



# Agenda

## **National Workshop on Large Landscape Conservation**

October 23 and 24, 2014  
Ronald Reagan Building  
Washington, DC

# Thank You to our Workshop Partners

The conference organizers would like to take this opportunity to thank all of the organizations and individuals that have partnered together to make this remarkable Workshop possible. Like a large landscape conservation initiative, conference partners have come from the public, private, non-profit and academic sectors, as well as the American Indian community, crossing geographic and sectorial boundaries, to allow conservation practitioners, decision-makers and citizens to come together, share their best ideas and plan for the future.

The multitude of partners involved is reflected in workshop numbers: more than 500 workshop participants, some three-dozen plenary session speakers, and more than 200 concurrent session speakers, all listed in the agenda that follows. To each of you, please accept our sincere appreciation. Special mention goes to those organizations, listed below, that have made substantial financial and in-kind commitments to bring us here today.

American Fisheries Society  
American Ornithologists' Society  
Amigos de los Rios  
Bureau of Land Management  
Center for Large Landscape Conservation  
Chesapeake Conservancy  
Chicago Wilderness  
Gaylord and Dorothy Donnelly Foundation  
Harvard Forest, Harvard University  
Heart of the Rockies Initiative  
Highstead, in support of the Wildlands and Woodlands Initiative  
Intertwine  
Landscape Conservation Cooperative Network  
Lincoln Institute of Land Policy  
Metropolitan Greenspaces Alliance  
National Park Service  
Practitioners' Network for Large Landscape Conservation  
The Conservation Fund  
The Nature Conservancy  
The Trust for Public Land  
University of Arizona School of Natural Resources  
University of Montana Center for Natural Resource and Environmental Policy  
USDA National Forest Service  
USDA Natural Resource Conservation Service  
United States Department of Agriculture (USDA)  
United States Department of the Interior (UDOI)  
United States Geological Survey  
United States Fish and Wildlife Service

Thanks also to a very dedicated and capable staff and group of volunteers, essential to the success of this effort. They include: *Jill Allread, Brent Mitchell, Charles Curtin, Sarah Elder, Juanita Flick, Isabella Gambill, Shawn Johnston, Bridget Kagan, Chris Maxwell, Elle O'Casey, Maggie Janik, Eva Przygodzki, Loleta Ross, Emily*

*Schweitzer, Helen Sieracki, Colleen Whitlock, and many, many others. Deep thanks also to Rie Sugihara, Brooke Burgess, Jen Karr and Julia Rapley for helping us find and make full use of the spectacular home for this Workshop at the Ronald Reagan Building.*

And finally, our thanks to the NWLLC Program Committee, who worked countless hours to sort through a flood of presentation proposals. They have managed to bring to all of us the extraordinary talent that will share their ideas and insights to at the NWLLC. The Program Committee includes the following members.

*Greg Wathen (Chair), Gulf Coastal Plains & Ozarks LCC, Tennessee Wildlife Resources Agency*

*Doug Austen, American Fisheries Society*

*Brenda Barrett, Living Landscape Observer*

*Charles Curtin*

*Gregg Elliott, Gulf Coastal Plains & Ozarks LCC*

*Larry Fisher, University of Arizona, Practitioners Network*

*Elsa Haubold, US Fish and Wildlife Service, Landscape Conservation Cooperatives*

*Jim Herkert, Illinois Department of Natural Resources*

*Shawn Johnson, University of Montana, Practitioners Network*

*Linda Kelly, Great Basin LCC, Bureau of Land Management*

*Karen Murphy, Western Alaska LCC, US Fish and Wildlife Service*

*Claire Robinson, Amigos de Los Rios*

*John Rogner, Upper Midwest and Great Lakes LCC, US Fish and Wildlife Service*

*Glen Salmon, Eastern Tallgrass Prairie Big Rivers LCC, US Fish and Wildlife Service*

*Esther Stroh, US Geological Survey*

*Ben Thatcher, US Fish and Wildlife Service, Landscape Conservation Cooperatives*

*Gwen White, Eastern Tallgrass Prairie Big Rivers LCC, US Fish and Wildlife Service*

*Michael B Whitfield, Heart of the Rockies*

To all of you, please accept our deep appreciation.

*Best wishes from the Leadership Committee for the  
National Workshop on Large Landscape Conservation*

*Douglas Austen (Co-Chair), American Fisheries Society*

*Joel Dunn (Co-Chair), Chesapeake Conservancy*

*James Levitt (Co-Chair), Lincoln Institute of Land Policy; Harvard Forest, Harvard University*

*Robert Bendick, The Nature Conservancy*

*Larry Fisher, University of Arizona*

*Kassandra Hardy, National Park Service*

*Elsa Haubold, US Fish and Wildlife Service, Landscape Conservation Cooperatives*

*Shawn Johnson, University of Montana*

*Melinda Pruett-Jones, American Ornithologists' Union*

*John Rogner, US Fish and Wildlife Service*

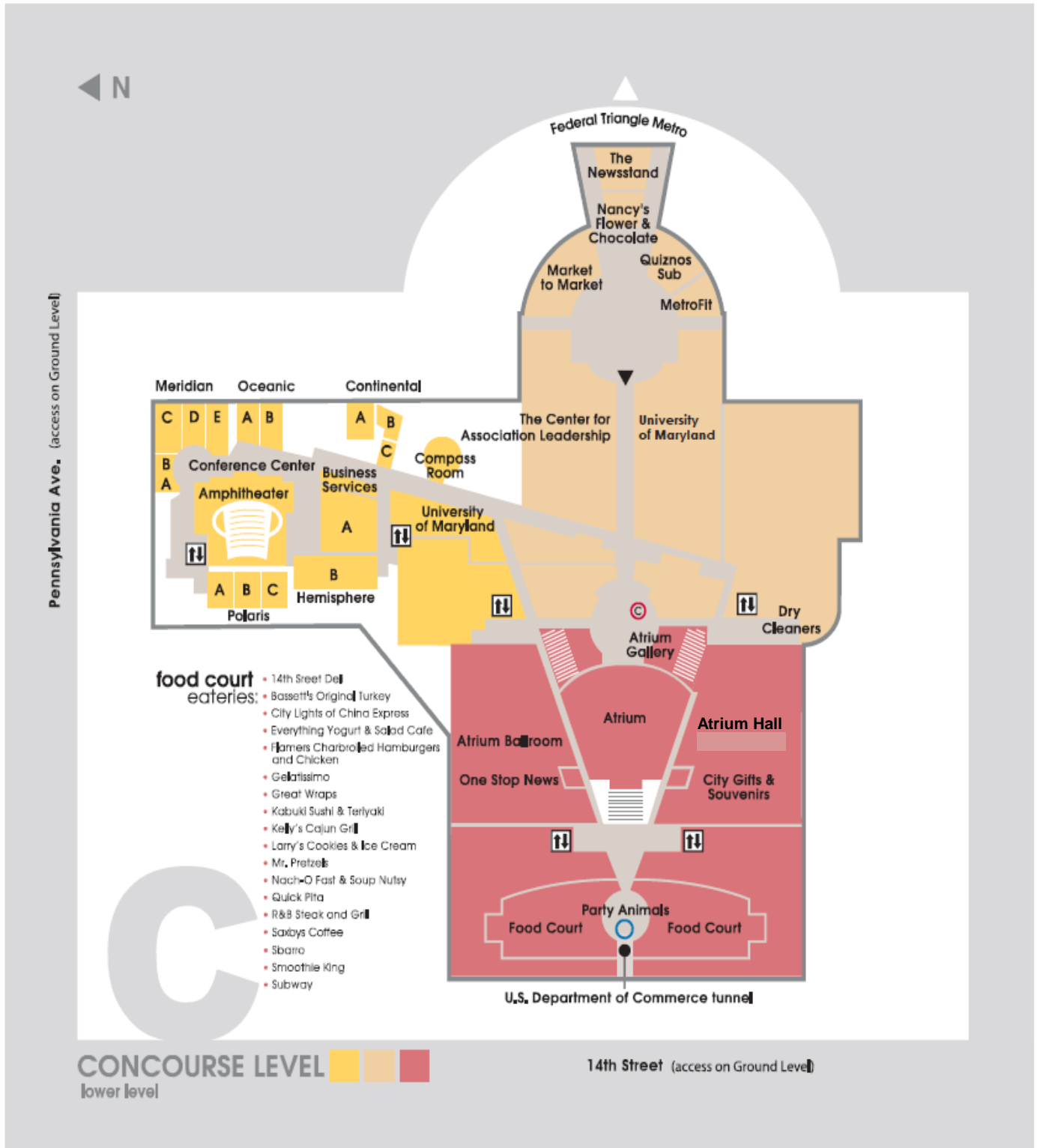
*Kit Muller, Bureau of Land Management*

*Lynn Scarlett, The Nature Conservancy*

*Ben Thatcher, US Fish and Wildlife Service Landscape Conservation Cooperatives*

*Greg Wathen, Gulf Coastal Plains & Ozarks LCC, Tennessee Wildlife Resources Agency*

Site of the National Workshop on Large Landscape Conservation  
 Concourse Level, Ronald Reagan Building, 1300 Pennsylvania Avenue, NW, Washington, DC





## WORKSHOP AGENDA

### Wednesday, October 22, 2014

1:00 PM-5:30 PM

**Mount Vernon Field Tour** – bus departs from Washington Hilton Hotel at 1pm, 1919 Conn. Ave. NW, Washington, DC

5:00 PM-9:00 PM

**Early Registration** – Presidential Suite, Washington Hilton Hotel, 1919 Connecticut Avenue NW, Washington, DC

### Thursday, October 23, 2014

Ronald Reagan Building, 1300 Pennsylvania Avenue, NW, Washington, DC

7:00 am Registration Desk Opens

8:30 AM-10:00 AM

#### **Session PL1 – THURSDAY OPENING PLENARY – Amphitheater**

Call to Order: Joel Dunn, Executive Director, Chesapeake Conservancy

Conference Overview: James Levitt, Lincoln Institute of Land Policy and Harvard Forest, Harvard University

**Greetings: Mike Boots, White House Council on Environmental Quality**

**Introduction of USDA Plenaries: Robert Bendick, The Nature Conservancy; Chair, PNLLC**

**Working Together: Secretary Tom Vilsack, US Dept. of Agriculture (by video)**

**Keynote Address: Deputy Secretary Krysta Harden, US Department of Agriculture**

Roundtable: From National Leadership to Regional Coordination and Local Implementation

James Levitt, (moderator)

Elizabeth Rooks-Barber, Partnership Coordinator, Land Trust Alliance

James W Hourdequin, Managing Director, Lyme Timber Company

Lynetta Usher Griner, Usher Land & Timber Company

Greg Wathen, Gulf Coastal Plains and Ozarks LCC

10:00 AM-10:20 AM – Break

## 10:20 AM-11:50 AM – Concurrent Sessions A

### Session A01 - Meridian B

**Anne Bartuszevige (Chair)**, *Playa Lakes Joint Venture*; **John Tirpak (Chair)**, *US Fish and Wildlife Service*

**Allison Vogt (Moderator)**, *Association of Fish and Wildlife Agencies*

#### **A Symposium to Advance the Integration of Remote Sensing Technology into Habitat Conservation Planning Tools**

10:20 AM - 10:45 AM

001 Tracking Net Landscape Change: Needs, Opportunities, and Challenges from Joint Venture and Landscape Conservation Cooperative Perspectives

**Anne Bartuszevige**, *Playa Lakes Joint Venture*; **John Tirpak**, *US Fish and Wildlife Service*;

10:45 AM - 11:10 AM

002 Overview of remote sensing tools and technology through a conservation lens

**Mark Parr**, *Gulf Coast Joint Venture*; **Duane Pool**, *Rocky Mountain Bird Observatory*

### Session A02 - Polaris A

**Karen Murphy (Chair)**, *Western Alaska LCC*

**Wendy Francis (Moderator)**, *Yellowstone to Yukon Conservation Initiative*

#### **Large Landscape Conservation: Resiliency and the Meaning of Ecosystem Intactness**

10:20 AM - 10:40 AM

003 Dilemma of the North: Managing Land that is "Pristine" and Changing Fast

**Karen Murphy**, *Western Alaska LCC*; **Charla Sterne**, *US Fish and Wildlife Service*; **Amanda Robertson**, *Northwest Boreal LCC*

10:40 AM - 11:00 AM

004 Intactness in Oceanic and Island Systems

**Jeff Burgett**, *Pacific Islands Climate Change Cooperative*

11:00 AM - 11:20 AM

005 A model for measuring and achieving Landscape Integrity: the Great Northern LCC

**Yvette Converse**, *Great Northern LCC*; **Mary McFadzen**, *Great Northern LCC and MSU*, **Tom Olliff**, *Great Northern LCC and National Park Service*; **Sean Finn**, *Great Northern LCC*; **Matt Heller**, *Great Northern LCC*

11:20 AM - 11:40 AM

006 Climate change and shifting ecosystems: consequences for maintaining or creating intactness

**Steve Gray**, *US Geological Survey*;

### Session A03 - Hemisphere B

**Brenda Barrett (Chair)**, *Living Landscape Observer*

#### **Development of the Indigenous Cultural Landscape Concept in the Chesapeake**

10:20 AM - 10:40 AM

007 Origins of the Indigenous Cultural Landscape Concept in the Chesapeake Watershed

**Deanna Beacham**, *National Park Service*

10:40 AM - 11:00 AM

008 Development of the Indigenous Cultural Landscape Concept in the Chesapeake  
**Suzanne Copping**, *National Park Service*

