

Sunday, October 18 - Afternoon

Session Title: Biometrics and Population Modeling

Full Life-cycle Models from Band-recovery Data

Todd Arnold, University of Minnesota

A Hierarchical Integrated Population Model for Bi-State Greater Sage-Grouse: the Role of Climatic Conditions on Population Trends

Peter Coates, US Geological Survey

Is Random Sampling All It's Cracked Up to Be? An Integrated Model for Estimating Abundance from Aerial Surveys

Jon Horne, Idaho Department of Fish and Game

Full Annual Cycle Model for the American Black Duck

Orin Robinson, Auburn University

Is Non-informative Bayesian Analysis Appropriate for Wildlife Management: a Cautionary Note

Subhash Lele, University of Alberta

Evaluating Assumptions of Mark-Resight Models Incorporating Camera Trap and Telemetry Data

Allan Oconnell, USGS Patuxent Wildlife Research Center

Estimating Occupancy While Accounting for Detection and Availability

Hannah Specht, University of Minnesota-Twin Cities

Change-Point Detection Prior to Kernel Analysis Identifies Behavioral States and Improves Space Use Estimation

Cory Overton, US Geological Survey

Temperature-Mediated Habitat Selection by Moose across a Latitudinal Gradient

Garrett Street, University of Minnesota-Twin Cities

Uncovering State-Dependent Relationships in Shallow Lakes Using Bayesian Latent Variable Regression Models

Kelsey Vitense, University of Minnesota

Session Title: Conservation and Management of Birds

How Much Is Enough? Demographic Analyses Using 3, 5, and 22 Years of Cliff Swallow Mark-recapture Data

Erin Roche, U.S. Geological Survey

Evaluating the Influence of Habitat Structure on the Movement Rates of Ring-Necked Pheasant Chicks

Mandy Orth, South Dakota State University

Distribution and Habitat Associations of Bachman's Sparrow in North Carolina

Jeffrey Marcus, the Nature Conservancy

Daily Temporal Variation in White-tipped Dove Calling Activity

Cullom Simpson, Tarleton State University

Using Citizen Science and Aerial Surveys to Develop Habitat Suitability Models for Lesser Prairie-Chickens

Ashley Unger, Oklahoma State University

Population Response of Grassland Songbirds to Large-scale Grassland Restoration

Anthony Henehan, Caesar Kleberg Wildlife Research Institute, Texas A&M University- Kingsville

Population Reduction Efforts and Spring Nutrition in Midcontinent Lesser Snow Geese

Megan Ross, University of Saskatchewan

Lesser Prairie-chicken Nest Site Selection and Nest Survival at Two Spatial Scales in a Cattle-dominated Landscape

Sarah Fritts, Texas Tech University

When Strongholds Collapse: Gains in Future Distributions May Cost Current Population Sources Under Future Climate Projections

Evan Tanner, Oklahoma State University

Evaluation of the Effectiveness of Parent-Reared versus Non-Parent Reared Northern Bobwhites for Reintroduction on Long Island, New York

William Macaluso, University of Delaware

Session Title: Conservation Planning and Policy

Cumulative Effects Scenarios Modeling to Inform Conservation Planning in Canada's Western Boreal Forest

David Browne, Canadian Wildlife Federation

A Decision Analytical Approach to Proactive Management of Pneumonia Epizootics in Bighorn Sheep

Sarah Sells, Montana Cooperative Wildlife Research Unit, University of Montana

A Process for Identifying Best-possible Individual Animal and Population Management for the Zoo Community's Species Survival Plans

Donald Moore, Smithsonian Institution

Beavers as a Watershed Management Tool: Articulating Alberta's Regulatory Context

Erin Specht, University of Alberta

Data, Sweat, Integrity, Policy and Law: Sharing Wildlife Data in the Instant Access Age

Kimberly Titus, Alaska Department of Fish and Game

Dry Land? Wet Land? - Refining Wetland Mapping for Land Use Planning

Dee Patriquin, Solstice Canada Corp

Manitoba's Volunteer Nocturnal Owl Survey: An Evaluation of 25 Years of Citizen Science

James Duncan, Wildlife Branch, Manitoba Conservation and Water Stewardship

Conserving Wildlife through Shifting Mosaics

Sonja Leverkus, Oklahoma State University

Building a Wolf Economy and Best Practices in All Things Wolf

Volker Beckmann, Spirit Way Inc

Session Title: Ecology and Habitat Relationships of Mammals

The Pyric Herbivory Paradigm Does Not Explain Fire-browser Interactions

Marcus Lashley, North Carolina State University

Earth Movers: Beavers dig the Boreal

Glynnis Hood, University of Alberta

Setting an Evolutionary Trap: the Hider Strategy Becomes Maladaptive for White-tailed Deer

Colter Chitwood, North Carolina State University

White-Tailed Deer and Mule Deer Fawns Have Reduced Predation Risk on Steeper Terrain during the Initial Weeks of Life

Maegwin Bonar, University of Winnipeg

Parturition Site and Post-Parturition Habitat Selection of GPS Collared Female Moose within the Agricultural Landscape of Saskatchewan, Canada

Amy Wheeler, University of Saskatchewan

Can You Teach An Old Rabbit New Tricks? Understanding How Predator Risk Influences Marsh Rabbit Habitat Selection

Adia Sovie, University of Florida

Geographic Variation in Snowshoe Hare Winter Pelage Characteristics

Laura Gigliotti, Pennsylvania Cooperative Fish and Wildlife Research Unit, the Pennsylvania State University

Ecological Aspects of Coyote-Human Conflicts in Cape Breton Highlands National Park, Nova Scotia

Stanley Gehrt, Ohio State University and Max McGraw Wildlife Foundation

Do Large Herbivores Track NDVI-based Rate of Green-up on Summer Range?

Jerod Merkle, Wyoming Cooperative Fish and Wildlife Research Unit, University of Wyoming

Unravelling the Diurnal Occurrence Patterns of Carnivores in a Human-Dominated Land-Use Mosaic of Southern Chile

Dario Moreira Arce, University of Alberta

Session Title: Ecology and Management of Greater Sage Grouse

Dietary Quality of Three-tip Sagebrush Influences Habitat Use by Greater Sage-Grouse

Marcella Fremgen, Boise State University

Greater Sage-Grouse Population Dynamics and Probability of Persistence

Edward Garton, University of Idaho

An Assessment of Greater Sage-Grouse in the Big Horn Basin, Wyoming

Jimmy Taylor, National Wildlife Research Center

Effects of Conifer Encroachment and Management on Greater Sage-Grouse Seasonal Habitat Selection in Oregon

John Severson, University of Idaho

Influence of Wildfire on Greater Sage-Grouse Habitat Selection in Southern Utah

Erica Hansen, Utah State University

Survival, Reproduction, and Habitat Use of Female Greater Sage-Grouse in a Wildfire Affected Landscape

Lee Foster, Oregon State University

Conservation in Action: a Success Story with the Bi-state Distinct Population Segment of Greater Sage-Grouse

John Tull, Nevada Department of Wildlife

Greater Sage-grouse Nest Survival and Causes of Nest Failure in the Bighorn Basin, Wyoming

Roger Holt, Oregon State University

Quantifying Greater Sage-Grouse Habitat and Space Use for Mapping Management Areas

Michael Casazza, US Geological Survey

Session Title: Ecology and Management of Wild Pigs (*Sus scrofa*) in North America

A Ticking Time Bomb: An Overview and Critical Assessment of Wild Pig Research and Management in Canada

Ryan Brook, University of Saskatchewan

Wild Pig Management Preferences across the Southeastern United States

Erin Harper, Colorado State University/USDA-APHIS-WS National Wildlife Research Center

Impacts of Wild Pigs on Vertebrate Species

Stephen Ditchkoff, Auburn University

Attitudes and Financial Impact of Wild Pigs in the United States

Michael Mengak, University of Georgia

National Response to Reduce Damages Caused by Expansion of Feral Swine Population in the United States

Dale Nolte, USDA-APHIS-Wildlife Services

Development of a National Wild Pig Task Force as a Focal Point for National Leadership

Mark Smith, School of Forestry and Wildlife Sciences, Auburn University

Development of a Toxicant for Feral Swine in the United States

Nathan Snow, Texas A&M University-Kingsville and USDA-APHIS-WS National Wildlife Research Center

Population Control of Wild Pigs By Using Phage-based Constructs Developed to Stimulate Production of Anti-sperm Antibodies.

