.m.

Peter Goldmark, Washington State Commissioner of Public Lands

2:10 p.m.

Pat Pringle, Professor of Earth Science, Centralia College, "The Natural History of Washington State"

3:10 p.m.

Break

3:40 p.m.

Sam Green, Washington State Poet Laureate

4:00 p.m.

Robert Michael Pyle, Nature writer, "Natural Areas as Antidote to the Extinction of Experience"

5:10 p.m.

Wrap-up and Adjourn

Opening Reception

Exhibit Area

5:30 p.m. to 6:30 p.m.

Munch and mingle with friends old and new.

Discovery D

8:00 p.m. to 11:00 p.m.

Living on the Edge Cinema
See the flier in your conference packet for the week's schedule of short film screenings.

Tuesday

Roundtable

State Natural Area Programs

9:00 a.m. to Noon | **Discovery A**



The State Natural Area Programs Roundtable brings together state natural area administrators who work in an array of urban and rural settings to conserve and restore biodiversity. Recognizing that each state's program is unique, roundtable participants see the benefit of an interactive forum for sharing successes, learning to survive challenging situations and bringing new suggestions to colleagues back home. Every state program represented at the Natural Areas Conference is invited to participate in the verbal "Roll Call of the States" during this roundtable session. This year we'll also discuss program development activities and public outreach. Bring your examples of "strategic planning" documents or general promotional items your program has created (including web pages). **Facilitators:** *Curt Pavola is the Natural Areas Program Manager with the Washington Department of Natural Resources; and Pete Colverson is an environmental communications specialist with Pandion Systems, Gainesville, Florida.*

Roundtable

Federal Natural Areas Programs

9:00 a.m. to Noon | **Discovery B**



This session provides federal natural area managers and other interested participants with the opportunity for discussion and networking. This year's roundtable will highlight the recently completed "Interagency Strategy for the Pacific Northwest Natural Areas Network" (provided in your registration package). The discussion will focus on how individuals and agencies can help turn existing collections of natural areas managed under various jurisdictions into "natural area networks" that better address contemporary management and conservation issues than might occur by managing them on a site-by-site or agency-by-agency basis. Five themes will be emphasized: inventory and designation, management, research, monitoring and data management, and education and communication. Other topics of importance to participants may also be discussed.

Facilitators: *Steve Shelly, NAA Board Member*

and Regional Botanist/Research Natural Areas Coordinator, U.S. Forest Service; and Todd M. Wilson, Wildlife Biologist/Research Natural Areas Coordinator, U.S. Forest Service.

Workshop

ArcPad/ GPSCorrect/GPS Analyst

9:00 a.m. to Noon | **Discovery C**



ArcPad is software for mobile GIS and field mapping applications using handheld and mobile devices. ArcPad provides field-based personnel with the ability to capture, analyze and display geographic information, without the use of costly and outdated paper map books and data sheets. This workshop will cover the fundamentals of GIS and all aspects of a data collection project with ArcPad, including building and optimizing a geodatabase, using ArcGIS tools for ArcPad, using the Trimble GPSCorrect extension for differentially correcting GPS positions, data collection with GPS and processing data with GPS Analyst software. **Instructor:** *Jim Lahm is an ESRI Authorized ArcPad Instructor from Electronic Data Solutions of Portland, OR.*

Pat Pringle

Professor of Earth Science, Centralia College, "The Natural History of Washington State"

2:10 p.m. **Heritage Ballroom**



Pat will present an overview of the natural history of Washington State through geologic time using the record of rock and sediment environments to illuminate the processes that built and altered the region. World-class geologic sites in the Pacific Northwest preserve natural history in remarkable detail, and some of the geologic events occurred at mind-boggling scales.

Geologic processes provide the underpinnings for today's natural systems, and their record demonstrates how integrated Pacific Northwest natural history is to changing geology and climate through time as plates and terranes moved from tropical latitudes to the north. The region's climates also changed because of shifting earth-sun relationships, tectonic plate movements and ocean basin changes and currents, volcanism, meteor impacts, and through the development and evolution of Earth's life forms and ecosystems.

Sam Green

Washington State Poet Laureate

3:40 p.m. Heritage Ballroom

Appointed by Governor Chris Gregoire, Sam Green is Washington's first Poet Laureate. He will share some of his work inspired by the nature of Washington and his own life "off-the-grid."

Robert Michael Pyle

Nature writer, "Natural Areas as Antidote to the Extinction of Experience"

4:00 p.m. Heritage Ballroom

Robert Michael Pyle is a noted and well-traveled nature writer, storyteller, lepidopterist, and conservation biologist. As our featured Opening Plenary speaker, Pyle will explore "*Natural Areas as Antidote to the Extinction of Experience*":

"When our immediate and nearby environs become depleted of the elements of diversity, our contact suffers for it. This impoverishment of experience leads to a populace that is distanced, therefore alienated from, and ultimately apathetic about wild plants, animals, and their habitats. From such a separation comes a lack of engagement, pointing in turn toward further losses. This cycle of loss, which I call "the extinction of experience," can have serious social and biological consequences. For one, people become satisfied or complacent with the diminished baseline, knowing not what they have lost. For another, the sort of psychological alchemy that makes naturalists and conservationists shuts down. Nothing works better to resist the extinction of experience than natural areas. However, that applies only if, in their conservation and management, such places continue to furnish personal engagement with diversity on the part of ordinary people as well as ecologists. This dual burden on the land to conserve the biota while perpetuating public contact sets up an interesting and challenging management conundrum. Drawing upon my own experience in the field and from my writing, I will paint my ideas of place-based conservation, intimacy with nature, and the roles they both should play in modern life."



Pat Pringle

Pat Pringle is associate professor of Earth Science at Centralia College, Washington. Pat was a research geologist at the Washington Department of Natural Resources Division of Geology from 1990-2005. He was on the volcanic hazards team at the U.S. Geological Survey Cascades Volcano Observatory (CVO) from 1982 to 1990, where he studied Mount St. Helens post-1980 eruptive events and geomorphic changes, worked on volcanic hazard assessments of Mount Hood and Mount Rainier, and conducted studies of the history of debris flows in Grand Canyon National Park. He was public information officer at CVO (1986-1987) during the October 1986 "dome building eruption."

Pat is fascinated by volcanic processes and the history of the Cascade Range. He uses radiocarbon dating, tree rings, and other techniques to compile recent geologic history, including that of volcanoes, earthquakes, landslides, and debris flows. He is the author of *Roadside Geology of Mount St. Helens National Volcanic Monument and Vicinity* and *Roadside Geology of Mount Rainier National Park and Vicinity*, which was just announced as the 2009 Best Guidebook Award winner by the Geoscience Information Society. He has authored or co-authored papers in *Science*, *Northwest Science*, *Geology*, *Earth Science*, and *Geological Society of America Bulletin*, as well as several U.S. Geological Survey professional papers and other journals, and he recently was invited to submit a paper for the volume *Tree-ring reconstructions in natural hazards research: a state-of-the-art* to be published in *Advances in Global Change Research* by Springer-Verlag.

