

Colorado and Wyoming Chapters of The Wildlife Society

Joint Conference - March 4th - 7th

Fort Collins, CO

Detailed Agenda*

*Please note this schedule is not finalized. The final schedule will be available in the conference program.

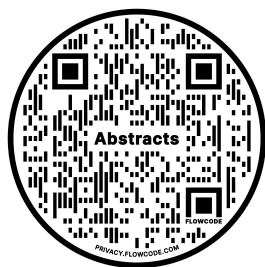
BOARD MEMBERS: Please send Brittany any edits you make to this schedule from now on (2/12) because I have added this to the program.

7:00 - 8:00 Tues, 4th	Welcome and Registration Table Open (pick up your name badge anytime) <i>Location: Atrium</i>
8:00 - 5:00 Tues, 4th	Workshop: The state of the CO-WY Beaverscape: Connecting on Cross-state Insights, Knowledge Gaps, and Pathways Forward <i>Location: Legends</i>
8:00 - 5:00 Tues, 4th	Workshop: Snow Field Measurements for Wildlife Research <i>Location: Salon 1</i>
8:00 - 5:00 Tues, 4th	Workshop: Environmental DNA for Wildlife Professionals <i>Location: Natural Resources</i>
8:00 - 5:00 Tues, 4th	Workshop: Beginner Distance Sampling: Abundance Estimation in R <i>Location: Vet Medicine</i>
8:00 - 5:00 Tues, 4th	Workshop: Harnessing North American Bat Monitoring Program Data for Analysis and Reporting <i>Location: Salon 5</i>
8:00 - 5:00 Tues, 4th	Workshop: Applying Open-Source Computer Vision Models to Camera Trap Images <i>Location: Salon 4</i>
8:00 - 12:00 Tues, 4th	Workshop: Integrated Monitoring in Bird Conservation Regions - Avian Point Count Workshop <i>Location: Green & Gold</i>
9:00 - 12:00 Tues, 4th	Workshop: Discussion of State Wildlife Action Plan <i>Location: Salon 6</i>
9:15 - 1:30	Field Trip: National Black-Footed Ferret Conservation Center

Tues, 4th	<i>Location: Atrium / Entrance</i>
12:00 - 1:00 Tues, 4th	Welcome and Registration Table Open (pick up your name badge anytime) <i>Location: Atrium</i>
1:00 - 5:00 Tues, 4th	Workshop: The Rocky Mountain Avian Data Center 2.0: Connecting Natural Resource Stakeholders with IMBCR Breeding Bird Monitoring Data <i>Location: Green & Gold</i>
1:00 - 5:00 Tues, 4th	Wyoming Golden Eagle Working Group Meeting <i>Location: Research</i>
4:00 - 5:45 Tues, 4th	Poster Session Set-up <i>Location: Salons 2 and 3</i>
4:00 - 6:00 Tues, 4th	Welcome and Registration Table Open <i>Location: Atrium</i>
6:00 - 9:00 Tues, 4th	Poster Session and Evening Social (Heavy apps and sliders provided; cash bar) <i>Location: Salons 2 and 3</i>

Wednesday, March 5th

Presenting authors are marked in **bold** and students are marked with an asterisk*
Please find a list of full abstracts [here](#):



SPEAKERS: Please upload your slides between 7 and 8am the day of your presentation in your respective room.

7:00 - 4:00 Wed, 5th	Welcome and Registration Table Open (pick up your name badge anytime) <i>Location: Atrium</i>
8:00 - 8:15 Wed, 5th	Welcome and Opening Remarks <i>Location: Salons 1 and 2</i>