Tatiana Samoylova, Auburn University

Defining Feral Swine Elimination in New York State

Justin Gansowski, USDA-APHIS-Wildlife Services- New York

Session Title: Ecology and Management of Woodland Caribou

Best Practices for Monitoring Caribou Population Sustainability - the Jasper Tonquin Study

A. Arnason, Computer Science Department, University of Manitoba

Quantifying Caribou Foods: Detailed Observations of Tame Caribou Reveal New Insights into Summer Diets

Kristin Denryter, University of Northern British Columbia

Range Alteration of Boreal Woodland Caribou Due to Wildfire in Northwestern Manitoba

Maria Arlt, Manitoba Conservation and Water Stewardship

Assessment of Grey Wolf and Boreal Caribou Habitat Selection and Interaction during Calving and Calf Rearing

David Walker, University of Manitoba

Evolution of Human Footprint Impacts on Habitat Quality and Co-occurrence Patterns of Atlantic-gaspésie Caribou and Its Predators over the Past Decades

Mathieu Boudreau, Université du Québec à Rimouski

Glacial Retreat and the Role of Late Pleistocene and Early Holocene Events in the Origin of Conservation Units: Implications for Woodland Caribou in Canada

Paul Wilson, Trent University

Conserving a boreal icon: Manitoba's Boreal Woodland Caribou Recovery Strategy

Brian Joynt, Manitoba Conservation and Water Stewardship

Incorporating Conservation Management Strategies Into Population Viability Analysis: the Case-study of the Atlantic-Gaspésie Caribou Population

Jonathan Frenette, Université du Québec à Rimouski

Calving Ground Habitat Selection of Boreal Woodland Caribou in the Owl-Flintstone Range

Daniel Dupont, Manitoba Conservation and Water Stewardship

Assessment of Boreal Caribou Disturbance Regimes on Lambda Rates of Boreal Caribou Based on Dynamic Fuzzy Cluster Population Analysis

Doug Schindler, University of Manitoba

Session Title: Highly Pathogenic Avian Influenzas in North America

Highly Pathogenic Avian Influenzas Arrive to North America in Wild Birds

Anne Ballmann, USGS-National Wildlife Health Center

Avian Influenza 101

Hon Ip, USGS-National Wildlife Health Center

Significance of HPAIv in Wild Birds: a Poultry Industry/Agricultural Perspective

Jette Christensen, AVC University of PEI

Significance of Highly Pathogenic Avian Influenza (HPAI) in Wild Birds: a Public Health Perspective

Elaine Bond, Department of the Interior

Significance of Highly Pathogenic Avian Influenza Virus in Wild Birds: a Wildlife Management Perspective

Colin Gillin, Oregon Dept of Fish & Wildlife

State Agency Response to the Detection of Highly Pathogenic Avian Influenza in the Pacific Flyway

Kristin Mansfield, Washington Department of Fish and Wildlife

State Wildlife Agency Response to Detection of Highly Pathogenic Avian Influenza in the Mississippi Flyway

Michelle Carstensen, MN Dept of Natural Resources

2015 United States Highly Pathogenic Avian Influenza Wild Bird Surveillance Plan

Thomas Gidlewski, USDA/APHIS-Wildlife Services

Avian Influenza in Canada; 2015 and Beyond

Craig Stephen, Canadian Wildlife Health Cooperative

Session Title: the Importance of Evolutionary Adaptive Capacity When Preparing for the Impacts of Climate Change

Improving Conservation Outcomes with a Consistent Definition of Adaptive Capacity

Claudia Mengelt, National Academy of Sciences

Adaptive Potential of Tree Species: Implications for Assisted Migration to Address Climate Change

Andreas Hamann, University of Alberta

EVOsystem services

Andrew Hendry, McGill University

Incorporating Adaptive Genetic Variation in Conservation Prioritization

Michael Russello, the University of British Columbia

Can We Predict and Monitor the Genetic Responses Climate Change?

Michael Schwartz, U.S.D.A. Forest Service, National Genomics Center for Wildlife and Fish Conservation

Evaluating Species Sensitivity to Climate Change in the Light of Intrinsic Adaptive Capacity:

Vulnerability Framework and Management Options

Andrew Whiteley, University of Massachusetts, Amherst

Evolutionary tipping points in the capacity to adapt to environmental change

Carlos Botero, Washington University in St. Louis

Species, Populations, Genes Or Something Else: What Do We Save At a Time of Rapid Environmental Change?

Ary Hoffmann, the University of Melbourne

The Importance of Evolutionary Adaptive Capacity When Preparing for Changes Associated with Contemporary Climate Change

Erik Beever, U.S. Geological Survey

Session Title: Wetlands of the Great Plains: Science Supporting Program and Policy Initiatives

Northern Prairie Wetlands: History, Current Status and Prospects for the Future

Henry Murkin, Wildlife Habitat Canada

Monitoring Wetland Habitats on the Canadian Prairies to Inform Conservation Programs and Policy Actions

Mike Watmough, Environment Canada

Agricultural Land-use Change in the Great Plains: Trends, Drivers and Implications for Wetlands

Ben Rashford, University of Wyoming

Estimating the Impact of Wetland Drainage on Flooding in a Canadian Prairie Watershed

John Pomeroy, University of Saskatchewan

Regulation of Water Quantity and Quality by Isolated Wetland Basins in a Prairie Watershed: Implications of Four Decades of Drainage

Pascal Badiou, Ducks Unlimited Canada

Connecting Hydrology, Ecology, Climate, and Land Use to Inform Wetland Conservation and Policy in the Prairie Pothole Region

Michael Anteau, USGS Northern Prairie Wildlife Research Center

An Evaluation of Whole Ecosystem Recovery of Restored Prairie Wetlands

Lauren Bortolotti, University of Alberta

Integrated Planning Tools to Inform Conservation of Northern Prairie Wetlands

David Howerter, Ducks Unlimited Canada, Institute for Wetland and Waterfowl Research

Natural Land Conservation and Enhancement near Agricultural Croplands

Gregory Sekulic, Canola Council of Canada

Developing Wetland Policies and Programs - a Government Perspective

Rhonda McDougal, Manitoba Conservation and Water Stewardship

Monday, October 19 - Morning

Session Title: 2015 – a Diversified Profession: Are We There Yet?

Change is Normal: How Adaptive Are You?

Columbus Brown, United States Fish and Wildlife Service

Beyond Diversity - Moving From the “Why” of Diversity to the “How” of Inclusion

Arthur Rodgers, Ontario Ministry of Natural Resources and Forestry

Assessing the Difficulty of Workforce Diversification: The Case of State Fish and Wildlife Agencies in the Southeast

Tamara Jackson, Mississippi Department of Wildlife, Fisheries and Parks

The Value of Bio Diversity and Workforce Diversity in Environmental Organizations

David Buggs, Texas Parks and Wildlife

Nonprofits: Sources, Sinks, or Perpetuators of the Leaky Pipeline

Selma Glasscock, Welder Wildlife Foundation

Challenges and Disconnects for Diversity Recruitment in Natural Resources

Diana Doan-Crider, Texas A&M University

Challenges in the Federal Pathways Program

Berlinda Baca-Sanchez, USDA Forest Service

Integrating Women into Federal Agencies: The Forest Service Experience

Winifred Kessler, the Wildlife Society (Past President) / Forest Service (Retired)

Diversity and Inclusion in the 21st Century - a Strategic Organizational Imperative

Effenus Henderson, HenderWorks, Inc

Session Title: Conservation and Management of Birds

Behavioural Response of Two Grassland Songbirds to Noise Pollution from Energy Development in the Canadian Prairie

Claire Curry, University of Manitoba

Cross-pattern and Cross-scale Interaction Effects of Landscape Characteristics on Avian Persistence Thresholds Reveal the Need for Landscape-specific Management

Kevin Gutzwiller, Baylor University

Proactive Management of the Kirtland's Warbler under Changing Environmental and Management Conditions

Donald Brown, University of Wisconsin

Fall Harvesting Across Heterogeneous Wild Turkey Populations: Identifying Risks and Management Tradeoffs

Bryan Stevens, Michigan State University

The Effects of Industrial Noise on Anti-predator Communication in Savannah Sparrows

Bridget Antze, University of Manitoba

Influences of Hunting on Movements of Male Wild Turkeys during Spring

Bradley Cohen, University of Georgia

Should We Care About Fear in Wildlife Populations?