Pat Pringle is president of the Northwest Scientific Association and is a member of the Tree-Ring Society, Geological Society of America, and the American Geophysical Union.



Robert Michael Pyle

Robert Michael Pyle's undergraduate degree from the University of Washington is perhaps the only one ever awarded in the field of "nature perception and protection." His master's in "nature interpretation" was followed by a doctorate in "ecology and environmental studies" from Yale University. Pyle founded the Xerces Society for Invertebrate Conservation, and he's received the Distinguished Service Award from The Society for Conservation Biology.

A full-time writer and independent biologist, Pyle's fifteen books include *Wintergreen* (winner of the John Burroughs Medal for distinguished nature writing), *Where Bigfoot Walks* (subject of a Guggenheim Fellowship), and *Walking the High Ridge*, as well as *The Audubon Society Field Guide to North American Butterflies*, *Butterflies of Cascadia* and several other standard butterfly works. His most recent book, *Sky Time in Gray's River: Living for Keeps in a Forgotten Place*, won the 2007 National Outdoor Book Award for natural history literature and was a finalist for the Orion and Washington Book Awards.

Pyle lives along a tributary of the Lower Columbia River in southwest Washington with his wife, botanist Thea Linnaea Pyle. He has recently completed the first Butterfly Big Year for a new book.

**Species & Community
Conservation**

**Community Involvement
and Education**

**Conservation
at Landscape Level**

DISCOVERY D

HERITAGE E

DISCOVERY A

Wednesday Concurrent Sessions

Time	Session / Subject	Session / Subject	Session / Subject
Early Morning	WORKSHOP POLLINATORS IN NATURAL AREAS: A PRIMER ON HABITAT MANAGEMENT Scott Hoffman Black	WORKING TOGETHER	THE PACIFIC NORTHWEST WILD, URBAN, & RURAL
8:30		Building Stewardship and Community: a Record of Achievement. Gary Smith, Catherine Hovanic	Guiding Conservation Actions in Washington with the State Biodiversity Council and the Conservation Opportunity Framework. Lynn Helbrecht
9:00		Challenges and Strategies for Implement- ing a Successful Volunteer-Based Rare Plant Monitoring Project. Wendy Gobble	Portland, Oregon: A Case Study In Protection of Urban Natural Areas. Deborah Lev
9:30		The USA National Phenology Network: Tracking the Pulse of Natural Areas. Kathryn Thomas	Rural Growth Community Planning and Strategy: Conserving Landscapes, Strengthening Rural Economies and Engaging Community. Dan Stonington
10:00	Mid-Morning Break		
Late Morning	SPECIES CONSERVATION	WORKING TOGETHER (continued)	FRAGMENTATION & CONNECTIVITY
10:30.	Effects of Grass-Specific Herbicides On Butterflies: Experimental Investigations to Advance Conservation Efforts. Cheryl Schultz	Restoring Degraded Prairies and Oak Savannas in the Pacific Northwest: Results of a 5-Year, Multisite Experiment. Amanda Stanley	Moro Big Pine: Using Working Forest Conservation Easements for Landscape-Scale Protection of Natural Communities and Rare Species in Arkansas. Chris Colclasure
11:00	The Return of an Extirpated Plant to BC's West Coast. Ross Vennesland	Is River Rehabilitation Involving Alien Fish Eradication About Getting the Aliens Out or Getting the Anglers on Your Side? Four South African Rivers as a Case History. Dean Impson	Lessons Learned Amidst the Lava: What a Naturally Fragmented Landscape Can Tell Us About Human and Natural Influences on Forests. Sharon Stanton
11:30	Discussion	Discussion	Lessons Learned Through Cooperative Conservation of a Rare Fragmented Habitat. Hannah Anderson
12:00	Plenary Luncheon with Keynote Speaker. End Time: 1:45 P.M.		
Early Aftern.	COMMUNITY CONSERVATION: ALPINE & COASTLINE	WORKSHOP FOSTERING A PASSION FOR NATURE - Part 1	SYMPOSIUM ECOLOGICAL INTEGRITY MEASURES AS A TOOL FOR CONSERVATION PLANNING AND REAL WORLD APPLICATION. Joe Rocchio, Mary Anne Thiesing
2:00	The Pikes Peak Alpine Lab: Frederick Clements on the Edge of Succession (1910-1944). Steve Olson	Reclaiming Our Special Places. Robert Michael Pyle	
2:30	Alternative Futures for Ecological Systems at the Edge of Coastal Development: An Australian Case Study. David Brunckhorst		
3:00	Mid-Afternoon Break		
Late Aftern.	COMMUNITY CONSERVATION FOREST & PRAIRIE	FOSTERING A PASSION FOR NATURE - Part 2	SYMPOSIUM ECOLOGICAL INTEGRITY MEASURES AS A TOOL FOR CONSERVATION PLANNING AND REAL WORLD APPLICATION (continued). Rex Crawford, Janet Sutter, Ginna Correa
3:30	Forest Inventory and Monitoring of Ajloun Reserve, Jordan. Thomas DeMeo	Creating Cultural Connections. Eli Sterling	
4:00	Post-Tornado Salvage Logging Initially Increases Plant Diversity but Decreases Floristic Quality in an Oak-Shortleaf Pine Forest. J. Stephen Brewer		
4:30	The Search for Tallgrass Prairie Remnants, Grass- land Birds, Ornate Box Turtle, and Arogos Skipper in the Arkansas Valley of Arkansas. Jennifer Akin	Discussion. Sterling and Pyle	
5:00	Session Ends		

