

Contributed Papers *(subject to changes)*

Session 31: Biometrics and Population Modeling

Estimating Florida Manatee Abundance from Sparse Data Using Integrated and Retrospective Population Models
Jeffrey A. Hostetler; Julien Martin; Michael Kosempa; Michael C. Runge; Catherine A. Langtimm; Holly H. Edwards

Inferring Infection Hazard in Wildlife Populations by Linking Data Across Individual and Population scales
Kim M. Pepin; Shannon L. Kay; Ben D. Golas; Susan A. Shriner; Amy T. Gilbert; Ryan S. Miller; Andrea L. Graham; Steven Riley; Paul Cross; Michael D. Samuel; Mevin B. Hooten; Jennifer A. Hoeting; James O. Lloyd-Smith; Colleen T. Webb; Michael G. Buhnerkemp

Time Series Sightability Modeling of Animal Populations
Althea ArchMiller; Robert M. Dorazio; Katherine St. Clair; John Fieberg

Bayesian Model-Based Age Classification Using Morphometrics and Capture Dates
Nathanael Lichti; Kenneth F. Kellner; Timothy J. Smyser; Scott A. Johnson

Hunters, Harvest and Herd Health: Investigating The Sociological and Ecological Dynamics of CWD through Data Integration.
Daniel Walsh; Mat Alldredge

Session 23: Biometrics and Population Modeling

Combining Individual-Based and Dynamic-Landscape Metapopulation Models to Identify Climate Change Threat to a Regional Songbird Population
Thomas W. Bonnot; W. Andrew Cox; Frank R. Thompson III; Joshua J. Millspaugh

Extending the Use of Conditional Occupancy Models to Understand the Role of Competitive Exclusion in an Endangered Plethodontid Salamander
Staci M. Amburgey; David A.W. Miller; Evan H.C. Grant

Estimating Denning Date of Wolves with Daily Movement and GPS Location Fix Failure
Pat Walsh; Suresh Sethi; Bryce Lake; Buck Mangipane; Ryan Neilson; Stacy Lowe

Modeling Plague Dynamics to Optimize Vaccination Strategies
Robin E. Russell; Martin D. Grunnill; Katherine L.D. Richgels; Tonie E. Rocke

An Evolving Sightability Model for a Low-Density Moose Population Using Distance Sampling
Rachel E. Wheat; Jacqueline Frair

Evaluating the Roles of Propagule Size, Life History, and Environmental Conditions on the Establishment Success of an Invasive Species Using Transient Dynamics Models
Michael A. Tabak; Ryan S. Miller

A Range-Wide Species Status Assessment to Evaluate Past Trends and Future Viability of the Red-Cockaded Woodpecker
Stephanie DeMay; Michael Marshall; Will McDearman; Jeffrey Walters

Simulations Inform Design of Regional Occupancy-Based Monitoring for a Sparsely Distributed, Mobile Species
Quresh S. Latif; Martha M. Ellis; Victoria A. Saab; Kim Mellen-McLean

Identifying Limits to Red-Cockaded Woodpecker Population Growth
Emily Brown; Cynthia Ragland; Paige F. B. Ferguson

Intervals of Resource Selection Across Telemetered Animals Enhances Interpretations of Habitat Requirements
Brian S. Cade; Douglas S. Ouren

Session 85: Biometrics and Population Modeling

Estimating Bird Species' Responses to Sandhill Habitat Restoration in the Southeastern United States: Single-Visit Surveys, an Unbalanced Design, and Varying Methodologies
Bryan L. Nuse; Matt Elliott; Clinton T. Moore

Timing of Predation and Carnivore Movement in an Urban-Wildland Interface
Frances Buderman; Mevin Hooten; Mat Allredge

A Bayesian Hierarchical Model of Loggerhead Sea Turtle Nest Success Response to Extreme High Tide Events
Alicia Wilson

Estimating the Survival of Dependent Young from Repeated Counts: A Hierarchical Bayesian Approach
Timothy P. Lyons; Kirk W. Stodola; Thomas J. Benson

Data Weighting for Integrated Population Models
Charles R. Henderson; Paul M. Lukacs; Mark A. Hurley

Session 101: Biometrics and Population Modeling

Novel Application of Adaptive Sampling Principles to Spatial Capture-Recapture
Alec Wong; Jeffrey A. Royle; Angela Fuller

Open Population Spatial Capture-Recapture Models - Promises and Challenges Capture-Recapture Models - Promises and Challenges
Rahel Sollmann; Beth Gardner; Jerrold Belant

Quantifying Spatial Variation in Growth in a Recovering Grizzly Bear Population
Tabitha Graves; Amy MacLeod; J. Andrew Royle; Kevin McKelvey; John Boulanger; Katherine Kendall

Development of a Decision Support Tool for Identifying Quality Habitat and Prioritizing Habitat Restoration for Ocelots in South Texas
Sarah E. Lehnen; Mitch Sternberg; Steven E. Sesnie; Hilary Swarts

Generalized Spatial Partial Identity - a Generalization and Extension of Current Spatial Capture-Recapture Models with Latent Individual Identities
Ben C. Augustine; J. Andrew Royle; Marcella J. Kelly

Identifying Unique Individuals Using Natural Pelt Patterns to Estimate Population Abundance with Mark-Resight Models
Ben S. Teton; Jesse S. Lewis; Christina Tombach Wright; Mike White; Hillary Young

Novel Methods to Estimate Abundance of Unmarked Animals Using Camera Trap Data
Anna K. Moeller; Paul M. Lukacs; Jon Horne

Single Survey Bobcat Density Estimation Using Fecal DNA and Spatial Capture Recapture
Dana J. Morin; Lisette P. Waits; David C. McNitt; Marcella J. Kelly

Estimating Puma Population Densities from Camera Trap Data Using Generalized Spatial Partial Identity Models
Christopher Rowe

The Influence of Population Density on the Expression of Heterogeneity in Reproductive Traits in a Long-Lived Marine Predator, the Grey Seal
Janelle Badger; W. Don Bowen; Cornelia den Heyer; Greg A. Breed

Session 102: Conservation and Ecology of Bird - Game Birds

Identifying Disturbance Thresholds to Assess Effectiveness of Core Area Conservation Metrics for Greater Sage-Grouse

Jeffrey L. Beck; Christopher P. Kiriol; Kurt T. Smith; Nicholas E. Graf; Jonathan B. Dinkins; Chad W. LeBeau; Thomas L. Maechtle; Andrew L. Sutphin

Effects of Spring Cattle Grazing on Nest Survival of Greater Sage-Grouse in Southern Idaho.

Andrew R. Meyers; Courtney J. Conway; David D. Musil; Karen Launchbaugh; Shane Roberts

Short-Term Demographic Response of Greater Sage-Grouse to Habitat Treatments

Jason R. LeVan; Kurt T. Smith; Jeffrey L. Beck

Prey for Sage-Grouse: Impacts of Livestock Grazing

David M. Gotsch; Courtney J. Conway; David D. Musil; Shane B. Roberts

Greater Sage-Grouse Habitat and Demographic Response to Grazing by Non-Native Ungulates

Phillip A. Street; Tessa L. Behnke; Levi Jaster; James S. Sedinger

Sharp-tailed Grouse Occupancy Dynamics in Areas Open and Closed to Hunting in Michigan

David R. Luukkonen; David Jentoft

Effect of Wind Turbine Presence on Pheasant Distribution in Central Iowa

James N. Dupuie Jr.; Stephen J. Dinsmore; Julie A. Blanchong

Assessing the Umbrella Effect of Greater Sage-Grouse Management on Golden Eagles in the Western United States

Jason D. Carlisle; Geoffrey Bedrosian; Trent L. McDonald

Factors Affecting Nesting Propensity in Greater Sage-Grouse

Tessa L. Behnke; Phillip A. Street; James S. Sedinger

Species Distribution Models for the Dusky Grouse in the American Southwest: Implications for Conservation and Climate Change

Joseph A. Youtz; Reza A. Goljani; Jennifer K. Frey

Session 22: Conservation and Ecology of Birds

Protected Areas Facilitate Species Persistence by Reducing Extinction and Improving Colonization

Michelle Peach; Jonathan Cohen; Jacqueline Frair

Identifying Western Yellow-Billed Cuckoo Breeding Habitat with a Dual Modeling Approach

Matthew J. Johnson; Jennifer Holmes; James R. Hatten

Avian Response to Shade Layer Restoration in Coffee Plantations in Puerto Rico

Amarilys D. Irizarry; Jaime A. Collazo

Wintering Avian Occupancy on West Virginia Agricultural Conservation Easement Program Wetlands

Katharine Lewis; Christopher Rota; James T. Anderson

Applying Conservation Filters to Bird Diversity on Managed Forests

Andrew D. Crosby; William F. Porter

Session 24: Conservation and Ecology of Birds

Adaptations of Tidal Marsh Sparrows to a Changing Environment

Alison R. Kocek; Jonathan B. Cohen; Bri Benvenuti; Alyssa Borowske; Chris S. Elphick; Christopher R. Field; Laura Garey; Thomas P. Hodgman; Adrienne I. Kovach; Rebecca A. Kern; Brian J. Olsen; Samuel G. Roberts; Katharine J. Ruskin; W. Gregory Shriver; Je

Shorebird Nest Attendance in Response to Research Activities

Alicia K. Andes; Terry L. Shaffer; Mark H. Sherfy; Colin M. Dovichin; Susan N. Ellis-Felege

Secretive Marshbird Response to Wetland Plant Management in Western Minnesota

Nina Hill; David E. Andersen; Douglas H. Johnson; Tom Cooper

Ecological State Change of Saline Lakes on the Southern High Plains

David Haukos; Warren Conway; Destiney Hett; Brandon Weihs

To Exclude Or Not? a Decision Support Tool for Piping Plover Management

Abigail Darrah; Jonathan Cohen; Paul Castelli

Piping Plover Population Irruptions Following Habitat Creating Events

Samantha G. Robinson; James D. Fraser; Daniel H. Catlin; Sarah M. Karpanty; Kelsi L. Hunt; Ruth Boettcher; Alexandra Wilke; Kevin Holcomb; Jon Altman

Heading for Higher Ground: Adapting Marsh Bird Management as Sea Level Rises

Paul J. Taillie; Christopher E. Moorman; Benjamin Poulter

Demographic Consequences of Road Mortality to Snowy Plovers in Northwest Florida

Maureen M. Durkin; Jonathan Cohen

Developing Range-Wide Occupancy Models for King Rails: Optimizing Predictive Capabilities Across Spatial Scales

Bryan S. Stevens; Courtney J. Conway

Discovery of an Important Stopover Location for Migratory Piping Plovers on South Point, Ocracoke Island, North Carolina

Chelsea E. Weithman; Daniel Gibson; Sidney B. Maddock; James D. Fraser; Sarah M. Karpanty; Daniel H. Catlin

Session 49: Conservation and Ecology of Birds

Does Wild Bird Feeding Improve Nest Survival or Clutch Size of Target Species?

Robyn L. Bailey; David N. Bonter

Managed Housing Is A Critical Component to Population Persistence of the Eastern Purple Martin

Blake A. Grisham; Daniel Raleigh; Daniel U. Greene; James D. Ray; Joe Siegrist

Effects of Livestock Grazing Management on the Abundance of Grassland Birds in a Northern Mixed-Grass Prairie Ecosystem

Skyler Vold

Nonnative Grasses Decouple Density and Nest Success in Grassland Birds

Erik M. Andersen; Robert J. Steidl

Understanding Landscape Scale Habitat Associations And Mapping Core and Potential Breeding Habitat for the Tricolored Blackbird

Chad Wilsey; Nicole Michel; Lotem Taylor; Samantha Arthur; Neil Clipperton

Grassland Bird Response to Annual Herbaceous Biomass Harvest on the Leopold Wetland Management District, Wisconsin

BJ Byers; Christine Ribic

Estimating the Effect of Perennial Vegetation in an Agricultural Landscape on Grassland Birds

Julia Dale; Matt Stephenson; Lisa Schulte Moore; Robert Klaver

Sandhill Crane Winter Fidelity on the Southern High Plains

Kathryn J. Brautigam; Blake A. Grisham; William P. Johnson; Daniel P. Collins; Shaun L. Oldenburger; Jude R. Smith; Nichole D. Athearn; Warren C. Conway

Effects of Biosolids on Grassland Wildlife in British Columbia

Kirstie J. Lawson; Karen E. Hodges; Frank Doyle

Using Stable Isotopes to Estimate Reliance on Agricultural Food Subsidies And Migration Timing for a Migratory Bird

Matthew A. Boggie; Scott A. Carleton; Daniel P. Collins; John Vrandenburg; Christopher J. Sroka

Session 32: Conservation and Ecology of Birds

The Effects of Beetle-Induced Tree Death on Forest Songbird Diversity in the Western United States

William M. Janousek; Victoria J. Dreitz

Monitoring Avian Response to Explosive Testing, Wildland Fire Mitigation Measures, and Precipitation

Jesse Berryhill; Charles D. Hathcock; Brent Thompson

Migratory Behavior and Dispersal of Burrowing Owls throughout North America

Courtney J. Conway; David H. Johnson; Carl G. Lundblad; Julie L. Conley

Scavenger Removal of Bird Carcasses at Simulated Wind Turbines: Does Carcass Type Matter?

Travis L. DeVault; Thomas W. Seamans; Kimberly E. Linnell; Dale W. Sparks; James C. Beasley

Woodpecker Nest Survival in Relation to a Mountain Pine Beetle Outbreak

Victoria Saab; Matthew Dresser; Quresh Latif; Jay Rotella; Jonathan Dudley

Session 33: Conservation and Ecology of Birds - Raptors

Recent Colonization of North American Urban Landscapes by Accipiter Hawks

Jennifer D. McCabe; Benjamin Zuckerberg

The Return of Bald Eagles: Spatiotemporal Dynamics of a Recovering Apex Predator and Shifting Management Impacts

Jennyfer Cruz; Steven Windels; Wayne Thogmartin; Shawn Crimmins; Ben Zuckerberg

Survival and Dispersal of Juvenile Golden Eagles in the Southern Great Plains and Trans Pecos Regions

Natasia Mitchell; Dale Stahlecker; Ben Skipper; Robert Murphy; Clint Boal

Dynamic Multistate Occupancy Models Indicate a Cost of Reproduction in Bald Eagles

Tammy L. Wilson; Joshua H. Schmidt

First-Year Dispersal of Golden Eagles from Natal Areas in the Southwestern United States and Implications for Conservation

Robert K. Murphy

Session 34: Conservation and Ecology of Birds - Game Birds

Lesser Prairie-Chicken Brood Ecology in Response to Land Management in the Sand Shinnery Oak Prairie Ecoregion

Daniel U. Greene; Blake A. Grisham; Sarah R. Fritts; Clint W. Boal; David A. Haukos; Robert D. Cox; Willard R. Heck

"Flushing Out" the Relationship between Grasslands, Conservation Reserve Program Enrollments and Greater Prairie-Chicken Populations in Minnesota

Kalysta I. Adkins; Charlotte Roy; David E. Andersen; Robert G. Wright

Lesser Prairie-Chicken Habitat Selection During Extreme Temperature Events

Jonathan Lautenbach; David Haukos; Blake Grisham

A Tale of Chicken Little and Little Brown Jobs: Umbrella Species Conservation for the Lesser Prairie-Chicken and Grassland Avifauna of the Southern Great Plains

David C. Pavlacky; Anne M. Bartuszevige; Richard Iovanna; Christian A. Hagen; Fawn E. Hornsby

Tradeoffs of Nest and Brood Habitat Availability for Lesser Prairie-Chickens

Daniel S. Sullins; Joseph M. Lautenbach; David A. Haukos

Session 56: Conservation and Ecology of Birds - Game Birds

Thermally Usable Space May Become Limiting for Northern Bobwhites

Benjamin R. Olsen; Timothy E. Fulbright; Fidel Hernandez; Eric D. Grahmann; David B. Wester; Michael W. Hehman

Spatiotemporal Variation in Multiscale Space Use by Wild Turkeys

Ryo Ogawa; Jerrold L. Belant; Adam B. Butler; Scott A. Rush; Darren A. Miller; Guiming Wang

Density Estimation and Habitat Modeling for Pheasant Population Restoration in Pennsylvania

Lacey Williamson; Scott Klingler; Duane Diefenbach; David Walter

Phylogenomics Analysis of Bobwhite Quail in Southern Arizona and Mexico

Karla Vargas; David Brown; Melanie Culver

Resource Selection by American Woodcock During Fall Migration at Cape May, New Jersey

Brian B. Allen

Session 86: Conservation and Ecology of Birds - Waterfowl

Spring Migration Strategies of Mallards and American Black Duck That Winter in the Finger Lakes Region

Justin M. Droke; Michael Schummer; Jonathan Cohen

Using Camera Technology to Validate Waterfowl Nest Monitoring Protocols

Sam R. Krohn; John Palarski; Nickolas Conrad; Ryann Cressey; Kaylan Carrlson; Tom Buhl; Susan Ellis-Felege

Impacts of Spatiotemporal Variation in Migration Chronology on the Fall Inventory of Midcontinent White-Fronted Geese

Douglas C. Osborne; Ryan J. Askren

From Bluebills to Bivalves: Lesser Scaup Diets and Population Trends on Lake Pontchartrain

Clay M. Stroud; Kevin M. Ringelman; Michael A. Poirrier; Claire E. Caputo

Variables Influencing the Wintering Distribution of Black Scoters in the South Atlantic

Hannah M. Plumpton; Emily D. Silverman; Beth E. Ross

Session 70: Conservation and Ecology of Birds - Waterfowl

Spatiotemporal Changes in Wintering Harvest Distribution of Midcontinent White-Fronted Geese

Callie B. Moore; Douglas C. Osborne

Habitat Selection of Wintering Waterfowl Communities at Anahuac National Wildlife Refuge

Tiffany C. Lane; Blake A. Grisham; Jena A. Moon; David A. Haukos; Warren C. Conway

Long-Term Trends and Future Projects of Weather Severity Indices for Dabbling Ducks in Eastern North America

Michael L. Schummer; Michael Notaro; Lena Van Den Elsen Van Den Elsen; John Coluccy; Michael Mitchell

Adaptive Nest Site Selection Influences Cinnamon Teal Nest Survival In Colorado

Casey M. Setash; William L. Kendall; David Olson

Body Condition of Arctic Geese Wintering in Arkansas Arctic Geese Wintering in Arkansas

Ethan R. Massey; Douglas C. Osborne

Quantifying Changes and Drivers of Mottled Duck Density in Texas

Beth E. Ross; David A. Haukos; Patrick Walther

Habitat Selection of Adult Female Mallards in the Lake St. Clair Region During Autumn and Winter

Matthew D. Palumbo; Scott A. Petrie; Michael L. Schummer

Hybridization and Population Structure of the Chihuahuan Desert Endemic Mexican Duck

Joshua I. Brown; Philip Lavretsky

Determining Hybrids and Rates of Hybridization: Population Genomics of Lesser and Greater Scaup

Philip Lavretsky

Survival and Reproductive Success of Mottled Ducks on the Upper Texas Coast

Trey McClinton; Heather A. Mathewson; Stephen K. McDowell; Jared D. Hall

Session 87: Conservation and Ecology of Mammal

Floods to Fire: Evaluating Sitatunga Space-Use During Varying Hydrologic Conditions

Camille H. Warbington; Mark S. Boyce

Savanna Elephant Numbers Are Only a Quarter of Their Expected Values

Ashley S. Robson; Morgan J. Trimble; Andrew Purdon; Kim Young-Overton; Stuart L. Pimm; Rudi J. van Aarde

Spatiotemporal Dynamics in Space Use of Mongolian Gazelle: Conservation Implication of Nomadic Movements

Nandintsetseg Dejid; Chloe Bracis; Kirk Olson; Thomas Mueller

Movement Ecology, Habitat, and Nutrient Transfer Dynamics of the Common Hippopotamus

Tristan Nunez; Douglas J. McCauley; Justin Brashares

Ecosystem Engineering by Subterranean Insects Buffers Large Mammals Against Climate Warming

Ryan Long; Elyce Gosselin; Savannah Kollasch; Warren P. Porter; Robert M. Pringle

Session 88: Conservation and Ecology of Mammals

Assessing Snowshoe Hare Distribution and Abundance in the Face of Climate Change

Shawn M. Cleveland; Brian Underwood

Scared to Death: the Lethal Effects of Non-Lethal Predator Exposure

Michael Sheriff

A Survey of the Parasites of the Native New England Cottontail, the Introduced Eastern Cottontail and Cottontail Habitat in the Lower Hudson Valley

Samantha L. Mello; Jonathan B. Cohen; Christopher M. Whipps

Movement and Dispersal in a Rare Native Lagomorph And a Common Invasive Competitor: Implications for Metapopulation Management

Amanda E. Cheeseman; Jonathan B. Cohen; Sadie J. Ryan; Christopher M. Whipps

Restoration of a Rare Lagomorph: Current Status and Approach for Monitoring Remnant New England Cottontail Populations

Adrienne I. Kovach

Session 57: Conservation and Ecology of Mammals

Treading Water: Status of Freshwater Semi-Aquatic Mammals in a Rapidly Changing World

Glynnis A. Hood

Influence of Manatees' Diving on Their Risk of Collision with Watercraft

Holly H. Edwards; Julien Martin; Charles J. Deutsch; Robert G. Muller; Stacie M. Koslovsky; Alexander J. Smith; Margaret E. Barlas

Indirect Effects of Human Disturbance: How Risk-Averse Behavior Affects Use of the Foodscape

Samantha Dwinnell; Hall Sawyer; Jill Randall; Jeffrey L. Beck; Gary L. Fralick; Kevin L. Monteith

Seasonal Shifts in Marine Mammal Core Use Areas and Vessel Traffic in the Alaskan Arctic Ocean

Benjamin K. Sullender; Melanie Smith

Development of On-Shore Behavior Among Polar Bears in the Southern Beaufort Sea: Inherited Or Learned?