Lindsey Messinger, University of Nebraska-Lincoln

Avian Response to Gleaning Logging Residues for Renewable Energy

Steven Grodsky, North Carolina State University

Factors Affecting Greater Prairie-Chicken Nest Survival in Fragmented Agricultural Landscapes of Wisconsin

Matthew Broadway, University of Wisconsin-Stevens Point

Diet Composition and Provisioning of Swainson's Hawk Nestlings in the Northern Great Plains

Will Inselman, South Dakota State University

Session Title: Ecology and Habitat Relationships of Birds

Bird Conservation in North American Forests

Michael Parr, American Bird Conservancy

Nest Site Selection of Sharp-tailed Grouse, a Management Indicator Species, in Northwestern South Dakota

Dan Graham, Hettinger Research Extension Center

Long-term Spatial Heterogeneity in Mallard Distribution in Their Core North American Breeding Range

Adam Janke, South Dakota State University

Forest Structure within Barred Owl Home Ranges in the Eastern Cascades, Washington

Peter Singleton, USFS

Pyric-carnivory: Raptor use of Prescribed Fires

Torre Hovick, North Dakota State University

Impact of Management Activities and Vegetation Characteristics on Breeding Abundance of Grassland Birds on Camp Dodge National Guard Base, Iowa

Tyler Harms, Iowa State University

Constraints to Population-level Harvest Trends for Wild Turkeys across the Midwest

Chad Parent, Michigan State University

Factors Influencing the Fall Migration of Eared Grebes from Great Salt Lake

Maureen Frank, Utah State University

Ecophysiological Associations between Non-breeding and Breeding Seasons in Northern Gannets

Graham Fairhurst, University of Saskatchewan

Sexual Selection Varies Across Time in a Managed Environment

Bridget Sousa, H. T. Harvey & Associates

Session Title: Ecology and Habitat Relationships of Mammals

Predicting Ungulate Parturition Using GPS Movement Data

Matthew Hayes, University of Wyoming

Declines in Juvenile Elk Recruitment across the Western United States Are Associated with Recolonizing Predators, Habitat and Climate Conditions

Paul Lukacs, University of Montana

Density-Dependent and Density-Independent Factors Influencing Use of Safe Terrain during Winter by Mule Deer

Travis Bannatyne, University of Winnipeg

Impacts of Bark Beetle Epidemics on Mammals in Colorado

Jake Ivan, Colorado Parks and Wildlife

The Effects of Cheatgrass Differ for Generalist and Specialist Small Mammals

Joseph Ceradini, University of Wyoming

The Economics of Reproduction: American Black Bears as Income Breeders

John Mcdonald, Westfield State University

Habitat Selection by Moose in Canadian Agricultural Landscapes: Evaluation of Resource Selection Techniques

Nicole Michel, University of Saskatchewan

Patterns of Resource Selection in a Changing Predator Complex

Matthew Mumma, University of Northern British Columbia

Effects of Population Density on Sexual Segregation by North American Elk

Kelley Stewart, University of Nevada Reno

Habitat Selection by Mule Deer within Migration Corridors in Nevada

Marcus Blum, University of Nevada, Reno

Session Title: Emerging topics in Aquatic Animal Health and Management

Evolving Fish Health Programs to Meet Emerging Policy Needs

Craig Stephen, Canadian Wildlife Health Cooperative

Genome-wide Association Study of Survival in Acoustically Tagged Steelhead Smolts in Puget Sound, Washington

Kenneth Warheit, WA Dept of Fish and Wildlife

Use of High-throughput DNA Sequencing in Trophic Ecology: Opportunities for Pathogen Screening

Austen Thomas, WA Dept of Fish and Wildlife

Lessons Learned From Terrestrial Wildlife Health and Management

Helen Schwantje, BC Ministry of Forests, Lands, and Natural Resource Operations

Fishing for a Cure: the Role of Veterinarians in Aquatic Animal Health

Trista Welsh-Becker, WA Dept of Fish and Wildlife

Marine Mammals as Sentinels of Ocean and Human Health

Andrea Bogomolni, Woods Hole Oceanographic Institution

Ian Hewson, Cornell University

Prevalence and Bioaccumulation of the Cyanotoxin BMAA in Freshwater Ecosystems: Implications for Wildlife and Human Health

Michelle Kneeland, Biodiversity Research Institute

Diagnostic Metagenomics as an Emerging Tool in Monitoring and Managing Fish Health

Katie Haman, Washington Department of Fish and Wildlife

Session Title: Integrating Resource Selection and Movement Analysis: Challenges and Opportunities

Thoughts on Historic Resource Selection and Movement Models

Lyman McDonald, WEST, Inc., Environmental & Statistical Consultants

Integrated Step Selection Analysis: Bridging the Gap between Resource Selection and Animal Movement

Tal Avgar, University of Alberta

Changes in Grizzly Bear Movement and Habitat-selection in Response to Recreationists in Alberta's Eastern Slopes

Andrew Ladle, Dept of Biological Sciences, University of Alberta

Incorporating Movement and Memory into Models of Resource Selection

James Forester, University of Minnesota

Animal Movement Constraints Improve Resource Selection Inference in the Presence of Telemetry Error

Brian Brost, Colorado State University

Movement Analysis Reveals the Spatial Game between Predators and Prey

Daniel Fortin, Université Laval

Using Movement Models to Assess Behavior-Specific Habitat Relationships in Mule Deer

Joseph Northrup, Colorado State University

The Implications of Density-Dependent Resource Selection on Movement within Spatially Structured Populations: From Theory to Conservation and Management

Eric Vander Wal, Memorial University of Newfoundland

The Road Less Travelled: Elk Habitat Selection and Movement in Relation to Roads

Christina Prokopenko, University of Alberta

Movement Models as a Tool to Refine Resource Selection Analysis in Highly Heterogeneous Landscapes

Jonathan Potts, University of Sheffield

Session Title: New Technology and Applications

Tolerance of Feral Swine to Simulated GPS Ear Tag Transmitters

Steven Sweeney, USDA APHIS Veterinary Services, Center for Epidemiology and Animal Health

Using Citizen-Scientists to Develop Statewide Mast Production Indices to Improve Wildlife Population Models

Alexander Killion, Michigan State University

An Autonomous GPS Geofence Alert System to Curtail Avian Fatalities at Wind Farms

James Sheppard, San Diego Zoo Global

Using double sampling methods to facilitate comparability of human-observer versus automated-recording data from avian surveys

Steven Van Wilgenburg, Environment Canada

Apps for Wildlife Management? How Customized Software Can Up Your Game

Joshua Nowak, University of Montana

From Frozen Binoculars to Heated Cameras: the Evolution of and Early Results from Polar Bear Den Monitoring in Alaska

BJ Kirschhoffer, Polar Bears International

Nest Fate Classification from Field Evidence Evaluated Using Video Monitoring of Piping Plovers and Least Terns on the Missouri River

Alicia Andes, University of North Dakota

Use of Webcams to Document Denning Activities of Undisturbed Wild Black Bears

Lynn Rogers, North American Bear Center

Using Citizen Science to Monitor Landscape-level Patterns in Raptor and Carnivore Community Ecology

David Jachowski, Clemson University

An Avian Index of Biotic Integrity for Predicting Wetland Quality in Kentucky

David Brown, Eastern Kentucky University

Session Title: Renewable Energy and Wildlife: a Global and Industry Perspective

Perspectives on renewable energy development and wildlife: a synthesis of issues, challenges and opportunities

Ed Arnett, Theodore Roosevelt Conservation Partnership

Renewable Energy and Wildlife: a Global Industry Perspective

Robert Thresher, NREL

State of Renewable Energy and Wildlife in Canada

Catherine Jardine, Bird Studies Canada

Wind-Wildlife Issues in Latin America

Caleb Gordon, Western Ecosystems Technology

A Synthesis of Avian Monitoring and Mortality Information at Existing Utility-Scale Solar Facilities

Leroy Walston, Argonne National Laboratory

Advanced Bioenergy: Working through Public-Private Partnerships to Achieve Environmental, Economic, and Social Benefits

Kristen Johnson, US Department of Energy

Conservation Biomass and Bioenergy: Achieving Landscape Scale Prairie Conservation through Value Innovation

Carol Williams, University of Missouri

Integrated Management of Invasive Cattails as Biofuel and a Wetland Management Strategy in the Northern Great Plains of the United States and Canada

Daniel Svedarsky, University of Minnesota

Integrating Wind Energy Development and Wildlife Conservation

Jerry Roppe, Iberdrola Renewables

Session Title: Wildlife and a Changing Climate: Research and Management Challenges

The Big Picture - a Climate Scientists View on the State of the Planet and Where We May Be Heading

Cecilia Bitz, University of Washington

Effects of Climate Change and Stressors on Polar Bears: the Next (Modeling) Generation

Bruce Marcot, USDA Forest Service

Spatial Variation in the Ecology of an Arctic Marine Mammal in a Warming Climate

David Yurkowski, University of Windsor

Productivity of Mule Deer Tracks Phenological Variability over a Latitudinal Gradient

Thomas Edwards,, USGS Utah Cooperative Fish and Wildlife Research Unit

Can Polar Bears Use Terrestrial Foods to Offset Lost Ice-based Hunting Opportunities?