8:15 - 10:15 Wed, 5th	Climate Justice Symposium Gemara Gifford and CMarie Fuhrman <i>Location: Salons 1 and 2</i>		
10:15 - 10:45 Wed, 5th	Coffee Break (light refreshments provided)		
10:45 - 12:30 Wed, 5th	Fire and Ice I <i>Location: Salon 1</i>	Human Dimensions <i>Location: Salon 4</i>	Carnivore Ecology <i>Location: Legends</i>
10:45 - 12:30 Wed, 5th	Fire and Ice I - Salon 1 Moderator: Brittany Wagler		
10:45 - 11:00 Wed, 5th Fire and Ice I <i>Salon 1</i>	Does Modeled Snow Data For Wildlife Applications Represent Reality? Reinking , Adele K.*, Glen E. Liston, Katherine B. Gura, Stine Højlund Pedersen, Kelly Elder, Banning Star, Dan McGrath, and George Wittemyer		
11:00 - 11:15 Wed, 5th Fire and Ice I <i>Salon 1</i>	Investigating The Role Of Wildfire Smoke On Oxidative Stress In Different Diet Guilds Of Migratory Birds In Southern Colorado Miller , Megan* and Claire Varian-Ramos		
11:15 - 11:30 Wed, 5th Fire and Ice I <i>Salon 1</i>	A Temperate Ungulate Alters Spatial Behavior After A Wildfire Of Mixed-Burn Severity Ortega , Anna C., Benjamin L. Wise, Dean Clause, Troy Fieseler, Jill E. Randall, Brandon M. Scurlock, Luke Wilde, Kevin L. Monteith, and Matthew J. Kauffman		
11:30 - 11:45 Wed, 5th Fire and Ice I <i>Salon 1</i>	Extreme Weather Impacts Ground Squirrel Reproductive Phenology; Fire And Ice, And Rain, And Snow Rainey , Travis A.*, Caitlin P. Wells, and Dirk Van Vuren		
11:45 - 12:00 Wed, 5th Fire and Ice I <i>Salon 1</i>	Seasonal Somatic Reserves Of A Northern Ungulate Influenced By Reproduction And A Fire-Mediated Landscape Thompson , Daniel P., Nicholas L. Fowler, John A. Crouse, Thomas J. McDonough, Oriana H. Badajos, Miles O. Spathelf, Dominique E. Watts, and Susanne U. Rodman		
12:00 - 12:15 Wed, 5th Fire and Ice I <i>Salon 1</i>	Predicting Summer Habitat For The Alpine-Endemic White-Tailed Ptarmigan In Colorado		

	Parker , Nicholas J.*, Amy E. Seglund, Gregory T. Wann, Meghan L. Mahoney, Sara J. Oyler-McCance, and Cameron L. Aldridge
12:15 - 12:30 Wed, 5th Fire and Ice I <i>Salon 1</i>	Water Resource Management On National Wildlife Refuges In A Changing Climate Wilkening , Jennifer L., Rachel A. Esralew, and Benjamin F. Newman
10:45 - 12:30 Wed, 5th	Human Dimensions - Salon 4 Moderator: Eric Bergman
10:45 - 11:00 Wed, 5th Human Dim. <i>Salon 4</i>	Initial Insights From Colorado's Wolf Monitoring Program Cassidy , Brenna, Eric Odell, Ellen Brandell, Benjamin Wasserstein
11:00 - 11:15 Wed, 5th Human Dim. <i>Salon 4</i>	Colorado Rancher Perspectives On Nonlethal Livestock Protection Approaches Brager , Jenna*, Veronica Yovovich, and Mireille (Ray) Gonzalez
11:15 - 11:30 Wed, 5th Human Dim. <i>Salon 4</i>	Research-Based Practices For Effective Stakeholder Engagement: The Case Of Wolf Reintroduction In Colorado Gonzalez , Mireille, Rebecca Niemiec, and Michael Quartuch
11:30 - 11:45 Wed, 5th Human Dim. <i>Salon 4</i>	Social, Political, Biological, And Logistical Challenges And Opportunities For Wolf Restoration To Colorado Odell, Eric, Reid DeWalt, Brian Dreher, David Klute , Brenna Cassidy, Adam Baca, and Ellen Brandell
11:45 - 11:12 Wed, 5th Human Dim. <i>Salon 4</i>	Lead-Free Collaborations And Outreach Efforts In Colorado Bedrosian , Brian, Kristin Cannon, Aaron Kindle, and Leland Brown
12:00 - 12:15 Wed, 5th Human Dim. <i>Salon 4</i>	A Social-Ecological Systems Approach To Understanding Recreation-Wildlife Interactions In Utah's Wildlife Management Areas Arthur , Lane J*, Anna B. Miller, and Austin M. Green
12:15 - 12:30 Wed, 5th Human Dim. <i>Salon 4</i>	N/A
10:45 - 12:30 Wed, 5th	Carnivore Ecology - Legends Moderator: Libby Mojica