Kate Lillie

Session 58: Conservation and Ecology of Mammals

Where the Wild Things Are: Influence of Radiation on the Distribution of Four Mammalian Species within the Chernobyl Exclusion Zone

Sarah Webster

The Landscape of Fear May Play a Minimal Role in the Spatiotemporal Distribution of Urban Mammals

Travis Gallo; Mason Fidino; Elizabeth Lehrer; Seth Magle

A Dollar Out of Fifteen Cents: Estimating Fosa (*Cryptoprocta ferox*) Density in Northeastern Madagascar from Sparse Data

Asia Murphy; Brian Gerber; Marcella Kelly; Sarah Karpanty; Felix Ratelolahy; Zach Farris

Habitat Use and Movement Patterns of Wildlife on the Kenai Peninsula, Alaska Informs Mitigation Strategies for Highways

Lowell H. Suring; William L. Gaines; James S. Begley

Wildlife Movement Models for Conservation Planning along Linear Barriers

Eric Abelson

Session 50: Conservation and Ecology of Mammals

Behavioral Responses in the Endangered Sonoran Pronghorn to Variation in Short- and Long-Term Risk Arising from Border-Related Human Activity

Stephanie E. Doerries; David A. Christianson

Mitochondrial, Microsatellite, and Genomic Single Nucleotide Polymorphisms Markers for Assessing Landscape-Scale Population Structure and Diversity in Bighorn Sheep Across Wyoming, United States

Sierra M. Love Stowell; Roderick B. Gagne; Holly B. Ernest

Disentangling the Gordian Knot of Mountain Lion Predation on Bighorn Sheep

Eric M. Rominger

When, Where, and Why Do Contacts Occur? Investigating Interactions between Bighorn Sheep in and Around Glacier National Park

Marie I. Tosa; Tabitha A. Graves; Mark J. Biel; Daniel W. Carney; Barb Johnston; Paul C. Cross; Kim A. Keating

Evaluation of Aerial Population Estimation Techniques for Pronghorn in Texas

Caroline L. Ward; Randy W. DeYoung; Timothy E. Fulbright; David G. Hewitt; Shawn S. Gray

Resource Selection in Desert Bighorn Sheep: Trade-Offs Associated with Recruitment

Marcus Blum; Kelley Stewart; Mike Cox; Brian Wakeling; Brian Wakeling

Desert Bighorn Sheep Behavioral Responses to Recreation and Urban Visitor Use of the Pusch Ridge Wilderness Area, Arizona

Brett C. Blum

Role of Harvest and Environmental Factors on Horn Size of Mountain Sheep

Taylor N. LaSharr; Ryan A. Long; James R. Heffelfinger; R. Terry Bowyer; Vernon C. Bleich; Paul R. Krausman; Justin M. Shannon; Kevin L. Monteith

Effects of Sampling Time on Bone Marrow Fat Estimates

Jacob Kay; Dr. James W. Cain III

Quantifying Endocrine Response to Anthropogenic Stressors Associated with Border Activity in Free Ranging Pronghorn

David Christianson; Stephanie Doerries; Susannah Woodruff; Lisette Waits

Session 103: Conservation and Ecology of Mammals

Assessing Site Occupancy of the Oscura Mountains Colorado Chipmunk Using Camera Traps

Ian E. Perkins-Taylor; Jennifer K. Frey

Fight! Fight! Fight! Tail Wounds as Indicators of Agonistic Behavior and Predation Attempts in America Beavers.

Steve Windels

Habitat Characteristics of the Hoary Marmot: Assessing Distribution Limitations in Montana

Ben Y. Turnock; Andrea R. Litt; John M. Vore; Christopher M. Hammond

Protected Avian Predators Challenge Continued Survival of an Endangered Endemic Forest Mammal

Emily A. Goldstein; Melissa J. Merrick; John L. Koprowski

Rodent Response to Harvesting Wood for Energy

Sarah Fritts; Chris E. Moorman; Steve M. Grodsky; Dennis W. Hazel; Jessica A. Homyack; Chris B. Farrell; Steven B. Castleberry; Emily H. Evans; Daniel U. Greene

What to Eat in a Warming World: Do Increased Temperatures Necessitate Hazardous Duty Pay?

Embere Hall; Anna Chalfoun

Weather and Prey Predict Mammals' Visitation to Water

Grant Harris; Jim Sanderson; Jon Erz; Sarah Lehnen; Matthew Butler

Range-Wide Conservation Genomics of Black-tailed Prairie Dogs

John A. Erwin; Robert Fitak; Melanie Culver

Landscape Genetics of American Beaver within Coastal Oregon Basins

Jimmy Taylor; Vanessa Petro; Clinton Epps; Tyler Creech; Rachel Crowhurst

Does Lack of Nest-Building Foundations Limit an Arboreal Folivore in Young Forest?

Mark Linnell; James Swingle; Damon Lesmeister; John Bailey; Eric Forsman

Session 104: Conservation and Ecology of Mammals

Elk Selection for Vacant Predator Niches Favors Coexistence with Wolves And Cougars in Northern Yellowstone National Park.

Michel T. Kohl; Toni K. Ruth; Daniel R. Stahler; Mathew C. Metz; Douglas W. Smith; Daniel R. MacNulty

The Jaguar in El Cielo Biosphere Reserve, Tamaulipas, Mexico

Rogelio Carrera-Trevino; Ivan Lira-Torres; Luis Martinez-Garcia; Martha Lopez-Hernandez

Fear of the Human "Super Predator" Reduces Feeding Time in a Large Carnivore

Justine A. Smith; Justin Suraci; Michael Clinchy; Ayana Crawford; Devin Roberts; Liana Zanette; Chris Wilmers

Habitat Use Patterns of Mountain Lions in Relation to Behavioral State: Implications for Connectivity

Laura C. Gigliotti; Marc R. Matchett; David Jachowski

A Novel Application of Dynamic Occupancy Models with False Positive Errors to Quantify the Seasonal Use of Sugarcane Farmlands in Northern India by Tigers

Rekha Warriar; Barry R. Noon

Estimating Detection of Prey Items in Bobcat Diet Using an Occupancy Framework

Summer D. Higdon; Dana J. Morin; Jennifer L. Holub; David M. Montague; Michael L. Fies; Lisette P. Waits; Marcella J. Kelly

Landscape And Habitat Use for a Large Carnivore in the City: Use and Selection for Mountain Lions Around Los Angeles

Seth P. D. Riley; John F. Benson; Jeffrey A. Sikich

Feeding Ecology of Neotropical Jaguars: New Perspectives from Next-Generation Sequencing

Claudia Wultsch; Marta DeBarba; Lisette P. Waits; Howard Quigley; Marcella J. Kelly; Konstantinos Krampis

Foraging Behavior of Coyotes Under Intraguild Predation Risk by Cougars: an Experimental Approach

Julie K. Young; Peter Mahoney

Threats to Fishing Cats and Smooth Coated Otters in Godavari Mangroves

Srikanth Manneperi; Ananth Reddy

Session 77: Conservation and Ecology of Mammals - Carnivores

Preliminary Predation Patterns of Cougars and Wolves in an Area of Sympatry

Elizabeth K. Orning; Katie M. Dugger; Darren A. Clark

Variable Effects of Harvest within and Across Wolf Packs in the Rocky Mountains

Sarah B. Bassing; Dave E. Ausband; Mike S. Mitchell; Paul M. Lukacs; Mike K. Schwartz; Greg Hale; Lisette P. Waits

Assessing Translocation Strategies for Swift Fox in the Northern Great Plains

Donelle Schwalm; Kristy Bly

Wolf Recolonization Threatens Caribou Persistence on Michipicoten Island, Ontario

Brent R. Patterson; Arthur R. Rodgers; Jen Shuter; Carol Dersch; Steve Kingston; Evan McCaul

Resource Selection by Coastal Wolves Reveals the Seasonal Importance of Seral Forest and Suitable Prey Habitat

Gretchen H. Roffler; David P. Gregovich; Kristian R. Larson

Estimating Recruitment of Wolves with Limited Data

Allison C. Keever; Michael S. Mitchell; Kevin M. Podrutzny; Angela D. Luis; James T. Peterson

Using Genetic Pedigree Reconstruction to Support Recovery of the Wild Mexican Gray Wolf Population

Jennifer R. Adams; Colby Gardner; Dyan Straughan; Maggie Dwire; Sherry Barrett; Lisette P. Waits

Can Sustainable Populations of Reintroduced Large Carnivores Exist Beyond Large Protected Areas without Ongoing Conservation Management?

Jay V. Gedir; James W. Cain III; John K. Oakleaf

Harvest and Group Effects on Pup Survival in Gray Wolves

David Ausband; Mike Mitchell; Carisa Stansbury; Jennifer Stenglein; Lisette Waits

Trophic Ecology and Activity Patterns of Mountain Lion and Culpeo Fox in Chilean Central Andes

Christian T. Osorio Popiolek; Ana S. Muñoz; Nicolás Guarda; Marcella Kelly; Cristian Bonacic

Session 51: Conservation and Ecology of Mammals - Carnivores

A Novel Approach to Estimation of American Badger Density Using Spatially Explicit Capture-Recapture Models and Automatic Cameras at Water Sources in the Chihuahuan Desert

Robert Harrison; Matthew Gould

Occupancy Dynamics of River Otter as a Function of Stream And Riparian Communities

Angela Holland; Eric Hellgren; Clayton Nielsen; Eric Schaubert

Comparison of Raccoon and Opossum Population Sizes Estimated from Traditional Mark-Recapture and Camera Trap Techniques

Breann Ross; Russell Burke; Lorenza Beati; Howard Ginsberg; Graham Hickling; Nicholas Ogden; Jean Tsao

Resting Microsite Use by Fishers and Boreal Martens: Role of Thermal Stress Across Species and Regions

Michael J. Joyce; Andrzej Zalewski; John D. Erb; Ron A. Moen

Quantifying Rest Structure Reuse Rates by Pacific Martens on the Lassen National Forest, California

Matthew Delheimer; Katie Moriarty; Marie Martin; Patrick Tweedy

Distinguishing Reintroduction from Recolonization with Genetic Testing

Frances Stewart; John Volpe; John Taylor; Jeff Bowman; Philippe Thomas; Margo Pybus; Jason T. Fisher

Niche Overlap of Competing Carnivores Across Climactic Gradients and the Conservation Implications of Climate Change at Geographic Range Margins.

Jody M. Tucker; William J. Zielinski; Kerry M. Rennie

Fisher Reproductive Parameters in the Southern Sierra Nevada Relative to the Broader Range

Rebecca E. Green; Kathryn L. Purcell; Craig M. Thompson; Douglas A. Kelt; Heiko U. Wittmer

Subsistence Livelihoods Have Low Impact on Mammalian Occupancy in Southeastern Nicaragua Despite Widespread Declines.

Lauren T. Phillips; Gerald R. Urquhart; Robert A. Montgomery

Finding the Eastern Spotted Skunk: Developing a Non-Invasive Hair Snare Method for the Collection of Eastern Spotted Skunk Genetic Material

Brian S. Wuertz; Geriann Albers; Colleen Olfenbuttel; Casey Gray; Ryan Sparks; Andrew Kota; Liesl Erb

Session 35: Conservation and Ecology of Mammals - Cervids

Weather and Landscape Factors Affect White-tailed Deer Neonate Survival at Ecologically Important Life Stages in the Northern Great Plains

Eric S. Michel; Jonathan A. Jenks; Kyle D. Kaskie; Robert W. Klaver; William F. Jensen

Juvenile Survival of Mule Deer in the Blue Mountains of Oregon

NATHAN J. JACKSON; KELLEY M. STEWART; DARREN A. CLARK; MICHEAL J. WISDOM

Modeling White-tailed Deer Survival and Recruitment with Novel Spatial Capture-Recapture Models and Camera Data

Kristin N. Engbretsen; Michael J. Cherry; Elina Garrison; Karl V. Miller; Richard B. Chandler

Responses of Female White-tailed Deer to Hunting Activity in Two Different Ecoregions of Missouri

Chloe A. Wright; Jon T. McRoberts; Joshua J. Millspaugh; Barbara J. Keller; Kevyn H. Wiskirchen

Habitat Selection by Female Mule Deer: Tradeoffs Associated with Reproduction

Levi J. Heffelfinger; Kelley M. Stewart; Kevin T. Shoemaker; Neal W. Darby; Vernon C. Bleich

Session 59: Conservation and Ecology of Mammals - Cervids

Reproductive Effort and Success of Male White-tailed Deer: Trade-Offs in Time Spent Foraging Vs Mate-Search

Aaron M. Foley; Randy DeYoung; David Hewitt; Matthew Schnupp

Genetic Contribution of Northern Stock Sources to Free-Range Populations of White-tailed Deer in Southcentral United States

Jordan L. Youngmann; Steve Demarais; Randy W. DeYoung; Bronson Strickland; Johnathan Bordelon; Chris Cook; William McKinley

While Males Fight, Females Choose: Male Phenotypic Quality Informs Female Mate Choice in Mammals

Daniel L. Morina; Steve Demarais; Bronson K. Strickland; Jamie E. Larson

Do Antler Point Restrictions Make a Notable Impact?

Rebecca L. Cain; Brent Rudolph; William F. Porter; David M. Williams

Evaluation of Selective Harvest on Phenotypic, Demographic, and Genotypic Traits in White-tailed Deer

Masahiro Ohnishi; Randy W. DeYoung; Don A. Draeger; Charles A. DeYoung; Bronson Strickland; Steven Lukefahr; David G. Hewitt

Session 89: Conservation and Ecology of Mammals - Cervids

White-tailed Deer Fawn Space Use in Central Iowa

Patrick G. McGovern; Julie A. Blanchong; Stephen J. Dinsmore

Evaluating The Influence of White-tailed Deer on Forest Regeneration at Landscape Scales In New York

David W. Kramer; Mark Lesser; Rachel Wheat; Martin Dovciak; Jeremy E. Hurst; Jaqueline Frair

Seasonal Effects of Coyote Abundance on White-tailed Deer Foraging Behavior in the Georgia Piedmont

William D. Gulsby; Michael J. Cherry; James T. Johnson; L. Mike Conner; Karl V. Miller

Sociality of Adult Female White-tailed Deer Following Parturition

Jacob M. Haus; Jacob L. Bowman; Justin R. Dion; Joseph E. Rogerson

Landscape-Level Patterns in White-tailed Deer Fawn Survival in North America

Tess Gingery; Duane Diefenbach; Bret D. Wallingford; Christopher S. Rosenberry

Session 36: Conservation and Ecology of Mammals - Chiroptera

Examining the Effectiveness of the North American Bat Monitoring Program (NABat) Acoustic Survey Protocols.

Kevin A. Parker; Han Li; Matina Kalcounis-Rüppell

Using Non-Invasive Methods to Compare Stress Levels in Urban Bats throughout the Chicago Metropolitan Area

Matthew P. Mulligan; Mary Beth Manjerovic; Katherine Fowler; Rachel Santymire

Understanding the Landscape Factors and Scale That Influence Urban Bat Activity

Elizabeth W. Lehrer; Travis Gallo; Mason A. Fidino; Seth B. Magle

Predicting Seasonal Distribution and Migratory Pathways for Neotropical Nectar-Feeding Bats

Rachel A. Burke; Kathryn E. Stoner; Jennifer K. Frey; Christopher P. Brown

Effects of Urbanization on Bat Habitat Use in Phoenix, Arizona: A Multi-Scale Landscape Analysis

Tracy C. Bazelman; Carol L. Chambers; Jianguo Wu; Sam A. Cushman

Session 25: Conservation and Ecology of Mammals - Ungulates

Using Occupancy to Understand the Process of Moose Recolonization in Northern Wisconsin.