Karyn Rode, USGS Alaska Science Center

Wolverine Caching in the Lowland Boreal Forest of Alberta: Implications of Climate Change and Industrial Development

Matthew Scrafford, University of Alberta

The Nuance and Complexity of Climate-wildlife Interactions: the Imperative to Understand Mechanisms

Erik Beever, U.S. Geological Survey, Northern Rocky Mtn. Science Center

Resilience and Risk - a Demographic Model to Inform Conservation Planning for Polar Bears

Eric Regehr, U.S. Fish and Wildlife Service

Polar Bears in a Warming Arctic: Linking Behavioral Cascades to Population Threats

Todd Atwood, USGS Alaska Science Center

Session Title: Wildlife Conservation's Dilemma: Fur, Feather, Fins, Steel, and People

To Everything There Is a Season; a Time to Kill, a Time to Heal, a Time to Tear Down, a Time to Build” - Strengthening the Dialogue

Terry Messmer, Jack H. Berryman Institute, Utah State University

The North American Model of Wildlife Conservation: the Future

John Organ, USGS Cooperative Fish and Wildlife Units

The North American Model of Wildlife Conservation: Historical Perspective

Darren Miller, Weyerhaeuser Company

Conservation Delivery by State, Provincial, and Territorial Fish and Wildlife Agencies: Metrics, Mission, and the North American Model

Larry Voyles, Arizona Game and Fish Department

The Future of Wildlife Conservation and the North American Model: TWS Perspective

Ken Williams, the Wildlife Society

The Business of Conservation

Ann Forstchen, Florida Fish and Wildlife Conservation Commission

Hunting for Wildlife Management - Can the Wildlife Management Institution Foster a Community-centric Hunter Orientation?

William Siemer, Cornell University

Time for a Remodel: Why, What and How?

Cynthia (Cindi) Jacobson, U.S Fish and Wildlife Service

Universities and Wildlife Students in Transition

Carol Chambers, Northern Arizona University

The Role of Professional Partnerships in Managing Wildlife - Complexities with Gray Wolf and Grizzly Bear Management in Idaho.

Virgil Moore, Idaho Fish and Game Department

Communicating with the Concerned Urban Constituency about Wildlife Conflicts

Kevin Sullivan, USDA-APHIS- Wildlife Services

A National Reality - Either We Hang Together or We Surely Will Hang Alone

William (Bill) Clay, USDA-APHIS- Wildlife Services

Role of Hunting in Reducing Human-Wildlife Conflicts

Michael Conover, Utah State University

Conservation Sustainability and the NA Model

Mike O'Brien, Nova Scotia Department of Natural Resources

The North American Model and Matters of Relevance

Loren Chase, Arizona Game and Fish Department

Building Support through a National Plan

John Frampton, Council to Advance Hunting and Shooting Sports

Conservation Leaders for Tomorrow; Professional Development and Cultural Awareness for Wildlife Conservation

Zach Lowe, Conservation Leaders for Tomorrow

Reflections on the Dilemma: Do we lead, follow or now what?

Michael Begier, USDA-APHIS-Wildlife Services

Monday, October 19 - Afternoon

Session Title: Bridging the Gap between Knowledge and Practice to Manage Impacts to Wildlife under the Combined Effects of Climate Change and Land Use

Identifying the Gap between Our Understanding of the Cumulative Impacts of Climate Change and Land Use on Wildlife Species, and the Available Process to Implement On-the-ground Actions to Mitigate Those Impacts

Kimberly Dawe, Golder Associates Ltd

Conservation in the 21st Century; the Case of Woodland Caribou in Canada's Oil Sands

Stan Boutin, University of Alberta

Climate Change Will Radically and Irrevocably Alter Canada's Boreal Forest

Dennis Murray, Trent University

Assisted Migration as a Potential Tool for Mitigating Climate Change and Land Use Impacts on Wildlife.

John Pedlar, Natural Resources Canada

Inatct Wilderness Assists Species' Responses to Climate Change

Jeremy Kerr, University of Ottawa

Canada's Energy Policy

Mark Boyce, University of Alberta

Canadian Forest Service Science in Support of Forest Adaptation to Climate Change

John Pedlar, Great Lakes Forestry Centre

Actionable Science - Mandate and Methods

Robin O'Malley, USGS Climate change and wildlife center

Session Title: Community Dynamics

Patch-Burn Grazing Promotes Pollinator Diversity in Flint Hills Rangelands

Shelly Wiggam, Kansas State University

Arctic Foxes as Ecosystem Engineers: Soil Nutrient Dynamics Modifications, and Benefits to Plants and Herbivores

Tazarve Gharajehdaghpoor, University of Manitoba

Management of Invasive Old World Bluestems to Restore Native Grasslands

Meagan Lesak, Texas A&M University-Kingsville

Effects of Prescribed Fire on Aspen and Grassland Restoration in a Wolf, Elk, and Aspen System in the Canadian Rocky Mountains

Cristina Eisenberg, Earthwatch Institute

Evaluating How Waterfowl Habitat Is Impacted by a Keystone Herbivore, White-tailed Deer: Implications for Wetland Conservation and Deer Management

Stephanie Hummel, Michigan State University

Fear, Fire, and Behaviorally Mediated Trophic Cascades in a Longleaf Pine Savanna

Michael Cherry, University of Georgia

The Cascading Effects of Circannual Phenologies Across Trophic Levels - How Western Larch affect the Coat Color Molt in Snowshoe Hares

Alexander Kumar, North Carolina State University

Community Occupancy of Herpetofauna in Roadside Ditches in Managed Forests

Jessica Homyack, Weyerhaeuser Company

Potential Climate-Driven Shifts in Mammalian Species Composition in Great Lakes National Parks

Morgan Swingen, University of Minnesota Duluth - Natural Resources Research Institute

Interactions between Domestic Cats and Wildlife Along a Wildland-Urban Interface

Ashley Gramza, Colorado State University

Session Title: Conservation and Management of Mammals

The Implementation of next Generation Sequencing in Dietary Analysis of Snow Leopards and a Comparison to Traditional Morphological Methods

Matthew Jevit, Duquesne University

Bias in Carnivore Diet Analysis As a Result of Misclassification of Predator Scats Based on Field Identification

Summer Higdon, Virginia Tech

The Large Ungulate Dinner Table: Investigation of Diet Niche Partitioning among Cattle, Nilgai, and Deer in South Texas?

Stacy Hines, Caesar Kleberg Wildlife Research Institute

Predator-prey Interactions: Diet Reconstruction of Wolves Following a Decline in Moose Populations

Danielle Mocker, University of Manitoba

A Comparison of Costs, Mortality Rates, Spatial Coverage, and Post-Capture Behavior Associated with Drop Net Versus 2 Helicopter Capture Techniques for White-tailed Deer

Jared Beaver, Texas A&M Institute of Renewable Natural Resources

The Roles of Diet and Behavior between a Territorial Endangered Species and a Non-Territorial Invader in Syntopy

Jonathan Derbridge, University of Arizona

Do Transmitters Affect Fitness of American Beavers?

Joshua Smith, University of Georgia

Conservation Demography of Masai Giraffe in the Fragmented Tarangire Ecosystem

Derek Lee, Wild Nature Institute

Understanding Attitudes toward Wolves, Wolf Management, and the “Wolf Capital of the World” Initiative in Thompson, Manitoba, Canada

Bonnie Bishop, Memorial University of Newfoundland

Unraveling Biotic and Abiotic Drivers of Ungulate Population Fluctuations in South Florida: Predators, Fire, and Floods

Elina Garrison, Florida Fish and Wildlife Cons. Comm

Session Title: Ecology and Habitat Relationships of Birds

Grasshopper Sparrows on the Move: What Explains Variation in Within-season Breeding Dispersal in a Declining Grassland Songbird?

Emily Williams, Kansas State University

Using Science to Advance Conservation in Manitoba: Waterfowl Abundance and Diversity Lend Further Support to Protect the Seal River Estuary and Knife River Delta

Jeff Ball, Ducks Unlimited Canada

Spring Nutrient Reserves of Lesser Snow and Ross's

Geese Staging at Hudson Bay, Manitoba

Frank Baldwin, Manitoba Conservation and Water Stewardship

Patterns of Breeding Dispersal in Declining Grassland Songbird

W. Alice Boyle, Kansas State University

Aging Gracefully: Selective Mortality in Female American Dippers Drives Age-Related Improvement in Reproductive Success

Elizabeth Krebs, Wildlife Research Division, Environment Canada

Evaluating Predictors of Local Waterfowl Abundance during Migration Using Data from a Broad-scale Monitoring Program: What Features Matter?