Climatic Factors	Habitat and Ecosystem Restoration	Current Research, Land Mgmt. & Program Development	Invasive Species (Sponsored by NAEPPC)
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HERITAGE F	DISCOVERY B	DISCOVERY E	DISCOVERY C
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Session / Subject	Session / Subject	Session / Subject	Session / Subject
SYMPOSIUM CLIMATE CHANGE: A HOT TOPIC IN NATURAL AREAS MANAGEMENT Patty Glick, Jessica Halofsky, Jeremy Littell	RESTORATION IN URBAN AREAS	STUDENT POTPOURRI Part 1	PREVENTION, EARLY DETECTION, MAPPING & INFORMATION MANAGEMENT
	Despite Constraints: Habitat Creation and Management in an Urban Park System. Sarah Low	A Novel Motivator for Engaging Park Neighbors in Ecological Restoration Projects. Carin E. Vadala	Pathway Risk Analysis for Weed Spread Within Australia. Michael Coleman
	Cooper Mountain Nature Park: Lessons Learned on Managing Natural Resources at the Urban Interface. Adam Stellmacher	Conservation Easement Adoption: Motivations, Variables, and the Decision Process. James R. Farmer	Map It! Zap It! Map It Again! Eddmaps Invasive Species Mapping Tools. Chuck Barger
	An Urban Park's Vegetation Community: Impacts by Deer and Other Guests. Terry Robison	Discussion / Feedback	Imapinvasives: A Web-Based Approach to Invasive Species Data Aggregation, Mapping, Decision-Making and Action! Mandy Tu
	Mid-Morning Break		
SYMPOSIUM CLIMATE CHANGE: A HOT TOPIC IN NATURAL AREAS MANAGEMENT (continued) Geoff Hammerson, Karen Reagan	RESTORATION AND FIRE ECOLOGY	STUDENT POTPOURRI Part 2	EARLY DETECTION, MAPPING & DATABASES
	The Impact of Multiple Wildfires on Sagebrush-Steppe Communities: Implications for Restoration. Eva Dettweiler-Robinson	Balsam Woolly Adelgid and Landscape Disturbance on the Olympic Peninsula, WA. Karen Hutten	Data Base of Plants Invading Natural Areas in the United States. Les Mehrhoff
	Prescribed Burning in State Park Properties of North Carolina and Nearby Coastal States. John Taggart	The Use Of The Historical Record And Graphical Information Systems To Generate A Suitability Map For Prairie Restoration In Mississippi. Toby Gray	Repeated Aerial GPS Census and Mapping to Assess Phragmites Rate-of-Spread and Control Treatment Efficacy on the Virginia Eastern. Rick Myers
	Fire Regimes of Natural Protected Areas in Tropical America. Ernesto Alvarado	Discussion / Feedback	New Developments with the Cactus Moth (<i>Cactoblastis cactorum berg</i>) Detection and Monitoring Network Efforts. Victor L. Maddox
	Plenary Luncheon with Keynote Speaker. End Time: 1:45 P.M.		
SYMPOSIUM CLIMATE CHANGE: A HOT TOPIC IN NATURAL AREAS MANAGEMENT (continued) George Divoky, Mark Quinn	RESTORATION IN OTHER HABITATS	WORKSHOP USING SOCIAL MEDIA FOR NATURAL AREAS: UNDERSTANDING THE BENEFITS AND THE PRACTICAL IMPLICATIONS. Ash Shepherd	BIOLOGY, CONTROL & MANAGEMENT
	Proactive Vegetation Management and Restoration Efforts of the Arkansas Natural Heritage Commission. Bryan Rupar		Environmental Impacts of Non-Herbicidal Control of Invasive Species. Jimmie Cobb
	Cooperative Elk Conservation in Restored Plant Communities in Buffalo National River. Gary Vequist		Controlling Japanese Barberry: Alternative Methods and Impact on Tick Populations. Jeffrey S. Ward
	Mid-Afternoon Break		
SYMPOSIUM CLIMATE CHANGE: A HOT TOPIC IN NATURAL AREAS MANAGEMENT (continued) Panel Discussion	RESTORATION IN OTHER HABITATS (continued)	NATURAL AREAS MANAGEMENT TOOLS	BIOLOGY, CONTROL & MANAGEMENT (CONTINUED) & PARTNERSHIPS
	Mapping Existing Wetlands and Wetland Restoration Potential on the Missouri River Floodplain. David D. Diamond	Geological and Climatic Factors in Clas-sification of Natural Areas for Sustainable Development in Himalayan Landscape. Ashok Pachauri	Anthropogenic Disturbance and Fire: Factors in Non-Native Plant Invasion at Fort Pickett, Virginia. Patrick Guertin
	Cultivating Place-Based Ecosystem Restoration and Recovery: A Puget Sound Basin Case Study. Jennifer Knauer	Change in Ecosystem Service of Phongsaly National Biodiversity Conservation Areas in LAO PDR. Chanhda Hemmavanh	Issues in Natural Resource Management in an Urban Setting: Reston Association, Virginia. Claudia Thompson-Deahl
	The Tarboo-Dabob Bay Watershed Project. Peter Bahls	Reporting the Results of Long-Term Monitoring: Control Charts and Information Theoretic Modeling. Lloyd Morrison	Establishing a Successful Cooperative Weed Management Area: A Look Back at the First Three Years of the River-to-River CWMA. Christopher Evans
	Session Ends		


Wednesday

Workshop

Pollinators in Natural Areas: A Primer on Habitat Management

8:30 a.m. to 10:00 a.m.
Discovery D

Scott Hoffman Black

 Pollinators are essential to our environment. Animal pollination, which is mostly done by insects, is necessary for nearly 75 percent of the world's flowering plants. This includes more than two-thirds of the world's crop species, whose fruits and seeds provide over 30 percent of the foods and beverages that we consume. Native pollinators are also essential for the health of wild areas. Fruits and seeds derived from insect pollination are a major part of the diet of approximately 25 percent of birds, and of mammals ranging from red-backed voles to grizzly bears.

Despite the recognized importance of pollination services there is a growing body of evidence that suggests pollinators are at risk. Causes of declines are difficult to pinpoint, but loss of floral diversity and habitat due to increasing urbanization, expansion of intensive agriculture, invasive plants, widespread use of pesticides, climate change and disease and parasites have all had a negative impact on pollinator populations.

This presentation provides a summary of how land and wildlife managers can account for the habitat needs of pollinators and provides a series of recommendations for land managers on how tools such as fire, grazing, mowing, and herbicides can be adjusted to limit the impact on pollinators.


Scott Hoffman Black is Executive Director of the Xerces Society, the international organization dedicated to protecting biological diversity through invertebrate conservation. He is an ecologist and entomologist.

Symposium

Climate Change: A Hot Topic in Natural Areas Management

8:30 a.m. to 5:00 p.m.
Heritage F

George Divoky, Patty Glick, Jessica Halofsky, Geoff Hammerson, Jeremy Littell, Mark Quinn, Karen Reagan

 Climate change is always on everyone's mind, but what does it mean for natural area management? This symposium will include some of the latest research and thinking about the potential impacts on natural systems we'll be facing in the (near?) future. Hear about the trends being tracked on a local, regional and global scale. Learn what makes a species more vulnerable or resistant to the changes of an altered climate. Discover the anticipated effect be on forested systems and the species dependent on them. This session is designed to allow for interaction with participants, hearing from some of the best researchers and thinkers in the field and providing time for discussion of what the implications might be for the habitats and ecosystems we manage.

Patty Glick is a Senior Global Warming Specialist with the National Wildlife Federation, Seattle, WA. Jessica Halofsky is a research ecologist at the Pacific Wildland Fire Sciences Lab of the U.S. Forest Service. Geoffrey Hammerson is a research zoologist with NatureServe. Jeremy Littell, PhD., is a research scientist at the University of Washington. Mark Quinn serves as a board member for the Washington Wildlife Federation, the state affiliate for the National Wildlife Federation. Karen Reagan is a PhD candidate and researcher at the University of Washington.