Lucas Olson; Max Allen; Timothy Van Deelen

Archery Hunting and Scouting Drives Early Fall Migration and Reduces High Quality Forage for Elk with Access to Protected Area Refuge

Nate Mikle; Tabitha A. Graves; Edward M. Olexa

A Framework for Estimating Elk Abundance in Arizona

Kirby Bristow; Mathew Clement; Michelle Crabb; Larisa Harding

Ecological Drivers of Elk Survival in Idaho

Jon Horne; Mark Hurley; Erin Roche; Scott Bergen

Physiological Stress in Reintroduced Elk Reveals Tolerance to Pulses of Increased Human Activity

Colter Chitwood; Barbara J. Keller; Lonnie Hansen; Aaron M. Hildreth; Joshua J. Millspaugh

Mortality and Human Predation: How Sociality Influences Probability of Mortality of Large Mammals

Brittany Slabach; John T. Hast; Philip H. Crowley; Will Bowling; R. Daniel Crank; Gabriel Jenkins; John J. Cox

Behavioral and Nutritional Responses of Moose to Beetle-Killed Forests in Southeast Wyoming

Alexander A. B. May; Matthew J. Kauffman; Kevin L. Monteith

Influence of Beetle-Killed Forests on Elk Habitat Selection

Bryan Lamont; Dr. Matthew Kauffman; Dr. Kevin Monteith; Dr. Jerod Merkle; Matt Hayes; Tony Mong

Drone and Thermal Imaging System as an Innovative Tool for Forest Ungulate Surveys

Stanislaw Pagacz; Julia Witczuk; Anna Zmarz; Maciej Cypel

Fire-History Exerts Persistent Effects on Ungulate Behavior: Daily, Seasonal and Successional Patterns

Derek B. Spitz; Mary Rowland; Darren Clark; Mike Wisdom; Taal Levi; Bruce K. Johnson

Session 37: Conservation and Ecology of Mammals - Ursids

Population Dynamics and Harvest Sustainability of Two Small, Reintroduced American Black Bear Populations

Sean M. Murphy; John J. Cox; Ben C. Augustine; John T. Hast; Joseph M. Guthrie; Jayson H. Plaxico; Sutton C. Maehr; Michael Strunk; Tristan M. Curry

Understanding Motivations for Human Behaviors to Limit Human-Wildlife Conflict

Stacy Lischka; Tara Teel; Heather Johnson; Courtney Larson; Stewart Breck; Kevin Crooks

Compounding Effects of a Natural Food Shortage and Human Development on a Large Carnivore Population Along a Human Development-Wildland Interface

Jared Laufenberg; Heather Johnson; Paul Doherty; Stewart Breck

Human Development and Climate Affect Hibernation in Black Bears with Implications for Human-Bear Conflicts

Heather E. Johnson; David L. Lewis; Tana L. Verzuh; Cody F. Wallace; Rebecca M. Much; Lyle K. Willmarth; Stewart W. Breck

Combining Resource Selection Functions, Space Use, and Systematic Conservation Planning to Identify Conservation Priorities for Brown Bears in the Romanian Carpathians

Mihai I. Pop; Ruben Iosif; Iulia V. Miu; Laurentiu Rozylowicz; Viorel D. Popescu

Session 26: Conservation and Ecology of Natural Resources and Habitats

Evaluating the Suitability of Designated Critical Habitat for Imperiled Flatwoods Salamanders

Susan C. Walls; William J. Barichivich; Kevin M. Enge; Thomas A. Gorman; John G. Palis

Islands of Tallgrass Prairie: the Case of the Regal Fritillary

Andrew Caven; Kelsey C. King; Josh Wiese; Emma Brinley Buckley

Predicting Gopher Tortoise Habitat Connectivity in Georgia Using Forest Structure, Land Cover, and Soils

Jeffrey Hepinstall-Cymerman; Tom Prebyl; Bryan Nuse; Clint Moore

Soil Chemistry and Its Effect on Central Pennsylvania's Forest Wildlife Habitat

Danielle R. Begley-Miller; Duane R. Diefenbach; Marc E. McDill; Christopher S. Rosenberry; Emily Just

Diet Overlap of Wild Bees and Ungulates in a Forested Riparian System

Mary M. Rowland; Sandra J. DeBano; Samantha M. Roof; Lauren A. Smith

Impact of Logging Residue Retention on Small Mammals in the Southern Appalachian Region

April D. Boggs; Christopher E. Moorman; Dennis W. Hazel; Cathryn H. Greenberg

Ducks, Diet and Dormancy: Implications for Seed Based Wetland Restoration

Bret N. Mossman; Karin M. Kettenring

The Ecology of the Monarch Butterfly Relative to Density, Host Plant Occurrence and Habitat Use in the Flint Hills

Caroline Skidmore

A National Approach to Map and Quantify Terrestrial Vertebrate Biodiversity

William G. Kepner; Kenneth G. Boykin; Anne C. Neale; Kevin J. Gergely

Breeding Bird Response to Post Oak Savanna Restoration in Eastern Texas 8 Years Post-Management

Courtney K. Williams; Christopher Comer; Jeffrey Gunnels

Session 90: Conservation and Ecology of Reptiles and Amphibians

Combining Citizen Science and Traditional Research Reveals Trends in Northeastern Diamondback Terrapin Populations

Stephanie Egger; A. Brett Bragin; Barbara Brennessel; Michael Farina; Sandra J. Garren; Alexandra Kanonik; Drew P. McQuade; Noga Neeman; Charlotte B. Sornborger; John Wnek; Russell L. Burke

Drought Affects Growth and Sex Ratio of Painted Turtles in a Long-Term Study in Nebraska

Larkin A. Powell; Ellen Dolph; Charrissa Zuerlein

Movements, Behaviors, and Response to Fire Events of Eastern Box Turtles in East Tennessee

Katie Harris; Craig Harper; Joseph Clark; Dwayne Elmore

Comparison of Survey Methods Enabling Estimates of Population Size and Population Demographics of Rio Grande Cooter

Ivana Mali; Adam Duarte; Dan H. Foley III; Michael R.J. Forstner

Nesting Location Determines Emergence Success of Eastern Box Turtle Hatchlings in a Heavily Altered Landscape

Tracy A. Melvin; Gary Roloff; Alicia Ihnken

Session 60: Conservation and Ecology of Reptiles and Amphibians

Modeling Qualitative Vulnerability of Desert Amphibians and Reptiles to Climate Change

Kerry L. Griffis-Kyle; Krista Mougey; Sharmistha Swain; Matt Van Landeghem; Joseph Drake; Samantha Kahl

Timber Rattlesnake Habitat Use and Selection: A Thermal Landscape Perspective

William E. Peterman; Andrew S. Hoffman

The Rocky Reality of Roadways and Rattlesnakes

Garrett P. Sisson; Willem M. Roosenburg; Shawn R. Kuchta

Snakes Move in Mysterious Ways: Daily Activity Patterns and Movements of Northern Mexican Gartersnakes

Tiffany A. Sprague; Heather L. Bateman; Erika M. Nowak

Species Distribution and Occupancy Models for Informing Reptile Conservation

Daniel Martin; Larissa Bailey; Cameron Aldridge; Robert Reed; Daniel Manier

Session 105: Conservation and Ecology of Reptiles and Amphibians

Impacts of Stream Disturbances on an Appalachian Stream Salamander Assemblage

William Sutton; Michael Osborne; Jeff Bailey; Thomas Pauley

Connectivity Vs Isolation: A Case Study of Gene Flow in an Imperiled Salamander

Eric Hoffman; Steve A. Johnson; Sarah May; Anna Farmer; Stacey Lance

Seasonal Growth Rates and Responses to Increasing Temperature Across Five Red-Backed Salamander Populations

David J. Muñoz; David AW Miller; Chris Sutherland; Evan H. Campbell Grant; Tanya Matlaga

Searching for a Giant Salamander: Distribution of the Common Mudpuppy in Southeast Ohio Using Environmental DNA

Merri K. Collins; Shawn R. Kuchta

The Use of Species Distribution Models and Environmental DNA to Evaluate the Distribution of the Eastern Hellbender in Tennessee, U.S.A.

Jeronimo Silva; William Sutton; Stephen Spear; Michael Freake

Spatial Use and Survivorship of Translocated Wild-Caught Texas Horned Lizards

Devin R. Erxleben; Kelly J. Mitchell; Jesse M. Meik; Nathan D. Rains; James C. Martin

Health and Stress Response of Reintroduced and Resident Amphibians to Oak Woodland Restoration in Northern Illinois

Mary Beth Manjerovic; Allison Sacerdote-Velat; Rachel Santymire

Leaping Forward in Assessing Amphibian Dynamics Using Multistate Occupancy Models

William R. Gould; Andrew Ray; David Thoma; Kristin Legg

Comparison of Road Surveys and Circuit Theory to Predict Hotspot Locations for Implementing Road-Effect Mitigation

Sean P. Boyle; Jacqueline D. Litzgus; David Lesbarrères

Lethal and Sub-Lethal Effects of Predators on Pathogen Transmission and Trophic Cascades

Lexington K. Eiler; Michael Chislock; Zachary Compton; Turner DeBlieux; Samantha Gallagher; Brian Tornabene; Kelton Verble; Jason T. Hoverman

Session 106: Conservation and Ecology of Wildlife Communities

Impact of Vehicular Traffic on Vertebrate Mortality in and around Two National Parks of Sri Lanka: Conservation Concerns & Insights for Park Management

Thilina D. Surasinghe; Suranjan Karunaratna; Sudeera Ranwala; Majintha Madawala

Regenerating Clearcuts and Post-Harvest Treatments Increase Spruce-Fir Avian Assemblages and Richness in Managed Stands

Brian W. Rolek; Daniel J. Harrison; Cynthia S. Loftin; Petra B. Wood

Metabarcoding with Environmental DNA to Identify Wildlife Species Potentially Attracted to Uranium Mine Containment Ponds as a Water Source in the Arid Southwest US

Katy Klymus; Catherine Richter; Nathan Thompson; Jo Ellen Hinck

A Global Estimate of Net Secondary Productivity: Wildlife in a Changing World

Garrett M. Street; Gordon G. McNickle

Development of Multi-Species, Long-Term Monitoring Programs for Resource Management

Jeremy A. Baumgardt; Michael L. Morrison; Leonard A. Brennan; Brian L. Pierce; Tyler A. Campbell

Predicting the Fundamental Niche and Global Distribution of Hermatypic Coral Reefs Using Machine Learning Algorithms

Vitalis Dubininkas; Stanley Mastrantonis

Data, Sweat, Policy, Law and Ethics - Sharing Wildlife Data in the Instant Access Age

Kimberly Titus

A General Decision Framework for Quantifying Urbanization Gradients

Benjamin J. Padilla; Chris Sutherland

Effects of Retained Tree Location and Aggregation on Small Mammal Density and Species Richness on Intensively Managed Forests of the Pacific NW, USA

Sean M. Sultaire; Gary J. Roloff; AJ Kroll; Jake Verschuyf

Livestock Grazing Effects on Western Terrestrial Vertebrates: A Systematic Review and Meta-Analysis

Daniel C. Barton; Tim Bean; Abigail Rutrough

Session 91: Conservation and Ecology of Wildlife Communities

Effects of Wildfire on Avian Communities in the Arizona Sky Islands

Jamie S. Sanderlin; William M. Block; Joseph L. Ganey; Jose M. Iniguez; Samuel Cushman

Native Bees in Managed Shrublands in the Green Mountains, Vermont

David I. King; Joan C. Milam

Emergent Wetland Bee Communities in the Lower Mississippi Alluvial Valley of Arkansas

Phillip L. Stephenson

Wanna Get Buzzed Out on the Range? Pyric Herbivory Increases Pollinator Diversity and Creates Bumble Bee Habitat

Shelly Wiggam; Chyna K. Pei; Gregory Zolnerowich; Lee W. Cohnstaedt; Brian P. McCornack

Understanding Spatial and Temporal Distribution of Red Foxes in Piping Plover Nesting Habitat in Southern New Jersey

Michelle Stantial; Jonathan Cohen

Session 61: Conservation Communication

The Fisherman and the Fishing Cat: How Coastal Lives Depend on a Wild Cat's Habitat

Ashwin Naidu; Sujeevan K. Bullard; Mallika Vijayakumar

Communicating Conservation: How Biologists Can Use Video to Engage the Public

Corey J. Shaw

Non-Lead Hunting Education: A Collaborative Solution

Leland Brown

“But They Should Get It”- Lessons from Communicating State of the Birds Reports to Non-Scientists

Judith C. Scarl; Gustave Axelson

Mirror, Mirror: Examining the Reflection of Hunting and Fishing Through Advertisements

Ashley Tanner; Evan Tanner; Samuel Fuhlendorf

Session 38: Conservation Planning and Policy I

Using a Single Species as an Umbrella to Conserve Many At-Risk Species: the Lesser Prairie-Chicken and Prairie Conservation

Demi Gary; Krista Mougey; Nancy McIntyre; Kerry Griffis-Kyle

Bird Community Integrity and Land Protection in a Mixed-Use Northern Forest

Kathryn Frens; Andrew Crosby; William Porter

Forestry Effects on Listed Bats

Paola Bernazzani; Shawna Barry; Dale Sparks; Leo Lentsch

A Regional Conservation Program for American Burying Beetle

Lucas Bare; Paola Bernazzani; David Zippin; David Williams

Integrating Biological, Economic, and Social Assessments of the Feasibility and Value of Maintaining a Sustainable Population of Elk.

Jennifer L. Murrow; Marion Deerhake; Katherine Heller; David Cobb; Brad Howard

Session 62: Conservation Planning and PolicyII

Meet Wila and What It Took to Make Meaningful New Wildlife Legislation in the Northwest Territories, Canada

Robert Gau; Christine Glowach; Lynda Yonge (retired)

Addressing Ecological, Economic, and Social Tradeoffs of Refuge Expansion in a Constrained Landscape

Marjorie R. Liberati; Chadwick D. Rittenhouse; Jason C. Vokoun

Planning for Urban Biodiversity: A Global Review of Biodiversity and Ecosystem Service Plans

Charles H. Nilon; Myla F.J. Aronson; Sarel S. Cilliers; Cynnamon Dobbs; Lauren J. Frazee; Mark A. Goddard; Karen M. O'Neill; Debra Roberts; Emilie K. Stander; Peter Werner; Marten Winter; Ken P. Yocom

Maximizing Our Effectiveness: State Fish and Wildlife Agencies and the Public Trust

Terra A. Rentz; Jacqueline Frair

Slow Dancing Under the Methane Cloud - the Uneasy Relationship of Policy and Biology in the Gas Patch

James Ramakka

Session 92: Cultural Aspects of Wildlife Conservation

Changing "Cat-Titudes": What Types of Messages Are Most Effective When Encouraging Euthanasia for Feral Cat Colony Control?

Maureen R. McClung; Lindsay A. Kennedy; Jessica Bonumwezi; Brynn Davis; Regan Hatwig; Kevin J. Kracjir; Chris Wakim

On the Dependence of Tribal Livelihoods on Coastal Mangrove Forests in Andhra Pradesh, India

Santosh Edupuganti; Appa Rao Allaparthi; Pradeep K. Narsupalli; Ashwin Naidu

Cultural Aspects of Wildlife Conservation in Ancient India

KISHOR S. DERE

Reintroducing the Vicuña to Ecuador: Symbols, Values, and the Politics of Conservation

Brian E. McLaren; Andrea Garrido; Bacilio Pomaina; Luis Alberto Tuaza

Essential Elements Required for Working with American Indians

Jonathan H. Gilbert

Session 63: Fire Science and Management

Demographic Response of Northern Bobwhites to Pyric Herbivory of Non-Native Grassland

Eric D. Grahmann; Timothy E. Fulbright; Fidel Hernandez; Michael W. Hehman; David B. Wester; Alfonso Ortega-Santos; Blake A. Martin

Interactions between Mixed Severity Wildfire and Forest Types Used by Northern Spotted Owls

Damon B. Lesmeister; David M. Bell; Raymond J. Davis; Matthew J. Gregory; Jody C. Vogeler

Building Consensus for Forest Restoration Through Wildfire Risk Assessment

Steven Bassett

Prescribed Rangeland Fire's Influence on Northern Bobwhite Quail Chick Food Resources

Britt Smith; Robin Verble-Pearson; Brad Dabbert

Wildfire Mapping and Damage Analysis in Grand Bay National Estuarine Research Reserve, Mississippi Using a Small Unmanned Aerial System with a Multispectral Payload

Sathishkumar Samiappan; Gray Turnage; Lee Hathcock; Robert Moorhead

Session 64: Human Dimensions

Understanding Iowa Landowners' Values, Attitudes, and Behaviors Toward Wildlife and Wildlife Habitat Landowners' Values, Attitudes & Behaviors Toward Wildlife & Wildlife Habitat

Larry M. Gigliotti; Lily A. Sweikert

Sustainability Evaluation of Terrestrial Hunting Systems in Japan, South Korea and Taiwan

Arthur Mueller

Perceptions of Wildlife Habitat Management Practices on New Jersey Wildlife Management Areas

Catherine Tredick; Daniel Moscovici; Joseph Russell

Conflict Transformation in Action: Addressing Conflict Dynamics Affecting the Endangered Grevy's Zebra

Lynn Kimmel

Citizen Reporting of Wildlife Disease Outbreaks

Caitlin N. Ott-Conn; Tyler R. Petroelje; Thomas M. Cooley; Julie R. Melotti

Session 39: Human Dimensions

The Future of Hunting and Fishing: A Case for Small Game as a Recruitment Tool.

Loren D. Chase; Doug Burt

Effects of Age, Period, and Cohort on Hunting and Fishing Expenditures and License Purchases.

Rebecca Chase; Loren Chase

Using Age-Period-Cohort Modeling to Project Hunting Participation and Direct Assessment of Retention Intervention for Key Demographic Segments

Brent A. Rudolph; Richelle Winkler; Chris Henderson; Phil Seng; Daniel Escher

Factors Influencing the Motivations of Natural Resource Professionals and Students in Texas to Pursue a Career in the Field

Maria F. Mejia; Kerry Griffis-Kyle; Tom Arsuffi

Full STEAM Ahead: Using Place-Based Art to Evaluate 4Th And 5Th Grade Students' Knowledge of Trophic Levels

April A. Conkey; Marybeth Green

Session 52: Human Dimensions

Characteristics of Grizzly Bear Sightings in the North Slope Oil Fields of Alaska

Nils Johan Sverre Pedersen; Richard Shideler; Todd Brinkman; Mark Lindberg

Do Wildlife Value Orientations Inform Management Preferences for Wild Pigs?

Erin E. Harper; Stephanie Shwiff; Jessica Tegt

Impact of Multiple Platforms on Chronic Wasting Disease Communication Strategies

Chad Stewart

Conservation and Utilization of the White-tailed Mexican Deer as a Detonator of Social Welfare in the Sierra De Huautla, Biosphere Reserve, Central Mexico.

David García-Solórzano

Hazards to Birds from Open Metal Pipes

Charles Hathcock; Jeanne M. Fair

The Attitudes They Are A-Changin': Using Discrete Choice Experiments to Understand Deer Hunter Preferences

Leslie E. McInenly; David C. Fulton; Louis Cornicelli

Using Hunter and Birdwatcher Trips to Inform Habitat Delivery

Anthony Roberts; Patrick Devers; Scott Knoche; Paul Padding; Robert Raftovich

What Is Sustaining Higher Nest Predator Abundance within Natural Gas Fields?

Lindsey E. Sanders; Anna D. Chalfoun

Piping Plovers Taste Like Chicken: Conservation Planning to Reduce Human-Wildlife Conflict

Shawna Barry; Paola Bernazzani; David Zippin

Approaches to Preventing Illegal Releases of Boars in the Wild

Stefano Giacomelli; Michael Gibbert; Roberto Viganò

Session 78: Invasive Species

Genetic Origins of United States Feral Swine Populations

Timothy J. Smyser; Michael S. Robeson; Hendrik-Jan Megens; Mirte Bosse; Martien A.M. Groenen; Samuel R. Paiva; Danielle A. de Faria; Harvey D. Blackburn; Brandon S. Schmit; Antoinette J. Piaggio

Biotic and Abiotic Factors Predicting the Global Distribution And Population Density of an Invasive Large Mammal

Jesse Lewis; Matthew Farnsworth; Chris Burdett; David Theobald; Miranda Gray; Ryan Miller

Do Common Forest Management Techniques Facilitate Exotic Plant Invasions?

Donald P. Chance; Johannah R. McCollum; Garrett M. Street; Bronson K. Strickland; Marcus A. Lashley

What If Everything You Thought You Knew About "Feral" Cats Was Wrong?

Peter J. Wolf

Impacts of Invasive Mute Swans on the Avian Diversity of Great Lakes Coastal Wetlands

Nicole J. Wood; Thomas M. Gehring; Donald G. Uzarski

Comparing Depredation by Feral Swine between Simulated and Natural Turkey Nests

Heather N. Sanders; Nathan P. Snow; David G. Hewitt; Kurt C. Vercauteren; Humberto L. Perotto-Baldivieso

Quantifying Site-Level Elimination Certainty of an Invasive Species Through Occupancy Analysis of Camera-Trap Data

Amy Davis; Ryan McCreary; Jeremiah Psiropoulos; Gary Brennan; Terry Cox; Andrew Partin; Kim Pepin

Monitoring the Eradication of European Mouflon Sheep from the Kahuku Unit of Hawai'i Volcanoes National Park

Steven C. Hess; Seth W. Judge; Jonathan K. Faford; Dexter Pacheco; Christina R. Leopold

Do Feral Swine Alter the Island Biogeography of Native Wildlife in Agro-Ecosystem Forest Patches?

Matthew R. Ivey; Dr. Marcus Lashley; Dr. Bronson K. Strickland; Dr. Michael E. Colvin

Spatiotemporal Drivers of Habitat Selection by Feral Pigs in an Agricultural Landscape

Kelsey Paolini; Garrett M. Street; Bronson K. Strickland; Jessica L. Tegt; Kurt C. VerCauteren

Session 93: Natural Resources Management

Climate Change and Evolutionary Adaptive Capacity (EVAC): Bridging the Gap between Science and Application

Laura Marie Thompson

Use of Fiber-Optic Distributed Temperature Sensing to Characterize Changes in Thermal Patterns within a Fragmented Grassland

Evan P. Tanner; Samuel D. Fuhlendorf; John Polo

Spatial Challenges of Using Local Scale Monitoring Programs for Landscape Level Applications

Mindy Rice

Incorporating Wildlife Research into the Rio Grande Water Fund

Sarah Hurteau; Laura McCarthy

New Mexico Habitat Stamp Program: an Agency-Public Partnership for Wildlife Conservation on Federal Lands

Reuben Teran

Session 40: New Technology I

Surveying Anuran Diversity and Their Breeding Activities Via Call Monitoring: A Novel Device Developed Based on Machine-Learning Algorithms

Michael D. Black; Thilina D. Surasinghe; Christian Brady; Nicholas Abreu; Amber Nieves; Perry Warner

Developing and Testing a Software Defined Radio Telemetry System for Wildlife Tracking

Michael R. Finley; Michael W. Shafer; Paul G. Flikkema

Counting Cats: A User Friendly Tool for Identifying Individual Pumas from Footprints.