10:45 - 11:00 Wed, 5th Carnivore Eco. <i>Legends</i>	Spatiotemporal Responses Of Bobcat Behavior To Contrasting Winter Severity Sawa , Erin*, Shane Frank, and Joseph Holbrook		
11:00 - 11:15 Wed, 5th Carnivore Eco. <i>Legends</i>	Heading West: Ecology Of Swift Fox In A Novel Landscape Beyond Their Range Smith , Austin B., Ashley G. Wolf, Kelsie R. Buxbaum, Leah H. Yandow, Christopher C. Keefe, Heather L. O'Brien, Neal C. Swayze, and Joseph D. Holbrook		
11:15 - 11:30 Wed, 5th Carnivore Eco. <i>Legends</i>	Home On The Range: Space Use And Habitat Selection Of Swift Fox Across A Shrubland Gradient Buxbaum , Kelsie*, Austin B. Smith, Leah Yandow, Chris Keefe, Heather O'Brien, Neal C. Swayze, and Joseph D. Holbrook		
11:30 - 11:45 Wed, 5th Carnivore Eco. <i>Legends</i>	Radio-Marked Individuals Reveal Chronology, Movements, And Activity Patterns Of Grizzly Bears Using Moth Aggregation Sites In The Greater Yellowstone Ecosystem Clapp , Justin G., Mark A. Haroldson, Justin A. Dellinger, Daniel D. Bjornlie, Daniel J. Thompson, and Frank T. van Manen		
11:45 - 12:00 Wed, 5th Carnivore Eco. <i>Legends</i>	Using Generalized Spatial-Mark-Resight To Estimate Density And Distribution Of Gray Wolves Meyer , Connor*, Jesse Whittington, and Mark Hebblewhite		
12:00 - 12:15 Wed, 5th Carnivore Eco. <i>Legends</i>	N/A		
12:15 - 12:30 Wed, 5th Carnivore Eco. <i>Legends</i>	N/A		
12:30 - 2:00 Wed, 5th	Student Professional Mixer (Previous sign-up required; lunch provided) <i>Location: Salons 1 and 2</i> Or Lunch on Your Own		
2:00 - 3:30	Fire and Ice II	Aquatics and Herps I	Bat Conservation

Wed, 5th	<i>Location: Salon 1</i>	<i>Location: Salon 4</i>	<i>Location: Legends</i>
2:00 - 3:30 Wed, 5th	Fire and Ice II - Salon 1 Moderator: Joe Holbrook		
2:00 - 2:15 Wed, 5th Fire and Ice II <i>Salon 1</i>	Using Lidar To Predict Suitable Canada Lynx Habitat In The Southern Rocky Mountains Byerly , Shelby N., and Paige E. Copenhaver-Parry		
2:15 - 2:30 Wed, 5th Fire and Ice II <i>Salon 1</i>	Projecting Habitat Occupancy And Population Stage Structure In A Climate-Sensitive Species Using Markov Chain Analysis Baronofsky , Van* and Chris Ray		
2:30 - 2:45 Wed, 5th Fire and Ice II <i>Salon 1</i>	Backcountry Recreation And Carnivore Behavior: Extending And Testing The Assessment Mismatch Hypothesis With Wolverine Holbrook , Joe, Kimberly Heinemeyer, Julia O'Keefe, Mark Hebblewhite, Jeff Copeland, and John Squires		
2:45 - 3:00 Wed, 5th Fire and Ice II <i>Salon 1</i>	Activating Volunteers For Long-Term Ecological Monitoring Of A Climate Indicator Species Mondin , Haley, Kinsey Greve, Julie Krajewski, Megan Mueller, Airy Gonzalez Peralta, and Chris Ray		
3:00 - 3:15 Wed, 5th Fire and Ice II <i>Salon 1</i>	Habitat Mapping And Current Status Of Canada Lynx In Colorado Ivan , Jake, John Squires, Lucretia Olson, Peter McDonald, Joe Holbrook, Rebecca Boyce, Brent Frankland, Heather Halbritter, Joe Halseth, Morgan Hertel, Brian Holmes, Bryan Lamont, Julie Mao, Libbie Miller, Dan Neubaum, Eric Odell, Evan Phillips, Ed Schmal, Nate Seward, Brad Weinmeister, and Ty Woodward		
3:15 - 3:30 Wed, 5th Fire and Ice II <i>Salon 1</i>	Update On Wolverine Restoration Plan And Process Inman , Bob, Jake Ivan, and Eric Bergman		
2:00 - 3:30 Wed, 5th	Aquatics and Herps I - Salon 4 Moderator: Emily Shertzer		
2:00 - 2:15 Wed, 5th Aq. & Herps 1 <i>Salon 4</i>	Life History Traits Influence Method-Specific Detection Of Native And Invasive Amphibians In Colorado Davis , Waverly*, Larissa Bailey, and Boyd Wright		
2:15 - 2:30 Wed, 5th	Wyoming Herpetological Society		