11:00 AM - 11:20 AM

009 Crafting a Methodology for Identifying Indigenous Cultural Landscapes  
**Kristin Sullivan**, *Salisbury University*

#### **Session A04 - Meridian C**

**Aimee Roberson (Chair)**, *Desert Landscape Conservation Cooperative*

**Andrew Milliken (Moderator)**, *North Atlantic Landscape Conservation Cooperative*

#### **Landscape Conservation Design: Conserving Sustainable Landscapes to Maintain Ecosystem Functions and Services for People and Wildlife - A**

10:20 AM - 10:25 AM

010 Landscape Conservation Design: Conserving Sustainable Landscapes to Maintain Ecosystem Functions and Services for People and Wildlife

**Aimee Roberson**, *Desert Landscape Conservation Cooperative*

10:25 AM - 10:35 AM

011 Landscape Conservation Cooperatives & Landscape Conservation Design

**Elsa Haubold**, *Landscape Conservation Cooperatives*

10:35 AM - 10:50 AM

012 Landscape Conservation Design: Conserving Sustainable Landscapes by Design

**Rob Campellone**, *US Fish and Wildlife Service*

10:50 AM - 11:10 AM

013 The Southeast Conservation Adaptation Strategy – A Regional Initiative for Sustaining Fish and Wildlife in the 21st Century

**Greg Wathen**, *Gulf Coastal Plains & Ozarks LCC*

11:10 AM - 11:30 AM

014 Landscape Conservation Design: Pilot Project for the Great Plains Landscape Conservation Cooperative

**James Broska**, *Great Plains Landscape Conservation Cooperative*

11:30 AM - 11:50 AM

015 Landscape Conservation Design in the Columbia Plateau

**Tom Miewald**, *North Pacific Landscape Conservation Cooperative*

#### **Session A05 - Horizon B**

**Will Allen (Chair)**, *The Conservation Fund*

#### **Framing an Agenda for Metropolitan and Landscape Conservation**

10:20 AM - 10:40 AM

016 Framing an Agenda for Metropolitan and Landscape Conservation - 1

**Will Allen**, *The Conservation Fund*

10:40 AM - 11:00 AM

017 Framing an Agenda for Metropolitan and Landscape Conservation - 2

**Bruce Roll**, *Clean Water Service /Intertwine Alliance*

11:00 AM - 11:20 AM

018 Framing an Agenda for Metropolitan and Landscape Conservation - 3  
**Arnold Randall**, *Chicago Wilderness*

11:20 AM - 11:40 AM

019 Framing an Agenda for Metropolitan and Landscape Conservation - 4  
**Claire Robinson**, *Amigos de los Rios*

### **Session A06 - Polaris B**

**Davia Palmeri (Chair)**, *Association of Fish and Wildlife Agencies*

#### **Climate Adaptation for Large Landscapes**

10:20 AM - 10:40 AM

020 Climate Modeling and Species Vulnerability Assessment  
**Chris Burkett**, *Virginia Department of Game and Inland Fisheries*

10:40 AM - 11:00 AM

021 Protecting Coldwater Fish from Climate Change: Building Resilience in Deep Lakes using a Landscape Approach  
**Peter Jacobson**, *Minnesota Department of Natural Resources*

11:00 AM - 11:20 AM

022 The Yakima River Basin Integrated Plan  
**Cynthia Wilkerson**, *Washington Department of Fish and Wildlife*

11:20 AM - 11:40 AM

023 Large Landscape Conservation in California: Policy Context, Implementation and Lessons for Other Regions  
**Steve Frisch**, *Sierra Business Council*; **Adam Livingston**, *Sequoia Riverlands Trust*

### **Session A07- Oceanic B**

**Bill Potapchuk (Chair)**, *Community Building Institute*

#### **Collaboration, Communication and Facilitation: How Good Process Propels Large Landscape Partnerships Forward**

10:20 AM - 10:40 AM

024 The Role of Universities in Supporting Large Landscape Conservation  
**Shawn Johnson**, *University of Montana*

10:40 AM - 11:00 AM

025 How Federal Agencies Can Play Key Roles in Nurturing Collaboration  
**Jonathan Doherty**, *National Park Service*

11:00 AM - 11:20 AM

026 The Importance of Intentional Design  
**Bill Potapchuk**, *Community Building Institute*

11:20 AM - 11:40 AM

027 Implications for Collaborative Capacity-building Strategies  
**Marci DuPraw**, *Sacramento State*



## **Session A08 - Polaris C**

**Alison Paul (Chair)**, *The Field Museum*

### **Successes and Challenges in Creating the Next Generation of Conservation Leaders**

10:20 AM - 10:40 AM

028 Lessons from the Chicago Wilderness Next Generation Working Group

**Alison Paul**, *The Field Museum*

10:40 AM - 11:00 AM

029 Training a Diverse Next Generation of Conservation Professionals

**Carina Ruiz**, *Student Conservation Association*

11:00 AM - 11:20 AM

030 Engaging Youth in Nature Through Urban Environmental Science

**David Bild**, *Chicago Academy of Sciences*; **Alison Paul**, *The Field Museum*

11:20 AM - 11:40 AM

031 The Power of Partnerships: How Schools and Stewardship go Hand in Hand

**Laura Milkert**, *The Field Museum*

## **Session A09 - Horizon A**

**Lisa Hayes (Chair)**, *Accokeek Foundation*

### **Weaving the Story of a Significant Landscape**

10:20 AM - 10:40 AM

032 The Piscataway Cultural Landscape Initiative - a portal for building connections through large landscape

**Lisa Hayes**, *Accokeek Foundation*

10:40 AM - 11:00 AM

033 Endangered Indigenous Landscapes

**Virginia Busby**, *Maryland Commission on Indian Affairs*

11:00 AM - 11:20 AM

034 Narrative, Archaeology, and Indigenous Landscapes

**Julia King**, *St Mary's College of Maryland*

11:20 AM - 11:40 AM

035 The Maryland Indian Heritage Trail: A tool for large landscape conservation

**Rico Newman**, *Maryland Indian Tourism Association*

## **Session A10 - Amphitheater**

**Joel Clement (Chair)**, *US Department of the Interior*

### **Landscape-Scale Mitigation**

10:20 AM – 11:50 AM

036 Department of the Interior Mitigation Strategy

**Joel Clement**, *Department of Interior*; **Kit Muller**, *Bureau of Land Management*; **Kevin Gallagher**, *US Geological Survey*; **Larry Bright**, *US Fish & Wildlife Service*; **James Lyons**, *US Department of the Interior*; **Thomas Eason**, *Florida Fish and Wildlife Conservation Commission*

## Session A11 - Meridian D/E

**Sean Finn (Chair)**, *Great Northern LCC*, **Tim Kern (Moderator)**, *US Geological Survey*

### Integrated Data Analysis Networks Supporting Large Landscape Conservation

10:20 AM - 10:35 AM

037 The case for integration: Integrated Data Management Network and the ScienceBase - Data Basin example  
**Jim Strittholt**, *Conservation Biology Institute*; **Tim Kern**, *US Geological Survey*; **Brendan Ward**, *Conservation Biology Institute*; **Dell Long**, *US Geological Survey*

10:35 AM - 10:50 AM

038 Data Integration in Action -- Multiple LCCs and Partners working with Integrated Solutions  
**BJ Richardson**, *US Fish and Wildlife Service*; **Tom Miewald**, *US Fish and Wildlife Service*; **Lei Ann Wilson**, *US Geological Survey*; **Emily Fort**, *US Geological Survey*; **Rachel Gregg**, *EcoAdapt*; **Laura O'Gan**, *National Park Service*; **Amy Keister**, *US Fish and Wildlife Service*; **Jenn Jenkins**, *US Fish and Wildlife Service/Arctic LCC*; **Pat Lineback**, *US Fish and Wildlife Service*; **Janine Salwasser**, *Oregon State University*; **Tosha Comendant**, *Conservation Biology Institute*

10:50 AM - 11:05 AM

039 The IDMN Toolshed in Concept and Practice  
**Dell Long**, *US Geological Survey*; **Edward Laurent**, *Connecting Conservation*; **Brendan Ward**, *Conservation Biology Institute*; **Matt Heller**, *Great Northern LCC*; **Marc Rempel**, *Oregon State University*; **Dave Blodgett**, *US Geological Survey*; **Jocelyn Aycrigg**, *University of Idaho*

11:05 AM - 11:20 AM

040 Tracking and Evaluation: IDMN Project Tracking  
**Deanne DiPietro**, *PointBlue/CA LCC*; **Zhahai Stewart**, *PointBlue/CA LCC*; **Josh Bradley**, *US Fish and Wildlife Service/Arctic LCC*; **Matt Heller**, *Great Northern LCC*; **Lei Ann Wilson**, *US Geological Survey*; **Sean Finn**, *Great Northern LCC*; **Emily Fort**, *US Geological Survey*; **Sally Holl**, *US Geological Survey/Desert LCC*; **Tim Kern**, *US Geological Survey*

11:20 AM - 11:35 AM

041 Next Generation Data Integration Challenges  
**Tim Kern**, *US Geological Survey*; **Sean Finn**, *Great Northern LCC*; **Jim Strittholt**, *Conservation Biology Institute*; **Natalie Latysh**, *US Geological Survey*; **Lei Ann Wilson**, *US Geological Survey*

## Session A12 - Oceanic A

**Michael Gale (Chair)**, *US Fish and Wildlife Service*

### Using New Media for Overcoming the Implementation Bottleneck

10:20 AM - 10:40 AM

042 Experiences from the Caribbean  
**Kasey Jacobs**, *Caribbean Landscape Conservation Cooperative (LCC)*

10:40 AM - 11:00 AM

043 Experiences from Alaska  
**Brett Parks**, *US Fish and Wildlife Service*

11:00 AM - 11:20 AM

044 Experiences from California  
**Andrea Graffis**, *California Landscape Conservation Cooperative (LCC)*

11:20 AM - 11:40 AM

045 Griffin Groups: A Free Online Tool to Support Large Landscape Conservation  
**Edward Laurent**, *Connecting Conservation*

12:00 PM-1:15 PM

## **Session PL2 – THURSDAY LUNCHEON PLENARY – Atrium Hall**

**Introduction: Lynn Scarlett, The Nature Conservancy, Former Acting Secretary of the Interior**

**Keynote Address: United States Secretary of the Interior Sally Jewell**

1:15 PM-1:25 PM - Break

## **1:25 PM-2:55 PM - Concurrent Sessions B**

### **Session B13 - Meridian B**

**Anne Bartuszevige (Chair), Playa Lakes Joint Venture; John Tirpak (Chair), US Fish and Wildlife Service**

**Allison Vogt (Moderator), Association of Fish and Wildlife Agencies**

### **A Symposium to Advance the Integration of Remote Sensing Technology into Habitat Conservation Planning Tools - B**

1:25 PM - 2:10 PM

046 High Thematic Resolution Land Cover Mapping and Habitat Modeling: National Gap Analysis Program and LANDFIRE

**Alexa McKerrow, US Geological Survey; Frank Fay, US Forest Service; Edward Laurent, Connecting Conservation; Jim Smith, The Nature Conservancy**

2:10 PM - 2:55 PM

047 Using Landsat imagery to detect, monitor, and project net landscape change

**Ryan Reker, InuTeq – Contractor to US Geological Survey Earth Resources Observation and Science Center; Alisa Gallant, US Geological Survey; Terry Sohl, US Geological Survey**

### **Session B14 - Polaris A**

**Karen Murphy (Chair), Western Alaska LCC**

**Erika Rowland (Moderator), Wildlife Conservation Society**

### **Large Landscape Conservation: Resiliency and the Meaning of Ecosystem Intactness - B**

1:25 PM - 1:45 PM

048 Yellowstone to Yukon: Lessons Learned from 20 years of Conservation Efforts

**Wendy Francis, Yellowstone to Yukon Conservation Initiative**

1:45 PM - 2:05 PM

049 Approaches to conservation in largely intact systems: realizing the potential of the landscape matrix

**Fiona Schmiegelow, U Alberta; Steve Cumming, Laval University; Meg Krawchuk, Simon Fraser University; Shawn Leroux, Memorial University; Kim Lisgo, University of Alberta**

2:05 PM - 2:25 PM

050 Quantifying Intactness in Rapid Ecoregional Assessments: Tools and Lessons Learned

**E Jamie Trammell, University of Alaska Anchorage; Monica McTeague, U. of Alaska, Anchorage**

2:25 PM - 2:45 PM

051 Estimating landscape integrity: scale, trans-boundary, and validation issues  
**David Theobald**, *Conservation Science Partners*

### **Session B15 - Meridian C**

**Aimee Roberson (Chair)**, *Desert Landscape Conservation Cooperative*

**Rob Campellone (Moderator)**, *US Fish and Wildlife Service*

#### **Landscape Conservation Design: Conserving Sustainable Landscapes to Maintain Ecosystem Functions and Services for People and Wildlife - B**

1:25 PM - 1:45 PM

052 Mississippi River Basin/Gulf Hypoxia Landscape Conservation Design  
**Gwen White**, *Eastern Tallgrass Prairie and Big Rivers Landscape Conservation Cooperative*

1:45 PM - 2:05 PM

053 The Ozark Highlands Comprehensive Conservation Strategy: Coordinating the Identification of Conservation Opportunity Areas through Partnership  
**John Tirpak**, *US Fish and Wildlife Service*

2:05 PM - 2:25 PM

054 Facilitating Conservation Planning and Design at Multiple Scales in the Northeast Region  
**Andrew Milliken**, *North Atlantic Landscape Conservation Cooperative*

2:25 PM - 2:45 PM

055 South Atlantic Conservation Blueprint 10: Closing the loop between planning and action  
**Rua Mordecai**, *South Atlantic Landscape Conservation Cooperative*

2:45 PM - 2:55 PM

056 Discussion Panel on Phases of Landscape Conservation Design  
**Andrew Milliken**, *North Atlantic Landscape Conservation Cooperative*