Sky Alibhai; Zoe Jewell; Jonah Wy Evans

Detecting the Presence and Abundance of Streamside Salamanders in Middle Tennessee Using Environmental DNA

Nicole A. Witzel; Ali Taheri; William Sutton

Transmitter Influences On Raptor Agility and Raptor Prey Selection

Rebecca Perkins; Clint Boal

Session 65: New Technology II

Beyond Capture: Development of a Visual Body Condition Index for Mule Deer Using Camera Traps

Rachel A. Smiley; Tony W. Mong; Kevin L. Monteith; Matthew J. Kauffman; Chadwick D. Rittenhouse

Public Geospatial Datasets as an Approach to Maximizing Efficiency in the Collection of Site Covariates in Wildlife-Vehicle Collision Studies

James Vance; Walter Smith; Gabrielle Smith

Developing and Testing a Software Defined Radio and UAV System for Wildlife Tracking

Kellan M. Rothfus; Matthew Robinson; Gabriel Vega; Michael Shafer; Paul Flikkema

Excel, Geodatabase, and Spatial Tool Workflows to Promote Rapid Organization and Analysis of Data Collected from Platform Transmitter Terminals

Krista Mougey; Cathy Nowak; Dan Collins; Blake Grisham

Spatial Mark-Recapture as a Conservation Tool for Monitoring Grizzly Bear Populations in Alberta

John Boulanger; Scott Nielsen; Gord Stenhouse

Session 53: Wildlife Damage Management

Civil Airports from a Landscape Perspective: Implications for Reducing Damaging Bird Strikes

Morgan B. Pfeiffer; Tavis L. DeVault

Efficacy of Translocation as a Management Tool for Urban Mule Deer in Utah

Channing R. Howard; David N. Koons; Mark K. Brunson; Mary L. Connor

Spatio-Temporal Strategies for Efficient Planning of Feral Swine Population Management

Kim M. Pepin; Amy J. Davis; Kurt C. Vercauteren

Testing the Effectiveness of Bear-Resistant Containers to Reduce Black Bear-Human Conflicts

Heather Johnson; David Lewis; Stacy Lischka; Stewart Breck

Changes in Feral Swine Activity in Response to Prescribed Burning in the William B. Bankhead National Forest, Alabama.

Patience Knight; Helen Czech; William Stone

Predicting Spatial Factors Associated with Livestock Depredations by the Mexican Wolf in Arizona and New Mexico

Reza Goljani A; Jennifer K. Frey; David L. Bergman; Stewart W. Breck; James W. Cain; John Oakleaf; Julia B. Smith

A Call for Science-Based Metrics of Success for Management Actions Addressing Invasive Species

Amy Davis; Bruce Leland; Michael Bodenchuk; Kurt VerCauteren; Kim Pepin

The Causal Impact of Changes in Deer Abundance on Deer-Vehicle Collisions

Jennifer L. Raynor

Anthraquinone as a Vole Repellent: Not Just for the Birds?

Roger A. Baldwin; Ryan Meinerz; Gary W. Witmer; Scott J. Werner

Hunter and Nonhunter Disease Risk Perceptions over Time

Craig A. Miller; Jerry J. Vaske

Session 27: Wildlife Disease and Toxicology I

Effect of Population Fragmentation on Host-Parasite Interactions: Insights from Island Podarcis Lizards

Johanna Fornberg

The Potential of Fish to Act as Transport Hosts for *Dracunculus medinensis* and *D. insignis* Larvae.

Christopher A. Cleveland; Mark L. Eberhardt; Alec Thompson; Stephen J. Smith; Hubert Zirimwabagabo; Robert Bringolf; Michael J. Yabsley

Adapting a Determinants of Health Model to Identify Drivers and Priorities for Salmon Population Health in Two Groups of Experts

Julie Wittrock; Colleen Duncan; Craig Stephen

Size Matters: Sample Size Calculations for Harvest-Based Wildlife Disease Surveillance Using an Agent-Based Framework

Aniruddha V. Belsare; Matthew E. Gompper; Joshua J. Millsbaugh

Prevalence and Distribution of Amphibian Pathogens and Parasites in North Dakota

Melanie Firkins; Vasyl Tkach; Robert Newman

Transmission of Influenza A Virus from Mallards to European Starlings Via Shared Water

Susan Shriner; Jeremy W. Ellis; J. Jeffrey Root; Kevin T. Bentler; Nicole L. Mooers; Loredana McCurdy

Effects of Sub-Acute External Exposure to Deepwater Horizon Oil in the Double-Crested Cormorant

Brian S. Dorr; Katie C. Hanson-Dorr; Katherine Healy; Katherine Horak; Karen M. Dean; Steven J. Bursian; Kendal Harr; Jane E. Link

Variation in SA α 2,3-Gal is Linked to Variation of Avian Influenza Viral Shedding in Mallard Ducks

Amanda C. Dolinski; Jen C. Owen

West Nile Virus Prevalence in Sympatric Populations of Greater Sage-Grouse and *Culex tarsalis*

Lindsey A. Bischoff; Travis Runia; Andrew Gregory; Jonathan A. Jenks

Potential of Fish Eating Birds to Spread Virulent *Aeromonas hydrophila*

Fred L. Cunningham; Katie Hanson-Dorr; Lorelei Ford; Alex Crain; Lanna Durst; Raleigh Middleton; Larry Hanson

Session 66: Wildlife Disease and Toxicology II

Pathogen-Mediated Selection in Free-Ranging Elk Populations Infected by Chronic Wasting Disease

Ryan J. Monello; Nathan L. Galloway; Jenny G. Powers; Sally Madsen-Bouterse; Mary E. Wood; William H. Edwards; Katherine I. O'Rourke; Margaret A. Wild

Drought as a Risk Factor for Hemorrhagic Disease in the Eastern United States

Sonja Christensen; Mark Ruder; David Williams; William Porter; David Stallknecht

The Poor Get Richer? Spatial and Temporal Analysis of Genotypes Associated with Delayed Progression of Chronic Wasting Disease

Darren M. Wood; Amy B. Welsh; James M. Crum; Christopher W. Ryan

Genetic Susceptibility of Eastern Cervid Populations to Chronic Wasting Disease

William Miller; W. David Walter

Advent and Increasing Prevalence of Chronic Wasting Disease in Elk at Wind Cave National Park, South Dakota

Glen A. Sargeant; Margaret A. Wild; Daniel E. Roddy; Gregory M. Schroeder

Session 79: Wildlife Disease and Toxicology III

More Offal Than We Thought: Extended Availability of Lead to Wildlife from Hunter-Discarded Gut Piles.

Margaret G. Rheude

Evaluating the Role of Elk Migration and Weather Variability On the Commingling Risk of Elk and Livestock: Implications for Brucellosis Transmission in Montana

Nathaniel Rayl; Jerod Merkle; Kelly Proffitt; Emily Almberg; Jennifer Jones; Paul Cross

Climate-Induced Behavioral Changes Influence Exposure of an Arctic Apex Predator to Pathogens and Contaminants

Todd Atwood; Colleen Duncan; Kelly Patyk; Pauline Nol; Jack Rhyhan; Matthew McCollum; Melissa McKinney; Andrew Ramey; Jitender Dubey

High Seroprevalence of Toxoplasma Gondii in Two Large Mammals of the Central Appalachians, USA

John J. Cox; Sean M. Murphy; Brittany Slabach; John T. Hast; Ben C. Augustine; Joseph McDermott; Joseph M. Guthrie; Sutton C. Maehr; Oliver C. H. Kwok; Jitender P. Dubey

Prevalence of Toxoplasma Gondii, Leptospira Spp., and Parvovirus Spp. in North American River Otter throughout North Carolina.

Charles W. Sanders; Christopher S. DePerno; Colleen Olfenbuttel

Impacts of Exotic Lice on Hair Loss Syndrome Prevalence and Fawn Survival.

Brooke Berger; Greg Gerstenberg; Daniel Barton; Richard N. Brown

Model Recommendations Meet Management Reality: Implementation and Evaluation of a Network-Informed Vaccination Strategy for Endangered Hawaiian Monk Seals

Stacie Robinson; Michelle Barbieri; Jason Baker; Bert Harting; Charles Littnan; Meggan Craft

Effects of Sylvatic Plague on Northern Idaho Ground Squirrels

Amanda R. Goldberg; Courtney J. Conway; Diane Evans Mack; Greg Burak; Dean E. Biggins

Spatial Ecology of Gray Foxes: Informing Rabies Management in the Southwest

Amanda M. Veals; John L. Koprowski; Kurt C. VerCauteren; David L. Bergman

The Importance of Raccoon Movement in Determining the Effectiveness of a Vaccination Barrier Against the Spatial Spread of Raccoon Rabies

Kim M. Pepin; Stacey Elmore; Erin E. Rees; Rich Chipman; Amy T. Gilbert

Posters *(subject to changes)*

Session 29: Poster Session - Monday

Factors Influencing Nest Survival of Mourning Doves in the Lower Rio Grande Valley, Texas

Kelton W. Mote; Jordan C. Giese; Heather A. Mathewson; Thomas W. Schwertner; Jeff B. Breeden

Evaluating Radio Transmitter Attachments, Retention, and Their Effects on Bobwhite Body Mass and Flight Performance

Byron R. Buckley; Brad Dabbert

Fine Scale Population Trends of White-Winged Dove in Texas: 2008 - 2016

Conor J. McInerney; Heather A. Mathewson; T. Wayne Schwertner; Shaun L. Oldenburger; Mike Frisbie

Nonbreeding Duck Habitat Use and Food Density in Northeastern Colorado

Adam C. Behney

Quantifying the Effects of Farm Bill Cost-Share Conservation Practices on Avian Species on Private Lands in South Carolina

Jesse M. Wood; Amy K. Tegeler; Beth E. Ross

Evaluation of the Conservation Reserve Program as a Conservation Practice for Lesser Prairie-Chickens in the Southern High Plains of Texas

Samuel W. Harryman; Blake A. Grisham; Clint W. Boal; Samantha S. Kahl; Christian A. Hagen

Compensatory Response of Common Carp Fecundity Following Removal Efforts in Utah Lake, Utah

Kenen Goodwin; Jereme W. Gaeta; Kevin Landom

American Woodcock Display Habitat Use at Managed Wildlife Openings in Michaux State Forest, South Central Pennsylvania.

Kristopher K. Goetz

When the Freezer Breaks: Will Climate Warming Impact the Persistence of Resident Birds in Alaska?

Emily J. Williams; Laura M. Phillips; D. Ryan Norris; John M. Marzluff; Carol L. McIntyre

High versus Higher Elevations: Ecological Lessons from Breeding Sparrows

Ross R. Conover

Resource Selection and Movements of Feral Burros on the Fort Irwin National Training Center

Talesha Karish; Gary Roemer; James Cain

Climate Change and Long-Term Trends in Bald Eagle Winter Habitat Use

Madeleine A. Rubenstein; Roger Christophersen; Tanya Kitterman; Jason Ransom

How Do Deer and Turkey Deal with Wild Pigs? A Study Using Occupancy Models

Alexandra Lewis; Nancy Sandoval; Brian Williams; Mark Smith; Stephen Ditchkoff

Yellow-Billed Cuckoo Historical Nest Site Selection in the South Fork Kern River Valley

Patti J. Wohner; Jenna Stanek; Mary Whitfield; Steven Laymon; John Stanek

Designing Multimodal Texts to Engage Non-Specialists in the Protection of Predators

Fabiola C. Rodríguez Estrada; Antonio A. Rodríguez Rosales

Predation and Parental Care at Blue-winged Teal Nests in North Dakota

John Donald Palarski; Nickolas Conrad; Sam Krohn; Patrick Chastan; Kaylan Carrlson; Tanner Gue; Ryann Cressey; Susan Ellis-Felege

Winter Diet of Montezuma Quail in Arizona and New Mexico

Oscar E. López Bujanda; Alberto Macías Duarte; Reyna A. Castillo Gámez; Angel B. Montoya

Assessing Species-Habitat Relationships in Priority Open Pine Ecological Systems in Mississippi

Amber M. Owen; Kristine O. Evans; Michael T. Gray; Steve Reagan

Factors Determining Bird Collision Risk at Small Pennsylvania Airport

Samantha DiLorenzo; Uma Ramakrishnan

Survey and Analyses of Current Uses of Technology And Needs of West Virginia Natural Resource Police Officers

Lauren Stollings; Hannah Warner; Darren Wood

Survival and Reproduction of Eastern Wild Turkeys in Northeastern South Dakota

Reina M. Tyl; Christopher T. Rota; Chadwick P. Lehman

Relating Wind Patterns over the Gulf of Mexico to Landbird Stopover Distributions Along the Gulf Coast During Spring Migration

Hannah L. Clipp; Jaclyn A. Smolinsky; Emily B. Cohen; Andrew Farnsworth; Peter P. Marra; Steve Kelling; Jeffrey J. Buler

Teaching Natural Resource Management in a Multi-Cultural Context Through Experiential Learning

Casey C. Day; Patrick A. Zollner; Jonathan H. Gilbert

Grazing Impacts on Wetland-Dependent Waterfowl

Marissa Cent; Todd Arnold

Energy Infrastructure Effects on Predators and Prey: Common Ravens, Burrowing Owls, and Power Transmission Lines

Aidan B. Branney

The Anthropogenic Effects on the Urban and Rural Coyote Diet

Emily Masterton

Ring-Necked Pheasant Use of Spring Cover Crops In Western Kansas

Alixandra Godar; Adela Annis; David Haukos; Jeff Prendergast

Lessons Learned from Long-Term Management of Brown-Headed Cowbirds on the South Fork Kern River, California.

Mary J. Whitfield; Patti Wohner; John R. Stanek

Negative Search Results Refine Habitat Requirements and Redirect Habitat Creation for an Endangered Songbird

Ken Tuininga; Peter Burke

Breeding Bird Richness and Landscape Structure Relationships on South Texas Rangelands

Janel L. Ortiz; April A.T. Conkey; Leonard A. Brennan; Humberto L. Perotto-Baldivieso; David B. Wester; Tyler Campbell

Effects of Climate Change on Birds' Diversity, Distribution, Habitat Utilization and Breeding at Sir Bani Yas Island, Abu Dhabi, Uae

Bilal Kabeer

Conservation Implications of Hummingbird-Flower Dynamics in the Aviary Setting

Alicia Smith

Flight Elevation of Migrating Swainson's Hawks and Risk of Encountering Wind Turbines

Katheryn A. Watson; Clint W. Boal; Laurie M. Groen; James D. Ray

Baseline Genetic Diversity and Population Structure of Yellow-Billed Magpies Prior to West Nile Virus-Induced Population Decline

Amelia Vazquez; Kyle Gustafson; Ben Harmeling; Holly Ernest

Ageing Western Bluebirds Nestlings Using Morphometric Data and Feather Tract Development

Aaron Skinner; Chuck Hathcock; Brent Thompson; Jesse Berryhill; Emily Phillips; Maria Musgrave

Boreal Songbird Community Response to Understory Protection Harvesting

Connor J. Charchuk; Erin M. Bayne

The Effects of Conifer Removal and Transmitter Type on Greater Sage-Grouse Breeding Season Survival

Andrew Olsen; John Severson; Jeremy Maestas; Todd Forbes; Dave Naugle; Christian Hagen

The Botstiber Institute for Wildlife Fertility Control: Advancing an Emerging Field of Wildlife Management

Stephanie Boyles Griffin

Successes and Limitations of Estrogen-Induced Egg Aversion in Raccoons

Raymond D. Dueser; Joel D. Martin; Nancy D. Moncrief

Predation Services: A Framework for Studying the Costs and Benefits of Carnivores and their Prey

Sophie L. Gilbert; Robin Naidoo

**Western Burrowing Owls Face Multiple Challenges Associated with Urban Living in Western Arizona
Burrowing Owls Face Multiple Challenges Associated with Urban Living in Western Arizona**

Kerrie Anne T. Loyd; Morgan T. Beckwith; Joseph J. Osinski

Impacts of Deforestation on Passerine Avifauna in the Opunohu Valley of Mo'orea, French Polynesia

Vanessa M. ZoBell

Is There a Relationship between Nest Temperature and Fledgling Age in Western Bluebirds

Emily Phillips; Chuck Hathcock; Brent Thompson

Wild Turkey Space Use and Movement in Response to Temperature

Allison Rakowski; R. Dwayne Elmore; Craig A. Davis; Samuel D. Fuhlendorf

Camera Traps as a Tool to Increase Public Participation in Biodiversity Monitoring

Hollie A F Sutherland

**Comparisons of Habitat Selection and Behaviors between Mallards and American Black Ducks In The Finger Lakes
Region During Winter**

Adam J. Bleau; Jonathan Cohen; Michael Schummer

Habitat Selection, Home Range, and Survival of Female Bachman's Sparrows in the Longleaf Pine Ecosystem

Daniel Choi; Alexander Fish; Christopher Moorman; Christopher DePerno; Jessica Shillaci

Historical Range and Distribution of the Western Meadowlark in North Dakota

Lucas F. Knowlton; Jason R. Boulanger

Evaluation of Methods Used to Improve Grasslands as Pheasant Brood Habitat

Mandy Orth; Kent C. Jensen; Travis Runia

Effects of Grazing Management of Sharp-tailed Grouse Nest Survival in Mixed Grass Prairies

Megan C. Milligan; Lance B. McNew; Lorelle I. Berkeley

**Population Ecology And Survey Methodology of the Virginia Rail and Sora in the Lake Erie Coastal Marshes of
Northern Ohio**

James Hansen; Brendan Shirkey; John Simpson; Robert Gates

Mapping and Modeling Feral Swine Distribution Across Canada Using Local Knowledge and Expert Elicitation

Ruth A. Kost; Ryan K. Brook

The Looming Crisis for Eastern Tidal Marsh Birds

Mitch Hartley; Chris Elphick; Bryan D. Watts; Greg Shriver; Brian Olsen; Aimee Weldon

The Good, the Bad, and the Ugly: Investigating Perceptions of Wildlife and Vegetation in Urban Greenspaces

Andrew J. Mallinak; Charles Nilon; Robert Pierce; Sebastian Moreno

Population Estimate for Black-Backed Woodpeckers in the Black Hills of South Dakota and Wyoming

Elizabeth A. Matseur; Brian E. Dickerson; Frank R. Thompson; Joshua Millsbaugh

Sub-Saharan Africa: Wildlife, People and Culture - a Wildlife Biologist - Busman Holiday

Michael Matthews

Juvenile Survival and Dispersal in White-Headed Woodpecker

Philip C. Fischer; Teresa J. Lorenz

Influences of Nest Attendance Patterns of Common Eiders at Wapusk National Park in Northern Manitoba

Tanner J. Stechmann; David T. Iles; Andrew Barnas; Samuel D. Hervey; Robert F. Rockwell; Susan N. Ellis-Felege

Factors Influencing Survival and Recovery Rates of White-winged Doves in Texas

Jared D. Hall; Heather Mathewson; T. Wayne Schwertner; Shaun Oldenburger; Mike Frisbie

Seasonal and Interspecific Landscape Use of Sympatric Greater Prairie-Chickens and Sharp-tailed Grouse

Jamie E. McFadden; Tim L. Hiller; Larkin A. Powell; Walter H. Schacht

Evaluation of Land Restoration Practices on Northern Bobwhite Survival and Land Use in North Central Texas

Danielle Belleny; Heather Mathewson; Jeff Breeden; John Tomecek; T. Wayne Schwertner; Jim Giocomo

Using Urban Landscapes to Teach Biodiversity and Conservation for Introductory Lab Courses

Angela van Doorn; Christina Pondell

GPS-GSM Technology to Inform Management of the Invasive Mute Swan in Michigan

Randall T. Knapik; David R. Luukkonen; Scott R. Winterstein

Effect of Nest Micro-Climate on Reproductive Success of Burrowing Owls Along a Latitudinal Gradient

Carl G. Lundblad; Courtney J. Conway

Survival of Ring-Necked Pheasants in Western Kansas Spring Cover Crops

Adela Annis; Alixandra Godar; David Haukos; Jeff Prendergast

How Student Learning Is Effected by the Timing of a Live Animal

Brittany H. Smith

Using GIS to Develop Priority Areas for the Restoration of Eastern Wild Turkeys in Texas

Jason Anthony Estrella; Jason Hardin; Dave O'Donnell

Distribution and Habitat Associations of Snag Nesting Purple Martins in Western Oregon

Lorelle Sherman

Effects of Oil and Gas Development on Duck Production in the Prairie Pothole Region of North Dakota and Montana

Mason Sieges; Kaylan Carrlson; Ryann Cressey; Tanner Gue; Johann Walker; Charles Loesch; Michael Szymanski

Multi-Species Occupancy for an Early Successional Bird Community and Experimental Use of Conspecific Stimuli to Increase Detection for a Cryptic Species

Laura D. Graham; Christopher M. Lituma

Evaluating Dig Site Selection in Montezuma Quail

Karlee Cork

Weather-Induced Declines in Piñon Tree Condition and Response of a Declining Bird Species

Kristine Johnson; Giancarlo Sadoti; Jacqueline Smith

Wintering American Black Duck Habitat Use of Created and Natural Wetlands in the Appalachian Plateau

Sally Yannuzzi; Michael Peters; Ian Gregg; Christopher Rota; James T. Anderson

Collecting Non-Invasive Polar Bear Genetic Id Samples Along the Chukchi Sea Coast: Working with Alaska Natives

Andrew Von Duyke; Kelly Nesvacil; Lori Quakenbush; Kimberly Titus

Trends in Illegal Wildlife Trade: Analyzing Seizure Data in the Pacific Northwest

Rosemary T. Hitchens; April Blakeslee

Falling for Fire Ants: Assessing Fire Ant Prevalence in a Burn-Mediated Ecosystems

Angelina Haines; Christopher Lepczyk; Robert Gitzen; Theron Terhune

User-Friendly Resource Design and Passive Extension Capacities: the Design of a Ground Squirrel Best Management Practices Website

Niamh Quinn; Roger A. Baldwin; Monica Dimson

Assessment of Human-Common Leopard Conflict in Northwest Pakistan

Muhammad Awais; Tariq Mahmood; Muhammad Waseem

Modeling Retention Rates of Learn to Hunt Participants in Wisconsin

Emily E. Iehl

The Effect of Season of Prescribed Burning on Avian and Plant Communities in Minnesota Lowland Brushland Habitat

Annie Hawkinson; Rebecca Montgomery; Lee Frelich; Charlotte Roy; Lindsey Shartell

Investigating Relationships between Breeding Ecology and Abundance in Songbirds of the Sagebrush-Steppe

Kayla A. Ruth; Victoria J. Dreitz

Effects of Hardwood Control on Breeding Birds in a Managed Loblolly Pine Forest

Marian Fuller-Morris; Darren Miller; Scott Rush

Monitoring of the Endangered Masked Bobwhite Quail Population in Mexican Desert Shrubland.