HIGHLIGHT

Keynote Speaker and Luncheon

Heritage Ballroom

Noon to 1:45 p.m.

George Divoky

 *Being "close to the edge" may not be obvious, until you cross that edge, or... worst case...fall off of it!*

When George Divoky began his study of seabirds in arctic Alaska in 1975, he had little appreciation for how close his study site was to a number of important physical and biological edges. Nor could he have predicted the drastic changes that would occur at those edges over more than three decades as a result of a rapidly changing climate.

Divoky conducts annual observations of the seabirds breeding on Cooper Island in the Arctic Ocean, 25 miles from Point Barrow, Alaska. In the late 20th Century, he found decadal trends in breeding phenology and populations as snow and ice responded to slowly increasing temperatures.

As the pace of climate change increased, ecosystem alterations became more rapid and catastrophic. Arctic pack ice retreats at an increasing rate. Summer storms are more intense. Coastal erosion threatens the study colony. Unprecedented changes in sea ice and sea surface temperatures are causing rapid changes in the distribution and numbers of the seabirds' prey, as well as their predators and competitors.

These modifications in distribution are causing the "arctic biodiversity paradox." At a time of concern for decreasing biodiversity in lower latitudes, extreme northern ecosystems are gaining diversity as subarctic species expand northward. Arctic species, especially those dependent on pack ice, become stranded south of their normal ranges. Polar bears that were rare on Divoky's study island in the past are now annual visitors in late summer – and a real threat to both seabirds and researchers!

George Divoky will share his observations and experiences of more than 30 years at Cooper Island. Together, we'll examine how climate-driven modifications of "edges" might affect species and ecosystems throughout North America.

It's 2009...do you know how close to the edge your natural areas are?



George Divoky

George Divoky has studied seabirds in Alaska since 1970 when, as a researcher at the Smithsonian Institution, he participated in the Coast Guard's survey of the Arctic Ocean adjacent to Prudhoe Bay, prior to the development of that oilfield. Since then he has been involved in Alaskan seabird studies relating to a diverse group of conservation issues, including the Alaska Native Land Claims Settlement Act, oil and gas exploration of the outer continental shelf, the Exxon Valdez oil spill and regional climate change. He has maintained a continuing study of a seabird colony at Cooper Island, Alaska, since 1975. The study is one of the longest longitudinal bird studies in North America or the Arctic and its findings on the consequences of snow and pack ice reductions provide some of the best examples of the biological response to climate change.

Divoky's research was featured in a cover story in the New York Times Magazine entitled "George Divoky's Planet", in the Scientific American Frontiers program "Hot Times in Alaska" and on ABC *Nightly News* and *Nightline*. He was a guest on *The Late Show with David Letterman*. The website of Divoky's nonprofit organization, Friends of Cooper Island (<http://cooperisland.org>) provides background and regular updates on his research and outreach programs.

Divoky is a native of Cleveland, Ohio and received his Bachelor's and Master's degrees in zoology from Michigan State University. He obtained his doctorate in biology from the University of Alaska where he now holds a position of Research Associate at the Institute of Arctic Biology. He is one of the founders of the Pacific Seabird Group (PSG), an international society of professional ornithologists and conservationists studying and protecting the marine birds of the Pacific Basin. He received PSG's Special Achievement Award in 1998. Outside of the field season he resides in Seattle where he has an 18-year-old son.

Wednesday

WORKSHOP

FOSTERING A PASSION FOR NATURE

2:00 p.m. to 5:00 p.m.

Heritage E

Part One

Reclaiming Our Special Places

2:00 p.m. to 3:00 p.m.

Robert Michael Pyle

Everyone at this conference can likely trace his or her conservation ethic back to particular encounters in the out-of-doors. In his influential book *Last Child in the Woods*, Richard Louv has pointed out that such encounters are growing rare in our culture. The Children & Nature Network, Green Heart, and many "No Child Left Inside" initiatives have arisen to counter this trend. In this interactive workshop, Pyle will lead you back to your own place of natural initiation. We'll discuss the traits such special spots share, why and how their loss can affect the culture, and how we as conservationists can meet our own goals for natural areas while resisting what Louv has called "Nature Deficit Disorder." Bring pencil and paper, an open mind, and your unguarded memory.

Robert Michael Pyle, Ph.D. is a noted naturalist and biologist, author of several books and founder of the Xerces Society.

Group Discussion with Pyle and Sterling



4:30 p.m. to 5:00 p.m.

Part Two

Creating Cultural Connections Between Communities and the Natural World

3:30 p.m. to 4:30 p.m.

Eli Sterling

Understanding that the passionate advancement of natural lands protection is steered by personal experiences in the out of doors, this session explores the perspective that unless entire communities likewise have a similar social identity of personal connection to nature, natural lands protection will be compromised by competing values and public demands. The challenge, then, is not just about bringing the community to the remaining natural lands and protected areas. It is likewise about bringing the lands into the cultural identity of the community. Beginning with a personal, experiential exercise involving a pair of stones (newly found or previously held in one's possession...bring two stones from lands you love!), we will focus on uniting cultural identity with the natural environment, then explore specific challenges offered by workshop participants.

Eli Sterling is the director of Earthbound Productions in Olympia, WA, a community non-profit organization advancing effective environmental action and education through creative cultural programs and civic partnerships.

Wednesday

Workshop

Using Social Media for Natural Areas, Understanding the Benefits and the Practical Implications

2:00 p.m. to 3:00 p.m.
Discovery E

Ash Shepherd

There is a lot of excitement around the topic of social media these days. For these tools to be effective you must understand their benefits as well as their practical implications. This session will look at the definition and context for what social media is, explore how social media can be used to support your offline conservation activities and consider what's needed to make informed decisions about using social media for your organization.

Ash Shepherd is a technology consultant with TACS & N Power Oregon in Portland, OR.