### **Session B16 - Oceanic A**

**Suzanne Copping (Chair)**, *National Park Service*

**Jeffrey Allenby (Moderator)**, *Chesapeake Conservancy*

#### **Digital Innovations for Supporting Large Landscape Conservation**

1:25 PM - 1:45 PM

057 Use of Landscape Chesapeake to Aggregate Watershed-wide Conservation Data and Priorities  
**Lori Scott**, *NatureServe*

1:45 PM - 2:05 PM

058 The Emerging Role of GIS in Precision Conservation  
**Jeffrey Allenby**, *Chesapeake Conservancy*

2:05 PM - 2:25 PM

059 3D LiDAR-based Modeling of Mount Vernon's Viewshed  
**Eric Benson**, *George Washington's Mount Vernon*

2:25 PM - 2:45 PM

060 Geospatial Approaches to Resource Mgmt. & Large Landscape Conservation at Washington College  
**Stewart Bruce**, *Washington College*; **John Seidel**, *Washington College*

## **Session B17 - Horizon A**

**Tom Daniels (Chair)**, *University of Pennsylvania*

### **Farmland Preservation in the Mid-Atlantic for Large Landscape Conservation**

1:25 PM - 1:45 PM

062 How Lancaster County, PA Preserved 100,000 Acres of Farmland

**Tom Daniels**, *University of Pennsylvania*

1:45 PM - 2:05 PM

063 Burlington County, NJ TDR programs with PDR for Large Landscape Conservation

**Susan Payne**, *State of New Jersey*

2:05 PM - 2:25 PM

064 Baltimore County, MD: Farmland Preservation and Zoning for Large Landscape Conservation

**Wallace Lippincott**, *Baltimore County*

2:25 PM - 2:45 PM

061 Large Landscape Conservation with Installment Purchase Agreements in Carroll County, Maryland

**Deborah Bowers**, *Carroll County, MD*

## **Session B18 - Horizon B**

**Will Allen (Chair)**, *The Conservation Fund*

### **Emerging Coalitions for Metropolitan & Landscape Conservation**

1:25 PM - 1:40 PM

065 Emerging Coalitions for Metropolitan & Landscape Conservation - 1

**Will Allen**, *The Conservation Fund*

1:40 PM - 1:55 PM

066 Emerging Coalitions for Metropolitan & Landscape Conservation - 2

**Jill Erickson**, *Heartlands Conservation Alliance*

1:55 PM - 2:10 PM

067 Emerging Coalitions for Metropolitan & Landscape Conservation - 3

**Genevieve LaRouche**, *US Fish and Wildlife Service*

2:10 PM - 2:25 PM

068 An "EPIC" Emerging Coalition for Metropolitan & Landscape Conservation

**Kristin Shaw**, *US Fish and Wildlife Service*

## **Session B19 - Oceanic B**

**Mark Wenzler (Chair)**, *National Parks Conservation Association*

**Thomas Lovejoy (Moderator)**, *George Mason University*

### **Politics & Parks: Protecting Our Cultural, Historic, and Natural Landscapes**

1:25 PM - 1:45 PM

070 Protecting the California Desert

**David Lamfrom**, *National Parks Conservation Association*

1:45 PM - 2:05 PM

071 Conserving the Chesapeake Landscape

**Joel Dunn**, *Chesapeake Conservancy*

2:05 PM - 2:25 PM

072 FracTracker: Innovation in Measuring the Impact of Natural Gas Drilling on Theodore Roosevelt National Park

**Brook Lenker**, *FracTracker Alliance*

2:25 PM - 2:45 PM

073 Revitalizing the Texas Gulf Coast: The Proposed Lone Star Coastal National Recreation Area

**Suzanne Dixon**, *National Parks Conservation Association*

## **Session B20 -Polaris B**

**Deanna Spooner (Chair)**, *Pacific Islands Climate Change Cooperative*

### **Climate Adaptation at the Landscape Scale: How LCCs are Meeting the Challenge**

1:25 PM - 1:45 PM

074 Climate vulnerability as a lens for focusing large-scale conservation planning in the Pacific Islands - 1

**Deanna Spooner**, *Pacific Islands Climate Change Cooperative*

1:45 PM - 2:05 PM

075 From Blue Water to Green Land: Facilitating Adaptation to Sea Level Rise and Changing Storm Surge Patterns - 1

**Amy Holman**, *NOAA*

2:05 PM - 2:25 PM

076 North-Central California Coast and Ocean Climate Adaptation Project

**Debra Schlafmann**, *California Landscape Conservation Cooperative*

2:25 PM - 2:45 PM

077 Science Planning for Climate Adaptation: What to do when you can't do it all

**Mary Mahaffy**, *North Pacific Landscape Conservation Cooperative*; **Frank Shipley**, *US Geological Survey*; **Karen Jenni**, *Insight Decisions*

## **Session B21 - Hemisphere B**

**Patrick Bixler (Chair)**, *Pinchot Institute for Conservation*

**Shawn Johnson (Moderator)**, *University of Montana*

### **From the Specific to the Generalizable: Tools and Techniques for Monitoring and Evaluating Large Landscape Conservation**

1:25 PM - 1:45 PM

078 Making it Count! Adapting Performance Evaluation to Network Governance in Large Landscape Conservation

**Patrick Bixler**, *Pinchot Institute for Conservation*

1:45 PM - 2:05 PM

079 Measuring Success: A Survey of Large Landscape Conservation Programs' Monitoring and Evaluation Practices

**Larry Fisher**, *University of Arizona*

2:05 PM - 2:25 PM

080 Landscape Management Demonstration Areas as an Approach to Monitoring Outcomes

**Peter Stine**, *USDA Forest Service*

2:25 PM - 2:45 PM

081 Creating a Tribal National Park: Barriers that Constrain and Mechanisms that Promote Landscape Scale Conservation

**Ashley Lovell**, *Colorado State University*

### **Session B22 - Polaris C**

**Abbi Wicklein-Bayne (Chair)**, *National Park Service*

#### **Laying the Foundation for Conservation: Engaging Youth in Stewardship**

1:25 PM - 1:45 PM

082 Living Legacy Tree Planting Project: Examining the Value of Conservation Through Service-Learning-Based Educational Programs

**Cate Magennis Wyatt**, *The Journey Through Hallowed Ground Partnership*

1:45 PM - 2:05 PM

083 Developing the Next Generations of Stewards for America's Founding River

**William Street**, *James River Association*

2:05 PM - 2:25 PM

084 Teacher Professional Developments: Providing Educators in the Chesapeake with the Tools to Inspire a New Generation of Stewards

**Drew McMullen**, *Sultana Projects, Inc.*

2:25 PM - 2:45 PM

086 Training for large, landscape-scale conservation: where are the gaps and how can we address them?

**Vicky Meretsky**, *Indiana University*

### **Session B23 - Amphitheater**

**Gregg Servheen (Chair)**, *Idaho Dept of Fish and Game*

#### **Landscape Data and Decisions: Informing Conservation and Development through a Network of Decision Support Tools across the Western United States**

1:25 PM - 1:45 PM

087 The Scientific Foundations of the WGA CHAT

**John Pierce**, *Washington Dept of Fish and Wildlife*; **Chet Van Dellen**, *Nevada Department of Wildlife*

1:45 PM - 2:05 PM

088 The CHAT data roll up

**Mike Houts**, *Kansas Biological Survey*

2:05 PM - 2:25 PM

089 CHAT web application development and capabilities

**Arthur Rodriguez**, *Oregon Department of Fish and Wildlife*

2:25 PM - 2:45 PM

090 CHAT development - Lessons Learned

**Laura Canaca**, *Arizona Game and Fish Department*

## Session B24 - Meridian D/E

**Kristie Maczko (Chair)**, *Sustainable Rangelands Roundtable - University of Wyoming*

### **Decision Support Tools and Information Management for Rangeland Resources – Wind Energy, Meat Production, Carbon Sequestration and Wildlife**

1:25 PM - 1:45 PM

091 Ranch-Level Economic Impacts of Altering Grazing Policies on Federal Land to Protect the Greater Sage-Grouse

**John Tanaka**, *University of Wyoming*; **Neil Rimbey**, *University of Idaho*; **L Allen Torell**, *New Mexico State University*

1:45 PM - 2:05 PM

092 Improved Management to Balance Production and Conservation in Great Plains Rangelands

**Maria Fernandez-Gimenez**, *Colorado State University*; **Justin Derner**, *USDA Agricultural Research Service*; **David Augustine**, *USDA Agricultural Research Service*

2:05 PM - 2:25 PM

093 Using the human footprint to measure ecological and socio-economic impacts of wind energy development

**Leticia Varelas**, *University of Wyoming*; **John Tanaka**, *University of Wyoming*; **Benjamin Rashford**, *University of Wyoming*; **John Ritten**, *University of Wyoming*

2:25 PM - 2:45 PM

Panel Discussion

**2:55 PM-3:15 PM - BREAK**

## **3:15 PM-4:45 PM - Concurrent Sessions C**

### **Session C25 – Hemisphere A**

**Will Allen (Chair)**, *The Conservation Fund*, **Ole Amundsen (Moderator)**, *The Conservation Fund*

#### **Conservation Vision for the Gulf Coast**

3:15 PM - 3:35 PM

094 A Land Conservation Vision for the Gulf of Mexico Region - 1

**Erin Heskett**, *Land Trust Alliance*

3:35 PM - 3:55 PM

095 A Land Conservation Vision for the Gulf of Mexico Region - 2

**Ole Amundsen**, *The Conservation Fund*

3:55 PM - 4:15 PM

096 A Land Conservation Vision for the Gulf of Mexico Region - 3

**Bob Bendick**, *The Nature Conservancy*

### **Session C26 - Meridian B**

**Anne Bartuszevige (Chair)**, *Playa Lakes Joint Venture*; **John Tirpak (Chair)**, *US Fish and Wildlife Service*

**Allison Vogt (Moderator)**, *Association of Fish and Wildlife Agencies*



## **A Symposium to Advance the Integration of Remote Sensing Technology into Habitat Conservation Planning Tools - C**

3:15 PM - 4:00 PM

097 Using unclassified remote-sensing imagery to produce species distribution models for addressing management-relevant challenges associated with landscape change

**John Alexander**, *Klamath Bird Observatory*; **Matthew Betts**, *Oregon State University*; **Katherine Halstead**, *Klamath Bird Observatory/ Oregon State University*; **Zhiqiang Yang**, *Oregon State University*; **Susan Shirley**, *Oregon State University*

### **Session C27 - Polaris A**

**Karen Murphy (Chair)**, *Western Alaska LCC*

**Cindi Jacobson (Moderator)**, *US Fish & Wildlife Service*

### **Large Landscape Conservation: Resiliency and the Meaning of Ecosystem Intactness - C**

3:15 PM - 3:35 PM

098 Lessons from considering climate change adaptation along a gradient of intactness across North America

**Erika Rowland**, *Wildlife Conservation Society*; **Molly Cross**, *Wildlife Conservation Society*

3:35 PM - 3:55 PM

099 A Manager's Perspective on the Role of Ecosystem Intactness in Conservation

**Karen Kelleher**, *Bureau of Land Management*

3:55 PM - 4:15 PM

100 Session Summary and Beginning of Panel Discussion: What have we learned about the meaning of Intact Ecosystems and Resiliency?

**Joel Reynolds**, *Western Alaska LCC*

4:15 PM - 4:35 PM

101 Dialog about Ecosystem Intactness and Resiliency - Panel Discussion Continued

**Karen Murphy**, *Western Alaska LCC*; **Joel Reynolds**, *Western Alaska LCC*; **Jeff Burgett**, *Pacific Islands Climate Change Cooperative*; **Yvette Converse**, *Great Northern LCC*; **Steve Gray**, *US Geological Survey*; **Wendy Francis**, *Yellowstone to Yukon Conservation Initiative*; **Jamie Trammell**, *University of Alaska Anchorage*; **David Theobald**, *Conservation Science Partners*; **Erika Rowland**, *Wildlife Conservation Society*; **Karen Kelleher**, *Bureau of Land Management*; **Fiona Schmiegelow**, *U Alberta*

### **Session C28 - Meridian C**

**Aimee Roberson (Chair)**, *Desert Landscape Conservation Cooperative*

### **Landscape Conservation Design: Conserving Sustainable Landscapes to Maintain Ecosystem Functions and Services for People and Wildlife - C: Special considerations for Marine Archipelagos: Toward Effective Solutions**

3:15 PM - 3:30 PM

102 A proposal for a comprehensive landscape conservation design paradigm to integrate features of islands and continents

**Laura Brewington**, *East-West Center*

3:30 PM - 3:45 PM

103 Building political corridors and maintaining ecological sustainability: a framework for international landscape conservation design in the Caribbean

**Brent Murry**, *Caribbean Landscape Conservation Cooperative*

3:45 PM - 4:00 PM

104 Addressing Climate Vulnerabilities in the Aleutian and Bering Sea Islands

**Aaron Poe**, *Aleutian and Bering Sea Islands Landscape Conservation Cooperative*

4:00 PM - 4:15 PM

105 Unity from diversity? Conservation design in the Pacific Islands.

**Jeff Burgett**, *Pacific Islands Climate Change Cooperative*

4:15 PM - 4:45 PM

106 Discussion Panel on Landscape Conservation Designs in Marine Archipelagos

**Aimee Roberson**, *Desert Landscape Conservation Cooperative*; **Jeff Burgett**, *Pacific Islands Climate Change Cooperative*