Kevin Aagaard, US Geological Survey

Landscape-Abundance Relationships of Wild Turkeys in Mississippi

Annie Davis, Mississippi State University

Investigating Lesser-prairie Chicken Seasonal Habitat Use, Reproduction, and Survival to Understand Patterns of Declining Lek Attendance in Southeast New Mexico

Cody Strong, New Mexico State University

Foraging Habitat Characteristics, Prey Diversity and Detectability of Breeding Rusty Blackbirds: Implications for Land and Wildlife Management in the Northern Forest

Amanda Pachomski, SUNY College of Environmental Science and Forestry

The Impacts of the Invasive Mute Swan on Submerged Aquatic Vegetation, Fish, and Abiotics in Michigan's Drowned River Mouth Lakes

Nicole Wood, Central Michigan University

Session Title: Human Dimensions and Education

Attitudes and Perceptions of Local Stakeholders Regarding Puma in the Sierra La Laguna Biosphere Reserve, Baja California Sur, Mexico

Stephaney Cox, San Diego State University

Conserving Hunters to Conserve Wildlife? a Population Viability Analysis of Hunter Populations

Jennifer Price, Auburn University

Natural Resource Students in the Early 21st Century: Background and Interests

Talesha Dokes, Michigan State University

Improving the Accuracy of Self-reported Wildlife Participation and Harvest Estimates

Jerry Vaske, Colorado State University

Fostering Minority Participation in Wildlife Professions through the Southwest Natural Resource Career Track Program

Quentin Hays, ENMU-Ruidoso

Wildlife Conservation Camp: Texas Chapter of the Wildlife Society's Investment in the Future

Kelsey Griffin, Tarleton State University

Assessing Support for Lead Shot Ban among Illinois Dove Hunters with and without Waterfowl Hunting Experience

Craig Miller, University of Illinois

Recruiting the Next Generation of Hunters: Identifying Barriers and Constraints to Participation for College Students

Ryan Sharp, Kansas State University

Achieving Community and Individual Involvement in Conservation via the Manitoba Important Bird Area Program

Timothy Poole, Nature Manitoba

Hunter's Attitudes and Perceptions of the Texas Mountain Lion and Designing Management Strategies

Desiree Rucker-Ross, Texas A&M University

Session Title: Indigenous Peoples Involvement in Wildlife Management

Historical and Current Context of Indigenous Treaties - How they Relate to Wildlife

Fred Kelly, Ojibways of Onigaming

The Manitoba Metis Harvesting Initiative

Al Benoit, Manitoba Metis Federation

Ojibwe Cultural Basis for Wildlife Management

Jonathan Gilbert, Great Lakes Indian Fish and Wildlife Commission

A Collaboration Between First Nations and Provincial Government to Document the Abundance and Distribution of Polar Bear Denning Activity in Northeast Manitoba, Canada

Vicki Trim, Government of Manitoba

Beverly and Qamanirjuaq Caribou Management Board - a Co-management Approach

Daryll Hedman, Government of Manitoba

The Importance of Relationships and Adaptive Decision Making in Engaging First Nation Communities On Proposed Measures for Rebuilding Moose Populations

Kelly Leavesley, Conservation and Water Stewardship, Government of Manitoba

Inuit Qaujimaqatuqangit and Wildlife Co-Management in Nunavut

Paul Irrngaut, Nunavut Tunngavik Inc

Indigenous Peoples Involvement in Wildlife Management - Panel Discussion

Daniel Dupont, Government of Manitoba

Session Title: Molecular Approaches to Mammalian Population Assessment

Noninvasive Genetic Sampling and Mark-Recapture as a Method for Population Monitoring of Endangered Sonoran Pronghorn

Susannah Woodruff, University of Idaho

Landscape Genetics of Wolverines in the Contiguous United States

Niko Balkenhol, Dept. of Wildlife Sciences, Göttingen University

Delineation of Wild Pig Management Units across an Ecoregion Using Single Nucleotide Polymorphisms and Microsatellites

Peter Schlichting, Texas Tech University

An Individual-based Landscape Genetics Approach for Assessing the Influence of Landscape Features on Genetic Connectivity of Neotropical Jaguars and Pumas

Claudia Wultsch, American Museum of Natural History

Density, Distribution, and Genetic Structure of Grizzly Bears in the Cabinet-Yaak Ecosystem

Amy Macleod, University of Alberta

Population Structure and Recolonization Dynamics of Moose in Northeastern North America

Nathan Crum, New York Cooperative Fish and Wildlife Research Unit, Department of Natural Resources, Cornell University

Spatial Genetic Structure of White-tailed Deer in Urban Landscapes: Potential for Localized Management

Joanne Crawford, Michigan State University

Evaluation of Alternative Management Strategies for Maintenance of Genetic Variation in Bison

Emily Latch, University of Wisconsin-Milwaukee

Genetic Diversity and Structuring of a Harvested Wolf Population in Minnesota

Jessica Rick, University of Minnesota- Duluth

Effect of Trapping on the Fine-scale Population Structure of Coyotes on the Savannah River Site, South Carolina

Elizabeth Kierepka, Savannah River Ecology Laboratory: University of Georgia

Session Title: Quantitative Approaches to Wildlife Disease

The Evolution of Quantitative Techniques to Address Questions about Emerging Wildlife Diseases

Kathryn Huyvaert, Colorado State University

Addressing Multiple Levels of Uncertainty When Creating and Implementing a Designed Surveillance System

Evan Grant, US Geological Survey

Simulated Realities: Learning From Modelling Rabies Ecology and Management

Erin Rees, Land and Sea Systems Analysis

Potential Sources of Biases that Can Arise in Common Disease Metrics

Alan Franklin, USDA-APHIS-WS National Wildlife Research Center

Modeling Animal Movement in Epidemiology

Ephraim Hanks, Pennsylvania State University

Phylogenetics and ABC Methods Applied to an Expanding Brucellosis Epidemic around Yellowstone

Paul Cross, US Geological Survey

Can Pathogen Invasion Produce a Phase-transition in Host Demography? a Closer Look At Pneumonia in Bighorn Sheep

Kezia Manlove, Pennsylvania State University

Raccoon Contact Networks and Rabies Transmission Dynamics

Meggan Craft, University of Minnesota

Challenges in Modeling Wildlife Disease Systems with Multiple Hosts

Michael Buhnerkempe, University of California, Los Angeles

Optimal Control Strategies for Epidemics on Heterogeneous Networks

Krishna Pacifici, North Carolina State University

Tuesday, October 20 - Afternoon

Session Title: a Polarizing Icon: Research and Management of the Polar Bear

Onshore Food Resources Add Complexity to the Response of Southern Beaufort Sea Polar Bears to Declining Sea Ice Habitat

Melissa McKinney, University of Connecticut

Factors Influencing Terrestrial Movements and Distribution of Polar Bears during the Ice-free Season

Vicki Sahanatien University of Alberta

Declining Sea Ice and Polar Bear Survival, Defining Critical Thresholds

Péter Molnár, University of Toronto Scarborough

Projecting When Sea Ice Absence Will Exceed Persistence Thresholds for Polar Bears

Cecilia Bitz, University of Washington

Polar Bear Attacks on Humans: Implications of a Changing Climate

James Wilder, Shoshone National Forest

Changes in Land Use Patterns of Chukchi Sea Polar Bears in Relation to Sea Ice Conditions

Karyn Rode, USGS Alaska Science Center

Unraveling Polar Bear Physiology in Summer: Comparing Bears on Shore and Ice

John Whiteman, Dept. Zool. and Phys., Program in Ecology, University of Wyoming

The Polar Bear Conservation Management Plan: Cooperative Management in a Changing Climate

Michael Runge, USGS Patuxent Wildlife Research Center

Big Changes in Cold Places: Projected Responses of Bird and Mammal Habitats to Climate Change in Northwest Alaska

Bruce Marcot, USDA Forest Service

Session Title: Conservation and Management of Birds

Seasonal Variation in Apparent Survival of Nestling

Tree Swallows: Tests of the Quality and Date Hypotheses

Vanessa Harriman, Manitoba Conservation

Effects of Radio Transmitter Attachment on Flight Speed and Body Mass of Northern Bobwhite

Byron Buckley, Texas Tech University

Occupancy of California Spotted Owl Sites Following a Large Fire in the Sierra Nevada, California

Monica Bond, Wild Nature Institute

Managing Pond Habitat for Waterbirds: Evaluating Waterbird Habitat Use in the Largest Tidal Marsh Restoration Project on the West Coast of the United States

Lacy Smith, U.S. Geological Survey

Initial Negative Effects of Intensive Forest Management on Avian Abundance are Dampened during Succession

Jake Verschuyf, NCASI

Dynamics of a Recovering Arctic Bird Population: the Importance of Climate, Density Dependence, and Site Quality

Jason Bruggeman, University of Minnesota

The Relative Influence of Climate Variability and Landscape Change on Lesser Prairie-Chicken Populations

Beth Ross, Kansas State University

Conservation of Endemic Hawaiian Birds: Evaluation of Strategies to Mitigate Avian Malaria in the Face of Climate Change

Joy Liao, University of Wisconsin-Madison

Biology of Female Wild Turkeys at Their Northern Extent in Manitoba, Canada; Implications for Range Expansion on the Canadian Prairies?