DAVID GARCIA-SOLORZANO

Gunnison Sage Grouse How Long Can the Crawford Population Persist?

Douglas S. Ouren; Brian Cade; Melissa Siders; Ken Holsinger

What Bout Us? We Are STEM! About Us? We Are Stem!

Talesha Dokes; Gary J. Roloff

Influence of Sagebrush Treatments on Annual Growth Rates of Greater Sage-Grouse

Kurt T. Smith; Jeffrey L. Beck

Canada Warbler Response to Regenerating Seismic Lines

Jocelyn Gregoire; Erin Bayne

Cattle Ranching and Its Effect on Jaguar Conservation Adjacent to a Natural Protected Area in Northeastern Mexico

Elizabeth J. Painter; Octavio C. Rosas-Rosas; Luis A. Tarango-Arámula; Juan Felipe Martinez-Montoya; Juan de Dios Guerrero-Rodríguez

Shorebird Use of Military Lands in Interior Alaska

Ellen Martin; Kim Jochum; Calvin Bagley; Paul F. Doherty

Measuring Ruffed Grouse Drumming Log Characteristics

Jeffrey G. Williams; Samuel Lau; Heidi Putnam; Joseph Quehl

Use of Song Rate to Infer Breeding Status in the Olive-Sided Flycatcher

Emily Upham-Mills; Erin Bayne; Samuel Haché

People Vs. Pig: A Look Into the Human Side of the Alabama Wild Pig Conflict

Ellary TuckerWilliams; Christopher Lepczyk; Wayde Morse

Winter Survival and Habitat Selection by Translocated Northern Bobwhite in the New Jersey Pine Barrens: Preliminary Results

Kaili R. Stevens; Christopher K. Williams; Theron M. Terhune; John P. Parke; John Cecil

Do Birds Differentiate White Noise and Deterministic Chaos? a Playback Experiment

Daniel T. Blumstein; Jessica Whitaker; Judith J. Kennen; Gregory A. Bryant

Peoples Engagement in Wildlife Management:With Special Reference to Kaziranga National Park, Assam

Juri Goswami

Evaluation of Wild Pig Behavioral Responses to Scent Exposure on Cowden Plantation, Jackson, South Carolina

Samantha R. Hitchens

Challenges to Developing Deterrents to Mountain Lion Depredation: A Future for Lions and Livestock?

Lynn Cullens

The Loggerhead Shrike Working Group: Shrike Conservation in the Northeast And Beyond

Amy Chabot; Sergio Harding; Richard Bailey; Stephen Spear

Session 54: Poster Session - Tuesday

Feeding Wildlife: Public and Animal Health in Barrier Islands

Sebastian Ortiz; Sonia M. Hernandez

Evaluation of White-tailed Deer Population in the Nelsonville Bypass, Ohio, and Use of Mitigation Structures

Devon Cottrill; Steven Porter; Matthew Trainer; Eileen Wyza; Robert Wiley; Jeffrey Roush; Nicole Dake; Viorel D. Popescu

Layering Landscapes of Fear: the Role of Predation Risk and Human Disturbance in a California Large Mammal Community

Kaitlyn M. Gaynor; Alex McInturff; Justin S. Brashares

Prevalence and Distribution of Raccoon Roundworm (*Baylisascaris Procyonis*) in a Semi-Urban Landscape in Northwest Missouri as Determined by Fecal Flotation Analysis.

Bridgette French-Harbison; Cary D. Chevalier; Bethany Bolander; Cassie Daldrup; Rachael Domann; Eli Eber; Cody Phillips; Nina Gray; Jessica Gunderson; Chris Kelley; Jaime Lynch; Stephanie Malone; Nick Williams

Influence of White-tailed Deer on Oak and Hickory Regeneration in Southern Illinois

Clayton K. Nielsen; Ryan Leeson; Eric Holzmueller; Devon Oliver

An Individual-Based Model of Hispid Cotton Rat Response to Habitat Variables in a Biofuel Feedstock Production System

Angela L. Larsen; Volker Grimm; Jessica A. Homyack; T. Bently Wigley; Darren A. Miller; Matina C. Kalcounis-Rueppell

Consumption and Assimilation Patterns of the Eastern Box Turtle, a Diet Generalist

Miranda Figueras; Kent Hatch; Timothy Green; Russell Burke

Influence of Prairie Dog Colonies on Vegetation and Cattle Movement in the Marathon Basin

Graduate R. Assistant; Whitney J. Gann; Louis A. Harveson; Bonnie J. Warnock; Ryan O'Shaughnessy

Telemetr: A Modular Telemetry Data Management System

Mitchell A. Gritts; Cody McKee

Evaluating the Reliability of Citizen Science Scuba Surveys for Monitoring Marine Life

Stefania Gorgopa; John P. Volpe

Development and Analysis of Avian Index of Biological Integrity for Kentucky Wetlands

Kaitlyn Kelly; David Brown

Recent Developments in Midwest Grassland Bird Conservation

Kelly VanBeek; Thomas Will

Climate and Recruitment in Pond-Breeding Amphibians

Robert Newman

Estimating Sizes of Ocelot Populations in Coastal Tamaulipas, Mexico

Mitch Sternberg; Rogelio Carrera-Treviño; Francisco Illescas-Martínez; Luis F. Martínez-García; Angel O. Salinas-Andrade; Luis J. Peña; Thomas deMaar

Linking Wildlife Communities to Prescribed Fire on Camp Bland Joint Military Installation in Northern Florida

Marcelo H. Jorge; Elina P. Garrison; Mike L. Conner; Michael J. Cherry

An Investigation Into the Health of Southern Beaufort Sea Polar Bears

Tricia L. Fry; Todd Atwood; Colleen Duncan; Kelly Patyk; Tony Goldberg

Amphibians Hit the Road: Assessing Roadway Mortality and Ecopassage Utilization Along a Two-Lane Highway

Charlene B. Hopkins; Shawn R. Kuchta; Willem M. Roosenburg

Occupancy of Co-Occurring Mountain Plover, Burrowing Owl, and Swift Fox on a Disturbed Short-Grass Prairie

Ryan A. Parker; Tyler Michels; Diana Tomback; Angela Dwyer; Laurel Hartley; Michael B. Wunder

The Influence of Environmental Variables, Age, and Sex on Eastern Gray Squirrel Capture Probability and Population

Jacob Shurba; Heidi Putnam; Nathaniel Yost

Breeding Bird Response to Post Oak Savanna Restoration in Eastern Texas 8-Years Post-Management

Courtney K. Williams; Christopher Comer; Jeffrey Gunnels

Raccoon Roundworm Intensity Distributions across Hosts and Modeled Implications for Population Management

Matthew E. Gompper; Aniruddha Belsare; Harith Al-Warid

The Effect of the Neonicotinoid Insecticide Clothianidin on the Behaviour and Development of the Monarch Butterfly

Alana A. E. Wilcox; Ryan Norris

Antler Characteristics and Age Structure of Mule Deer in Texas

Carolina Medina-Nava

Managing Climate Change Refugia for Wildlife Adaptation

Toni L. Morelli; Sean Maher

Prediction of Emperor Penguin Population at Northern Antarctic Peninsula

Mikail Akshin Bakhtiyarov

A National Analysis of Reptile Biodiversity and Ecosystem Services within the Protected Areas of the United States

Kenneth G. Boykin; William G. Kepner; Alexa J. McKerrrow; Anne C. Neale; Kevin J. Gergely

Effects of Differential Management Practices on Managed Wetlands within the California Central Valley

dustin howland

Infectivity and Transmission of Reticuloendotheliosis Virus in Northern Bobwhite

Melissa K. Hopkins; Jeff Breeden; Dustin Edwards; T. Wayne Schwerthner

Examining Reptile and Amphibian Detection Methods at Schenck Memorial Forest, Raleigh, North Carolina

Daniel J. Guinto

Modeling the Effects of White-Nose Syndrome on the Bat Community of Wisconsin

Jordan J. Meyer; Robin E. Russell; Scott E. Hygnstrom; Jason D. Riddle; Christopher J. Yahnke

Resource Use Agreements: What Are They and How Could They Be Implemented?

Julianne E. Savage

Coastal Habitat Restoration on Edwin B. Forsythe National Wildlife Refuge National Wildlife Refuge

Paul M. Castelli; Amy Drohan; Marc Virgilio; Vinny Turner; Virginia Rettig; Richard Albers

Does Urbanization Ameliorate the Effect of Endoparasite Infection in Merriam's Kangaroo Rat?

Gizelle Hurtado; Ghislaine Mayer; Karen Mabry

Investigating the Effects of Landscape Connectivity on the Occurrence of Chronic Wasting Disease in Michigan

Hunter Stanke; Jonathan Cook; Sonja Christensen; William F. Porter; David M. Williams

Recording Ultrasonic and Infrasonic Southern Flying Squirrel Responses

Katherine A. Rexroad; Brandon J. Enck; Sara L. Fischer

Current Status of Conservation Risks for Snowy Plovers Nesting in Saline Lakes on the Southern Great Plains

Warren C. Conway; David A. Haukos; Daniel P. Collins

Current Status of Conservation Risks for Snowy Plovers Nesting in Saline Lakes on the Southern Great Plains

Warren C. Conway; David A. Haukos; Daniel P. Collins

Ticks and Tick-Borne Pathogens in the Southeastern United States

Madeleine A. Pfaff; Michael J. Yabsley; Joseph L. Corn

ASK Yourself Where You Best Fit on the Wildlifehealth Team - Identification of Key Attitudes, Skills, and Knowledge Forupcoming Wildlife Health Professionals

Julie Wittrock; Tricia Fry; Michele Anholt; Colleen Duncan; Adam Herring; Craig Stephen

Using Ecological Monitoring to Minimize Environmental Impacts During Transmission Line Construction.

David B. Tompkins

Bisphenol a Contamination in Yellow-Bellied Sliders

Robert B. Cromer; Kayla McDavid

Abundance, Activity Patterns, and Interactions Among Ocelots, Bobcats, Cattle, Nilgai, Feral Hog, and Javelinas

Shelby B. Carter; Michael E. Tewes; Jason V. Lombardi; Justin P. Wied; John P. Leonard; Alfonso Ortega-Sanchez; Tyler A. Campbell

The Structural Complexity Index: A Nonparametric Descriptor of Habitat Heterogeneity for Wildlife Research and Management

Larkin A. Powell; Maggi Sliwinski; Walter Schacht; Edward J. Raynor

Simultaneous Estimation of Individual and Population Level Resource Selection Coefficients And Home Range Size Using Random-Effects Poisson Process Models

Daniel A. Crawford; Richard B. Chandler; Michael J. Cherry; Elina P. Garrison; Brian D. Kelly; L. Mike Conner; Karl V. Miller

Impacts of Land-Use Change on Riparian Bird and Bat Communities in the Ecuadorian Andes

Elyce N. Gosselin; Rodrigo Cisneros; Leonardo Ordoñez; David Roon; Lisette Waits

The NASA Applied Sciences Program Transitioning Research to Applications: Case Studies Focused on Terrestrial and Aquatic Wildlife

Maury Estes; Jay Skiles; Cindy Schmidt; Woody Turner

Using Spotlight Surveys and Distance Sampling to Estimate Density and Detection Probability of White-tailed Deer

Andrew S. Norton; Dan J. Kaminski; Tyler M. Harms

Prevalence of Batrachochytrium Dendrobatidis in Two Sympatric Tree Frog Species, Hyla Cinerea and Hyla Versicolor

Andrea Villamizar-Gomez; Thanchira Suriyamonkol; Kaitlyn N. Forks; William E. Grant; Hsiao-Hsuan Wang; Michael R.J. Forstner; Ivana Mali

Public Trust Thinking: Comparing Public Ownership of Wildlife in Italy and the United States

Stefano Giacomelli

Comparison of Sex Ratios of Western Painted Turtles Based On Long-Term Capture Records Versus Sex Ratios Calculated from Single-Season Capture Records in Clay County, Minnesota

Donna M. Stockrahm; Jessica L. Loeffler

Population Dynamics of a Recolonizing American Black Bear Population Under Hunting Pressures in Southeastern Oklahoma

Erica Perez; W. Sue Fairbanks; Morgan Pfander

Prairie Songbird Responses to Bison Grazing at the National Bison Range and Yellowstone National Park

Danielle A. Fagre; Victoria J. Dreitz, PhD

Carnivore Activity Patterns in Relation to Landscape Development and Competitor Co-Occurrence

Sandra Frey; Jason T. Fisher; John P. Volpe

A Closer Look at Modeling Vertebrate Richness Using Local Habitat Heterogeneity: A Multi-Scale Approach for Multiple Taxa

William J. Cooper

Reducing Bat Fatalities at Wind Facilities Through Smart Curtailment

Lauren A. Hooton; Crissy Sutter; John Goodrich-Mahoney; Sue Schumacher

Evaluating Private Lands Conservation Practices for Gopher Tortoise and Savanna-Like Ecosystems in the Southeastern Coastal Plain

Thomas J. Prebyl

Monitoring Matters

Douglas H. Johnson

Improving Line Transect Distance Sampling for Estimating Gopher Tortoise Populations

Heather E. Gaya; Lora L. Smith; Clinton Moore

Assessing Impacts of Woody Biomass Harvesting on Forest Biodiversity: Case Studies in Northeast USA

Heather Stricker; Deahn Donner; T. Bently Wigley; Darren Miller

Carnivore Communities Structure and Activity Patterns in a Restored Tall Grass Prairie

Jena Staggs; Abby Williams; Matthew Gompper

Enhancing Wildlife Habitat on Reclaimed Land on an Oil Sands Mine

Paul Knaga; Virgil Hawkes; Nathan Hentze; Ainslie Campbell

Analysis of Allelic Variation in Prion Protein Gene of Texas Mule Deer

Gael A. Sanchez; Randall DeYoung; Damon Williford; David Hewitt; Timothy Fulbright; Humberto Perotto-Baldivieso; Louis Harveson; Shawn Gray

Feasibility of Remote Mark-Recapture Methods on Fisher in Clarion County, Pennsylvania

Laken S. Ganoe; Carol Bocetti; Jeff Larkin; W. D. Walter

Twenty Years of the Modern Vaginal Implant Transmitter Then and Now

Justin R. Dion; Jacob L. Bowman; Jacob M. Haus; Joseph E. Rogerson

Characterizing Intertidal Flat Habitat in Northern Brazil

Daniel Merchant; Richard G. Lathrop; Larry Niles

Burrowing Arthropods as Bio-Indicators in Sustainable Forest Management

Dacotah B. Ateah

Assessing Population Abundance of Midges (*Culicoides spp.*) as Possible Vectors of Disease in Impacted and Non-Impacted Disease Zones.

Sydney E. Manning; Sonja A. Christensen; David M. Williams; Eric Benbow

Optimal Dynamic Sampling of a Spreading Population

Perry J. Williams; Mevin B. Hooten; Jamie N. Womble; George G. Esslinger; Michael R. Bower

Lead and Mercury Prevalence in Bald Eagles in the Mid-Atlantic United States

Andreas Eleftheriou; Lisa Murphy; Sallie Welte

Habitat Suitability for the Eastern Massasauga Rattlesnake throughout Southern Michigan

Stephanie A. Shaffer

Are Forecasts of Future Abundance for Rare And Declining Species Valid for Population Viability Analyses?

Edward O. Garton; Christian A. Hagen

Habitat Suitability of Restored Wetlands for Aquatic Turtles in West Virginia

Alissa L. Gulette; James T. Anderson; Joseph Hatton; Donald J. Brown

Differential Responses of Pool and Riffle Community Composition and Ecosystem Function to Urbanization in Central Maine Streams

Valerie Watson; Hamish Greig

The Use of the TRACT Tool to Prioritize and Rank the National Wildlife Refuge System's Land Acquisitions

Keenan Adams; Ken Fowler; Sean Fields; Kathy Fleming; Brad Andres; Mike Estey; Connie Rose; Julie Reeves; Delissa Padilla; Sarena Selbo; Mindy Rice

Establishing a Reliable Population Survey for Bobcats in the State of Oklahoma

Kalynn Branham; Wendelyn S. Fairbanks

High-Resolution GPS Tracking of Hunters and Black-tailed Deer in California

Alex McInturff; Kaitlyn Gaynor; Justin Brashares

Greater Sage-Grouse Population Viability Analyses at Multiple Spatial Scales Relevant to Management and Conservation

David R. Edmunds; Michael S. O'Donnell; Adrian P. Monroe; Cameron L. Aldridge

Contaminants of Emerging Concern in the Great Lakes Basin: Implications for Wildlife Management and Conservation

Stephanie Longstaff Hummel; Mandy Annis; Jo Ann Banda; Nicholas Cipoletti; Steve Choy; Sarah Elliot; Dan Gefell; Zachary Jorgenson; Jeremy Moore; Heiko Schoenfuss; William Tucker; Lina Wang; Daelyn Woolnough

Oxidative Stress as a Patho-Physiological Mechanism Associated with Viral Outbreaks: an Experimental Study on Frigatebird Nestlings

Manrico Sebastiano; Marcel Eens; Olivier Chastel; David Costantini

Evaluating the Success of Captive Propagation for the Conservation of the Endangered Houston Toad

Anjana Parandhaman; Madeleine J. Marsh; Shashwat Sirsi; William W. Keitt; Michael R. J. Forstner

A Comparison of White-tailed Deer Recruitment Rates to Relative Predator Abundance in Maryland

Eric Ness; Jacob Bowman; Brian Eyler

Efficacy of Timed Vs. Triggered Shots Using Reconyx PC900 Game Cameras

Holly Jones; Mariah Maser; Dr. Rachael E. Urbanek; Colleen Offenbittel; Geriann Albers

Measuring Predator Abundance Using Scent Stations and Trail Cameras in the Rolling Plains of Texas

Bryan D. Bingham; Grady Bergquist; Chris Taborsky; Matthew C. McEwen; C. Brad Dabbert

Efficacy of Sodium Nitrite Based HOGGONE in a Controlled Free Range Setting

John C. Kinsey; Justin A. Foster; Kurt C. VerCauteren; Nathan P. Snow; Simon Humphreys; Linton Staples; Janis K. Bush

Identifying Resting Locations of Small, Elusive, Forest-Dwelling Carnivores Using Gps Clusters

Katie M. Moriarty; Caylen Cummins; Bruce Hollen

Management and Monitoring Wildlife and Its Habitat on Melrose Air Force Range

Charles E. Dixon

Geospatial Analysis of Wildlife Crimes in West Virginia

Michael Miglore; Hannah Warner; Lauren Stollings; Darren Wood

Lyme Disease in the Adirondacks: Are Dogs Good Sentinels for Lyme Disease in Essex and Franklin County?