### **Session C29 - Polaris B**

**Greg Wathen (Chair)**, *Gulf Coastal Plains & Ozarks LCC*

#### **Climate Change and Climate Smart Conservation Strategies – Special Session**

3:15 PM - 3:35 PM

107 Assessing climate change vulnerability using demographically informed species distribution models

**Lisa McCauley**, *University of Wisconsin*; **Benjamin Zuckerberg**, *University of Wisconsin*; **Christine Ribic**, *US Geological Survey, Wisconsin Cooperative Wildlife Research Unit*

3:35 PM - 3:55 PM

108 AdaptWest: a new spatial database to support landscape planning for climate resilience

**Carlos Carroll**, *KCCR*

3:55 PM - 4:15 PM

109 Climate Action Through Conservation

**Michelle Passero**, *The Nature Conservancy*; **Dick Cameron**, *The Nature Conservancy*

4:15 PM - 4:35 PM

110 Modeling Impacts of Climate Change on Regional Landscapes and Populations

**Thomas Bonnot**, *University of Missouri/Northeast Climate Science Center*; **Frank Thompson**, *U S Forest Service*; **Joshua Millspaugh**, *University of Missouri*; **John Tirpak**, *US Fish and Wildlife Service*

### **Session C30 - Meridian D/E**

**Gregg Servheen (Chair)**, *Idaho Dept of Fish and Game*

#### **Landscape Scale Customer Service - Applications of WGA CHAT and the western network of CHATs**

3:15 PM - 4:45 PM

111 Landscape Scale Customer Service - Applications of WGA CHAT and the western network of CHATs

**Gregg Servheen**, *Idaho Dept of Fish and Game*; **Sue Rodman**, *Alaska Department of Fish and Game*; **Bill Van Pelt**, *Arizona Game and Fish Department*; **Robert Veldman**, *Noble Energy*; **Sean Finn**, *Great Northern LCC*

### **Session C31 - Oceanic A**

**Christopher Galik (Chair)**, *Duke University*

#### **Lessons in Forging Innovative Partnerships**

3:15 PM - 3:35 PM

112 Innovative Partnerships: Trends and Opportunities

**Christopher Galik**, *Duke University*

3:35 PM - 3:55 PM

113 The Role of Large Landowners in Conservation Partnerships  
**David Wolfe**, *EDF*

3:55 PM - 4:15 PM

114 Multi-Stakeholder Conservation and the Sentinel Landscapes Pilot Project  
**William Ross**, *Brooks, Pierce, McLendon, Humphrey & Leonard, LLP*  
*Duke University*

4:15 PM - 4:35 PM

115 Lessons-learned from the Longleaf Stewardship Fund  
**Amanda Bassow**, *National Fish and Wildlife Foundation*

### **Session C32 - Horizon B**

**Abigail Derby Lewis (Chair)**, *The Field Museum*

**John Rogner (Moderator)**, *Coordinator, Upper Midwest and Great Lakes Landscape Conservation Cooperative*  
*US Fish and Wildlife Service*

#### **Why urban conservation (really) matters: translating plans into meaningful action in the Chicago Wilderness region**

3:15 PM - 3:35 PM

116 Re-establishing nature in a vacant lot mindset  
**Nancy Williamson**, *Illinois Department of Natural Resources*; **Mark Bouman**, *The Field Museum*

3:35 PM - 3:55 PM

117 Translating climate science into urban conservation action  
**Abigail Derby Lewis**, *The Field Museum*

3:55 PM - 4:15 PM

118 Modeling regional-scale urban forest composition, canopy structure, and benefits to support green infrastructure planning, oak ecosystem recovery, and climate adaptation  
**Robert Fahey**, *The Morton Arboretum*

4:15 PM - 4:35 PM

119 Establishing Hackmatack National Wildlife Refuge in a metropolitan region from the ground up  
**Lenore Beyer-Clow**, *Openlands*; **Ed Collins**, *McHenry County Conservation District*

### **Session C33 - Horizon A**

**Joel Dunn (Chair)**, *Chesapeake Conservancy*

#### **Collaboration Among Landscape Partners Across a Wide Region -- the Chesapeake Watershed**

3:15 PM - 3:35 PM

120 The Chesapeake's Conservation Legacy  
**Joe Gill**, *Maryland Department of Natural Resources*

3:35 PM - 3:55 PM

121 Convening Collaboration: The Evolving Role of the National Park Service  
**Chuck Hunt**, *National Park Service*

3:55 PM - 4:15 PM

122 Interconnected Ecological Values of the Chesapeake  
**Joseph McCauley**, *US Fish & Wildlife Service*

4:15 PM - 4:35 PM  
123 The Rationale for Collaboration at Even Greater Scales  
**Christopher Miller**, *Piedmont Environmental Council*

### **Session C34 - Polaris C**

**Lauren Imgrund (Chair)**, *Pennsylvania Department of Conservation and Natural Resources*

#### **Pennsylvania's Conservation Landscapes: A Pioneering Model for Large Landscape Conservation and Community Revitalization**

3:15 PM - 3:35 PM  
124 Implementing Large Landscape Conservation: Crafting and Launching Pennsylvania's Conservation Landscape Program  
**Lauren Imgrund**, *Pennsylvania Department of Conservation and Natural Resources*

3:35 PM - 3:55 PM  
125 The Pennsylvania Wilds – Strategic Investments Paying Dividends for Rural Communities  
**Meredith Hill**, *Pennsylvania Department of Conservation and Natural Resources*

3:55 PM - 4:15 PM  
126 Public-Private Partnerships in Large Landscape Conservation: Insights and lessons learned from engaging with utilities in the Susquehanna Riverlands  
**Kate Gonick**, *Lancaster Conservancy*

4:15 PM - 4:35 PM  
127 The South Mountain Partnership – Exploring the Process of Implementing Collaborative Landscape-Scale Conservation  
**Jonathan Peterson**, *Appalachian Trail Conservancy*

### **Session C35 - Oceanic B**

**Gwen White (Chair)**, *Eastern Tallgrass Prairie and Big Rivers Landscape Conservation Cooperative*

#### **Managing Projects for Successful Outcomes - Special Session 1**

3:15 PM - 3:35 PM  
128 The Wyoming Landscape Conservation Initiative: An Approach to Landscape Scale Conservation in Southwest Wyoming  
**Jim Was seen**, *Wyoming Game and Fish Department*; **Justin Caudill**, *Wyoming Department of Agriculture*

3:35 PM - 3:55 PM  
129 The Adirondack Park: From Contested Landscape to Partnership Landscape  
**Paul Bray**, *PMBray LLC*

3:55 PM - 4:15 PM  
130 Managing for Results: Lessons from USAID's Investments in Large Landscape Conservation in Central Africa  
**Elizabeth Lauck**, *Environmental Incentives*; **Shelly Hicks**, *Measuring Impact*

4:15 PM - 4:35 PM  
131 Methods for Supporting Mitigation at a Large Landscape Scale  
**Shara Howie**, *NatureServe*

### **Session C36 - Hemisphere B**

**Ben Thatcher (Chair)**, *LCC Network / US Fish and Wildlife Service*

## Measuring Outcomes and Evaluating Performance -- Special Session

3:15 PM - 3:35 PM

132 Establishing a scalable approach for understanding landowner engagement opportunities  
**Robert Grala**, *Mississippi State University*; **Lydia Olander**, *Duke University*; **Jason Gordon**,  
*Mississippi State University*; **Christopher Galik**, *Duke University*

3:35 PM - 3:55 PM

133 Lessons from Previous Efforts to Organize Large Landscape Scale Conservation  
**David Johns**, *Portland State University*; **Charles Chester**, *Tufts University*

3:55 PM - 4:15 PM

134 Conservation Planning & Mitigation for Greater Sage-Grouse and Other Species Sensitive to Indirect Effects  
**Jeremy Sokulsky**, *Environmental Incentives*

4:15 PM - 4:35 PM

135 A science-based decision support tool for land acquisition in the National Wildlife Refuge System  
**Kathleen Fleming**, *US Fish and Wildlife Service*; **Keenan Adams**, *US Fish and Wildlife Service*; **Sean Fields**, *US Fish and Wildlife Service*; **Ken Fowler**, *US Fish and Wildlife Service*

5:00 PM-5:30 PM

## Session PL3 – THURSDAY AFTERNOON PLENARY – Atrium Hall

**Introduction: Elsa Haubold, National LCC Coordinator/USFWS**

**Plenary Session: Large Landscape Conservation -- Who Really Gets It?**

- **Jim Geringer, Former Wyoming Governor; Director Esri**
- **Cynthia Dohner, Southeast Regional Director, US Fish & Wildlife Service**

5:30 PM-7:00 PM

**Atrium Hall - Poster Session & Evening Reception:** *Authors will attend their posters from 6:00 – 7:00 pm*

P01 PICCC in Action - Working Across Landscapes and Seascapes in the Pacific  
**Jeff Burgett**, *Pacific Islands Climate Change Cooperative*

P02 Griffin Groups: An overview of features for large landscape communications  
**Edward Laurent**, *Connecting Conservation*

P03 GreenLinks: A Tool To Better Integrate Transportation and Landscape-Level Conservation Planning  
**Mary Mittiga**, *US Fish and Wildlife Service*; **Tom Hctor**, *University of Florida*

P04 National Park Service is "Scaling Up" its Large Landscape Efforts  
**Kassandra Hardy**, *Scaling Up Team Lead*

P05 Object-based Forest Classification to Facilitate Landscape-Scale Conservation  
**Michael Mitchell**, *Ducks Unlimited, Inc*; **Randy Wilson**, *US Fish and Wildlife Service*; **Daniel Twedt**,  
*US Geological Survey, Patuxent Wildlife Research Center*; **Anne Mini**, *Lower Mississippi Valley Joint Venture*; **Dale James**, *Ducks Unlimited, Inc*

P06 Scaling Up: Large Landscape Conservation Action Through Locally Led Planning & Partnerships  
**Kimberly Shafer**, *National Park Service*

P07 Crown of the Continent Ecosystem: The Crown Managers Partnership and Transboundary Collaborative Ecosystem Management  
**Mary Riddle**, *Glacier National Park*

- P08 Powerful Tools, Meaningful Involvement: Continuing the Discussion  
**Brendan Boepple**, *Colorado College*; **Samuel Williams**, *Colorado College*; 5:30 PM - 7:00 PM
- P09 Building a Dark Sky Cooperative across the Colorado Plateau  
**Chad Moore**, *National Park Service*; **Dan Duriscoe**, *National Park Service*
- P10 A Largely Intact Ecosystem in Alaska: Key Results from the Yukon Kuskokwim Rapid Ecoregional Assessment  
**Monica McTeague**, *University of Alaska, Anchorage*; **E Jamie Trammell**, *University of Alaska Anchorage*
- P11 Introduction to the Bureau of Land Management's Landscape Approach to Multi-Scale Natural Resource Decisions  
**Kit Muller**, *Bureau of Land Management*; **Karen Prentice**, *Bureau of Land Management*
- P12 Future Directions of Usable Science for Rangeland Sustainability  
**Kristie Maczko**, *Sustainable Rangelands Roundtable - University of Wyoming*; **Chad Ellis**, *The Samuel Roberts Noble Foundatio*; **John Tanaka**, *University of Wyoming*; **Lori Hidinger**, *Arizona State University*
- P13 Environmental Protection Agency's Healthy Watersheds Program  
**Laura Gabanski**, *US Environmental Protection Agency*
- P14 Landscape Conservation Cooperatives (LCC) Council  
**Michael Gale**, *US Fish and Wildlife Service*; **Elsa Haubold**, *Landscape Conservation Cooperatives*
- P15 How are Tribes and First Nations Engaging with the North Pacific Landscape Conservation Cooperative?  
**Mary Mahaffy**, *North Pacific Landscape Conservation Cooperative*
- P16 Systematic identification of potential conservation priority areas on roadless Bureau of Land Management lands in the western United States  
**Brett Dickson**, *Conservation Science Partners*; **Ken Rait**, *The Pew Charitable Trusts*; **Luke Zachmann**, *Conservation Science Partners*; **Christine Albano**, *UC-Davis*; **Leslie Duncan**, *The Pew Charitable Trusts*
- P17 Setting and implementing regional strategies for landscape-scale invasive plant management  
**Elizabeth Brusati**, *California Invasive Plant Council*; **Dana Morawitz**, *California Invasive Plant Council*; **Doug Johnson**, *California Invasive Plant Council*
- P18 Shaping the Future of the South Atlantic Region with the Conservation Blueprint  
**Hilary Morris**, *South Atlantic Landscape Conservation Cooperative*
- P19 Climate Change Refugia as a Tool for Climate Adaptation  
**Toni Lyn Morelli**, *University of Massachusetts/Northeast Climate Science Center*
- P20 The Staying Connected Initiative - Science To Action Across Scales  
**Phil Huffman**, *The Nature Conservancy - Vermont Chapter*; **Jens Hilke**, *Vermont Fish & Wildlife Department*; **Chris Hilke**, *National Wildlife Federation*
- P21 Heart of the Rockies Initiative: Building landscape-scale success from local, community-grounded conservation  
**Michael Whitfield**, *Heart of the Rockies Initiative*; **JoAnn Grant**, *Heart of the Rockies Initiative*; **Bray J Beltrán**, *Heart of the Rockies Initiative*
- P22 Translating Climate-Smart Conservation Lesson Learned Across the California LCC  
**Andrea Graffis**, *California Landscape Conservation Cooperative (LCC)*
- P23 Visualizing Climate Change Scenarios for Landscape-scale Conservation Planning in Florida  
**Mark McKelvy**, *US Geological Survey*; **Stephanie Romanach**, *US Geological Survey*; **Craig Conzelmann**, *US Geological Survey*; **James Darcey**, *Five Rivers Services*
- P24 The North Pacific LCC Conservation Planning Atlas  
**Tom Miewald**, *North Pacific Landscape Conservation Cooperative*