Brian Kiss, Manitoba Conservation and Water Stewardship

Session Title: Conservation of a Great Plains Mesocarnivore – the Swift Fox: Past, Present, and Future

Evolution of the Canadian Swift Fox Re-introduction Program

Ludwig Carbyn, University of Alberta

Status, Trends and Threats of the Contiguous Reintroduced Swift Fox Population in Canada and Montana since 1995

Axel Moehrensclager, Centre for Conservation Research, Calgary Zoological Society

Swift fox restoration in Montana and South Dakota

Kyran Kunkel, American Prairie Reserve

Assessing the Status of Reintroduced Swift Fox in Southwestern South Dakota

Sarah Nevison, South Dakota State University

Assessment of Swift Fox Distribution in Nebraska

Lucia Corral, NE Coop Fish & Wildlife Research Unit, University of Nebraska–Lincoln

Use of Least-cost Path Analysis to Identify Potential Movement Corridors of Swift Foxes in Montana

Jessica Alexander, World Wildlife Fund

Building a Long-Term Connectivity Strategy for Swift Fox Populations in Montana: Progress to Date

Kristy Bly, World Wildlife Fund

Using Landscape Genetics to Identify Priority Grassland Conservation Areas for Maintaining Functional Connectivity in the Future: Lessons From the Swift Fox

Donelle Schwalm, Oregon State University

Genetic Diversity in a Reintroduced Swift Fox Population

Indrani Sasmal, Foundation for Ecological Security

Session Title: Conservation of North America's Boreal Forest

Crossing the Great Wall: the Role of Habitat Availability in Facilitating Range Response to Climate Change

Jeremy Kerr, Univ. of Ottawa

The Peace-Athabasca Delta and Wood Buffalo National Park: Canadian Wetland Resources at Risk

David Schindler, Univ. of Alberta

Keeping Caribou - Big Challenge, Immense Opportunity

James Schaefer, Trent University

Connecting Boreal Forest Conservation with Distant Habitats through the Journeys of Migratory Songbirds

Amélie Roberto-Charron, University of Manitoba

Assessing Change in Waterfowl Abundance Relative to Anthropogenic Disturbance

Stuart Slattery, Ducks Unlimited Canada, Institute for Wetland and Waterfowl Research

Reconciling Multiple Objectives Using Systematic Planning to Insure Sustainable Waterfowl Conservation in the Boreal

Marcel Darveau, Ducks Unlimited Canada & Laval University

Can We Ensure a Future for a Billion Birds?

Jeffrey Wells, Boreal Songbird Initiative

Collaborating Towards Solutions to the Challenges of Conservation and Sustainable Development across Canada's Largest Terrestrial Ecosystem - the Boreal

Aran O'Carroll, Canadian Boreal Forest Agreement Secretariat

Session Title: Conservation Planning and Policy

Planning Biodiversity Monitoring: Iowa's Multiple Species Inventory and Monitoring (MSIM) Program

Kevin Murphy, Iowa State University

A Scale Dynamics Approach to Integrating Landscape Conservation Design within and among Landscape Conservation Cooperatives

Chadwick Rittenhouse, University of Connecticut

A Mixed-Methods Process for Nominating and Prioritizing Species for Conservation by the Zoological Community

Sandra Elvin, Association of Zoos and Aquariums

Wildlife and Habitat Management of the Chalk River Laboratories

Annie Morin, Canadian Nuclear Laboratories

Boreal Discovery Centre

Keith MacDonald, Boreal Discovery Centre

Climate Change Modifies Risk of Global Biodiversity Loss Due to Land-Cover Change

Chrystal Mantyka-Pringle, University of Saskatchewan

Pintail Habitat Selection at Multiple Scales - Applications for Conservation Planning

James Devries, Ducks Unlimited Canada - Institute for Wetland and Waterfowl Research

How to Log and Burn Spotted Owl Habitat

William Noble, 4 Forest Restoration Initiative, US Forest Service

Wildlife Management: the Manitoba Model

Barry Verbiwski, Government of Manitoba

Issues and Options for the Protection of Crown Lands Environment from Off-Road Vehicles

Samantha Stone, University of Manitoba

Session Title: Ecology and Habitat Relationships of Mammals

Does Drought Affect the Ability of Migratory Mule Deer to Surf the Green Wave?

Ellen Aikens, University of Wyoming

How Does Social Affinity of White-tailed Deer Vary with Relatedness?

Marie Tosa, Cooperative Wildlife Research Lab - SIUC

Dietary Resource Competition Between White-tailed Deer and Introduced Sika Deer

David Kalb, University of Delaware

Wolf-caribou Dynamics in the Barrenlands of the Central Canadian Arctic: Assessing a Numerical Response

Michael Klaczek, Natural Resources and Environmental Studies Graduate Program, University of Northern British Columbia

Deer and Elk Herbivory Effects on Shrub Recovery in Riparian Systems

Mary Rowland, USDA Forest Service Pacific Northwest Research Station

Season of Scarcity: Dynamic Effects of Snow Depth on Winter Habitat Selection of Deer in a Timber-Harvested Landscape

Sophie Gilbert, University of Alaska Fairbanks

Why Walk When You Can Swim? Long Distance Dispersal in American Beavers

Steve Windels, Voyageurs National Park

Spatial Interactions and Predation Risk in a Carnivore Community in the Upper Red Deer River, Alberta

Eric Spilker, University of Alberta

Forest Succession and Nutritional Carrying Capacity for Elk since the 1980 Eruption of Mount St. Helens

Shantel Sparkes, University of Alberta

Spatial Ecology and Movement of Reintroduced Canada Lynx

Frances Buderman, Department of Fish, Wildlife, and Conservation Biology, Colorado State University

Session Title: Population Assessments of Mammals

Factors Influencing the Power to Detect a Trend in Abundance Using Occupancy Modeling for the Southern Sierra Nevada Fisher Population

Jody Tucker, U.S. Forest Service

New look at an Old Method: Using Snow Track Surveys to Monitor Carnivores and Model Habitat at Multiple Spatial Scales

Andrew Crosby, Michigan State University

Population Viability of a Small, Isolated Mountain Lion Population Relative to Demography and Genetic Diversity in a Highly Fragmented Landscape

John Benson, University of California

Status of Adirondack Moose: Early Returns from Aerial Surveys and Animal Captures

Jacqueline Frair, SUNY-ESF Roosevelt Wild Life Station

An Evaluation of Methods to Estimate Deer Abundance

Jacob Haus, University of Delaware

Range-Wide Snow Leopard Phylogeography Reveals Major Regional Management Units

Jan Janecka, Duquesne University

Using Distance Sampling and Density Surface Models to Estimate Spatially-explicit Density Feral Swine and Collared Peccary in South Texas

Andrew Tri, Caesar Kleberg Wildlife Research Institute

The Space-time Continuum: a Spatio-temporal Approach to Estimate Native-exotic Carnivore Overlap

Zach Farris, Virginia Tech

Developing a Monitoring Framework to Estimate Wolf Population Dynamics in Southwest Alberta

Sarah Bassing, Montana Cooperative Wildlife Research Unit, University of Montana

Application of Novel Survey Methods in Nunavut to Estimate Abundance of Kivalliq Muskox Subpopulations

David Lee, Nunavut Tunngavik

Session Title: New Technology and Applications

Subpopulation-Scale Genetic Capture-Recapture of Loggerhead Turtles: Accounting for Site Fidelity in Clutch Frequency Estimations

Campbell Nairn, University of Georgia

Reliability of N-Mixture Models to Estimate Abundance of White-Tailed Deer

John Kinsey, Texas Parks and Wildlife Department, Kerr Wildlife Management Area

Impact of Nest Camera Monitoring: Do Behaviors Associated with Camera Installation Predict Nest Success of Sharp-tailed Grouse in Western North Dakota?

Rebecca Eckroad, the University of North Dakota

Applications of Time-lapse Imagery and Bioacoustics: Wildlife Activity, Landscape Changes, and Communicating Ecological Variability

Emma Brinley Buckley, University of Nebraska - Lincoln

Using GPS Collars to Determine Parturition and Cause-specific Mortality of Moose Calves

William Severud, University of Minnesota

Digital Camera Techniques and the Future of Resighting

Colin Dovichin, U. S. Geological Survey

Elk habitat effectiveness: Is there a universal model?

Dustin Ranglack, Montana State University

An Effective New Tool for Bobcat Capture-Recapture Surveys

Thomas Rounsville Jr., West Virginia University

Using Conservation Detection Dogs in Wildlife Studies; History and Case Studies

Gregory Davidson, Find It Detection Dogs

Wednesday, October 21 - Morning

Session Title: Conservation and Management of Mammals

A Matter of Taste? Geophagic Behavior of Free-ranging Ungulates on a Human Altered Landscape

Brittany Slabach, University of Kentucky

Trapping Efficiency and Incidental Take of Water Birds at Covered and Uncovered Floating Muskrat Sets

Susan Ellis-Felege, University of North Dakota

Differences in Summer Exposure to Predation Drive Annual Survival for Elk Calves

Jodi Berg, University of Alberta

Has the Chernobyl Exclusion Zone Become a Wildlife Reserve? First Empirical Evidence from Long-term Mammal Population Census Data

James Beasley, University of Georgia

Environmental Variability on Semi-arid Rangelands: Implications for Recruitment, Age Structure, and Harvest of White-tailed Deer

Kory Gann, Caesar Kleberg Wildlife Research Institute, Texas A&M University-Kingsville

Session Title: Conservation and Management of Urban Wildlife

Scaredy Cats: Human-Induced Fear Alters Predator-Prey Interactions

Justine Smith, University of California, Santa Cruz

Urban Mesopredator Distribution: Examining the Relative Effects of Landscape and Socioeconomic Factors