Aq. & Herps 1 <i>Salon 4</i>	Lee , Mason, Wendy Estes-Zumpf, Katrina Cook, Charlotte Snoberger, and Matt Rasmusse
2:30 - 2:45 Wed, 5th Aq. & Herps 1 <i>Salon 4</i>	Effects Of Infection Status And Diel Period On The Microhabitat Preferences Of A Declining Amphibian Breiner , Margot E. *, Annika W. Walters, Gabriel M. Barrile, and Anna D. Chalfoun
2:45 - 3:00 Wed, 5th Aq. & Herps 1 <i>Salon 4</i>	A Hidden Threat: Carp's Direct Impact On Native Freshwater Mussels Poratti , Samantha*, Lusha Tronstad, and Brianna Freeman
3:00 - 3:15 Wed, 5th Aq. & Herps 1 <i>Salon 4</i>	Assessment Of The Conservation Status Of Native Western Pearlshell Mussels In Grand Teton National Park Hollander , Alexis H. *, and Lusha M. Tronstad
3:15 - 3:30 Wed, 5th Aq. & Herps 1 <i>Salon 4</i>	Effect Of Maternal Attendance Of Neonates In Prairie Rattlesnakes And Other Insights From A Seven-Month Model Study Goetz , Scott M., Cole J. Boback, Hayley L. Crowell, W. Douglas Robinson, and Scott M. Boback
2:00 - 3:30 Wed, 5th	Bat Conservation - Legends Moderator: Riley Bernard
2:00 - 2:15 Wed, 5th Bat Conserv. <i>Legends</i>	Investigating Dietary Composition Of Bats Utilizing Bridges As Roosts In Wyoming Bernard , Riley Fehr, Joshua Franklin Layfield, Logan William Detweiler, and Joel Sorensen
2:15 - 2:30 Wed, 5th Bat Conserv. <i>Legends</i>	Investigating Dietary Change During The Establishment Of WNS – A Case For Ecological Release? Lile , Renee E. *, Ian Abernethy, and Riley F. Bernard
2:30 - 2:45 Wed, 5th Bat Conserv. <i>Legends</i>	Estimating Parturition From Pit Tag Detections For <i>Myotis lucifugus</i> In Colorado Gaulke , Sarah*, Robert Schorr, Jeremy Siemers, Brian Reichert, and Bill Kendall
2:45 - 3:00 Wed, 5th Bat Conserv. <i>Legends</i>	Methods Of Recording Acoustic Voucher Calls From Hand-Released Bats Leever , Jonathan R. *, Riley F. Bernard, and Ellen Whittle