- P25 Bureau of Land Management's National Conservation Lands: Protecting Large Landscapes  
**Matt Preston**, *Bureau of Land Management*
- P26 Landscape Conservation Design in the North Atlantic LCC: A Pilot Project in the Connecticut River Watershed  
**Maritza Mallek**, *North Atlantic Landscape Conservation Cooperative*; **Scott Schwenk**, *North Atlantic Landscape Conservation Cooperative*; **Andrew Milliken**, *North Atlantic Landscape Conservation Cooperative*
- P27 The California LCC Delivers Climate Adaptation Science to Land Managers  
**Deanne DiPietro**, *CA LCC/Point Blue Conservation Science*
- P28 Pooling knowledge to refine individual priorities: The Northeast Synthesis for State Wildlife Action Plans  
**Lori Pelech**, *North Atlantic LCC*; **Steve Fuller**, *North Atlantic LCC*
- P29 Assessing the State of Priority Terrestrial and Aquatic Systems in the Gulf Coastal Plains and Ozarks LCC  
**Kristine Evans**, *Gulf Coastal Plains and Ozarks LCC/Mississippi State University*; **Yvonne Allen**, *US Fish and Wildlife Service*; **Greg Wathen**, *Gulf Coastal Plains & Ozarks LCC*; **John Tirpak**, *US Fish and Wildlife Service*; **Todd Jones-Farrand**, *US Fish and Wildlife Service*; **Toby Gray**, *Gulf Coastal Plains and Ozarks LCC/Mississippi State University*
- P30 The Great Basin Native Plant Project - Making the Landscape Nexus Sustainable  
**Anne Halford**, *Bureau of Land Mgmt*; **Peggy Olwell**, *Bureau of Land Mgmt*; **Francis Kilkenny**, *USFS Rocky Mtn Research Station*
- P31 Landscape Conservation Cooperatives (LCC) Network  
**Elsa Haubold**, *Landscape Conservation Cooperatives*; **Ben Thatcher**, *LCC Network / US Fish and Wildlife Service*; **Michael Gale**, *US Fish and Wildlife Service*
- P32 Sagebrush Steppe Treatment Evaluation Project (SageSTEP): the Need for Long-term Monitoring  
**James McIver**, *Oregon State University*
- P33 LS2SRC: Landsat Scene to State and Regional Landscape Ecological Classification and Mapping  
**Qingmin Meng**, *Mississippi State University*; **Kristine Evans**, *Gulf Coastal Plains and Ozarks LCC /Mississippi State University*; **Loren Burger**, *Mississippi State University*
- P34 I-70 Wild Byway: Funding Ready Project Seeks Conservation Champion  
**Paige Singer**, *Rocky Mountain Wild*

**Friday, October 24, 2014**

Ronald Reagan Building, 1300 Pennsylvania Avenue, NW, Washington, DC

7:30 AM Registration Desk Opens

8:30 AM-10:00 AM

**Session PL4 – FRIDAY OPENING PLENARY – Amphitheater**

Call to Order – Douglas Austen, American Fisheries Society

Opening Comments – Sid Jameson, Haudenosaunee (Iroquois Confederacy)

**Introduction to Plenary Speaker: Joel Dunn, Chesapeake Conservancy**

**Plenary Address: Collin O'Mara, President & CEO, National Wildlife Federation**

Roundtable on Large Landscape Conservation in Metro Areas

Introductory Remarks - Gerald Adelman, President and CEO, Openlands

John Rogner, Coordinator, Upper Midwest and Great Lakes LCC (moderator)

Dr. Mamie A Parker, President, MA Parker & Associates

Arnold Randall, General Supt., Forest Preserve District of Cook County (Illinois); Chair, Chicago Wilderness

Michael Wetter, Executive Director, Intertwine Alliance and Coordinator, Metropolitan Greenspace Alliance

10:00 AM-10:20 AM – Break

**10:20 AM-11:50 AM - Concurrent Sessions D**

**Session D37 - Hemisphere A**

**Tosha Comendant (Chair)**, *Conservation Biology Institute*

**Integrated Landscape Conservation Cooperative Planning Atlases Powered by Data Basin: Building Collaborative Solutions**

10:20 AM - 11:20 AM

136 Integrated Landscape Conservation Cooperative (LCC) Planning Atlases Powered by Data Basin: Building Collaborative Solutions;

**Tosha Comendant**, *Conservation Biology Institute*; **Blair Tirpak**, *US Geological Survey*; **Amy Keister**, *US Fish and Wildlife Service*; **Kevin Johnson**, *US Fish and Wildlife Service*; **BJ Richardson**, *US Fish and Wildlife Service*; **Tom Miewald**, *US Fish and Wildlife Service*

11:20 AM - 11:50 AM

Breakout Discussions

**Session D38 - Meridian C**

**Aimee Roberson (Chair)**, *Desert Landscape Conservation Cooperative*

**James Broska (Moderator)**, *Great Plains Landscape Conservation Cooperative*

**Landscape Conservation Design: Conserving Sustainable Landscapes to Maintain Ecosystem Functions and Services for People and Wildlife - D: Transcending International Boundaries & A Review and Synthesis of Approaches Taken by Landscape Conservation Cooperatives in the East**



10:20 AM - 10:40 AM

142 The Big Bend-Rio Bravo Initiative: Trans-boundary Landscape Conservation in the Chihuahuan Desert  
**Dolores Wesson**, *Environmental Protection Agency*

10:40 AM - 11:00 AM

143 Climate-Smart Landscape Conservation Design  
**Aimee Roberson**, *Desert Landscape Conservation Cooperative*

11:00 AM - 11:20 AM

144 Designing an ecologically connected landscape in the Northwest Boreal Region of Alaska and Canada  
**John DeLapp**, *Northwest Boreal Landscape Conservation Cooperative*

11:20 AM - 11:40 AM

145 Landscape Conservation Design: A review and synthesis of approaches taken by LCCs in the east  
**Chadwick Rittenhouse**, *University of Connecticut*

11:40 AM - 11:50 AM

146 Discussion Panel on International Landscape Conservation Design  
**James Broska**, *Great Plains Landscape Conservation Cooperative*

### **Session D39 - Horizon A**

**Allen Sachse (Chair)**, *Alliance of National Heritage Areas*

#### **Industrial Landscapes and Canalways - National Heritage Areas**

10:20 AM - 10:40 AM

147 Industrial Parks: Linkages between Labor History and the Environmental Movement  
**Eleanor Mahoney**, *University of Washington*

10:40 AM - 11:00 AM

148 Labor and Environment in Rivers of Steel National Heritage Area  
**Augie Carlino**, *Rivers of Steel National Heritage Area*

11:00 AM - 11:20 AM

149 Planning for Recreation, Interpreting Industry in the Augusta Canal National Heritage Area  
**Dayton Sherrouse**, *Augusta Canal National Heritage Area*

11:20 AM - 11:40 AM

150 Building Trails and Partnerships in the Ohio & Erie NHC  
**Dan Rice**, *Ohio & Erie Canal*

### **Session D40 - Oceanic A**

**Ernie Shea (Chair)**, *Project Coordinator, Solutions from the Land Dialogue*

**Sara Scherr (Moderator)**, *President and CEO, EcoAgriculture Partners*; **Thomas Lovejoy (Moderator)**, *Co-Chair, Solutions From the Land*

#### **Integrating Ecosystem Conservation with Agricultural Production: Solutions from the Land and the Landscapes for People, Food and Nature Initiatives**

10:20 AM - 10:35 AM

151 Lessons learned from the Solutions from the Land Dialogue  
**Ernie Shea**, *Project Coordinator, Solutions from the Land Dialogue*

10:35 AM - 10:50 AM

152 Landscapes for People, Food and Nature  
**Seth Shames**, *EcoAgriculture Partners*

10:50 AM - 11:05 AM

153 Protecting Water with On-farm Conservation: The Indian Creek Watershed Project  
**Marcus Maier**, *Chairman, Livingston County Soil and Water Conservation District*

11:05 AM - 11:20 AM

154 • Public-Private Conservation Efforts in the Little Snake River Basin, Wyoming, USA  
**Pat O'Toole**, *President Family Farm Alliance*

11:20 AM - 11:35 AM

155 Turning Profit into Reforestation: Delaware Wild Lands' Atlantic White Cedar Restoration  
**Kate Hackett**, *Executive Director, Delaware Wild Lands*

### **Session D41 - Polaris B**

**Mary Mahaffy (Chair)**, *North Pacific Landscape Conservation Cooperative*

#### **Principles and Experiences Using TEKs in Large Landscape Conservation -A**

10:20 AM - 10:40 AM

156 Engagement of tribal and indigenous peoples in federal climate change initiatives  
**Gary Morishima**, *Quinault Indian Nation*

10:40 AM - 11:00 AM

157 Traditional Knowledges Guidelines: Free, Prior and Informed Consent (FPIC) and Risk and Opportunity Assessment for Engagement with TKs Holders  
**Preston Hardison**, *Tulalip Tribe*

11:00 AM - 11:20 AM

158 First Foods and Climate Change: A collaborative Project of the Confederated Tribes of the Umatilla Indian Reservation and the Umatilla National Forest  
**Eric Quaempts**, *Confederated Tribes of the Umatilla Indian Reservation*

11:20 AM - 11:40 AM

159 Klamath Basin Traditional Ecological Knowledge and Climate Change Science  
**Darcey Evans**, *Quartz Valley Indian Reservation*

### **Session D42 - Hemisphere B**

**Nora J Mitchell (Chair)**, *University of Vermont*

#### **Using evaluation to document outcomes and improve practice for regional landscape conservation**

10:20 AM - 10:25 AM

Introductory Remarks

10:25 AM - 10:40 AM

160 Managing for Landscape Scale Outcomes in the Essex National Heritage Area  
**Annie Harris**, *Essex National Heritage Area*

10:40 AM - 10:55 AM

161 Evaluation on a Landscape Scale: National Heritage Areas  
**Brenda Barrett**, *Living Landscape Observer*

10:55 AM - 11:10 AM

162 Engaging local communities in stewardship at landscape level: Lessons learned from an international initiative

**Jessica Brown**, *Executive Director, New England Biolabs Foundation*  
*Chair, Protected Landscapes Specialist Group*

11:10 AM - 11:25 AM

163 Staying Connected Initiative: Lessons learned from a bi-national conservation partnership

**Phil Huffman**, *The Nature Conservancy - Vermont Chapter*

11:25 AM - 11:35 AM

Concluding Remarks

### **Session D43 - Meridian D/E**

**Matthew Andersen (Chair)**, *US Geological Survey*

#### **The Multi-disciplinary Components of Landscape Mitigation - Western Landscapes**

10:20 AM - 10:40 AM

164 Landscape-scale research for effective conservation of the Greater Sage-grouse and its habitat

**Sue Phillips**, *US Geological Survey*

10:40 AM - 11:00 AM

165 Multi-disciplinary assessment of Wyoming resources to support management

**Zachary Bowen**, *US Geological Survey*

11:00 AM - 11:20 AM

166 US Geological Survey Science Support for Bureau of Land Management Rapid Ecoregional Assessments

**Natasha Carr**, *US Geological Survey*

11:20 AM - 11:40 AM

167 Climate change impacts on sagebrush-dominated landscapes: an ecohydrological perspective

**John Bradford**, *US Geological Survey*

### **Session D44 - Polaris C**

**Wynet Smith (Chair)**, *Canadian Boreal Forest Agreement*

#### **The Canadian Boreal Forest Agreement: A New Model for Conservation of Large Landscapes**

10:20 AM - 10:40 AM

168 CBFA: a new model of conservation collaboration

**Aran O'Carroll**, *Canadian Boreal Forest Agreement*

10:40 AM - 11:00 AM

169 The Forest Industry and the CBFA

**Mark Hubert**, *Forest Products Association of Canada*

11:00 AM - 11:20 AM

170 Environmental Groups and the CBFA

**Janet Sumner**, *Canadian Parks and Wilderness Society, Wildlands League*

11:20 AM - 11:40 AM

171 The role of science in the CBFA

**Fiona Schmiegelow**, *University of Alberta*

#### **Session D45 - Amphitheater**

**David Farren (Chair)**, *Gaylord and Dorothy Donnelley Foundation*

##### **Philanthropic Partner Approaches To Land Conservation**

10:20 AM - 10:40 AM

172 Philanthropic Partner Approaches To Land Conservation - 1

**Andrew Bowman**, *Doris Duke Charitable Foundation*

10:40 AM - 11:00 AM

173 Philanthropic Partner Approaches To Land Conservation - 2

**David Farren**, *Gaylord and Dorothy Donnelley Foundation*

11:00 AM - 11:20 AM

174 Philanthropic Partner Approaches To Land Conservation - 3

**David O'Neill**, *National Fish and Wildlife Foundation*

11:20 AM - 11:40 AM

175 Philanthropic Partner Approaches to Land Conservation

**Moira McDonald**, *Walton Family Foundation*

#### **Session D46 - Meridian B**

**Emily Bateson (Chair)**, *Highstead Foundation*

##### **The Wildlands and Woodlands Initiative: Conserving New England's Landscape through Innovation and Collaboration**

10:20 AM - 10:40 AM

176 From Vision to Large Landscape Conservation Action: the Wildlands and Woodlands Initiative in New England

**Emily Bateson**, *Highstead Foundation*

10:40 AM - 11:00 AM

177 Collaborating for Greater Local and Landscape-Level Conservation Success: Regional Conservation Partnerships in New England

**Bill Labich**, *Highstead Foundation*

11:00 AM - 11:20 AM

178 Forests, Farms, and the Future: The Pivotal Role of New England's Working Landscapes in the Long-Term Ecological Health and Economic Sustainability of the Region