Symposium

Ecological Integrity Measures as a Tool for Conservation Planning and Real World Application

2:00 p.m. to 5:00 p.m.
Discovery A

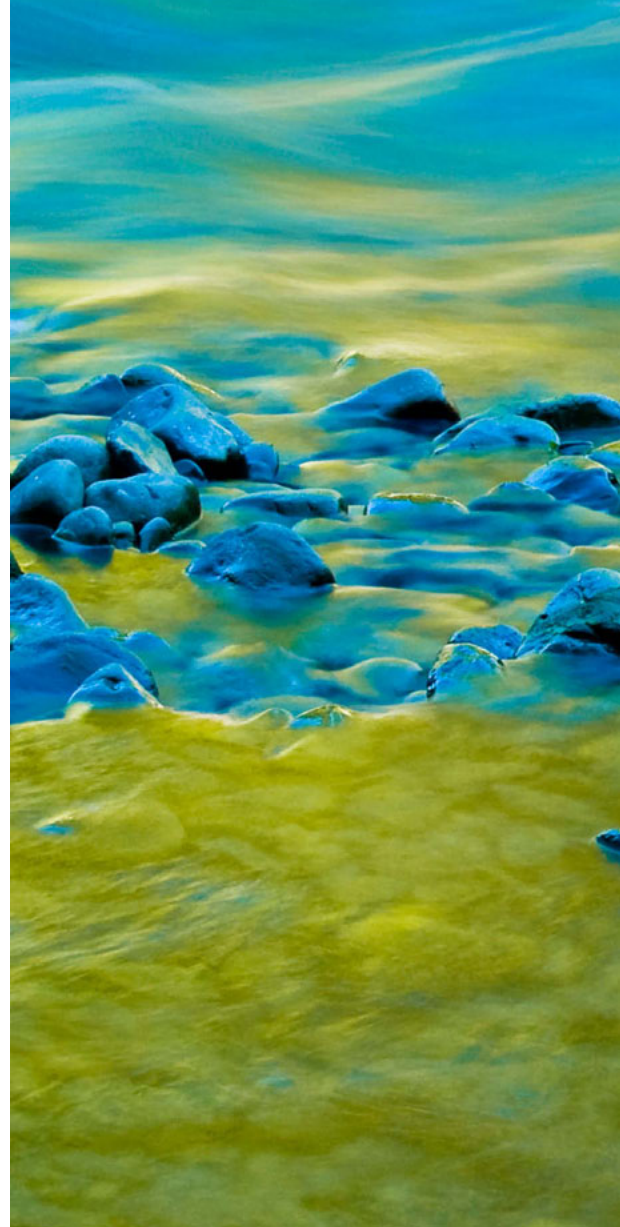
Rex Crawford, Joe Rocchio, Mary Anne Thiesing, Janet Sutter, Ginna Correa

This session will explore the utility of using multi-scale assessments of ecological integrity to inform conservation and management objectives. Presentations will provide a variety of examples of using ecological integrity measures as a basis for informing management, restoration, and conservation of upland and wetland ecological systems. A panel discussion will follow the presentations. The goal of this symposium is to share and explore ideas of how natural area managers and scientists could more effectively and efficiently set priorities for conservation, benchmarks for restoration monitoring, and assessing management success using measures of ecological integrity.

Rex Crawford, PhD and Joe Rocchio are ecologists with the Washington Natural Heritage Program. Mary Anne Thiesing, PhD, is a senior wetlands ecologist with the U.S. Environmental Protection Agency, Seattle, Washington. Janet Sutter and Ginna Correa are with the Washington Department of Fish and Wildlife.

“Keith Lazelle’s work is among the most original and artistic nature photography in the country.”

GORDON TODD





"HOH RIVER, REFLECTED LIGHT" DETAIL © KEITH LAZELLE



Keith Lazelle

Native Washingtonian Keith Lazelle was raised in the Olympia area. He studied Asian aesthetics and culture at Linfield College

in Oregon, and *Alaska Airlines Magazine* noted this influence: "Spare, contemplative images dominate much of Keith Lazelle's work, inviting further contemplation of the natural world." Lazelle and his wife and agent, Jane Hall, live on Dabob Bay on the Olympic Peninsula in a landscape recently designated for future acquisition as a state natural area. His clients include The Hoh River Trust, The Audubon Society, *Alaska Airlines Magazine*, Coldwater Creek, Eddie Bauer, Fred Hutchinson Cancer Center, Seattle Opera and The Nature Conservancy. Client Gordon Todd noted "Keith Lazelle's work is among the most original and artistic nature photography in the country."

HIGHLIGHT

Annual Banquet, Awards Ceremony and Auction

Heritage Ballroom | 5:30 p.m. to 10:00 p.m.



Join us for a casual reception and the silent auction at 5:30 p.m.

You'll find a complimentary drink ticket in your name tag holder. Following dinner, which begins at 6:30 p.m., we'll honor this year's winners of the Carl N. Becker Stewardship Award and the George B. Fell Award. Photographer Keith Lazelle will share his amazing work, and then the live auction will begin.

Keith Lazelle

In 2007, Keith Lazelle was given what he terms a "dream assignment" by the Hoh River Trust. He was hired to photograph 60 miles of the Hoh River on Washington's Olympic Peninsula, during four seasons, from its headwaters on Mount Olympus to the Pacific Ocean. The result is a beautiful book, *Fast Moving Water*, and a two-year traveling exhibit sponsored by the University of Washington's Burke Museum. Keith will present "the photographer's story" behind *Fast Moving Water* while viewing one of the last virtually intact rivers in the contiguous United States.

Thursday

Poster Session and Reception

6:00 p.m. to 8:00 p.m.
Heritage C, D

Join your colleagues to meet poster authors while enjoying light snacks and refreshments from the cash bar.

See Presentations details on next page.

NAEPPC Forum

6:30 p.m. to 8:00 p.m.
Birch Room (2nd Floor)

The National Association of Exotic Pest Plant Councils (NAEPPC) forum is an informal opportunity for NAEPPC members to share their ideas and accomplishments. Individuals are encouraged to present an overview of their chapter's activities in short (3-5 minute) presentations.

Living on the Edge Cinema

9:00 p.m. to 11:00 p.m.
Discovery D

See the flier in your conference packet for the week's schedule of short film screenings.

Natural Areas Jam Session

9:00 p.m. to Midnight
Discovery A
(aka B-Natural Bistro)

Natural areas and music just plain go together. We write songs that pay tribute to special places, that marvel at the wonder of it all, laude the riches of bountiful regions, or lament nature's destruction. Bring your instrument or your voice and join the Natural Areas Jam. Swap music from past or present, and from natural places far and wide. Everyone is invited to this evening of musical fun!

Thursday Field-Trips

MID-CONFERENCE FIELD TRIPS

Look for your field trip ticket in your name tag holder showing your pre-registered field trip. If you have questions regarding your scheduled trip, visit the registration table from 8:00 a.m. on Tuesday through 2:00 p.m. on Wednesday. No changes can be made after 2:00 p.m. on Wednesday. Note that some initially advertised field trips were cancelled.

Box lunches are available from 7:15 a.m. to 9:30 a.m. in the Heritage Ballroom. Please pick up a lunch and a grab 'n go breakfast item on your way to your field trip. Vehicles will be parked at the main conference center entrance.



Vehicles will depart promptly at their announced times.