3:00 - 3:15 Wed, 5th Bat Conserv. <i>Legends</i>	Ongoing Population Monitoring And Wns Intervention For Endangered Northern Long-Eared Bats In Wyoming Whittle , Ellen, and Ian Abernethy		
3:15 - 3:30 Wed, 5th Bat Conserv. <i>Legends</i>	Candid Cave Cam: Revealing Bat Behavior For Proactive Conservation Yearout , Julia A.* , and Riley F. Bernard		
3:30 - 4:00 Wed, 5th	Coffee Break (light refreshments provided)		
4:00 - 5:45 Wed, 5th	Conservation and Management <i>Location: Salon 1</i>	Aquatics and Herps II <i>Location: Salon 4</i>	Pollinators <i>Location: Legends</i>
4:00 - 5:45 Wed, 5th	Conservation and Management - Salon 1 Moderator: Tana Verzuh		
4:00 - 4:15 Wed, 5th Consrv. & Mngmt. <i>Salon 1</i>	Co-Developing A Prioritization Tool To Guide Sagebrush Management For Wildlife Conservation In Northwest Colorado Tarbox , Bryan C., Nick Van Lanen, Adrian P. Monroe, Trevor Balzer, and Cameron L. Aldridge		
4:15 - 4:30 Wed, 5th Consrv. & Mngmt. <i>Salon 1</i>	Using Rates Of Change In Invasive Annual Grass Cover To Inform Future-Durable Invasive Species Management Actions Across The Sagebrush Biome Roche , Morgan D., Michele R. Crist, Catherine S. Jarnevich, Helen R. Sofaer ^e , Cameron L. Aldridge, Lindy Garner, Seth Flanigan, Megan McLachlan, and Julie A. Heinrichs		
4:30 - 4:45 Wed, 5th Consrv. & Mngmt. <i>Salon 1</i>	Oil And Gas Reclamation And Mitigation In The Sagebrush Ecosystem: What We Learned From Over A Decade Of Field Work In The Powder River Basin, Wyoming Fedy , Brad C., and Christopher P. Kirol		
4:45 - 5:00 Wed, 5th Consrv. & Mngmt. <i>Salon 1</i>	Managing Black-Tailed Prairie Dogs Using Gonacon Contraceptive Vaccine: Past And Present Field Efficacy Studies Shiels , Aaron, Nathan Beard, Matthew Berta, John Callon, Seth Cook, Nathan Freihaut, Emma Hanslowe, Stacie Robinson, Danika Spock, and Jason Bruemmer		
5:00 - 5:15 Wed, 5th Consrv. & Mngmt.	Human Expansion Mediates Anteater Distribution In The Colombian Llanos		

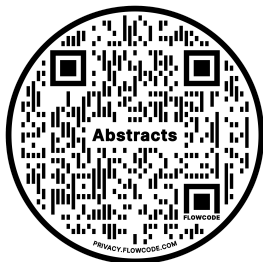
Salon 1	Purdy , Cole*, Mathew Hyde, Angélica Diaz-Pulido, Érika Humanez López, and Cesar Rojano
5:15 - 5:30 Wed, 5th Consv. & Mngmt. Salon 1	Raptors Perched On Power Poles Respond Similarly To Traditional And High-Visibility Uncrewed Aircraft Systems Dwyer , James F., Harri Sedam, and John Mullin
4:00 - 5:45 Wed, 5th	Aquatics And Herps II - Salon 4 Moderator: Austin Smith
4:00 - 4:15 Wed, 5th Aq. & Herps II Salon 4	Do Beaver Dam Analogs (BDAs) Reproduce The Biodiversity And Ecosystem Quality Services Provided By Beavers? Baldwin , Alyssa*, Courtney Larson, and Melanie Murphy
4:15 - 4:30 Wed, 5th Aq. & Herps II Salon 4	Ecosystem Engineers For Hire: What Drives Amphibian Occupancy In Beaver-Mediated Wetlands? Davis , Kathryn E. C.*, and Melanie A. Murphy
4:30 - 4:45 Wed, 5th Aq. & Herps II Salon 4	Enhancing Habitat Resilience In Post-Fire Watersheds Using Low-Tech Process-Based Restoration Heiden , Chelsey, and Hally Strevey
4:45 - 5:00 Wed, 5th Aq. & Herps II Salon 4	Detecting Semi-Aquatic Mammals Using eDNA Metabarcoding Mangan , Anna M., Derek Whipkey, Guillaume Bastille-Rousseau, Charlotte Narr, Jonathon Walls, Scott Beckerman, and Antoinette J. Piaggio
5:00 - 5:15 Wed, 5th Aq. & Herps II Salon 4	Comparison Of eDNA Metabarcoding And Conventional Sampling In Freshwater Lotic Systems Anderson , Ellyse, Ryan Friebertshauser, Antoinette Piaggio, and Ryan Fitzpatrick
5:15 - 5:30 Wed, 5th Aq. & Herps II Salon 4	Habitat Restoration And Population Augmentation Advances Species Recovery For The Critically Endangered Wyoming Toad Murphy , Melanie
4:00 - 5:45 Wed, 5th	Pollinators - Legends Moderator: Lusha Tronstad
4:00 - 4:15	Multi-Scale Habitat Associations With Wyoming Butterflies