**Bob Perschel**, *New England Forestry Foundation*

11:20 AM - 11:40 AM

179 Catalyzing Conservation Through Sophisticated Long-Term Future Scenarios Modeling in New England

**Kathy Fallon Lambert**, *Harvard Forest*

#### **Session D47 - Polaris A**

**Darren Long (Chair)**, *Wildlife Conservation Society*

##### **Linking project-level strategies for climate adaptation to landscape-scale conservation**

10:20 AM - 10:40 AM

180 An investor's perspective on climate adaptation  
**Darren Long**, *Wildlife Conservation Society*

10:40 AM - 11:00 AM

181 Overcoming climate uncertainty paralysis while working toward landscape adaptation  
**Chris Swanston**, *United States Forest Service*

11:00 AM - 11:20 AM

182 Taking Action to Address Climate Change Effects on Wildlife and Watersheds in Southwest Montana  
**Molly Cross**, *Wildlife Conservation Society*; **Erika Rowland**, *Wildlife Conservation Society*

11:20 AM - 11:40 AM

183 Translating partnerships for climate adaptation into national level policy change  
**Jad Daley**, *Trust for Public Land*

#### **Session D48 - Oceanic B**

**Shawn Johnson (Chair)**, *University of Montana*

#### **Roundtable on the Crown of the Continent: Connecting People to Sustain and Enhance Culture, Community, and Conservation**

10:20 AM - 10:40 AM

184 Building a Network of Networks  
**Mary Sexton**, *Roundtable on the Crown of the Continent*

10:40 AM - 11:00 AM

185 Adaptive Management in the Crown of the Continent  
**Melly Reuling**, *Center for Large Landscape Conservation*

11:00 AM - 11:20 AM

186 Communicating Success at the Large Landscape Scale  
**Susan Higgins**, *Center for Large Landscape Conservation*

11:20 AM - 11:40 AM

187 Building Capacity to Work Across Scales and Sectors  
**Carole Stark**, *Water Matters Society of Alberta*

#### **Session D49 - Horizon B**

**Glen Salmon (Chair)**, *Eastern Tallgrass Prairie & Big Rivers LCC*

#### **Metro-Urban -- Special Session**

10:20 AM - 10:40 AM

188 Ecosystem Service Valuation in Metropolitan and Rural Landscapes  
**Theodore Weber**, *The Conservation Fund*

10:40 AM - 11:00 AM

189 100 Sites for 100 Years: Implementing a collaborative, long-term, large-scale, urban biodiversity research program in Chicago Wilderness  
**Lauren Umek**, *Chicago Botanic Garden*; **Liam Heneghan**, *DePaul University*; **David Wise**, *University of Illinois at Chicago*

11:00 AM - 11:20 AM

190 Urban and Suburban Conservation: What an Opportunity!  
**Naomi Edelson**, *National Wildlife Federation*

11:20 AM - 11:40 AM

191 Continental maps of noise exposure and its consequences for ecosystem function and human experience  
**Kurt Fristrup**, *National Park Service*

12:00 PM-1:15 PM

### **Session PL5 – FRIDAY LUNCHEON PLENARY – Atrium Hall**

***Special Recognitions: Steve Guertin, USFWS Deputy Director for Policy***

***Introduction of Plenary Speaker: James Levitt, Lincoln Institute & Harvard Forest***

***Plenary Address: John Conger, Acting Deputy Under Secretary of Defense for Installations and Environment***

1:15 PM-1:25 PM Break

### **1:25 PM-2:55 PM – Concurrent Sessions E**

#### **Session E50 - Oceanic B**

**Elizabeth O'Donoghue (Chair)**, *The Nature Conservancy*

#### **Leveraging Mitigation to Achieve Large Scale Conservation**

1:25 PM - 1:45 PM

192 Leveraging Mitigation to Achieve Large Scale Conservation - 1  
**Elizabeth O'Donoghue**, *The Nature Conservancy*

1:45 PM - 2:05 PM

193 Leveraging Mitigation to Achieve Large Scale Conservation - 2  
**Ann Hayden**, *Environmental Defense Fund*

2:05 PM - 2:25 PM

194 Leveraging Mitigation to Achieve Large Scale Conservation - 3  
**Charles Landry**, *Western Riverside County Regional Conservation Authority*

#### **Session E51 - Polaris B**

**Mary Mahaffy (Chair)**, *North Pacific Landscape Conservation Cooperative*

#### **Principles and Experiences Using TEKs in Large Landscape Conservation - B**

1:25 PM - 1:45 PM

195 Supporting Community-Based Adaptation in Ka'ūpūlehu, Hawai'i using Traditional and Local Ecological Knowledge  
**Stanton Enomoto**, *Pacific Islands Climate Change Cooperative*

1:45 PM - 2:05 PM

196 SE Alaska Native Perceptions of Change  
**Linda Kruger**, *USFS, Pacific Northwest Research Station*

2:05 PM - 2:25 PM  
197 7 Principles of Indigenous Cooperative Stewardship  
**Kyle Whyte**, *Michigan State University*

2:25 PM - 2:45 PM  
198 Panel Discussion Using TEK in Large Landscape Conservation  
**Mary Mahaffy**, *North Pacific Landscape Conservation Cooperative*

## **Session E52 - Meridian D/E**

**Matthew Andersen (Chair)**, *US Geological Survey*

### **The Multi-disciplinary Components of Landscape Mitigation - Multiple Partners**

1:25 PM - 1:45 PM  
199 Applying adaptive management to landscape scale management challenges  
**Lianne Ball**, *US Geological Survey*

1:45 PM - 2:05 PM  
200 Integrating landscape-scale science and management through regional collaboratives  
**Paul Seelbach**, *US Geological Survey*

2:05 PM - 2:25 PM  
201 Integrated natural resource research to support broad-scale conservation  
**Erik Beaver**, *US Geological Survey*

2:25 PM - 2:45 PM  
202 Landscape Ecology, Coastal Processes, and the Blue Economy in the Laurentian Great Lakes  
**Jeff Schaeffer**, *US Geological Survey*

## **Session E53 - Oceanic A**

**Carol Williams (Chair)**, *University of Wisconsin*

### **Native Grasslands and Commerce: How Agroecology, Industry, Dedicated Conservation Lands, and Regional Coordination Combine for Meeting Large Landscape Conservation Goals**

1:25 PM - 1:45 PM  
203 Agroecology that Harnesses the Power of Prairie to Achieve Landscape Conservation Goals  
**Lisa Schulte Moore**, *Iowa State University*; **Matt Helmers**, *Iowa State University*; **J Arbuckle**, *Iowa State University*; **Pauline Drobney**, *US Fish and Wildlife Service*; **Mary Harris**, *Iowa State University*; **Matt Liebman**, *Iowa State University*; **Randall Kolka**, *US Forest Service*; **Jeri Neal**, *Iowa State University*; **Matt O'Neal**, *Iowa State University*; **John Tyndall**, *Iowa State University*

1:45 PM - 2:05 PM  
204 Nature in Balance: Achieving Landscape Scale Prairie Conservation Through Value Innovation  
**Rudi Roeslein**, *Roeslein Alternative Energy, LLC*; **Tom Elgin**, *Roeslein Alternative Energy, LLC*

2:05 PM - 2:25 PM  
205 Haying of Public Conservation Lands for Habitat Management and Potential Use of Biomass in Commercial Contexts  
**Paul Charland**, *R3 Refuges, East Lansing Field Office*; **Carol Williams**, *University of Wisconsin*; **Jim Lutes**, *Leopold Wetland Management District, US Fish and Wildlife Service*

2:25 PM - 2:45 PM  
206 The Midwest Conservation Biomass Alliance: a Cross-sector Coalition for Regional Coordination of Native Grassland Biomass Promotion for Multiple Benefits in Large Landscape Conservation  
**Clarence Lehman**, *University of Minnesota*; **Carol Williams**, *University of Wisconsin*

## Session E54 - Polaris A

**Toni Lyn Morelli (Chair)**, *Northeast Climate Science Center/University of Massachusetts*

### The LCCs and CSCs: Working together to conserve landscapes in the face of climate change

1:25 PM - 1:45 PM

207 LCC-CSC Collaborations: Projects and Progress

**Toni Lyn Morelli**, *University of Massachusetts*

1:45 PM - 2:05 PM

208 LCC-CSC Coordination in the Northwestern US: Delivering Focused Science to Practitioners

**Todd Hopkins**, *US Fish and Wildlife Service/Great Basin LCC*; **Sean Finn**, *Great Northern LCC*; **Mary Mahaffy**, *North Pacific Landscape Conservation Cooperative*; **Gustavo Bisbal**, *US Geological Survey/Northwest CSC*; **Jeffrey Morissette**, *US Geological Survey/North Central CSC*; **Steve Gray**, *US Geological Survey*; **Nicole DeCrappeo**, *US Geological Survey/Northwest CSC*; **John Mankowski**, *North Pacific LCC*; **Yvette Converse**, *Great Northern LCC*; **Tom Oliff**, *Great Northern LCC*; **Linda Kelly**, *Great Basin LCC*

2:05 PM - 2:25 PM

209 Eastern Tallgrass Prairie and Big Rivers Landscape Conservation

**Glen Salmon**, *Eastern Tallgrass Prairie & Big Rivers LCC*

2:25 PM - 2:45 PM

210 SECSC support for development of a SE Conservation Adaptation Strategy (SECAS)

**Gerard McMahon**, *US Geological Survey*

## Session E55 - Amphitheater

**Stacy Small-Lorenz (Chair)**, *EDF*

### Emerging Markets for Landscape Scale Habitat Conservation

1:25 PM - 1:45 PM

211 Habitat Exchanges: Next Generation Mitigation

**David Wolfe**, *EDF*

1:45 PM - 2:05 PM

212 Quantifying Habitat Impacts and Offsets in Habitat Market Frameworks

**Kevin Halsey**, *Ecometrix Solutions Group*

2:05 PM - 2:25 PM

213 The Role of Habitat Markets in Landscape-Scale Species Conservation: A US Fish and Wildlife Service Perspective

**Shauna Ginger**, *US Fish and Wildlife Service*

2:25 PM - 2:45 PM

214 A Landowner Perspective on Habitat Exchanges: An Economically Sound Solution

**Terry Fankhauser**, *Colorado Cattlemen's Association*

## Session E56 - Meridian B

**Kassandra Hardy (Chair)**, *Scaling Up Team Lead*; **Elaine Leslie (Moderator)**, *National Park Service*

### A Real National Conservation Strategy

1:25 PM - 1:45 PM

215 Scaling Up National Park Service large landscape conservation work

**Raymond M Sauvajot**, *National Park Service*



1:45 PM - 2:05 PM

216 A Real National Conservation Strategy - 1  
**Joel Berger**, *Wildlife Conservation Society*

2:05 PM - 2:25 PM

217 A Real National Conservation Strategy - 2  
**Healy Hamilton**, *NatureServe*

2:25 PM - 2:45 PM

218 A Real National Conservation Strategy - 3  
**Jodi Hilty**, *Wildlife Conservation Society*

### **Session E57 - Hemisphere B**

**Daniel Odess (Chair)**, *National Park Service*

#### **Landscape-scale Approaches to the Management of Cultural Resources**

1:25 PM - 1:45 PM

219 The Department of Interior's Landscape-scale Approach to Managing Cultural Resources  
**Daniel Odess**, *National Park Service*

1:45 PM - 2:05 PM

220 Traditional Cultural Properties and Cultural Landscapes: Issues for Landscape-Scale Conservation and Preservation  
**Joe Watkins**, *National Park Service*

2:05 PM - 2:25 PM

221 National Heritage Areas and Large Landscape Conservation  
**Martha Raymond**, *National Park Service*

2:25 PM - 2:45 PM

222 Heritage Resources and the Bureau of Land Management's Landscape Approach  
**Kate Winthrop**, *Bureau of Land Management*

### **Session E58 - Horizon B**

**Susan Culp (Chair)**, *Sonoran Institute and the Lincoln Institute of Land Policy*

#### **Restoration in the Colorado River Delta: Minute 319 & the Impact of the March/April 2014 Pulse Flow**

1:25 PM - 1:45 PM

223 Minute 319 Restoration Results  
**Francisco Zamora**, *Sonoran Institute*

1:45 PM - 2:05 PM

224 Restoration flows to the Colorado River Delta: Monitoring the effects of a large landscape experiment  
**Karl Flessa**, *University of Arizona*; **The Delta Science Team**

2:05 PM - 2:25 PM

225 The Vegetation Response to Environmental Flow Deliveries and Restoration Actions in the Colorado River Delta  
**Karen Schlatter**, *Sonoran Institute/University of Colorado Boulder*