Seth Magle, Urban Wildlife Institute, Lincoln Park Zoo

Impacts of Urbanization on the Health and Stress of Amphibian Communities

Mary Beth Manjerovic, Lincoln Park Zoo

The Conservation of Reptiles and Amphibians in an Urban National Park: Fragmentation, Invasive Species, and the Translocation of Rare Species

Seth Riley, Santa Monica Mountains National Recreation Area

Effect of Anthropogenic Subsidies on Predator-prey Interactions

Jennifer Malpass, the Ohio State University

Session Title: Ecology and Habitat Relationships of Mammals

Evaluating Effects of Habitat and Predation on Shiras Moose Demography

Brendan Oates, Wyoming Cooperative Fish and Wildlife Research Unit, Department of Zoology and Physiology, University of Wyoming

Spatiotemporal Dynamics of Prey Use by Canada Lynx

Christa Szumski, University of Manitoba

Effects of Climate and Plant Phenology on Recruitment of Moose at the Southern Extent of Their Range

Kevin Monteith, Wyoming Cooperative Fish and Wildlife Research Unit, University of Wyoming

Effects of Diel Cycle and Lunar Illumination on Mountain Lion Hunting Behaviors

Kendall AuBuchon, Texas State University

Increasing Temperatures, Forage Chemistry, and Diet Composition in a Declining Moose Population

John Berini, University of Minnesota

Session Title: Human Dimensions and Education

Motivations for enrollment into the Conservation Reserve Enhancement Program in the James River Watershed of South Dakota, USA

Jarrett Pfrimmer, South Dakota State University

Numbers Served to Individual Impact: Teen Youth Conducting Field Research in the Chicago Metropolitan Area

Matthew Mulligan, Hurvis Center for Learning Innovation and Collaboration, Lincoln Park Zoo

Outcomes from a Youth Conservation Education Program: an In-School Immersion Model

Leslie Burger, Mississippi State University

WHY DID THE TURTLE CROSS THE ROAD (BIA27)? The transformation of Native American higher education

Alessandra Higa, Oglala Lakota College

Assessing the Economic Value of Tundra Swans in Eastern North Carolina

Kristin Frew, North Carolina State University

Session Title: Understanding and Mitigating the Effects of Development on Birds

Effects of Energy Infrastructure on Grassland Songbirds and Their Habitats

Nicola Koper, University of Manitoba

Chimney Swift Habitat Loss: a Mitigation Case Study

Firlotte Nicole, Manitoba Conservation and Water Stewardship

Evaluating the potential impacts of bioenergy production in the Southeast on bird communities

Isabel Gottlieb, University of Florida

Session Title: Understanding and Mitigating the Effects of Linear Features on Mammals

Using First Nation Community based Trapper Participation Programming to gather Data for Impact Assessments of Linear Development on Furbearers

Scott Johnstone, Manitoba Floodway and East Side Road Authority

The Assessment of Grey Wolf Foraging Behavior and the Evaluation of Risk to Boreal Woodland Caribou relative to Linear Development

Erin McCance, Joro Consultants Inc

Climate, Oil Development, and Roads Influence Pronghorn Population Dynamics in North Dakota

Katie Christie, University of Alberta

Narrow Seismic Lines May Mitigate Impacts of High Cumulative Seismic Line Density for Wildlife

Jesse Tigner, Explor

Wednesday, October 21 – Afternoon

Session Title: Concepts and Applications of Network Analysis in Wildlife Science

Why Network Analysis Is Useful for Wildlife Science: The Past, Present, and Future

Robert Fletcher, University of Florida

A New Generalized Network Model for Wildlife Movement and Disease Spread in Fragmented Landscapes

Marie-Josée Fortin, University of Toronto

Spatial Autoregressive Models for Ecological Inferences

Jay Ver Hoef, National Marine Mammal Laboratory

Circuit Theory and Wildlife Conservation: Promise, Pitfalls, and Future Directions

Brad McRae, the Nature Conservancy

Implications of Imperfect Detection and Sampling for Wildlife Networks

Brian Reichert, University of Florida

Using Spatial Demographic Networks to Identify Optimal Locations for Wetland Construction and Restoration

William Peterman, the Ohio State University

Wildlife Disease Dynamics and Contact Networks

Meggan Craft, University of Minnesota

Edge and Node Properties of Genetic Networks

Jeff Bowman, Ontario Ministry of Natural Resources and Forestry

Amphibian Dispersal and Distribution in Stream Networks

Evan Campbell Grant, USGS Patuxent Wildlife Research Center

Applying Social Network Analysis to Wildlife: a Case Study of American Black Bears

Jennifer Moore, Grand Valley State University

Session Title: Ecology and Habitat Relationships of Birds

White-tipped Dove Detection Probability, Habitat Occupancy, and Distribution in the Lower Rio Grande Valley, Texas

Thomas Enright, Tarleton State University

Thermal Constraints on Critical Life History Periods of Northern Bobwhite

J. Carroll, Oklahoma State University

The Influence of Parental Care on Offspring Condition and Recruitment Using a Long-term Dataset of an Island Population of Song Sparrows

Elizabeth Gow, University of British Columbia

Quantifying Measurement-timing Bias in Nest Vegetation Studies: a Paradox in Methodology

Mark McConnell, College of Forest Resources, Department of Wildlife, Fisheries, and Aquaculture, Mississippi State University

Effects of Tree Encroachment on Lesser Prairie-Chickens

Joseph Lautenbach, Kansas State University

American White Pelican Predation of Spawning Walleye on the Tamarac River, MN

Jake Graham, Bemidji State University

The Occupancy Dynamics of Ground-Dwelling Forest Birds in Ranomafana National Park, SE Madagascar

Hailey Boone, Virginia Tech

Goose-vegetation Relationships South of Queen Maud Gulf: Cause vs. Effect with Implications for Carrying Capacity?

Ray Alisauskas, Environment Canada

The Utility of the North American Breeding Bird Survey to Predict Habitat Relationships of Grassland Birds Using Prior Knowledge From a Small Scale Study

Patrick Farrell, Auburn University

Do Large Forested Areas Mitigate the Effects of Climate Change-induced Range Shifts on Insectivorous Birds?

Kathryn Frens, Michigan State University

Session Title: Ecology and Habitat Relationships of Mammals

A Designed Experiment to Assess Potential Impacts of Noise Pollution on a Bat Community

Katy Warner, Colorado State University

When Refuge Becomes Risk: An Empirical Test of the Landscape of Fear Theory

Tom Perry, University of Saskatchewan

Resource Heterogeneity and Competition between Two Alpine Ungulates

Pia Anderwald, Swiss National Park

Influences of Prescribed Fire and Herbicide Applications on Forage Availability for Cervids in the Cumberland Mountains, Tennessee

Jordan Nanney, University of Tennessee

Wolf-pack-size Persistence

Shannon Barber-Meyer, US Geological Survey

Can a Keystone Species Resume its Role After a Prolonged Absence? The Return of Black-tailed Prairie Dogs to Southeastern Arizona

Sarah Hale, University of Arizona

Linking Landscape-scale Resource Selection to Individual Nutritional Condition in a Coastal Alaska Moose Population

Kevin White, Alaska Dept. of Fish and Game, Div. of Wildlife Conservation

Bobcat Resource Selection in a Fire-maintained Longleaf Pine Forest in Southwestern Georgia

Andrew Little, University of Georgia

Lessons from Density-Dependent Habitat Selection in a Large Herbivore

Philip McLoughlin, University of Saskatchewan

Session Title: Rangeland Wildlife in the Northern Great Plains: Engaging for Success!

Grassland Restoration in the Northern Great Plains: Needs, Challenges, and Opportunities

Jonathan Haufler, Ecosystem Management Research Institute

Grassland Bird Populations: History, Mystery, and Hope

Douglas Johnson, U.S. Geological Survey

Impacts of Energy Development on Rangeland Wildlife in the Northern Great Plains

Jeffrey Beck, University of Wyoming

Economic Disincentives of Grazing in the Northern Great Plains

Sandy Smart, South Dakota State University

Land-use Change in the Northern Great Plains: Implications for Pollinator Conservation and Pollination Services

Clint Otto, United States Geological Survey, Northern Prairie Wildlife Research Center

Importance of Fire to Conserve and Restore Wildlife on Working Rangelands in the Northern Great Plains

Samuel Fuhlendorf, Oklahoma State University

Enhancing Use of Prescribed Fire as a Grassland Restoration Tool in the Northern Great Plains

Bill Vodehnal, Nebraska Game and Parks Commission

Twenty-five Years of Prescribed Management to Conserve Manitoba Tall-grass Prairie Biodiversity - Lessons Learned

Cary Hamel, Nature Conservancy of Canada

Session Title: Reptiles and Amphibians

Physiography is a Stronger Predictor of Occurrence than Land Use for a Fully Aquatic Salamander

Catherine Jachowski, Virginia Tech

Effects of Drought and Seasonal Precipitation on Columbia Spotted Frog Populations