Wed, 5th Pollinators <i>Legends</i>	Cook , Katrina A.*, Bryan P. Tronstad, and Lusha M. Tronstad
4:15 - 4:30 Wed, 5th Pollinators <i>Legends</i>	Preliminary Results From Bumblebee Surveys And Pathogen Screenings Across Wyoming Storey , A.M.*, L.M. Tronstad, and L. van Diepen
4:30 - 4:45 Wed, 5th Pollinators <i>Legends</i>	Refining Methods To Collect Bees In Wyoming: Height, Distance And Duration Of Sampling With Pan Traps And Vane Traps Tronstad , Lusha M., Bryan Tronstad, and Christine Bell
4:45 - 5:00 Wed, 5th Pollinators <i>Legends</i>	Pollinators And Public Participation In The Planning Process: Using Monarch Butterflies As Indicator Species To Inform Management Decisions Whipple , Sarah , Emma Dietrich, Sarah Carter, Zachary Ormsby, and Benjamin Hoke
5:00 - 5:15 Wed, 5th Pollinators <i>Legends</i>	Insect Pollinators Alter Flower-Handling Time And Other Behaviors Based On Proximity To Wind Turbines Weschler , Michelle, Brenna Martin, and Lusha Tronstad
5:15 - 5:30 Wed, 5th Pollinators <i>Legends</i>	Balancing Pollinator Conservation With The Management Of Invasive Plants In The Northern Great Plains Crawford , Nina*, and Lusha Tronstad
6:00 - 7:30 Wed, 5th	Out in the Field Mixer (off-site, pre-registration required) Or Dinner on your own

Thursday, March 6th

Presenting authors are marked in **bold** and students are marked with an asterisk*

Please find a list of full abstracts [here](#):



SPEAKERS: Please upload your slides between 7 and 8am the day of your presentation in your respective room.

7:00 - 11:00 Thurs, 6th	Welcome and Registration Table Open (pick up your name badge anytime) <i>Location: Atrium</i>		
8:00 - 8:05 Thurs, 6th	Welcoming Remarks and Announcements <i>Location: Salons 1 and 2</i>		
8:05 - 10:00 Thurs, 6th	Climate Change Plenary and Panel Discussion Drs. Scott Denning and Quentin Hays Additional panelists: Dr. Angela Boag, Thomas Kamienski, and Misti Sporer Moderator: Nifer Wikenning <i>Location: Salons 1 and 2</i>		
10:00 - 10:30 Thurs, 6th	Coffee Break (light refreshments provided)		
10:30 - 12:30 Thurs, 6th	Avian Conservation I <i>Location: Salon 1</i>	Ungulate Ecology I <i>Location: Salon 4</i>	Disease I <i>Location: Legends</i>
10:30 - 10:30 Thurs, 6th	Avian Conservation I - Salon 1 Moderator: Alex Kumar		
10:30 - 10:45 Thurs, 6th Avian Conserv. <i>Salon 1</i>	Human Mobility Contributions To Negative Recreation Impacts Suggest Management Strategies For Bird Conservation On Colorado Public Lands Latif , Quresh, Liza Rossi, Mathew McLaren, Jennifer Timmer, Melissa Dressen, Christopher Keefe, Mark Ditmer, Heather Abernathy, and Rob Sparks		
10:45 - 11:00 Thurs, 6th Avian Conserv. <i>Salon 1</i>	Using Interannual Occupancy And Photogrammetry To Examine Habitat Preferences In Sagebrush-Obligate Songbirds Schoenborn , Erik*, and Anna D. Chalfoun		
11:00 - 11:15 Thurs, 6th Avian Conserv. <i>Salon 1</i>	Avian Distribution And Composition Relationships With Bark Beetle Infestation In The Powderhorn Wilderness, CO Myers , Arrow*, Patrick Magee, and Kathy Brodhead		