2:25 PM - 2:45 PM

226 Tracking the Pulse Flow and its Hydrological Impacts  
**Jorge Ramirez**, *Autonomous University of Baja California*

## **Session E59 - Meridian C**

**Kit Muller (Chair)**, *Bureau of Land Management*

### **A Landscape Approach to Multi-Scale Natural Resource Decisions**

1:25 PM - 1:45 PM

227 Challenges to Designing and Implementing a Landscape Approach

**Kit Muller**, *Bureau of Land Management*

1:45 PM - 2:05 PM

228 Introduction to Bureau of Land Management's Landscape Approach

**Matt Preston**, *Bureau of Land Management*

2:05 PM - 2:25 PM

229 The National Greater Sage-grouse Planning Strategy: In Interagency Application of the Landscape Approach

**Matt Magaletti**, *Bureau of Land Management*

2:25 PM - 2:45 PM

230 Healthy Landscapes: Targeting Investments in Landscape Resiliency

**Karen Prentice**, *Bureau of Land Management*

## **Session E60 - Horizon A**

**Claire Robinson (Chair)**, *Amigos de los Rios*

### **Beyond the LA Basin: Implementing Green Infrastructure Solutions in the LA Metropolitan Regions**

1:25 PM - 1:40 PM

231 The Angeles National Forest as Green Infrastructure for the Urban Region - 1

**Edward Belden**, *National Forest Foundation*

1:40 PM - 1:55 PM

232 The Angeles National Forest as Green Infrastructure for the Urban Region - 2

**Kathy Peterson**, *Friends of the Angeles National Forest*

1:55 PM - 2:10 PM

233 Landscape Level Connectivity and Dual Use Infrastructure For The Southern California Mega Region - 1

**Jack Sahl**, *UCLA Fielding School of Public Health*

2:10 PM - 2:25 PM

234 Landscape Level Connectivity and Dual Use Infrastructure For The Southern California Mega Region - 2

**Charlotte Pienkos**, *The Nature Conservancy*

2:25 PM - 2:40 PM

235 Reinvesting in Los Angeles County Rivers while Maintaining Their Functionality

**Josephine Axt**, *United States Army Corps of Engineers - Greater Los Angeles*

## **Session E61 - Hemisphere A**

**Aimee Roberson (Chair)**, *Desert Landscape Conservation Cooperative*

**Rob Campellone (Moderator)**, *US Fish and Wildlife Service*

**Landscape Conservation Design: Conserving Sustainable Landscapes to Maintain Ecosystem Functions and Services for People and Wildlife - E: World Café**

1:25 PM - 2:55 PM

236 A World Café: Identifying Resources Needed for Successful Development and Implementation of Landscape Conservation Design

**Genevieve Johnson**, *Desert Landscape Conservation Cooperative*; **Rob Campellone**, *US Fish and Wildlife Service*

### **Session E62 - Polaris C**

**Doug Austen (Chair)**, *American Fisheries Society*

#### **Water Conservation -- Special Session**

1:25 PM - 1:45 PM

237 From reach to region: promoting a voluntary, statewide freshwater temperature monitoring network in Alaska

**Joel Reynolds**, *Western Alaska LCC*; **Karen Murphy**, *Western Alaska LCC*; **Suzanne Worker**, *Western Alaska LCC*

1:45 PM - 2:05 PM

238 NorEaST: A stream temperature web portal for evaluating climate-change effects on streams of the US Geological Survey Northeast Climate Science Center region

**Jana Stewart**, *US Geological Survey*; **Austin Polebitski**, *UW Platteville*; **Dana Infante**, *Michigan State University*; **Yin-Phan Tsang**, *Michigan State University*; **Kathy Schoephoester**, *US Geological Survey*; **Blake Draper**, *US Geological Survey*; **David Armstrong**, *US Geological Survey*; **James McKenna**, *US Geological Survey*

2:05 PM - 2:25 PM

239 Investigating Fluvial Ecosystem Structure and Change on the Landscape Scale Using Topobathymetric Lidar

**John Brock**, *US Geological Survey*

2:25 PM - 2:45 PM

240 Advanced Landscape and Lakescape Tools for Ecological Assessment and Mitigation Support

**James McKenna**, *US Geological Survey*; **Jana Stewart**, *US Geological Survey*

**2:55 PM-4:15 PM – Break**

### **3:15 PM-4:15 PM – Concurrent Sessions F**

#### **Session F63 - Horizon B**

**Brenda Barrett (Chair)**, *Living Landscape Observer*

**Mike Caldwell (Moderator)**, *National Park Service*

#### **Scaling Up Resource Stewardship in the National Park Service**

3:15 PM - 3:35 PM

241 National Park Service Scaling up Initiative

**Raymond M Sauvajot**, *National Park Service*

3:35 PM - 3:55 PM

242 Cultural Landscapes in the US National Park Service: Next Steps

**Stephanie Toothman**, *National Park Service*

3:55 PM - 4:15 PM

243 Opportunities to Revive the US Biosphere Reserve Program – A Tool for Large Landscape Conservation Initiatives

**Jonathan Putnam**, *National Park Service*

#### **Session F64 - Meridian D/E**

**Matthew Andersen (Chair)**, *US Geological Survey*

#### **The Multi-disciplinary Components of Landscape Mitigation - Coastal Systems**

3:15 PM - 3:30 PM

244 Using broad monitoring networks to support management assessments

**Gregory Steyer**, *US Geological Survey*

3:30 PM - 3:45 PM

245 Using site-specific research to inform landscape-scale restoration and management of Great Lakes coastal wetlands

**Kurt Kowalski**, *US Geological Survey*

3:45 PM - 4:00 PM

246 Landscape-scale assessments of climate impacts to Gulf of Mexico coastal wetlands

**Michael Osland**, *US Geological Survey*

4:00 PM - 4:15 PM

247 A regional multidisciplinary approach to assess climate change impacts to Pacific coast wetlands for informing adaptation strategies

**Karen Thorne**, *US Geological Survey*

#### **Session F65 - Horizon A**

**Barbara Nelson-Jameson (Chair)**, *National Park Service*; **Stephan Nofield (Moderator)**, *National Park Service*

#### **Integrating Community Based Conservation with Large Landscape Conservation**

3:15 PM - 3:30 PM

248 Neighborspace Baltimore County - Integrating Community Based Conservation and Large Landscape Conservation

**Wink Hastings**, *National Park Service*; **Barbara Hopkins**, *Neighborspace of Baltimore County*

3:30 PM - 3:45 PM

249 Intertwine - Integrating Community Based Conservation with Large Landscape Conservation

**Dan Miller**, *National Park Service*; **Mike Wetter**, *The Intertwine Alliance*

3:45 PM - 4:00 PM

250 SEMI Wild - Integrating Community Based Conservation and Large Landscape Conservation

**Barbara Nelson-Jameson**, *National Park Service*; **Jonathan Jarosz**, *Heart of the Lakes Center for Conservation Policy*

4:00 PM - 4:15 PM

Concluding Remarks - Stephan Nofield

## Session F66

### Polaris B

**Deanna Spooner (Chair)**, *Pacific Islands Climate Change Cooperative*; **Stanton Enomoto (Moderator)**, *Pacific Islands Climate Change Cooperative*

#### Traditional Ecological Knowledge Informing Large-Scale Conservation in the Pacific Islands

3:15 PM - 3:35 PM

251 Cultural Landscape Initiatives as a Mechanism to Enhance Climate Change Adaptation in Hawai'i and the Pacific

**Trisha Kehaulani Watson**, *Honua Consulting*

3:35 PM - 3:55 PM

252 Tools for Community-Based Climate Change Adaptation in the Pacific

**Meghan Gombos**, *Sea Change Consulting*

3:55 PM - 4:15 PM

253 O'ahu Greenprint - Incorporating Traditional Knowledge and Uses of the Land into Conservation Mapping

**Laura Ka'akua**, *Trust for Public Land*

## Session F67 - Meridian C

**Martin Lowenfish (Chair)**, *USDA Natural Resources Conservation Service*

#### Targeting Voluntary, Incentive-Based Agricultural Conservation to Address Landscape-Scale Conservation Objectives

3:15 PM - 3:30 PM

254 Conservation Targeting: Past, Present, and Future

**Douglas Lawrence**, *Blackwoods Group LLC*; **Douglas Helms**, *USDA/NRCS Retired*

3:30 PM - 3:45 PM

255 Targeting farm conservation efforts for improving water quality

**Michelle Perez**, *World Resources Institute*

3:45 PM - 4:00 PM

256 Incorporating opportunity costs in conservation design

**Loren Burger**, *Mississippi State University*; **Mark McConnell**, *Mississippi State University*

4:00 PM - 4:15 PM

257 Designing Landscape Conservation Initiatives to Deliver Agricultural Conservation Programs

**Martin Lowenfish**, *USDA Natural Resources Conservation Service*

## Session F68 - Polaris C

**Christopher Miller (Chair)**, *Piedmont Environmental Council*

#### Large Landscape Planning Tools to Address Energy Infrastructure and Siting

3:15 PM - 3:35 PM

258 Large Landscape Planning Tools to Address Energy Infrastructure and Siting - 1

**Christopher Miller**, *Piedmont Environmental Council*

3:35 PM - 3:55 PM

259 Large Landscape Planning Tools to Address Energy Infrastructure and Siting - 2

**Liese Dart**, *The Wilderness Society*

## Session F69 - Polaris A

**Naomi Edelson (Chair)**, *National Wildlife Federation*

### Climate-smart Conservation: Putting Adaptation Principles into Practice

3:15 PM - 3:35 PM

260 Exploring Climate-smart Conservation

**Bruce Stein**, *National Wildlife Federation*

3:35 PM - 3:55 PM

261 Reconsidering Conservation Goals in Light of Climate Change

**Cat Hawkins-Hoffman**, *National Park Service*

3:55 PM - 4:15 PM

262 The Art of the Possible: Identifying Adaptation Options

**Susan Julius**, *Environmental Protection Agency*

## Session F70 - Oceanic A

**Ben Thatcher (Chair)**, *LCC Network / US Fish and Wildlife Service*

### Landscape Conservation Cooperatives – Developing Science, Information, and Tools for Landscape Scale Conservation

3:15 PM - 3:35 PM

263 The Landscape Conservation Cooperative Network - A continental structure for collaborative science and conservation planning at landscape scales

**Ben Thatcher**, *LCC Network / US Fish and Wildlife Service*; **Elsa Haubold**, *Landscape Conservation Cooperatives*; **Megan Cook**, *LCC Network / US Fish and Wildlife Service*

3:35 PM - 3:55 PM

264 Northeast Conservation Framework: Strategic Science Planning in the Northeast

**Scott Schwenk**, *North Atlantic Landscape Conservation Cooperative*; **Andrew Milliken**, *North Atlantic Landscape Conservation Cooperative*; **Ken Elowe**, *US Fish and Wildlife Service*; **Steven Fuller**, *North Atlantic Landscape Conservation Cooperative*

3:55 PM - 4:15 PM

265 Delivering Conservation through Partnerships in the Great Northern Landscape

**Sean Finn**, *Great Northern LCC*

## Session F71 - Oceanic B

**Michael Whitfield (Chair)**, *Heart of the Rockies Initiative*

### Managing Projects for Successful Outcomes - Special Session 2

3:15 PM - 3:35 PM

266 Application of Ecosystem Partnerships and Landscape Conservation Science to Link Large Protected Areas and Local Communities Across the High Divide, Idaho and Montana

**Michael Whitfield**, *Heart of the Rockies Initiative*

3:35 PM - 3:55 PM

268 Missouri's Comprehensive Conservation Strategy: Integrated planning contributes to conservation design

**Dennis Figg**, *Missouri Department of Conservation*; **Phillip Hanberry**, *Missouri Resource Assessment Partnership (MoRAP)*

## Session F72 – Hemisphere B

**Gwen White (Chair)**, *Eastern Tallgrass Prairie & Big Rivers LCC*

### Landscape Approaches in High Profile Restoration - Special Session

3:15 PM - 3:35 PM

269 Multi-disciplinary assessment of the impacts of Hurricane Sandy  
**John Young**, *US Geological Survey*

3:35 PM - 3:55 PM

270 Multi-disciplinary assessment of Everglades natural resources  
**Stephanie Romanach**, *US Geological Survey*

3:55 PM - 4:15 PM

271 Introducing the Landscape Conservation Cooperatives Council -- an international stakeholder working group in support of the Landscape Conservation Cooperatives Network  
**Lynn Scarlett**, *The Nature Conservancy*; **Marc Miller**, *Illinois Department of Natural Resources*; **Elsa Haubold**, *Landscape Conservation Cooperatives*; **Terry Williams**, *Tulalip Tribes*; **Preston Hardison**, *Tulalip Tribe*; **Martin Lowenfish**, *USDA Natural Resources Conservation Service*; **Eric Schroff**, *Yukon Government*; **Gary Tabor**, *Center for Large Landscape Conservation*; **Mary Wagner**, *USDA Forest Service*

## Session F73 - Meridian B

**Daniel Odess (Chair)**, *National Park Service*

### Landscape-scale Approaches to the Management of Cultural Resources - B

3:15 PM - 3:35 PM

272 Using GIS as a Tool to Incorporate Cultural Resources into Large Landscape Conservation  
**Deidre McCarthy**, *National Park Service*

3:35 PM - 3:55 PM

273 Unpredictable and Unprecedented: Understanding Potential Climate Change Impacts to the Irreplaceable and Invaluable Collection of Heritage Resources in the National Parks of the Intermountain West  
**Lauren Meyer**, *National Park Service*

## Session F74 - Meridian B

**Greg Wathen (Chair)**, *Gulf Coastal Plains & Ozarks LCC*

### Conservation Innovation -- Special Session

3:15 PM - 3:35 PM

274 Working across state lines to achieve habitat and species conservation: National Bobwhite Conservation Initiative Coordinated Implementation Program  
**Thomas Dailey**, *National Bobwhite Conservation Initiative*; **John Morgan**, *Kentucky Department of Fish & Wildlife Resources*; **Ken Duren**, *Ohio Division of Wildlife*; **Don McKenzie**, *National Bobwhite Conservation Initiative*; **Marc Puckett**, *Virginia Department of Game & Inland Fisheries*; **Chuck Kowaleski**, *Texas Parks & Wildlife Department*

3:35 PM - 3:55 PM

275 Optimizing a Refuge Plan – a practical example on the Texas Gulf Coast  
**Sarah McCabe**, *Pennsylvania State University*

3:55 PM - 4:15 PM

276 Climate envelope models for forecasting and prioritizing conservation needs for migratory waterfowl throughout North America

**Michael Schummer**, *Long Point Waterfowl/SUNY Oswego*; **Michael Notaro**, *Center for Climatic Research- UW Madison*; **John Coluccy**, *Duck Unlimited*; **Richard Kaminski**, *Mississippi State University*; **Michael Mitchell**, *Ducks Unlimited, Inc*; **Lena Elsen**, *University of Western Ontario*

**4:15 PM-4:30 PM Break**

4:30 PM-5:00 PM

**Session PL6 – Friday Afternoon Plenary / Conference Synthesis – Amphitheater**

**Lynn Scarlett, Managing Director, Public Policy, The Nature Conservancy**

**5:00 PM Adjournment**

## Biographies of Plenary Speakers

**Gerald Adelman**, *President and CEO, Openlands*. Jerry Adelman joined Openlands in 1980 to coordinate a special program that led to the creation of the Illinois and Michigan Canal National Heritage Corridor, the first federal land designation of its kind. Today, there are more than fifty federally designated heritage areas across the United States. In 1988, Jerry was appointed executive director of Openlands. Under his guidance, Openlands launched the 21st Century Open Space Plan, which called for expanded parklands, greenways, and trails in northeastern Illinois and the surrounding region. His leadership in creating the Midewin National Tallgrass Prairie; in preserving the rare and scenic landscape at the Openlands Lakeshore Preserve for public enjoyment; and many other conservation and preservation accomplishments has earned him numerous honors and conservation awards. In 2012, the Chicago Botanic Garden awarded him the prestigious Hutchinson Medal.