Ashley G. Hodge

Survey Olive Ridley Turtle in Cuthbert Bay Sanctuary of Middle Andaman Forest Division, Andaman Nicobar Islands, India

M. Rajkumar

Patterns of Infection of American Marten by the Nematode Parasite *Soboliphyme baturini* in Interior Alaska

Steven Guerin; Elisa Gagliano; Emma Fries; Mariel L. Campbell; Kerry L. Nicholson; Joe Cook

Home on the Range: Terrestrial Ecology of the Endangered Sonoran Tiger Salamander

Colin W. Brocka; John L. Koprowski

Effects of Environmentally Relevant Mixtures of Major Ions and Coal-Contaminated Sediment on Freshwater Mussels

Garrett S. Rhyne

Arizona Game and Fish Department International Wildlife Collaborations

Francisco J. Abarca; Cynthia Soria

Using Tablets to Collect Avian Spot Mapping Data

John R. Stanek; Jenna E. Stanek

Picture This: Monitoring Migratory Elk Using Remote Photography

Travis Zaffarano; Doug McWhirter; Aly Courtemanch; Greg Anderson; Matthew Kauffman

Climate Change Implications from an Anuran Annual Cycle Perspective

Cassandra Thompson; Viorel Popescu

Comparison of Three Techniques for Estimating Population Size of Raccoons on Ruler's Bar Hassock, New York

Jeanette Rodriguez

Session 80: Poster Session - Wednesday

Snowshoe Hare in Lower Michigan: the Shifting Range of a Climate-Sensitive Species

Spencer West

Effects of an Abnormal Hydrologic Event On Space Use, Resource Selection, and Movement of White-tailed Deer in Southern Florida

Heather N. Abernathy; Richard B. Chandler; Elina P. Garrison; Daniel A. Crawford A. Crawford; Brian D. Kelly D. Kelly; Kristin Engerbretsen; David B. Shindle; Karl V. Miller; Mike L. Conner; Michael J. Cherry

The American Black Bear and Baited Hair-Snares: A Quantitative Ethogram and Behavioral Analysis

Steven M. Gurney; Jennifer B. Smith; Dwayne R. Etter; David M. Williams

Phylogeography of Black Bears in the Northeastern United States

Catherine C. Sun; Matthew P. Hare; Angela K. Fuller; Jeremy E. Hurst

Wildlife Winners, Losers, and Survivors in the Canadian Oil Sands

Jason T. Fisher; Cole Burton

Influence of Movement and Resource Use on Reproductive Success of Elk in a Restored Landscape

Sharon E. Smythe; James W. Cain III; Warren C. Conway; Mark A. Peyton; Robert R. Parmenter

Micro- and Macro-Habitat Factors of Ocelot Occupancy

Jason V. Lombardi; Michael E. Tewes; Humberto L. Perotto; Justin P. Wied; John P. Leonard; Jose Mata; Daniel Kunz; Tyler A. Campbell

Understanding the Maintenance of Partial Migration: A Test of the Fitness Balancing Hypothesis with Mule Deer in South-Central Wyoming

Anna C. Ortega; Matthew Kauffman; Patrick Burke

The Effects of Predator Presence on White-tailed Deer Foraging

Joseph Fischer

Merging Historical Data with Contemporary Models to Track River Otter Recovery in NY

Jacqueline L. Frair; Andrew MacDuff; Jennifer Kurilovitch

Potential Effects of Gas and Oil Development on Mule Deer Survival and Fawn Rearing Resource Selection in North Dakota

Brett Skelly; Chris Rota; John Edwards; Joshua Millspaugh

Resource Utilization of American Marten in the Hiawatha National Forest in the Upper Peninsula of Michigan

Brad Silet; Gary Roloff; Eric Clark; Joe Lautenbach; Russell Aikens; Aimee Baier; John Powell; Steve Sjogren

Cougars in Utah's Cache County: Approaching the Beast from Multiple Perspectives

Margaret A. Hallerud; David C. Stoner; Daniel R. MacNulty

Estimating Black Bear Density Using DNA from Hair Snares in Northeastern Mexico

Juan P. Fimbres-Macias; Victor Riojas-Valdez; Diana E. Zamora-Avila; Rogelio Carrera-Treviño

Integrating Landscape Genetics and Simulations to Guide Restoration of New England Cottontail Populations in a Fragmented Landscape

Melissa L. Bauer; Adrienne I. Kovach; Heidi Holman

Do Winter Densities Influence Elk Movements and Trade-Offs in Habitat Selection on Winter Range?

Evelyn Merrill; Joshua Killeen; Jed Pettit; Jodi Berg; Holger Bohm; Scott Eggeman; Mark Hebblewhite

American Black Bear Movements in Response to Wildfire in Eastern Tennessee

Jessica Giacomini; Coy Blair; Joseph D. Clark; Lisa Muller

Assessing River Otter Occupancy in New York State Utilizing Camera Trapping and Floating Platforms

Kelly M. Powers; Jacqueline Frair; Andrew MacDuff

The Effects of Mixed-Severity Wildfires on Fisher Population Dynamics

David S. Green; Sean M. Matthews; Laura L. Finley; Roger A. Powell

Assessing Changes in Bat Activity in Response to an Acoustic Deterrent - Implications for Decreasing Bat Fatalities at Wind Facilities

Cole T. Lindsey

Evaluation of Home Range, Habitat Selection, and Denning Behavior of Urban Striped Skunks in North Dakota

Anna Schneider; Amy Gilbert; Brett Goodwin; Michael Niedzielski; Jason Boulanger

Ecological Parameters of Black Bear in the Northwest of Cumbres De Monterrey National Park, Nuevo Leon, Mexico.

Mercedes A. Salinas Camarena

Comparative Lynx Density Estimation and Ecological Implications

Darcy Doran-Myers

A Study of Social Development in African Painted Dog Pups

Rikki Curto; Victoria L. Jackson

Summer Forage Quality Differs for Migrants and Residents in a Partially Migratory Population of Elk

Kristin J. Barker; Michael Mitchell; Kelly M. Proffitt; Jesse DeVoe; Craig Jourdonnais; Philip Ramsey

A Habitat Suitability Analysis of the Red Wolf, Including Human Perception Components

Lauren Toivonen; Matthew Gompfer; Hong He; Charles Nilon; Regina Mossotti

Oka' Yanahli Nature Preserve Baseline Mammal Survey

Wendy S. Monterroso; Victoria L. Jackson

Disentangling Drivers of Pocket Mouse Occupancy in the Sagebrush Sea

Kristina Harkins; Merav Ben-David; Doug Keinath

Horn Size and Nutrition in Mountain Sheep: Can Ewe Handle the Truth?

Kevin L. Monteith; Ryan A. Long; Thomas R. Stephenson; Vernon C. Bleich; R. Terry Bowyer; Tayler N. LaSharr

Fisher Population Status, Habitat Use, and Competition with Pine Marten in Southeast Alaska

Caitlin Kupferman; Anthony Crupi; Sophie Gilbert

The Effects of Climate Change on Mammals in the Northeastern Forests of the United States

Toni Lyn Morelli; Rebecca Rowe; Stephen DeStefano; Alexej Siren; Keith Nislow; Mary Ratnaswamy

Mountain Lion Kill Rates and Competition with Black Bears in New Mexico

Arthur J. Anaya; James W. Cain III; James R. Biggs; Mark Peyton

Predicting Habitat Use by Bats to Protect Bats and Inform Wind Energy Development

Clarissa A. Starbuck; Carol L. Chambers

Desert Bighorn Sheep Occupancy Modeling: Do Sheep Use Different Terrain in Response to Human Disturbance?

Andrew M. Antaya

Influence of Introgressive Hybridization on Morphology of Coyotes in Pennsylvania

Uma Ramakrishnan; Vincent Buonaccorsi; Kelsey Barth

An Ounce of Prevention: Quantifying the Effects of Prevention Measures on Wolf Behavior

Rebecca Much; Stewart Breck; Nathan Lance; Peggy Callahan

Microclimatic Conditions in Lassen National Forest, California: Implications for the Pacific Marten

Marie E. Martin; Katie M. Moriarty

Identifying Home Range and Resource Selection Patterns of a Reintroduced Elk Population: Black River State Forest, Wisconsin

Travis Bryan

Den Site Selection of Florida Spotted Skunks in a Dry Prairie Ecosystem

Stephen N. Harris

Diet Composition and Prey Selectivity of Gray Wolves in Prince Albert National Park, Saskatchewan, Canada

Justin R. Shave; Andrew E. Derocher; Seth G. Cherry

Population Dynamics of Mule and White-tailed Deer in the Chihuahuan Desert

Cuau Vital-García; Martha P. Olivas-Sánchez; Fernando Rodríguez; Michelle Lugo-Castro

A Mother Knows Best? Implications of Female Caribou Habitat Selection on Calf Survival on a Multi-Predator Landscape

Gillian Fraser; Jason T. Fisher; John Volpe

Female Mule Deer Response to Forage Availability and Predation Risk in a Mojave Desert Sky-Island Landscape. Mojave Desert Sky-Island Landscape.

Christopher Lowrey; Kathleen M. Longshore; David Choate; Daniel Thompson; Jyothy Nagol; Joseph Sexton

Pacific Fisher Distribution and Detectability in Southwestern Oregon

Brent R. Barry; Katie Moriarty; Taal Levi

Population Size and Habitat of Indian Gazelle in Nizampur Area, District Nowshera, Khyber Pakhtunkhwa, Pakistan

saif ullah

Estimating Site Occupancy, Species Richness, And Activity Patterns of Mesocarnivores by Using Baited and Un-Baited Camera Traps In Oka' Yanahli Preserve in Johnson County, Southcentral Oklahoma

Dineesha L. Premathilake; Victoria Jackson

Distribution and Habitat Associations of Pacific Fisher, American Marten, and Sierra Nevada Red Fox in the Klamath Network Parks

Marisa Specht; Joan Hagar

Survival and Movements of Rehabilitated Black Bear Cubs Released in North Carolina

Casey A. Gray; Colleen Olfenbuttel

Returning Elk to Eastern North America

Don White, Jr.; Tom Toman

The Effects of Land Use and Food Availability on Gelada Habitat Use in the Simien Mountains National Park, Ethiopia

Julie C. Jarvey; Bobbi S. Low; Jacinta C. Beehner

The Adaptability and Disease Patterns of an Urban Coyote Population in the Mojave Desert

Craig D. Reddell; Gary W. Roemer; James W. Cain

Herbivorous Mammals Inventory and Monitoring in Ujung Kulon National Park

Adreanna Mazaya; Dandung Wasana; Ambi Setya Rini

Influence of Life-History Stage, Movement State, and Resource Dispersion on Swift Fox Habitat Use in the Northern Great Plains

Andrew Butler; Kristy Bly; Heather Harris; Bob Inman; Axel Moehrenschrager; Donelle Schwalm; David Jachowski

Woodland Caribou Habitat Considerations along the Lake Superior Coast

Jack McClinchey

Using Distance Measurements to Assess How Fishers Respond to Fuel Reduction Treatments in an Oregon Forest.

Tessa Smith; Eric Gese; Pat Terletzky; Craig Thompson

Mating System and Social Structure of the Florida Bonneted Bat

James Austin; Jeffery Gore

Comparing Apples and Oranges? Capture-Recapture Versus Occupancy Modeling in Determining Abundance and Density of Bobcats in West Virginia

Thomas F. Rounsville; Rich E. Rogers; Amy B. Welsh; Christopher W. Ryan; James T. Anderson

Understanding the Relative Role of Nutrition and Predation Risk in Regulating Sympatric Ungulate Populations in Southwest Wyoming

Katey Huggler; Matthew M. Hayes; Patrick Burke; Mark Zornes; Dan Thompson; Kevin Spence; Kevin L. Monteith

Why Are Middens Attractive? Impacts of Red Squirrels on Biodiversity

Marina Morandini; John L. Koprowski

Indices Assessing Marten Population Status and Trend in Interior Alaska

Kerry L. Nicholson

Cyclicity in Mount Graham Red Squirrels, a Clue to Developing an ex situ Propagation for Release Program

stuart A. wells

Ten New Locations of the Endangered New Mexico Meadow Jumping Mouse Detected on Tribal Lands in Southwestern Colorado

Jennifer L. Zahratka; Aran S. Johnson; Erin M. Lehmer; Steven D. Fenster; Steve L. Whiteman

Using Aerial Surveys and Wildlife Cameras to Quantify Abundances of White-tailed Deer in Eastern Connecticut

Jennifer Kilburn; Tracy Rittenhouse

Utilizing Non-Invasive Techniques to Determine Genetic Variation and Demographics of Snowshoe Hare in Michigan

Genelle Uhrig; Eric Clark; Emily Latch

Deer Population Responses to a High-Severity Wildfire

Jennifer L. Brazeal; Ben Sacks

Forecasting Consequences of Changing Sea Ice Availability for Pacific Walruses

Mark S. Udevitz; Chadwick V. Jay; Rebecca L. Taylor; Anthony S. Fischbach; William S. Beatty; Shawn R. Noren

Follow the Bear: Expanding Understanding of Black Bear Ecology Across Variable Densities and Landscapes

Jennifer Smith; David Williams; Michael Wegan; Dwayne Etter; William Porter

Effects of Woody Encroachment on Anti-Predator Behavior and Communication in the Harris' Antelope Ground Squirrel

Alexandra Burnett

Patterns of Genome Wide Variation in Bobcats in Different Ecological Zones

Jennifer C. Broderick; Sarah Sprauer; Jan Janecka

Eleven Years Weather Retrospective Study in Mule Deer Population Dynamics in Chihuahua

Michelle Lugo-Castro; Cuauhcihuatl Vital-Garcia; Fernando Rodriguez

Conserving an Endangered Pollinator through Bat-Friendly Agave Management Programs in Northeast Mexico

Kristen Lear; Jeffrey Hepinstall-Cymerman; Elizabeth King; Laura German; Clint Moore; Meredith Welch-Devine; Jose Juan Flores Maldonado

Boreal Mammal Community Dynamics in a Seismic Line Network

Erin Tattersall; Jason T. Fisher; Joanna Burgar; Cole Burton

Rangeland Suitability Model for the Texas State Bison Herd in Caprock Canyons State Park.

a'Lisa M. McAnally; Heather A. Mathewson; Thomas W. Schwertner; Jefferey B. Breeden; Donald Beard

Assessing High Risk Habitats for White-tailed Deer in Virginia

Matt Lacey

Distribution Patterns of Spatial Analysis of Javan Leopard at Karang Ranjang, Cibunar, and Ciadon Resorts, Ujung Kulon National Park, Indonesia

Elfa Gita Fitri Febriani; Jasmine Arumsari

Too Close for Comfort? Inbreeding Dynamics in a Small Mountain Lion Population Is Greater Los Angeles

John F. Benson; Jeff A. Sikich; Devaughn L. Fraser; Robert K. Wayne; Holly B. Ernest; Seth P.D. Riley

Carnivore Territoriality: Individual-Based Modeling of Economic Selection of Wolf Territories

Sarah N. Sells; Michael S. Mitchell; Angela D. Luis; Kevin M. Podruzny

Characteristics of American Marten Habitat Use: A Resource Selection Function for Michigan's Northern Lower Peninsula

Angela Kujawa; Paul Keenlance; Alexandra Locher; Robert Sanders; Joseph Jacquot

Diets of Kit-Rearing Female Martens in West Michigan: She Ate What?!

Cory Highway; Paul Keenlance

Furthering Population Genetics Study of Interior Alaskan Marten

Elise Stacy; Kris Hundertmark; Kerry Nicholson

A Novel Method for Individual Identification of Bobcats and Population Estimate Using Remote Sensor Cameras

Matthew T. Fountain; Micaela Szykman Gunther

Understanding the Terrestrial Carnivore Community Composition and Distribution in Southeastern Ohio

Mackenzie E. Rich; Cassandra M. Thompson; Viorel D. Popescu; Suzanne Prange

The Influence of Anthropogenic Water on Puma Habitat Use and Prey Selection in Arid Ecosystems

Hunter Prude

Using Fine Resolution Vegetation Data from Lidar and Ground Based Sampling to Describe Pacific Marten Resting Habitat

Patrick J. Tweedy; Katie M. Moriarty; John D. Bailey; Clinton W. Epps; Brian Wing

Bobcat Home Range Size, Home Range Overlap, and Habitat Utilization in Northern Wisconsin

Catherine C. Dennison; Nicholas Forman; Nathan M. Roberts

Are North American Populations of Migratory Tree-roosting Bats Declining?

Erin F. Baerwald; Robert M. R. Barclay

Lambing Habitat and Juvenile Recruitment in Sierra Nevada Bighorn Sheep

Shannon Forshee

Assessing Revisitation and Structural Changes Over Time in Pacific Marten Rest Structures

Bryce Woodruff; Katie Moriarty

Thriving in the Boreal: Identifying the Drivers of White-tailed Deer Seasonal Habitat Selection and Movement in Northern Alberta Canada

Siobhan Darlington; Jason T. Fisher; John P. Volpe

Using Non-Invasive Hair Snares to Monitor American Marten 30 Years Post-Reintroduction

Jill C. Witt; Karen Ickes; Anjela Sullenger; Dominika Mazzola; Joseph Sucic; Robert Sanders; Ari Cornman

Distribution of Swift Fox and Sympatric Canid Species in the Dakotas

Emily L. Mitchell; Tammy L. Wilson; Donelle Schwalm; Jonathan A. Jenks

An Estimation of Coyote Population Size for Evidence of a Trophic Cascade

Joshua S. Hoskinson

Using Cheetahs to Determine the Functional Response of a Mesocarnivore

Anne Hilborn; Marcella Kelly; Sarah Durant

Assessing Spatio-Temporal Patterns, of Human -Carnivore Conflict in and Around Pir Lasura National Park, Azad Jammu and Kashmir, Pakistan

Faraz Akrim; Tariq Mahmood

Understanding Mechanisms of Diet Selection in White-tailed Deer

Jacob Dykes; Marcus Lashley; Bronson Strickland; Steve Demarais; Dan Reynolds

Application of the Bighorn Sheep Risk of Contact Tool and Best Available Science to a Domestic Sheep Allotment Analysis Process: the Fisher-Ivy/Goose Allotment, Rio Grande National Forest.

Randal Ghormley; Dale Gomez

Trapping Protocol for Difficult to Detect Small Mammals

Douglas A. Keinath; Kristina Harkins; Merav Ben-David

Can Community Driven Conservation Improve Small Mammal Diversity and Health in Eastern Madagascar?