	Monday, September 14	Departure	Return
FT01	East Fork Lewis River Greenway	9:00 a.m.	2:30 p.m.
FT03	Chehalis River Surge Plain NAP	8:00 a.m.	6:00 p.m.
FT04	Puget Sound Estuaries	8:30 a.m.	5:00 p.m.
FT05	South Puget Sound Prairies	8:00 a.m.	5:30 p.m.
FT06	Table Mountain	8:00 a.m.	5:30 p.m.
FT08	Wind River Canopy Crane	8:00 a.m.	5:30 p.m.
FT09	Mount St. Helens	8:30 a.m.	5:30 p.m.
FT011	Beacon Rock State Park	9:00 a.m.	5:00 p.m.
FT013	Columbia River Gorge Oak Restoration	9:00 a.m.	5:30 p.m.
FT014	Lower Columbia Salmon Restoration	8:30 a.m.	5:30 p.m.
FT015	Ridgefield National Wildlife Refuge	9:00 a.m.	3:00 p.m.
FT018	Camassia Natural Area (Oregon)	9:30 a.m.	2:30 p.m.

Poster Presentations

**Vegetation of Ankenbrand Forest,
Wabash County, Illinois.**

Wade Bloemer and Dane Goble

**Wetland *Phalaris arundinacea*
Abundance as a Function of Watershed
Soil and Land Cover Attributes.**

Nina Borchowiec

**Assessing Prairie Management for
George Washington Carver National
Monument: Control of Invasive Species
and Indicator Species on Restored
Prairie Units.**

Michael P. Burfield

**Out With The Old, In With The New:
Gaining Accurate Population
Assesments for A Colorado Endemic,
Penstemon Harringtonii Penland.**

Carol Dawson

**Germination Studies to Examine the
Seed Ecology of *Lupinus lepidus* var.
lepidus, *Lupinus polyphyllus* and
Lupinus albicaulis (Fabaceae).**

Carl W. Elliott

**A Microhabitat Analysis of Japanese
Hops (*Humulus japonicus*) and
Japanese Stiltgrass (*Microstegium
viminium*) in a Riparian Ecosystem
Along Hutchins Creek in Union
County, Illinois.**

Derek Evans

**Long Term Treatment Effects of
Mechanical and Prescribed Fire
Treatments Following Clearcutting of
Jack Pine (*Pinus banksiana*) on
Herbaceous Plants and Regeneration.**

Michelle Latsch Freeman

**Plant Community Shifts in Active Dune
Areas Invaded by Spotted Knapweed
(*Centaurea maculosa*) In Pictured Rocks
National Lakeshore.**

Michelle Latsch Freeman

**Challenge Cost Share Funds Provide
Partners, Prosperity and Punch to the
National Natural Landmarks Program.**

Stephen T. Gibbons

**The Use of the Historical Record and
Graphical Information Systems to
Generate a Suitability Map for Prairie
Restoration in Mississippi.**

Michael Tobit Gray

**Eight Prohibited Invasive
Exotic Plants in Reston, Va.**

Patricia Greenberg

**Wetland Creation in The
Northern Indian River Lagoon: A
Response to Sea Level Rise Associated
with Global Climate Change.**

Todd Jones

**A Method for Assessing
the Ecological Condition of Army
Lands Using a Floristic Quality Index.**

Bruce Macallister

**Improving Science Literacy
Through Visual Communications.**

Mary McFadzen

**Evaluation of Mist Blower
Application of Glyphosate in the
Treatment of *Lonicera* Spp. in a
Non-Sensitive Natural Area.**

**Radonna McKinney and Kimberly
Elsenbroek**

**Effects of Mowing, Chopping,
and Fire on Restoration of Overgrown
Florida Scrub Vegetation.**

Eric S. Menges

**Establishing a Shorebird
Conservation Working Group
in The Tennessee River Valley:
A Project Evaluation.**

Jason M. Mitchell

**RNA Inventory and Ecological
Representativeness: The Southwestern
Region Process for Determining Need
for Additional RNAs.**

Rosemary L. Pendleton

**Mycorrhizal Community
Structure: Implications for
Restoration and Invasion.**

Wendy S. Phillips

**A Study of *Elaeagans*
umbellata Dispersal Based on the
Ages and Relative Locations of
Individuals in a Stand.**

Mame Redwood

**The Use of Parasites as Indicators of
Biodiversity in Selected Lakes of
the Inland Northwest.**

John Shea

**A Plant Phenology Monitoring
Map: A Journey Through the
USA-National Phenology Database.**

Kathryn Thomas

**Landscape Scale Conservation in
Washington, Land Acquisition and
Conservation Under the ESA.**

Ted Thomas

**Learning On The Edge: Involving
Researchers in Sharing Research
Conducted in Natural Areas.**

Lucy Tyrrell

**An Occupancy and Acid
Precipitation Impact Study of
Some Endemic Plants of Athabasca
Sand Dunes Provincial Park,
Saskatchewan, Canada.**

Robert A. Wright

Species & Community
Conservation

Community Involvement
and Education

Conservation
at Landscape Level

DISCOVERY D

HERITAGE E

DISCOVERY A

Friday Concurrent Sessions

Time	Session / Subject	Session / Subject	Session / Subject
8:30	PLENARY SESSION WITH SPEAKER		
10:00	Mid-Morning Break		
Late Morning	WORKSHOP ALL THINGS CONSIDERED: CONSERVATION ACTION PLANNING Kara Nelson	WORKSHOP THE GREEN SEATTLE PARTNERSHIP: A SUCCESS STORY IN URBAN FOREST RESTORATION AND SUSTAINABILITY Mark Mead	LANDSCAPE-LEVEL TOOLS AT WORK
10:30			Application of New Texas Landcover Data for Conservation Planning. Lee F. Elliott
11:00			Mitigation Banking: A Potential Tool to Restore & Sustain Priority Habitats. Dana Field
11:30			Identifying Aquatic Riverine Conservation Opportunity Areas. Gust M. Annis
12:00	NAA Annual Membership Meeting & Luncheon		
Early Aftern.	OPEN	SPECIAL SESSION LANDSCOPE AMERICA/LANDSCOPE WASHINGTON: SHARING PRIORITIES, BUILDING PARTNERSHIPS John Gamon	WORKSHOP COOPERATIVE CONSERVATION: DEVELOPING EFFECTIVE NETWORKS OF CONSERVATION PARTNERS Hannah Anderson
2:00			
2:30			
3:00	Mid-Afternoon Break		
Late Aftern.	OPEN	OPEN	WORKSHOP COOPERATIVE CONSERVATION: DEVELOPING EFFECTIVE NETWORKS OF CONSERVATION PARTNERS (continued) Hannah Anderson
3:30			
4:00			
4:30			
5:00	Conference Ends		



Habitat and Ecosystem Restoration	Current Research, Land Mgmt. & Program Development	Invasive Species (Sponsored by NAEPPC)
DISCOVERY B	DISCOVERY E	DISCOVERY C



Friday

Outing

Join Us for a Friday Morning Interpretive Walk!