**Doug Austen**, *Executive Director, American Fisheries Society*. Doug Austen became the Executive Director of the American Fisheries Society (AFS) in 2013. He has extensive executive leadership and management experience in the public and private sectors, including serving as the National Coordinator of the Landscape Conservation Cooperatives at the US Fish and Wildlife Service (2010-2013), Executive Director of the Pennsylvania Fish and Boat Commission (2004 - 2010), and as Head of the Technical Support Section and with the Illinois Department of Natural Resources (1996 – 2004).

**Robert Bendick**, *Gulf of Mexico Program Director, The Nature Conservancy*. In September 2013, Bob Bendick became Director of The Nature Conservancy's Gulf of Mexico Program. He also serves as the Chair of the Practitioners' Network for Large Landscape Conservation. Bob has extensive experience in the conservation field, including recent service as The Nature Conservancy's Director of U.S. Government Relations at TNC headquarters in Arlington, Virginia.

**John Conger**, *Acting Deputy Under Secretary, Defense for Installations and Environment*



Mr. John Conger was named the Acting Deputy Under Secretary of Defense for Installations and Environment on September 14, 2012. He was appointed Assistant Deputy Under Secretary for Installations and Environment in June 22, 2009. In this position, he provides budgetary, policy and management oversight over the Department of Defense's \$850 billion real property portfolio, which encompasses more than 500 installations, 500,000 buildings and structures, and 28 million acres.

**Cynthia Dohner**, *Regional Director, U.S. Fish and Wildlife Service*. Cynthia K. (Cindy) Dohner currently serves as the Regional Director (RD) of the U.S. Fish and Wildlife Service Southeast Region, which is headquartered in Atlanta, Georgia. In this position, she provides vision, leadership, and oversight for Service activities in Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, South Carolina, and Tennessee, the Commonwealth of Puerto Rico, and the U.S. Virgin Islands. She also oversees the management of approximately 120 national wildlife refuges covering more than 3.2 million acres, 14 national fish hatcheries, five fishery assistance offices, and 17 ecological services field offices.

**Joel Dunn**, *Executive Director, Chesapeake Conservancy*. Joel Dunn is the Executive Director for the Chesapeake Conservancy, where he provides overall strategic and operational leadership. Joel has responsibility for the organization's staff, programs, and the execution of its mission. Prior to joining the Chesapeake Conservancy, Joel conducted government relations and project management in the Chesapeake region for The Conservation Fund. His work helped establish protection for National Parks, National Wildlife Refuges and National Trails, including the Captain John Smith Chesapeake National Historic Trail. In 2010, Duke University's Nicholas School of the Environment gave him their Rising Star Award for his work in conservation. In 2012, Dunn was elected to serve as Chairman of the Partners for Open Space.

**Jim Geringer**, *Director, Policy and Public Sector Strategies, Environmental Systems Research Institute; Former Wyoming Governor*. The Honorable Jim Geringer served as Governor of Wyoming from 1995 to 2003, where he took a strong interest in using science to address public policy issues. He joined Environmental Systems Research Institute (Esri) in the summer of 2003 as Director of Policy and Public Sector Strategies, and works with senior elected and corporate officials on how to use geospatial technology for place-based decisions in business and government.

**Lynetta Griner**, *Usher Land & Timber Company, Inc.* A native Floridian, Lynetta is Secretary/Treasurer of Usher Land & Timber, Inc., a family owned logging, farming and cattle company in Chiefland, Levy County, Florida. She served on the Suwannee River Water Management District Governing Board for 14 years and the Florida Forever Advisory Council. Lynetta is past President of Florida Forestry Association and is an agricultural citizen appointee to the Acquisition and Restoration Council (ARC). She currently serves on the Board of Directors of Drummond Community Bank and on the Board of Trustees of the Florida Chapter of The Nature Conservancy. In 2013, she was named Woman of the Year in Agriculture for the state of Florida. She is a graduate of the University of Florida College of Law. Lynetta lives in Fanning Springs with her husband, Ken, and their son, Corey.

**Krysta Harden**, *Deputy Secretary, U.S. Department of Agriculture*. Krysta was sworn in as the Deputy Secretary for the U.S. Department of Agriculture on August 12, 2013 after unanimous

confirmation by the U.S. Senate. Deputy Secretary Harden helps lead the department, working to strengthen the American agricultural economy and revitalize our nation's rural communities. From 2004 to 2009, Harden was the Chief Executive Officer of the National Association of Conservation Districts.

**Jim Hourdequin**, *Managing Director, The Lyme Timber Company*. Jim joined Lyme in 2005 and along with Tom Morrow leads the Company's investment activities associated with the acquisition, operation, and disposition of core forestland properties. Jim also serves as the Company's lead partner for internal operations and supervises the Company's accounting and finance departments.

**Sid Jamieson**, *Special Assistant for Athletics, Lacrosse Coach Emeritus, Bucknell University*. The only head coach in the 38-year history of Bison lacrosse, Sid Jamieson retired from coaching following the 2005 season. In addition to the tremendous on-field success, Jamieson was extremely active in on-campus issues throughout his four-decade tenure at Bucknell. He won the prestigious Burma-Bucknell Bowl, given for "outstanding contributions to intercultural and international understanding." He has also been a dynamic force on the international lacrosse scene through his involvement with the Iroquois National Team, and he has served as an avid spokesman for the Native American influence on the sport.

**Sally Jewell**, *Secretary of the Interior, U.S. Department of the Interior*. Sally Jewell was sworn in as the 51st Secretary of the Interior on April 12, 2013. She has had a distinguished career as a working scientist and corporate executive, most recently serving as CEO of Recreational Equipment, Inc (REI). As the Secretary of the Interior, Sally Jewell leads an organization which: serves as steward for approximately 20 percent of the nation's lands, including national parks, national wildlife refuges, and other public lands; oversees the responsible development of conventional and renewable energy supplies on public lands and waters; is the largest supplier and manager of water in the 17 Western states; and upholds trust responsibilities to the 566 federally recognized American Indian tribes and Alaska Natives.

**Shawn Johnson**, *Senior Associate, Center for Natural Resources and Environmental Policy, University of Montana*. Shawn is a Senior Associate at the Center for Natural Resources and Environmental Policy at the University of Montana. For the past eight years, he has helped advance a joint effort between the Center and the Lincoln Institute of Land Policy on regional collaboration and large landscape conservation. He serves as the Coordinator of the Practitioners' Network for Large Landscape Conservation.

**James Levitt**, *Fellow, Department of Planning and Urban Form, Lincoln Institute, and Director, Program on Conservation Innovation, Harvard Forest, Harvard University*. Jim Levitt, at both the Harvard Forest and the Lincoln Institute, has for the past 15 years organized conferences, lectured and written extensively about innovations in the fields of land and biodiversity conservation that have proven to be novel, strategically significant, measurably effective, transferable and enduring. He is currently focused on the practice of large landscape conservation, an emerging approach to conservation that is becoming significant on every continent on earth.

**Collin O'Mara**, *President and CEO, National Wildlife Federation*. Collin O'Mara joined National Wildlife Federation, America's oldest and largest wildlife conservation and education organization, as President and CEO on July 7, 2014. He came to NWF from the state government of Delaware where he has led the Delaware Department of Natural Resources and Environmental Control since 2009. In that position, Secretary O'Mara served as the state's top environmental official, led the state's efforts to conserve and restore wildlife and fishery habitat, improve air quality and public health, ensure access to clean water, expand outdoor recreation and environmental education opportunities, and enhance the state's resilience to extreme weather and other climate impacts.

**Mamie Parker**, *Fomer Assistant Director, U.S. Fish and Wildlife Service; founder of MA Parker, Inc.* Dr. Mamie A. Parker founded MA Parker and Associates to help organizations achieve their vision and stay positive about the future. Dr. Parker has over 30 years of experience in fish and wildlife conservation, including service as Assistant Director of the U.S. Fish and Wildlife Service. She is well known as an outstanding motivational speaker and is a member of the Arkansas Outdoor Hall of Fame. During her service at USFWS, Mamie was known for growing new partnerships, creating new friend groups, and pushing habitat restoration, coastal and marine mammal protection, fish passage, wetland mapping, planning on military lands, strategic planning, and outreach.

**Arnold Randall**, *General Superintendent, Forest Preserve District of Cook County and Chair, Chicago Wilderness*. Arnold Randall is the General Superintendent of the Forest Preserve District of Cook County and is responsible for the day-to-day management of the nation's oldest and largest forest preserve system. Since Randall's appointment to the post in December 2010 by Forest Preserve District President Toni Preckwinkle, the District has streamlined its operations to better serve the public, expanded its resource management department to most effectively implement its mission of preserving and protecting the natural lands and beauty of Cook County, and is developing master camping and recreation plans to introduce new recreational opportunities for the region's residents.

**John Rogner**, *Landscape Conservation Cooperative Coordinator, Upper Midwest and Great Lakes Landscape Conservation Cooperative*. John works for the U.S. Fish and Wildlife Service as the Coordinator for the Upper Midwest and Great Lakes Landscape Conservation Cooperative, a position he has held since February 2013. From 2009 - 2013 John served under an appointment by Illinois Governor Pat Quinn as Assistant Director of the Illinois Department of Natural Resources where his major responsibilities included oversight of the Wildlife, Fisheries, Forestry, Watersheds, and Heritage Divisions as well as directing the State of Illinois' response to the Asian carp threat to the Great Lakes

**Elizabeth Rooks-Barber**, *Partnership Coordinator, Land Trust Alliance*. Elizabeth Rooks-Barber is a certified wildlife biologist, Partnership Coordinator at LTA, and vice president for conservation planning at Barber & Mann, Inc., in Ridgeland, Mississippi. Her clients include many private landowners, National Audubon Society, The Mississippi Department of Marine Resources, Ducks Unlimited, the Mississippi Department of Environmental Quality, The Nature Conservancy, the Mississippi Forestry Commission and the Mississippi Department of Wildlife Fisheries and Parks. Before starting her own business, she served as executive director of the Mississippi Wildlife

Federation for ten years and as the executive director of the American Lung Association of Mississippi for five years.

**Lynn Scarlett**, *Managing Director of Public Policy, The Nature Conservancy*. Lynn serves as Managing Director of Public Policy at The Nature Conservancy. In this senior leadership, she is helping to build the Conservancy's capacity to influence public policy around the world.

Lynn served as the Chief Operating Officer and Deputy Secretary of the Interior from 2005 to 2009, having previously served as the Assistant Secretary of Policy, Management and Budget from 2001 to 2005. Appointed by President George W. Bush, Scarlett was sworn in as Deputy Secretary of the Interior on November 22, 2005. In 2006 she served as acting Secretary of the Interior between the administrations of Gale Norton and Dirk Kempthorne. She is a former Co-Chairperson of the Practitioners' Network for Large Landscape Conservation.

**Tom Vilsack**, *Secretary of Agriculture, U.S. Department of Agriculture*. Tom Vilsack serves as the Nation's 30th Secretary of Agriculture. As leader of the U.S. Department of Agriculture (USDA), Vilsack is working hard to strengthen the American agricultural economy, build vibrant rural communities and create new markets for the tremendous innovation of rural America. In five years at the Department, Vilsack has worked to implement President Obama's agenda to put Americans back to work and create an economy built to last. USDA has supported America's farmers, ranchers and growers who are driving the rural economy forward, provided food assistance to millions of Americans, carried out record conservation efforts, made record investments in our rural communities and helped provide a safe, sufficient and nutritious food supply for the American people.

Vilsack earlier served as Governor of Iowa between 1999 and 2007. While in that office, he took a strong interest in public-private collaboration in the field of conservation. He organized a 2001 conference on *Private Lands, Public Benefits* during his tenure as the Chair of the Natural Resources Committee of the National Governors' Association.

**Greg Wathen**, *Coordinator, Gulf Coastal Plains & Ozarks LLC*. Greg is the Coordinator for the Gulf Coastal Plains and Ozarks LLC, a position he has held since January 2011. Prior to this, he was the Chief of Wildlife for the TN Wildlife Resources Agency. Still a TWRA employee, he works full time for the 23-member partnership of the GCPO LCC.

**Mike Wetter**, *Executive Director, Intertwine Alliance and Coordinator, Metropolitan Greenspace Alliance*. Mike Wetter is a founder and Executive Director of The Intertwine Alliance, where he leads a coalition of more than 100 of the most prominent public, private and nonprofit organizations working on parks, trails and natural areas in the Portland, Oregon – Vancouver, Washington area.