Jordan Broadhead; Sarah Zohdy

Estimating Density of Sitatunga in the Mayanja River of Central Uganda Using Spatially Explicit Capture Recapture

Camille H. Warbington; Mark S. Boyce

Mule Deer Habitat Preference in Chihuahua, Mexico

Martha Patricia Olivas; Cuauhcihuatl Vital García; Juan Pedro Flores Margez; Miroslava Quiñonez Martínez; Antonio De la Mora Covarrubias

The Status of Scientific Knowledge on Sulawesi Mammals: A Review of the Empirical Literature and Recommendations for Future Studies

Bayu W. Broto; Alessio Mortelliti

Symposia *(subject to changes)*

Session 71: #CalloftheScicomm: How Science Communication via Social Media Can Benefit Your Career and Your Research

#Scicomm-Unity: Representation and Finding Community Through Social Media #Scicomm
Shelby Bohn

Using #Scicomm to Create Buy-In
Marcus Gray

Creative Visual Experiences for Your Research
Natalie Rogers

#Sciencecandle: How Podcasting Science May Help Scientists Earn Public Trust
Madhusudan Katti

Reaching Kids with Your Science: Strategies from Emammal Citizen Science to Foster Future Conservationists
Stephanie Schuttler; Rob Dunn; William J. McShea; Robert Costello; Roland Kays

Scicomm: Normalizing Science for Future and Contemporary Success
Imogene Cancellare

Busting Out of the Bubble: Outreach to New Audiences
David Steen

A Carnivore-Based Soap Opera: Using Stories and Social Media to Disseminate Research
Asia Murphy

Live Streaming Your Science: Engaging Scicomm Via Periscope and Facebook Live
Nicole Wood

Session 72: A New Day for Bison? - Ecological Restoration in the 21st Century

Why Restore Wild Bison?
Tom France

Current Conservation Status and Future Opportunities for Plains Bison Restoration
Keith Aune

Historical Context and Threats to Wild Plains Bison Sustainability
Harold Picton

Wild Plains Bison Genetics and Management
Cynthia Hartway

Plains Bison Restoration - Keys to Success on the Ground
Kyrán Kunkel

Role of Partnerships on the Restoration of Plains Bison
Luis Ramirez

The Missing Link in the Ecological Restoration of Bison, State Management
Bill Bates

Tribal Role in the Ecological Restoration of Plains Bison
Ervin Carlson

Federal Role in the Ecological Restoration of Plains Bison

Glenn Plumb

The Department of Interior's Bison Conservation Working Group *Meta-Populations and Ecological Restoration*

Stephen C. Torbit

Session 95: Advancing Wildlife Conservation and Renewable Energy: A Synthesis of Energy System Technologies and Identifying Effects on Wildlife

Advancing Wildlife Conservation and Renewable Energy

Steve Grodsky

Siting and Land Assessment for Renewable Energy Projects

Noah Matson

Solar Energy: A Technology with Multi-Scale Opportunities to Integrate Wildlife Conservation

Brian B. Boroski

Wind Energy: Effects on Birds

David Drake

Effects of Harvesting Forest-Based Biofuels on Wildlife: What Have We Learned?

Jessica Homyak; Jake Verschuyf

Perennial Grasses and Agricultural Residue

Susan P. Rupp

Waterpower and Wildlife: Hydropower and Marine Hydrokinetic Energy

Henriette I. Jager; Lindsay M. Wickman

Renewable energy policy directives: long-term implications for wildlife conservation

Edward B. Arnett

Session 73: Assessing Wildlife Habitat to Guide Conservation Planning and Restoration

Existing Methods of Assessing Wildlife Habitat on Private Property During the NRCS Conservation Planning Process

Stuart Tuttle

Connecting Arizona's Wildlife Species to Ecological Site Descriptions - a New Model

Ali Lenton; Paul Beier; Marcus Miller; Stuart Tuttle

MOM Knows Best: Mouse Occupancy Modeling Reveals Habitat of an Endangered Rodent

Carol Chambers; Valerie Horncastle; Garrett Billings; Judith Springer

Tracking Escherichia Coli Infections of the Endangered New Mexico Meadow Jumping Mouse

Austin Dikeman; Daniel Sanchez; Viacheslav Fofanov; Faith Walker; Carol Chambers

Salad Within: Genetically Identifying Diet of an Endangered Species

Daniel Sanchez; Austin L. Dikeman; Faith M. Walker; Valerie Horncastle; Carol L. Chambers

Geomorphic Analysis of New Mexico Meadow Jumping Mouse (*Lapus Hudsonius Luteus*) Habitat

Marcus Miller; Stu Tuttle; Barry Southerland; Carol L. Chambers

Identifying Habitat Resources for Conservation of Riparian Birds on Working Landscapes

Robert J. Steidl; Erik Andersen; Larry D. Howery; George Ruyle; Zachary Smalls; Stuart Tuttle

Effects of Time-Controlled, Livestock Grazing on Habitat of Southwestern Willow Flycatchers in West-Central Arizona

Zachary Smalls; Larry Howery; Stuart Tuttle; George Ruyle; Robert Steidl

Integrating Information on Riparian Systems and Processes to Improve Evaluation of Habitat for Riparian Obligate Species on Private Lands

Matthew Johnson; Jennifer Holmes; Erika M. Nowak

Assessing Wildlife Use of Livestock Water Sources in the Eastern US

Nancy L. Buschhaus; Russell L. Milam; Daniel A R Taylor; Stuart R. Tuttle; Marcus Miller

Session 15: Bird Conservation on Managed Forest Landscapes

Introduction: The Role of Forest Management in Forest Bird Conservation

Gary J. Roloff

American Woodcock Reproductive Rates in Relation to Forest Structure at Local and Landscape Scales

Allie Shoffner; David Luukkonen; David Williams; Scott Winterstein

Avian Conservation Within Working Forests of the Southeastern US

Emily Jo Williams

The Role of Early Successional Forests in Maintaining Forest Bird Populations

Mark E. Swanson

An Early-Successional Shrubland Habitat Decision Support Tool

David King; Jason Coombs; Keith Nislow; Jeffrey Ritterson; Michael Akresh; Jeffrey Collins

Habitat Selection and Movement of Fledgling Cerulean and Golden-Winged Warblers in Managed Mixed-Oak Forests of the Central Appalachian Mountains

Jeffrey Larkin; Cameron Fiss; Doug Raybuck; Darin J. McNeil; Amanda Rodewald; Than Boves; Scott Stoleson

Guild-Specific Effects of Intensive Forest Management on Avian Abundance

Jake Verschuyt; Jack Giovanini; Matthew G. Betts; Andrew J. Kroll

Forest Management, Bird Diversity, and Early Successional Forests in the Southern US: Research to Date

Scott Rush

Provision of “Open Pine” Conditions on Managed Forest Landscapes in the Southeastern US: Responses from Avian Communities

Darren A. Miller

Migratory Bird Joint Ventures: Bridging Science and Implementation to Conserve Migratory Birds Across North America

Becky Keller

Session 16: Challenges of Balancing Stakeholder Engagement and Scientific Decision-Making to Inform Wildlife Policy

Conservation Decision-Making through Transparency, Inclusion, and Use of Best Available Science

Rebecca Humphries

Control of Apex Predators During the Restoration of Endangered Ungulates

Eric M. Rominger

Integrating Stakeholder Input and Science in Governance of the Public Trust in Wildlife

John F. Organ; Shawn A. Riley; Daniel J. Decker

Effective Implementation of the Endangered Species Act By Engaging Multiple Stakeholders

Nancy E. Mathews

Women as Collaborative Leaders on Rangelands in the Western United States

Laura Van Riper

Moving Feral Cat Management Forward

Christopher A. Lepczyk

The Politics of Deer Farming in North Carolina - Lessons Learned

Robert D. Brown

The Art of Deer Management: Finding the Sweet Spot between Biological Reality and Public Acceptance

Jason A. Summers

Conservation By Conflict

Sherry L. Barrett

Canary in the Marijuana Field: How Wildlife Engaged Stakeholders and Policy in Addressing Environmental Impacts from Marijuana Cultivation in the Western United States

Mourad W. Gabriel

Session 43: Climate-Wise Connectivity: How to Plan and Implement

What Is Climate-Wise Connectivity?

Paul Beier

Integrating Connectivity and Climate Change Science to Model Connectivity - a Systematic Review

Annika Keeley; Adina Merenlender; Patrick Huber

Linking Landscapes and Climates: Two Approaches to Modeling Connectivity for Climate Change

Joshua J. Lawler; Caitlin E. Littlefield; Julia Michalak; Jenny McGuire; Brad H. McRae

Adapting Connectivity Conservation to Climate Change: A Case Study from the Pacific Northwest

Meade Krosby

Prioritizing Corridors and Protected Area Expansions to Facilitate Species Range Shifts in Sonoma County, California

Morgan Gray; Adina M. Merenlender

Nested Connectivity Models to Resolve Management Conflicts and Promote Climate Change Resilience Using Mule Deer and American Bullfrogs in the Sonoran Desert as Study System

Joseph Drake; Nancy McIntyre; Kerry Griffis-Kyle

Dispersal Limitation, Climate Change, and Practical Tools for Conservation in Intensively Used Landscapes

Laura Coristine

Multi-Scale Connectivity Approaches As a Means of Implementing Climate-Wise Connectivity Planning for the Mohave Ground Squirrel

Thomas E. Dilts; Peter J. Weisberg; Marjorie D. Matocq; Kevin Shoemaker; Miranda Crowell; Eveline Larrucea; Kenneth Nussear; Phillip Leitner; Richard Inman; Todd Esque

TBA

Sasha Gannet

Session 81: Connecting Wildlife and Science: Borderlands and Beyond

Noninvasive Genetic Monitoring of Sonoran Pronghorn Along the United States-Mexico Border

Lisette Waits; Susannah Woodruff; Paul Lukacs; Stephanie Doerries; Miguel Grageda; Jennifer Adams; John Hervert; James Atkinson

An Overview of Advances in Connectivity Conservation at the Borderlands of Sonora and Chihuahua

Juan Carlos Bravo

Border Impacts on Wildlife

Miguel Angel Grageda; Tyler Coleman

Wildlife Conservation in Mexico: Challenges and Risks

Karla Pelz Serano

Protected Areas and the Agricultural Frontier in the Colombia: A New Artificial Border for Carnivores?

I. Mauricio Vela-Vargas; José F. González-Maya; Angela P. Hurtado-Moreno; Diego Andres Zárrate-Charry; J. Sebastian Jiménez-Alvarado; Catalina Moreno; Mauricio González

Session 82: Conserving Nature's Stages and Helping Wildlife Move between Them

Achieving Climate Connectivity in a Fragmented Landscape

Jenny McGuire; Joshua Lawler; Brad McRae; Tristan Nuñez; David Theobald

Building Ecological Resilience Through Coordinated Riparian Conservation

Alexander K. Fremier; Amanda T. Stahl; Barbara Cosens

Using Abiotic Diversity to Prioritize Biodiverse Core Areas and Define Corridors between Them

Paul Beier

Capturing Species-Specific Corridors with Land Facets

Kathy Zeller; Megan Jennings

Go with the Flow: Measuring Landscape Permeability to Design Conservation Networks That Facilitate Range Shifts

Mark Anderson

Session 96: Farm Bill Conservation Programs: Perspectives on Delivery and Wildlife

Benefits

Farm Bill Alphabet Soup: an Overview of Title II Conservation Programs

Andrew Schmidt

On-the-Ground Implementation of the Farm Bill – Partners for Conservation

Jim Stone

Estimating the Economic Benefit of the Hunting Access Program in Nebraska

Jennifer R. Foggia; Lindsey N. Messinger; Joseph J. Fontaine

Efficacy of USDA Rangeland Conservation Practices: Is It Time for an Evidence-Based Platform?

David D. Briske

Changing the Paradigm of Conservation Delivery: Using Technology to Identify the Economic Opportunities of Strategic Conservation

Mark McConnell

Conservation Effects Assessment Project Wildlife Component

Charles Rewa

Outcomes Not Acres: Quantifying Conservation Benefits of the NRCS-Led Sage Grouse Initiative

David Naugle; Jeremy Maestas; Tim Griffiths; Thad Heater; Galon Hall

National Bobwhite Conservation Initiative - CRP: from the Farm House to the White House

Thomas Dailey

Conservation Consternation- Wait for Results Or Act Now? Putting Actionable Science to Work

Christian A. Hagen

An Interactive Tool for Evaluating the Effectiveness of Management Actions to Improve Habitat for Golden-Winged Warblers
Casey Lott

Session 74: Freedom to Roam - Wildlife Connectivity in Action from Data to Implementation and Assessment Part I

Foundational Principles of Managing Landscapes for Wildlife Movement and Habitat Connectivity: The State of the Practice of Modeling Wildlife Connectivity

Sam Cushman

Inference About Landscape Connectivity Using Spatial Occupancy Models

Chris Sutherland

Density-Weighted Connectivity for Landscape Management and Connectivity Conservation

Angela K. Fuller; Jeffrey A. Royle; Dana J. Morin; Yexiang Xue; Bistra Dilkina; Amrita Gupta; Chris Sutherland; Carla Gomes

Genetic Data to Estimate Connectivity for US-Mexico Border Species

Melanie Culver

From Swamp Tigers to Desert Lions: Wild Cats as Flagship Species for Landscape Conservation

Ashwin Naidu

Estimating Connectivity in a Metapopulation System

Paige Howell; Blake Hossack; Erin Muths; Brent Sigafus; Richard Chandler

Graph-Theoretic Approaches to Connectivity and Dynamic Spatial Processes

Joseph Drake; Xavier Lambin; Chris Sutherland

Circuitscape Connectivity Modeling/Gflow

Rob Baldwin

Focal Species and Landscape Naturalness Approaches to Modeling Habitat Connectivity

Meade Krosby

Session 97: Freedom to Roam - Wildlife Connectivity in Action from Data to Implementation and Assessment Part II

Tying Together the Legs of Connectivity Analysis - Roadkill, Camera Traps, Genetics, GIS, and Theory

Fraser Shilling

Developing and Implementing Linkage Conservation Plans

Paul Beier

Genetic Data for Evaluating Effectiveness of Connectivity Structures

Lisette Waits

ESRI's Green Infrastructure Initiative

Ryan Perkl

Wildlife Connectivity Planning in Arizona

Julie Mikolajczyk

Case Study: Implementation of Tijeras Canyon Corridor in NM

Kurt Menke

Sustaining Ungulate Migrations: New Tools to Identify and Conserve Corridors Across Multiple-Use Landscapes

Jerod Merkle; Matthew J. Kauffman

Case Study: Implementing Wildlife Crossings in Arizona

Scott C. Sprague; Jeffrey W. Gagnon; Chad D. Loberger; Kari S. Ogren; Susan L. Boe

Connecting Habitat Across New Jersey

Gretchen Fowles; Brian Zarate; MacKenzie Hall; Karina DiLeo

Session 44: Genetics to Genomics: What We've Learned over the Last 10 Years and What's Next for Wildlife

Genetics to Genomics: What We've Learned and What's Next for Wildlife Management

Emily Latch

SNP-Based Assessment of Genetic Diversity and Population Structure in Northern Bobwhite

Damon L. Williford; Randy W. DeYoung; Leonard A. Brennan

High-Throughput Sequencing Used to Compare Neutral and Adaptive Genetic Variation among Tamaulipan Ocelot Populations

J. P. Leonard

Optimizing Disease Management of Prairie Dogs with Population Genomics

Rachael Giglio; Tonie Rocke; Jorge Osorio; Emily Latch

Conservation Genomics of Declining Cascades Frogs at the Southern Edge of Their Range

Bennett Hardy; Emily K. Latch; Karen L. Pope

Importance of Genomics and Hybrid Phenotypes in the Mallard Complex: Establishing a Working Field Key Requires Vetting Phenotypic Characters with Genomic Techniques

Philip Lavretsky

Population Genetic Inferences in Eastern Coyotes: Comparing Microsatellites to Genome-Wide SNPs to Elucidate Patterns of Genetic Diversity and Admixed Ancestry

Elizabeth Heppenheimer

Beyond Population Genomics- Ecological Epigenetics and Application to Wildlife Management

Kristin E. Brzeski

Sage-Grouse Management in the Genomics Age: Insights Into Local Genetic Adaptation and Population Differentiation

Kevin P. Oh; Cameron L. Aldridge; Sara J. Oyler-McCance

Molecular Underpinnings of Sarcoptic Mange Susceptibility and Severity in Yellowstone Wolves

Alexandra DeCandia; Quin Pompei; Emily Almborg; Daniel Stahler; Bridgett vonHoldt

Session 45: Landscape Conservation Planning: Making Conservation Real for People - Planning Is Easy, People Are Hard - Building Effective Landscape-Scale

Conservation Efforts That Endure on the Landscape

~~The Human Impacts of Climate Change on the Southeast Conservation Adaptation Strategy~~
Cynthia K. Edwards; Bill Uihlein; Wylie Carr

Engaging Partners Through a Decision Support Framework to Accomplish Landscape Conservation Design in the Ozark Highlands

Thomas W. Bonnot; Frank R. Thompson; D. Todd Jones-Farrand

A Recipe for Coastal Resilience: Equal Parts Adaptation Science and Community Engagement

Megan Cook; Cynthia Kallio Edwards; Jeff Burgett; Amy Holman; Karen Murphy; Kat Powelson; Steve Traxler

Leopold's Land Ethic and Conservation Perceptions of Illinois Farmers

Craig A. Miller; Jerry J. Vaske

Conserving the Plains and Prairie Pothole Ecoregion: Use of an Easy Tool to Understand Landowners' Decisions
Lily A. Sweikert; Larry Gigliotti

Understanding Iowa Landowners' Values, Attitudes & Behaviors Toward Wildlife & Wildlife Habitat
Larry M. Gigliotti; Lily A. Sweikert

Integrating Human Information Into Conservation Planning and Design: A Tale of Two Joint Venture Human Dimensions Efforts
Jonathan Hayes

A Monarch's View of the City: Social Science Applications in an Urban Monarch Butterfly Conservation Project
Alexis Winter

Engaging Landowners in Conservation – Case Studies from the Northeast
Steven G. Fuller; Bridget MacDonald

Panel Discussion: Landowner Perspectives on Conservation Partnerships to Sustain Working Landscapes for People and Nature
Steve Jester; Jim Stone; Bill Sproul; Reese Thompson

Session 75: Lessons Learned from Long-Term Conservation Research of Amphibians and Reptiles

Conservation of Chiricahua Leopard Frogs in Southwestern New Mexico
Randy D. Jennings; Michelle R. Christman; Bruce L. Christman

A Boreal Toad Stronghold in the Bonneville Basin Desert, Utah
Paul Thompson

Going the Distance: Endurance and Serendipity in Long-Term Studies
Jeff Lovich

Revelations About Long-Term Research from a 25-Year Program on Ecological and Conservation Scaling in the Dunes Sagebrush Lizard
Lee A. Fitzgerald

Amphibian and Reptile Communities Provide Insight Into Understanding the Effects of Non-Native Vegetation and Restoration of Southwestern Riparian Habitats
Heather L. Bateman

The Monitoring Plan and Successes of Multi-Year Monitoring of Flat-Tailed Horned Lizards in California, Arizona, and Mexico
Daniel J. Leavitt; Robert E. Lovich

TBA
Andrew Holycross

Long-Term Collaborative Rattlesnake Research and Monitoring Leads to Educational Opportunities for Visitors in the Verde Valley National Monuments
Erika Nowak

Session 67: Managing Prairie and Shrubland Grouse Populations in the 21st Century: Revisiting the Declining and Small Population Paradigms

Small Populations: Lessons Learned from the Attwater's Prairie-Chicken
Michael E. Morrow; John E. Toepfer

Small Populations of Prairie Grouse; Causes, Consequences, and Challenges
Michael A. Schroeder

Comprehensive Habitat Requirements and Migration Strategies of a Small Greater Sage-Grouse Population

Aaron C. Pratt; Kurt T. Smith; Jeffrey L. Beck

Landscape Context Is Critical for Conservation of Greater Prairie-Chickens in Nebraska

Larkin A. Powell; Mary Bomberger Brown; Walter H. Schacht

Greater Sage-Grouse Reproductive Habitat Selection, Survival, and Male Lek Counts in Response to Wind Energy Infrastructure

Chad LeBeau

Importance of Increased Reproduction in the Success of Sharp-Tailed Grouse Translocations and Efficacy of Artificial Insemination

Steven R. Mathews; Peter S. Coates; Shwan Espinosa; David J. Delehanty

Patterns of Genomic Diversity Loss in Declining Prairie Grouse Populations and Its Implication on Fitness

Jeff A. Johnson

Managing Genetic Diversity in Small Populations of Sage-Grouse: Promise and Pitfalls