**7:15 a.m. to 8:20 a.m.
Gather in the Exhibit Area**

 If you missed it on the February 2009 cover of *Landscape Architecture Magazine*, here's your chance to experience the extraordinary new land bridge just a short walk from the Vancouver Hilton. This pedestrian bridge designed by Jone & Jones is the largest element of the Confluence Project inspired by artist Maya Lin. The sinuous, swirling, plant-laden bridge spans a highway and connects historic Fort Vancouver with the Columbia River Waterfront, while at the same time connecting the community's natural and cultural past to its present and future. We'll gather at 7:15 am and begin our brisk walk to the land bridge at 7:20, returning by 8:20, just prior to the plenary session. Our host is Kelly Puntenev, member of the Vancouver-Clark Parks and Recreation Advisory Commission and former Vancouver Waterfront Development Manager.

HIGHLIGHT

Plenary Session

Heritage Ballroom

8:30 a.m. to 10:00 p.m.

Native Plant Materials Development Program: Meeting Native Plant Material Needs for Restoring Native Plant Communities

Peggy Olwell

 Drought, increased wildfires, invasive species and species redistribution are just a few of the complex issues resulting from climate change that land managing agencies are facing. The future of managing native plant communities across the nation will require all of us to work together in meeting common conservation goals for native plant communities. The U.S. Native Plant Materials Development Program is working with over 500 partners who are collecting, researching and storing seeds in anticipation of the need to sustain healthy native plant communities in light of climate change. Congress directed the Bureau of Land Management to develop this program to ensure that a diversity of species and a sufficient quantity of genetically appropriate seed is available for restoration and rehabilitation.

Peggy Olwell

Peggy Olwell is the Plant Conservation Program Manager for the Bureau of Land Management in Washington, DC. Peggy has worked on endangered species issues for more than 20 years. Prior to BLM, Peggy was the Endangered Species Program Manager for the National Park Service where she was instrumental in developing the Plant Conservation Alliance, a partnership of 15 federal agencies and over 275 state and private organizations implementing a national plant conservation strategy, which addresses issues such as medicinal plants, invasive alien plants, restoration, and research and information sharing. Currently, she is chair of the PCA Federal Native Plant Committee.

Prior to NPS, Peggy was the Conservation Program Manager for the Center for Plant Conservation where she developed policy and guidance for the National Collection of Endangered Plants. Peggy also worked as the Regional Botanist with the U.S. Fish and Wildlife Service's Southwest Regional Office of Endangered Species where she developed and implemented recovery plans and Endangered Species Act listing for many of the endangered plants of Arizona, New Mexico, and Texas.

Peggy co-edited with Don Falk and Connie Millar a 1996 publication by Island Press entitled, *Restoring Diversity: Strategies for Reintroduction of Endangered Plants*. She is chair of the North American Plant Specialist Group for IUCN. Peggy received her B.S. in Botany from the University of North Carolina at Chapel Hill and her M.S. in Biology from Southern Methodist University.


Friday

Workshop

The Green Seattle Partnership—A Success Story in Urban Forest Restoration and Sustainability

10:30 a.m. to Noon
Heritage E

Mark Mead

 The Green Seattle Partnership is a citizen-driven program that was established in 2005 to battle the declined tree health and invasive species found in over 70 percent of Seattle's 2,500 acres of forested parklands. In the face of the 2009 economic crisis, the Green Seattle Partnership (GSP) is on track to add 100 "new" acres to 300 acres already in forest restoration, maintaining an annual budget of \$2.3 million. This workshop provides a proven model, the Urban Forest Sustainability Model, for protecting and restoring urban forests by simultaneously addressing three essential elements: developing and retaining community partnerships, creating technologies and best management practices that inform restoration efforts, and the development of sustainable long-term financial and management infrastructure. This talk will explore how leading-edge restoration science, community activism and long-term vision are translating into executive support, increased budgets and the integration of urban forestry issues across the city. This program was built to be applicable in all cities and has already been adopted by five municipalities in the region.


Mark C. Mead is a certified arborist and the Senior Urban Forester for the Seattle Department of Parks and Recreation.

Workshop

All Things Considered: Conservation Action Planning

10:30 a.m. to Noon
Discovery D

Kara Nelson

 Over the past 15 years, The Nature Conservancy has developed an integrated process for planning, implementing, and measuring conservation success for its conservation projects. This process is called the "Conservation Action Planning (CAP)" process.

The CAP process guides project teams to identify effective conservation strategies. It provides an objective, consistent and transparent accounting of conservation actions and the intended and actual outcomes of conservation projects. It enables project staff to responsively adapt their actions to improve strategy effectiveness and achieve greater conservation impact.


Kara Nelson is a conservation planner with the Washington Field Office of The Nature Conservancy in Seattle, Washington.

State Natural Areas Programs Special Session

Performance Measures: How to Establish Them and Manage with Performance in Mind

10:30 a.m. to Noon
Discovery E

Pete Colverson

 This session will focus on establishing Performance Measures using the principles of Logic Models and then establishing a Monitoring and Evaluation System to keep track of progress. The session will be run as a workshop with opportunities for small group work and planning for your own work place. There will be a focus on the importance of clear, measurable objectives derived from a mission driven work effort that emphasizes simplicity and clarity. We can all learn a lot from Dilbert!


Pete Colverson is a communication specialist with Pandion Systems in Gainesville Florida.

Workshop

Seeds of Success: Creating Restoration Solutions through a National Native Seed Collection Program

10:30 a.m. to 5:00 p.m.
Discovery B and field work

Mary K. Byrne

 Climate change means that coordinated native seed banking efforts are going to become increasingly important for maintaining and restoring resilient vegetation communities that provide the foundation for wildlife habitat, and that are ultimately essential to the ecological services that humans depend on. Wildland seed collection programs, such as Seeds of Success (SOS), are connecting organizations around the country to collect and preserve plant diversity before it is lost. This work is creating a vital seed bank for native plant materials development, research, and habitat restoration that your organization can contribute to and benefit from.

In need of native plants for your restoration projects? Concerned about the impacts of climate change on the habitats you manage? If so, please join us for a one day workshop on Seeds of Success. Find out the many ways you and your organization or agency can get involved and benefit from this program while working to safeguard native plant genetic diversity for the future.

SOS is the national native seed collection program, under the umbrella of the National Native Plant Materials Development Program, led by the Bureau of Land Management (BLM). This partnership includes many federal agencies and hundreds of non-federal organization. SOS' mission is to collect wildland native seed for the development of genetically appropriate native plant materials for landscape level restoration.

The afternoon portion of this session is a field trip.

Mary K. Byrne is the National Collection Curator for the Seeds of Success Program, Bureau of Land Management.