David Pilliod, U. S. Geological Survey

Seasonal Surface Activity and Space Use of Timber Rattlesnakes in the Sunny South

Kimberly Andrews, Savannah River Ecology Laboratory

The Influence of Neighborhood Age on Streams and Salamander Assemblages in the Southern Appalachian Mountains

Nathan Weaver, Clemson University

A Population Assessment of a Threatened Crocodylian in Sumatra, the False Gharial (*T. schlegelii*)

Kyle Shaney, University of Texas, Arlington

Functional Equivalence of Created Wetlands: a Comparison of Larval Amphibian Development

Lauren McPherson, West Virginia University

Decision Analysis for Habitat Conservation of a Highly Endangered, Range Limited Salamander

Conor McGowan, USGS, Alabama Cooperative Fish and Wildlife Research Unit

Long-Term Population Dynamics of Wood Frogs on a Dynamic Prairie Pothole Landscape on the Northern Plains

Robert Newman, University of North Dakota

Session Title: Spatial Capture-Recapture Models: Methodological Developments and Applications

Grizzly Bears without Borders: Spatially Explicit Capture Recapture Population Monitoring in Southwestern Alberta

Andrea Morehouse, University of Alberta

Incorporating uncertain identity in spatial capture-recapture: application to fisher in New York

Daniel Linden, New York Cooperative Fish and Wildlife Research Unit, Cornell University

Estimating Abundance when Landscape Structure Determines Patterns of both Space-Use and Density

Chris Sutherland, Cornell University

Spatial Capture Recapture Design: Tradeoffs of Sampling Strategies and Cost

Tabitha Graves, USGS- Northern Rocky Mountain Science Center

Designing Cost-effective Monitoring Strategies Using Spatial Capture-recapture: a Case Study of Louisiana Black Bears

Jared Laufenberg, University of Georgia

Modeling Spatio-temporal Population Dynamics by Combining Distance Sampling and Capture-recapture Data

Richard Chandler, Univ. Georgia

Large Scale Population Estimation Integrating Spatial Capture-recapture, Occupancy, and Citizen Science Presence-absence Data

Catherine Sun, Cornell University

Corridor Design Applications of Spatial Capture-Recapture Models

Dana Morin, New York Cooperative Fish and Wildlife Research Unit, Department of Natural Resources, Cornell University

Spatial Capture-Recapture Methods for Acoustic Detection Data

Ben Stevenson, University of St Andrews

Spatial Capture-recapture Model Performance with Known Small-mammal Densities

Brian Gerber, Colorado State University

Session Title: Understanding and Mitigating the Effects of Development on Wildlife

Exurban Development Increases Black Bear Density and Disrupts Spatial Population Structure

Michael Evans, University of Connecticut

White-tailed Deer Fawn Movement and Survival in an Urban Park System

Sara Kennedy, the Ohio State University

Effects of Habitat Restoration and Climate Change on Scaled Quail in South-central New Mexico

Krysten Zummo, New Mexico State University, New Mexico Cooperative Fish & Wildlife Research Unit

Evaluating the Influence of Development on Ungulate Migrations

Teal Wyckoff, Department of Zoology and Physiology, University of Wyoming

Analyses and Potential Effects of Resource Development on Large Mammals and their Habitats in the Muskwa-Kechika Management Area, British Columbia, Canada

Nobuya (Nobi) Suzuki, NRES, University of Northern British Columbia

How Will Predicted Land Use Change Affect Waterfowl Spring Migration Stopover Ecology? Inferences from an Agent-based Model

William Beatty, U.S. Geological Survey

Bias in Visual Observations of Large Mammal Responses to Human Activities

Michael Wisdom, USDA Forest Service Pacific Northwest Research Station

Habitat Manipulation Influences Northern Bobwhite Resource Selection on a Reclaimed Surface Mine

Jarred Brooke, University of Tennessee

Effects of Disturbance on the Stress Response of Boreal Woodland Caribou and Wolves in Eastern Manitoba

Michelle Ewacha, University of Manitoba

Predicting the Influence of Urban Sprawl on Bat Habitat Use: a Multi-Scaled Perspective

Tracy Shoumaker, Arizona State University

Session Title: Wildlife Damage and Management of Human-Wildlife Conflict

Managing the Brown Treesnake Headache: Assessment of the Aerial Acetaminophen Bait Drop on Guam

Brian Dorr, USDA/WS/National Wildlife Research Center

Potential Increases in High Elevation Coyote Susceptibility to Neck Snaring Efforts During Breeding and Gestation Periods

Pat Jackson, Nevada Department of Wildlife

Temporal and Demographic Aspects of Polar Bear Visitation to Field Camps in Western Hudson Bay

Michel Laforge, University of Saskatchewan

What Happens to Translocated Wildlife? Survival and Movements of Translocated, Nuisance Woodchucks in the Greater Chicago Area

Elizabeth Lehrer, Urban Wildlife Institute, Lincoln Park Zoo

Raccoon Population Density Indexes in the Eastern United States

Dennis Slate, USDA, APHIS, WS

Evaluation of Anthraquinone as a Deterrent to Canada Goose Damage on Soybeans

Matt Gottlob, South Dakota State University

Mesopredator Removal Studies: Implications to Conservation of Mesopredators and Their Prey

Mike Conner, Joseph W. Jones Ecological Research Center

Conflict Mitigation in Manitoba- a Brief History and Current Status of the Polar Bear Alert Program

Daryl Hedman, Manitoba Conservation and Water Stewardship

The Future of Rodenticides in the U.S.: Can New Options Limit Environmental Risks While Increasing the Effectiveness of Management Efforts?

Roger Baldwin, University of California, Davis

Behaving, But At What Cost? The Effects of a Management Technique on a Baboon Troop in South Africa

Angela van Doorn, American University

Session Title: Wildlife Diseases and Toxicology

Applied Epidemiology for Wildlife Disease Management: Bovine Tuberculosis in the Greater Riding Mountain Ecosystem in Manitoba, Canada

Todd Shury, Parks Canada

Mercury and Cortisol in Western Hudson Bay Polar Bear Hair

Thea Bechshoft, University of Alberta, Department of Biological Sciences

An Update on the Status of White-Nose Syndrome in 2015

Jeremy Coleman, US Fish and Wildlife Service

Copper Bullet Demonstrations for Hunters: An Outreach Tool to Reduce Lead Poisoning in Wildlife

Brian Hiller, Bemidji State University

Occurrence of Snake Fungal Disease in Michigan's Eastern Massasauga Rattlesnakes

Jennifer Moore, Grand Valley State University

Impacts of Insecticide Plague Treatment on Deer Mice and Fleas in Prairie Dog Colonies

Lenora Dombro, Auburn University

Arsenic, Selenium, and Mercury Concentrations in Waterfowl Exposed to Coal Combustion Wastes and Consumption Risks for Humans

Ricki Oldenkamp, University of Georgia, Savannah River Ecology Laboratory

Scale-dependent Effects of Non-native Plant Invasion on Abundance of Host-seeking Blacklegged Ticks

Solny Adalsteinsson, University of Delaware

Prevalence of Six Viral and Bacterial Diseases in Wild Hogs in South Carolina (2007-2014)

Susan Sullivan, Clemson University

Epidemiology and Genetic Analysis of Lymphoproliferative Disease Virus (LPDV) in New York State

Katrina Alger, SUNY-ESF, State University of New York College of Environmental Science and Forestry

Session Title: Wildlife in Managed Forests: Perspectives for Northern Forests

Forestry and Wildlife in the North: Challenges, Opportunities and Trends

Andrew de Vries, Sustainable Forestry Initiative, Inc

Cold and Rare: Assessing Species at Risk and Forest Management in Canada

Darren Sleep, National Council for Air and Stream Improvement, Inc

Is There a Northern Limit to Sustainable Forestry in the North? A General Framework Using Quebec's Boreal Forest

Louis Imbeau, Université du Québec en Abitibi-Témiscamingue

An Overview and Synthesis of Recent Studies Pertinent to the Ecotoxicology of Glyphosate-based Herbicides as Used in Canadian Forest Vegetation Management

Dean Thompson, Natural Resources Canada

Changes to Wetland and Riparian Associated Bird Communities in Response to Forestry: Are There Thresholds?

Julienne Morissette, Ducks Unlimited Canada

Influence of Forest Management and Climate Change on Furbearers: Insights from Fur Harvest

Jeff Bowman, Ontario Ministry of Natural Resources and Forestry

Timber Harvest and Natural Disturbance Emulation: Lessons from Land and Water Birds

Thomas Nudds, University of Guelph

Is Forest Management that Emulates Natural Disturbance Patterns a Valid Caribou Conservation Strategy? RSPF and Disturbance Assessments

Robert Rempel, Centre for Northern Ecosystem Research, Ontario Ministry of Natural Resources and Forestry

Bats and Forest Management

Craig Willis, University of Winnipeg

Land Cover and Vegetation Factors Influencing Snowshoe Hare Occupancy in Michigan

Gary Roloff, Michigan State University