Sara Oyler-McCance

Lesser Prairie-Chicken Population Dynamics: the Good the Bad and the Ugly

Christian Hagen

The Effects of Conifer Encroachment on Greater Sage-Grouse Demography and Tree Removal as a Management Strategy

John P. Severson; Pete Coates; Mark Ricca; Brian Prochazka; Christian Hagen

Potential Restorative Benefits of Tree Removal and Sagebrush Restoration for Gunnison Sage-Grouse

Jeffrey L. Beck; Kevin E. Doherty; Jacob D. Hennig; Jonathan B. Dinkins; Kathleen A. Griffin; Avery A. Cook; Jeremy D. Maestas; David E. Naugle

Understanding the Broad-Scale Implications of Livestock Management on Sage-Grouse Population Trends Using Public Records

Adrian P. Monroe; Cameron L. Aldridge; Timothy J. Assal; Kari E. Veblen; David A. Pyke; Michael L. Casazza

The Adverse Impacts of Wildfire to Greater Sage-Grouse Population Numbers in the Great Basin: Inferences for Management Actions

Mark A. Ricca; Peter S. Coates; Brian G. Prochazka; Matthew L. Brooks; Kevin E. Doherty; Erik J. Blomberg; Christian A. Hagen; Cameron L. Aldridge; Steven Hanser; David A. Pyke; Michael L. Casazza

Simulating the Causes and Fates of Small and Declining Sage-Grouse Populations Using Spatially Explicit Individual-Based Modeling Approaches

Julie A. Heinrichs; Cameron L. Aldridge

A Data-Driven Decision Point Tool to Signal Sage-Grouse Population Declines at Multiple Spatial Scales for Adaptive Management

Peter S. Coates; Mark A. Ricca; Brian G. Prochazka; Cameron L. Aldridge; Steve E. Hanser; Kevin E. Doherty

Session 17: Mesos in the Middle: Strategies for Researching Understudied or Elusive Mid-Sized Mammalian Carnivores

Understudied But Not Forgotten: The Importance of Mesocarnivores to Community Structure and Function

Gary Roemer

Remote Camera Sampling to Evaluate Occupancy and Intraguild Predation in Desert Carnivores

Quinn Robinson

How Far Have We Come: Radio Telemetry and GPS Technology for Mid-Sized Forest-Dependent Mammals

Katie M. Moriarty; Ryan M. Nielson; Aaron N. Facka; Sean M. Matthews; Christopher O. Kochanny

Techniques for Studying Reproduction and Associated Habitat Use in Mesocarnivores: Examples from Field Studies of Fisher and Other Members of the *Martes* Complex

Rebecca E. Green; Michael J. Joyce; Sean M. Matthews; Kathryn L. Purcell; Mark Higley; Andrzej Zalewski

Panacea or Pandora's Box: Building the Foundational Health Knowledge for a Rare Species, the Pacific Fisher

Mourad W. Gabriel

Conservation Genetics of an Uncommon Mesocarnivore, the Eastern Spotted Skunk

Alexandra A. Shaffer; J. Clint Perkins; Robert C. Dowler; Loren K. Ammerman

Culturally-Based Wildlife Conservation on Native American Lands: A Challenge of Scale and Governance

Sean Matthews; Mark Higley; Jodi Hilty

Crowd-Sourcing, Citizen Scientists, and Collecting Novel Data: The Search for the Eastern Spotted Skunk

J. Clint Perkins; Alexandra A. Shaffer; Nick W. Sharp; D. Blake Sasse; Robert C. Dowler

Designing Mesocarnivore Projects to Maximize their Scientific and Conservation Value: Lessons Learned from a Fisher Reintroduction

Aaron Facka; Roger A. Powell

Integrating Monitoring, Research and Management to Improve Conservation of Mammalian Mesocarnivores

David Jachowski

Session 98: Mexican Wolf Conservation: Two Decades of Reintroduction and the Future of Recovery

Mexican Wolf Recovery

Sherry Barrett; Tracy Melbiness; Maggie Dwire; John Oakleaf

Survival and Dispersal Rates of Mexican Wolves

John Oakleaf

The Critical Role of the Mexican Wolf Species Survival Plan Facilities: A Binational Collaborative Effort

Pamela Maciel

Livestock Depredation By Mexican Wolves and Non-Lethal Mitigation Techniques

David L. Bergman; Alan May; Stewart W. Breck

Livestock Management, Calving Season, and Conflict Avoidance with Wolves on the X Diamond Ranch

Wink Crigler

Genetic Management and Setting Recovery Goals for Mexican Wolves in the Wild

Larisa E. Harding; Jim Heffelfinger; David Paetkau; Esther Rubin; Jeff Dolphin; Anis Aoude

Cross-Fostering: A Novel Tool for Mexican Wolf Recovery

Julia B. Smith

Mexican Wolf Reintroduction Efforts in Northern Mexico

Carlos A. Lopez Gonzalez; Nalleli E. Lara Diaz; Cristian Aguilar Miguel; Carmen Garcia Chavez; Socorro Vera Ramirez

Mexican Wolf Habitat Suitability Analysis in the Southwestern United States and Mexico

Enrique Martínez-Meyer; Alejandro Gonzalez-Bernal; James Heffelfinger; Julian A. Velasco; Tyson L. Swetnam; Zaira Yaneth Gonzalez-Saucedo; Jorge Ignacio Servin; Carlos Alberto Lopez-Gonzalez; Nalleli Elvira Lara-Diaz; Cristian Aguilar-Miguel; Carmen Chave

Perils of Recovering the Mexican Wolf Outside of Its Historical Range

Eric A. Odell; James R. Heffelfinger; Steven S. Rosenstock; Chad Bishop; Stewart Liley; Alejandro Gonzalez-Bernal; Julian A. Velasco; Enrique Martinez-Meyer

Session 99: Mobile Apps in Conservation Science

The Utilization of Cybertracker for Resource Management in Texas

Jason A. Estrella

21st Century Wildlife Management: Data Collection Using Mobile Applications

Bronson Strickland; Steve Demarais; Jason Price

Mobile Apps in the Classroom: Preparing the Next Generation

Ken Boykin

Using Citizen Science to Guide Management and Public Engagement

Sam Kieschnick

An App for Mapping Invasive Plants By Citizen Scientists in Texas

Hans Landel

Cybertracker and Survey123: Pros and Cons for Use in White-Tailed Deer Distance Sampling

Cristy Burch

Interagency Field Data Collection Using Collector for ArcGIS

Julie Mikolajczyk

Birding By Day, Batting By Night: Two Mobile Apps from Wildlife Acoustics Help Citizen Scientists and Nature Enthusiasts Identify and Learn About Local Bird and Bat Species

Sherwood Snyder

Digital Technology and the Modern Conservation Professional: Are We Bleeding the Soul and More of Natural History Study?

Dave Holdermann

Session 18: Navigating the Path to Professional Success

Selecting the Right Applicant: Critical Examination of Resumes and Applications

Merav Ben-David

Climbing the Career Ladder Starting from Below the Bottom Rung

Colleen Olfenbuttel

Making and Working Connections to Open Doors

Nova Silvy

Making and Working Connections to Open Doors

Nova Silvy

TBA

Quentin R. Hays

Involvement in Professional Societies - Being More Than a Member

Susan Ellis-Felege

TWS Student Chapter Involvement - Your First Stop on the Road to Success

TWS Student Chapter of the Year

Session 19: Recent Applications of Multi-State Models to Capture-Recapture and Occupancy Studies

Joint Estimation of Habitat Dynamics and Species Interactions
Courtney Davis

Multi-State Models Applied to Species Interactions to Inform Endangered Species Management
Charles Yackulic

Detailed Dynamics: Using Multi-State Responses for Greater Specificity on Species Interaction Dynamics
Jay E. Jones; Andrew J. Kroll

The Multistate Model as an Omnibus Framework for Robust Inference from Mark-Recapture Studies
William Kendall

Estimating Nest Density and Productivity of Grassland Birds with Multi-State Capture-Recapture Models
Adrian P. Monroe; Richard B. Chandler; Loren W. Burger; James A. Martin

The Use of Multi-State Models to Explore Relationships between Changes in Body Condition, Habitat, and Survival of Grizzly Bears
John Boulanger; Gord Stenhouse; Marc Cattet

Multi-State Models Demonstrate Hoary Marmots Are Not Biennial Breeders
Vijay Patil

The Use of Multi-State Models with State Uncertainty to Estimate Survival and Movement Probabilities of Florida Manatees
Catherine A. Langtimm; William L. Kendall

Overview of Multi-State Models in Occupancy Estimation
Larissa L. Bailey

Identifying Drivers of Local Extinction in an Amphibian-Pathogen System Using Multi-Species Occupancy Models
Brittany Mosher; Larissa L. Bailey; Erin Muths; Kathryn P. Huyvaert

Session 20: Structured Decision Making: A Vehicle for Navigating the Crossroads of Cultures in Wildlife Management

Road Management for a Declining Species: Integrating Multiple Objectives Through Structured Decision Making
Brian A. Crawford; John C. Maerz; Nik Heynen; Terry M. Norton; Clinton T. Moore

Bridging the Research-Management Gap: Effective Conservation Decisions for Flatwoods Salamanders through Adaptive Management
Katherine M. O'Donnell; Susan C. Walls

Applied Conservation Decision Making in Dynamic Environments: A Case Study in Puerto Rico
Krishna Pacifici

Whose Objectives Are These Anyway? - The Perils of Navigating the Cultural Crossroads Without First Looking in All Directions
Graham Long

We Have Been Talking Past Each Other: an Analysis of Decision Framings for Endangered Species Classification
Jonathan W. Cummings; Sarah J. Converse; David R. Smith; Steve Morey; Michael C. Runge

Integration of Social and Ecological Sciences for Natural Resource Decision Making: Challenges and Opportunities
Angela K. Fuller; Kelly F. Robinson; Richard Stedman; William Seamer

Organizational Decision Quality: Building a Culture of Structured Decision Making Within Federal Agencies and Their Partners

Michael C. Runge

Balancing Risk and Reward in Coastal Impoundment Management

Rachel Katz

Confronting Global Change in a Cultural Context

Jessica Mikels-Carrasco; Fred A. Johnson; Mitchell J. Eaton

Session 76: The Role of Research and Adaptive Management in Creating Effective Wildlife Mitigation along Roads

Arizona Wildlife and Transportation Program at Arizona Game and Fish Department: 15 Years in the Making

Scott C. Sprague; Jeffrey W. Gagnon; Chad D. Loberger; Kari S. Ogren; Susan L. Boe

Growth of a Wildlife-Vehicle Collision Mitigation Program - the Pathway for New Mexico Department of Transportation

James Hirsch; Trent Botkin

Wildlife and Roads in the Lonestar State

Stirling Robertson; Robin Gelston

Collaboration and Research on SH 9 as a New Paradigm for Doing Business in Colorado

Michelle Cowardin

Partnerships, Collaboration, and Research Drive Wildlife and Roads Program in Utah

Daniel Olsen; Ashley Green; Patricia Cramer

Helping Carnivores and Ungulates Across Idaho Roads Through Data Collection, Planning, and Research

Gregg Servheen

Research Drives Designs of Crossing Structures to Move Mule Deer and Pronghorn Across Highways in Wyoming

Thomas Hart; Scott Gamo

Nevada: the Fast Track of Wildlife Road Mitigation and Research in Only a Few Years

Nova Simpson

Arizona Success Stories of Developing Wildlife Crossing Structures and Other Mitigation Based on Research of Elk, Mule Deer, Pronghorn Antelope, and Desert Bighorn

Jeffrey W. Gagnon; Scott C. Sprague; Chad D. Loberger; Kari S. Ogren; Susan L. Boe

The Importance of Data Collection, Collaboration, and Research in Building a Statewide Wildlife and Transportation Program

Patricia C. Cramer

Session 21: Tribal Wildlife Management and Conservation in the Southwest I

Welcome and Introduction to Wildlife Management on Tribal Lands in the Southwest

John E. Antonio, Sr

Natural Resources Youth Practicum

Norman Jojola

Water for Wildlife in an Arid Landscape

Timothy Smith

Wildlife Conservation on the Pueblo of Santa Ana, Sandoval County, New Mexico

Glenn Harper

Conservation Law Enforcement: Impacts of Illegal Marijuana Cultivation on Wildlife Management Activities on the San Carlos Apache Reservation

Tim Stevens

The Reintroduction of a Culturally and Economically Important Species

Taos Wildlife Biologist Taos Wildlife Biologist

Conducting Natural Resources Research from a Native Cultural Perspective

Gregory Cajete

Philosophies of Science and the Conceptualization of Traditional Ecological Knowledge through an Indigenous Lens in Wildlife Research

Seafha Ramos

Conservation through Empowerment

Russ Benford

Session 46: Tribal Wildlife Management and Conservation in the Southwest II

Mule Deer Management and Conservation: Jicarilla Apache Nation, New Mexico

Kyle J. Tator

Economic Development of Big Game Hunting Programs

Sam Diswood

Eagle Aviary - Pueblo of Zuni

Nelson Luna

Development of Tribal Threatened and Endangered Species Program

Samuel Diswood

New Mexico Meadow Jumping Mouse on the Southern Ute Indian Reservation in Southwestern Colorado

Aran S. Johnson; Jennifer L. Zahratka

Wild Horse and Burro Issues on Tribal Lands

Brian Gewecke

Generational Teachings Passed Down in a Changing World

Scott Aikin

Statement of Relationships: Building Partnerships with Tribes

Daniel Juan

Tribal Wildlife Management at Isleta Pueblo

Shauna Bally

Session 100: Wetlands, Water, & Wildlife: Finding Common Ground among Diverse Stakeholders

It's the Water: A Plea for Integrating Wildlife and Water-Resource Conservation Planning

Adam Janke; Sammy King; Adonia Henry

Minnesota's New Riparian Buffer Law

Jason Garms

LCC Mississippi Basin / Gulf Hypoxia Planning Tool - Precision Conservation Blueprint V15

Kristin Shaw; Kelley Myers; Gwen White; Bill Bartush; Michael Schwartz

Aligning Actions for Water Quality, Wildlife Habitat, and People in the Chesapeake Watershed

Jennifer A. Greiner; Christina Ryder

Draining the Swamp: Water and the Future of Floodplain Forests of the Southeastern United States

Sammy King; Richard F. Keim

It All Goes Downstream: Effects of Altered Riverine Flow on an Estuarine Foundation Species

Megan La Peyre

Wetlands in the Middle Rio Grande, NM: Historic Processes, Perturbations and Fixes

Paul L. Tasjhan

Central Valley California Duck Clubs, Water Districts, and Rice: Opportunities to Enhance Wildlife Habitats

Frederic Arthur Reid; Mark Petrie; Catherine Hickey; John M. Eadie

The Klamath Basin Walking Wetlands: Utilizing Wetlands as a Functional Agricultural Tool

Dustin Taylor

Using Migratory Waterbirds as a Model for Linking Regional Water Issues

Bruce Dugger; Megan Zarzycki

Session 47: Wild Horses and Burros: Interactions with Wildlife, Habitats, and Land

Managers

Wild Horses and Burrow Act (1971); Public Land Multiple Use, Adn Management Challenges

Alan Shepherd

Feral Horse Research and Management in the Northern Great Basin

Gail H. Collins

Synecology of Free-Roaming Horses: Multi-Scale Relationships with Mammals, Reptiles, Plants, and Soils of Sagebrush Habitats

Erik Beaver

A Native American Perspective on Wild Horse-Wildlife Interaction

Sam Diswood

Influences of Feral Horses on Native Wildlife in the Great Basin

Brock R. McMillan; Lucas K. Hall; Robert N. Knight; Randy T. Larsen

Wild Horses, Livestock, and Wildlife Use of Springs in Northeastern California

Laura K. Snell; Roger A. Baldwin; David F. Lile

The Influence of Feral Burros and Other Factors on Desert Tortoise Presence in the Western Sonoran Desert

Kristin Berry; Lisa M. Lyren; Tracy Y. Bailey; Julie L. Yee

Well Digging by Wild Burros Increases Water Availability, Local Wildlife Abundance, and Creates Riparian Germination Nurseries in the Sonoran Desert

Erick Lundgren

In Support of Wildlife Professionals: Advocating Science-Based Management of Horses and Burros

Keith A. Norris

Session 41: Wildfire and Spotted Owls: It's a Burning Issue

The Effects of Wildfire on Spotted Owls: The Elements of an Emerging Conservation Conflict

Ralph J. Gutierrez; Gavin M. Jones; M. Zachariah Peery

Federal Wildland Fire Policy & Management

Bryan Rice

Management of Spotted Owls and Their Habitat in the Western United States

Shaula Hedwall

Native American Perspectives on Fire Effects on Spotted Owls

Dee Randall; Serra Jeanette Hoagland

Using Fire as a Management Tool in Southwestern Forests

Tessa Nicolet

Beyond 'Megafires': the Role of Fire Complexity and Spatial Patterns of Severe Fire on Spotted Owls

Gavin Jones; R. J. Gutiérrez; Nicole F. Pietrunti; M. Z. Peery

California Spotted Owl Habitat Use Patterns in a Burned Landscape

Stephanie A. Eyes; Susan L. Roberts; Matthew D. Johnson

California Spotted Owl-Wildfire Associations at Territory, Landscape and Bioregional Scales in the Sierra Nevada, California

John J. Keane; Rahel Sollmann; Ross A. Gerrard; Claire V. Gallagher; Paula A. Shaklee; Thomas E. Munton; James Baldwin

Reconciling Forestchange and Contemporary Fire Patterns with Owl Habitat Requirements Inhistorically Frequent-Fire Forests

Brandon Collins

Are Mixed-Severity Fires a Threat to California Spotted Owls?

Dominick A. DellaSala; Monica Bond; Derek Lee; Chad Hanson

Northern Spotted Owls and Wildfire in the Klamath Province of Northern California: Linkages between Fire Regimes and Habitat Quality

Alan B. Franklin; Jeremy T. Rockweit; Peter C. Carlson

Interactions between Mixed Severity Wildfire and Forest Types Used by Northern Spotted Owls

Damon B. Lesmeister; David M. Bell; Raymond J. Davis; Matthew J. Gregory; Jody C. Vogeler

Higher Fire Severity Drives Reduced Mexican Spotted Owl Occupancy and Reproduction on the Rodeo-Chediski Fire, Arizona

Michael A. Lommler; Joseph L. Ganey; Paul Beier; Jamie S. Sanderlin; Samuel A. Cushman

The Role of Fire in Spotted Owl Biology: A Synthesis of the Current State of Knowledge

William M. Block; Kevin McKelvey

Session 48: Wildlife are Individuals, Too: Considering Inter-Individual Variation to Inform Management

Wildlife Are Individuals Too: Considering Inter-Individual Variation to Inform Management

Melissa J. Merrick; John Koprowski

Specialization in Foraging Strategies of Coyotes

Seth D. Newsome; Erich M. Muntz; Evan C. Wilson; Stanley D. Gehrt

Considering Individual Variation in Resource Selection among Elk: Implications for Research and Management Practice

Kyle Redilla; Trenton M. Smith; Barbara Keller; Joshua J. Millsaugh; Robert A. Montgomery

There's Only One Way to Chase Tail? Relationships between Mate Availability and Breeding Behavior in Male White-Tailed Deer

Tara Gancos Crawford; Bradley S. Cohen; Thomas J. Prebyl; Taylor N. Simoneaux; Michael J. Chamberlain; Karl V. Miller

Individual Variation in Urban Coyote Habitat Selection, Diet, and Movement and Implications for Conflict Mitigation

Maureen H. Murray; Colleen C. St. Clair

Influence of Conspecifics on Individual Behavior: Group Decision-Making in a Fusion-Fission Society

Jerod A. Merkle; Marie Sigaud; Daniel Fortin

The Influence of Fear and Hunger on Individual-Based Decision-Making Across a Landscape of Fear

Michael Sheriff; Catherine E. Pritchard

The Fat and Furious: Consequences of Risk-Sensitive Allocation of Resources in Long-Lived Herbivores

Kevin L. Monteith

Individual Behavior Differences Are Important Predictors of Natal Dispersal Distance in an Endangered Small Mammal

Melissa J. Merrick; John L. Koprowski

Proactive use of reactive behaviour could enhance coexistence with wildlife

Colleen Cassady St. Clair