Friday

Discussion

Developing Herbicide-Based Strategies to Manage Grasslands while Minimizing Effects on Non-Target Species

11:00 a.m. to Noon
Discovery C

Cheryl B. Schultz


 Rapid spread of invasive plants poses a significant challenge for managing Oregon and Washington prairies, as well as grasslands across North America. Managers are turning to herbicides as a promising tool to reduce challenging invasive species—yet effects on non-target species in the grasslands, especially insects, are poorly documented. Due to the immediacy of the need, managers often use a trial-and-error approach, with little communication with managers in nearby areas. There is a vital need for communication across regional natural areas so that managers can learn from each other.

This discussion will have two parts. First, we will discuss alternative herbicide strategies to manage grasslands across North America and observations of non-target effects. Second, we will break up by region to discuss specific strategies in the region and to facilitate discussion amongst local scientists and managers.

Cheryl B. Schultz is an assistant professor at Washington State University Vancouver and is a member of Washington's Natural Heritage Advisory Council.

NAA Annual Membership Meeting and Lunch

Noon to 1:45 p.m.
Heritage Ballroom

 All NAA members are invited and encouraged to attend the Annual Membership Meeting. If you confirmed this meeting when you registered, we will have a lunch ready for you. If not, then please join us with a brown bag lunch. The meeting agenda includes election of board members and NAA bylaws changes on membership levels and dues to be approved by the voting members. See the meeting notice in your conference packet for additional details.

Special Session

Landscape America/Landscape Washington: Sharing Priorities, Building Partnerships

2:00 p.m. to 3:00 p.m.
Heritage E

John Gamon

 LandScope America (www.landscape.org), a new online resource for the land-protection community and the public, is a collaborative project of NatureServe, National Geographic Society, and many state and local partners. Its goal is to inspire and inform conservation action across the United States. LandScope America can enhance partnerships at all levels by helping organizations focus conservation action around shared priorities, learn about each other's priorities and projects, and promote successes to the public. In addition, LandScope America provides excellent resources for natural resource managers, such as a state of the art map viewer with geotagged photos, videos, case studies and analyses and a platform for viewing and analyzing spatial data. The Washington Natural Heritage Program is one of five chosen nationally to help develop the pilot website.


John Gamon is Program Manager of the Washington Natural Heritage Program.

Workshop

Interagency Strategy for the Pacific Northwest Natural Areas Network

2:00 p.m. to 3:00 p.m.
Discovery E

Todd M. Wilson

 The Pacific Northwest Interagency Natural Areas Committee has promoted the establishment and management of natural areas in Oregon and Washington for more than 30 years. This growing collection of sites is now unmatched in its diversity and representation of both common and unique ecosystems found throughout the region. Visions, goals and actions have been identified that can help transform these natural areas into a resilient network that can meet a growing number of challenges including managing for ecological processes over the long term, responding appropriately to climate change and invasive species, protecting the ecological integrity of sites as human use increases, promoting research and educational activities, and communicating the importance of wildlands to a public that is growing apart from the natural world. A natural areas network can play a pivotal role in developing regional and global approaches to conservation that meet diverse human and ecological needs.

Todd M. Wilson is a wildlife biologist and Research Natural Areas Coordinator with the Pacific Northwest Research Station, U.S. Forest Service, Portland, Oregon.


Friday

Workshop

Cooperative Conservation: Developing Effective Networks of Conservation Partners

2:00 p.m. to 5:00 p.m.
Discovery A

Hannah Anderson

 Great emphasis has been placed on achieving results through cooperation and partnerships. Nowhere is this more evident than with those facing issues related to natural resources, such as recovery of rare species and managing their habitat. Natural systems do not adhere to human concepts of political boundaries like county borders or agency jurisdictions. A paradigm shift has occurred in which entities have recognized this truth and moved from essentially working in isolation to working together. Many states have identified the need to cooperate in their Wildlife Action Plans; there is even an executive order from the office of the President directing federal agencies to cooperate. But how is cooperation attained? This 3-hour workshop will outline a simple and useful framework for designing your program or project to achieve results through cooperation. Specific techniques for bringing people together, finding common ground, and affecting momentum will be presented. Framing your program around the cooperative model and using these basic tools, will enhance your ability to move your conservation work forward.


Hannah Anderson is the Rare Species Project Manager of The Nature Conservancy's South Sound Program in Olympia, Washington.

Workshop

Aquatic Invasives

2:00 p.m. to 5:00 p.m.
Discovery C

Cort Anderson, John Wood and Steve Wells

 Invasive aquatic species are a growing problem, nationally, and in the Pacific Northwest. In order to prevent or slow the spread of invasive species, detection and monitoring methods that reliably identify and detect aquatic invasives need to be developed, and these methods need to be cost-effective and broadly available. This workshop will review and critique current methodology for detection and identification of aquatic invasive species, with special attention to molecular methods currently in use or in development. DNA-based methods for species identification and detection have great utility, but there is also potential for inappropriate use of this technology, and some confusion about how this technology should best be deployed. This workshop will explore the potential uses and limits of DNA-based detection methods, potential pitfalls, and develop a summary document that will assist land managers and agency officials charged with managing aquatic invasives in making best use of this technology.

Cort Anderson, PhD., is the research assistant professor and manager, UI Laboratory for Conservation and Ecological Genetics, College of Natural Resources, University of Idaho. John Wood, PhD. is a researcher with Pisces Molecular, LLC, Boulder, Colorado. Steve Wells is a researcher at the Center for Lakes and Reservoirs, Portland State University, Portland, OR.

Meeting

Business Meeting of the National Association of Exotic Pest Plant Councils

3:30 p.m. to 5:00 p.m.
Oak Room (2nd. Floor)

Enjoy
your stay in
Washington
State and the
Pacific
Northwest

Notes

ABOUT US

The Natural Areas Association



The Natural Areas Association (NAA) has, for nearly 30 years, provided support and vital resources to individuals and agencies concerned with the protection and stewardship of natural areas.

As defined by NAA's founder, George B. Fell, natural areas are "areas of land which have scientific, educational and esthetic value by reason of distinctive natural features."

NAA provides natural areas "defenders" with the tools and information they need to be successful, whether they are natural areas managers, educators, program staff or volunteers.

To support those who are committed to natural areas conservation, NAA:

- ▶ Publishes the Natural Areas Journal and the Natural Area News
- ▶ Hosts the annual Natural Areas Conference
- ▶ Develops special reports such as "The Status of State Natural Area Programs"
- ▶ Facilitates special programs and working groups such as the State and Federal Natural Area Programs Roundtables
- ▶ Provides education and outreach to the land trust community
- ▶ Serves as a portal to natural areas information and resources
- ▶ Founded in 1980, NAA is a 501(c)(3) non-profit organization.

To become a member, donate or learn more about the Natural Areas Association, visit www.naturalarea.org.



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Natural Resources



WASHINGTON STATE
Recreation and
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VANCOUVER-CLARK
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