11:15 - 11:30 Thurs, 6th Avain Conserv. <i>Salon I</i>	Investigating Environmental Drivers Of Sagebrush Obligate Bird Density In The Gunnison Basin: A Spatiotemporal Analysis Of Habitat Park , Caleb*, Patrick Magee, Madelon van de Kerk, and Kathy Brodhead
11:30 - 11:45 Thurs, 6th Avain Conserv. <i>Salon I</i>	Non-Breeding Movement Strategies Of Sagebrush-Associated Songbirds Shertzer , Emily*, and Anna Chalfoun
11:45 - 12:00 Thurs, 6th Avain Conserv. <i>Salon I</i>	Annual Grass Invasion Is Transforming The Sagebrush Biome's Songbird Communities Hobart , Brendan K., Wynne E. Moss, Maxwell C. Cook, R. Chelsea Nagy, and Valerie J. McKenzie
12:00 - 12:15 Thurs, 6th Avain Conserv. <i>Salon I</i>	Negative Effects Of Sagebrush Removal Treatments On Nontarget Birds And Small Mammals Sauer , Katherine J., Zachary P. Wallace, and Jason D. Carlisle
12:15 - 12:30 Thurs, 6th Avain Conserv. <i>Salon I</i>	Effects Of Noise From Oil And Gas Development On Raptors And Songbirds: A Science Synthesis For Land Managers Rutherford , Tait K., Sarah K. Carter, Aaron N. Johnston, Nathan J. Kleist, Richard J. Lehrter, Elisabeth C. Teige, John C. Tull, and David J.A. Wood
10:30 - 12:30 Thurs, 6th	Ungulate Ecology I - Salon 4 Moderator: Embere Hall
10:30 - 10:45 Thurs, 6th Ungulate Eco. 1 <i>Salon 4</i>	Apex Predator V. 'Super Predator': Large Carnivore Feeding Is Resilient To Human Disturbance Clapp , Justin G.*, Justin Binfet, Cade B. Bowlin, and Joseph D. Holbrook
10:45 - 11:00 Thurs, 6th Ungulate Eco. 1 <i>Salon 4</i>	Dynamics Of Human-Ungulate Interactions In A High-Visitation Alpine Area Nageotte, Nichole L., Julie Krajewski , Kate D. Wilkins, Shelby E. McDonald, Jessica Quinton, L. Stefan Ekernas
11:00 - 11:15 Thurs, 6th Ungulate Eco. 1 <i>Salon 4</i>	Evaluating The Influence Of Wind Energy On Pronghorn Movement And Distribution Wallace , Cody*, Hall Sawyer, L. Embere Hall, Teal Cufaude, Lee Knox, Martin Hicks, Heather O'Brien, Rob Shipe, Brandon Werner, and Matthew J. Kauffman
11:15 - 11:30 Thurs, 6th	Drivers Of Multispecies Collective Movements In Yellowstone Ungulates

Ungulate Eco. 1 <i>Salon 4</i>	Caldwell , Molly R.*, Chris Geremia, Daniel Stahler, Daniel MacNulty, Douglas Smith, and Jerod A. Merkle
11:30 - 11:45 Thurs, 6th Ungulate Eco. 1 <i>Salon 4</i>	Exploration By Mule Deer During Migration Cowell , Ashley*, and Jerod Merkle
11:45 - 12:00 Thurs, 6th Ungulate Eco. 1 <i>Salon 4</i>	Risks To The Intermountain West Of Invasive Feral Swine Introduction Smyser , Timothy J., and Antoinette J. Piaggio
12:00 - 12:15 Thurs, 6th Ungulate Eco. 1 <i>Salon 4</i>	Live Plants In Restoration: Use Cases And Improving Efficacy Jensen , Scott, Tom Glass, and Robby Edgel
12:15 - 12:30 Thurs, 6th Ungulate Eco. 1 <i>Salon 4</i>	N/A
10:30 - 12:30 Thurs, 6th	Disease I - Legends Moderator: Gabe Barrille
10:30 - 10:45 Thurs, 6th Disease I <i>Legends</i>	Modeling Transmission Risk Of Chronic Wasting Disease In Mule Deer Related To Habitat Characteristics In Wyoming Christensen , Erica M., Nathan J. Kleist, David R. Edmunds, Julie A. Heinrichs, D. Joanne Saher, Ashley L. Whipple, Sydney Watkins, Melia DeVivo, Cameron L. Aldridge
10:45 - 11:00 Thurs, 6th Disease I <i>Legends</i>	Comparison Of Techniques And Tissues Used For Diagnostics Of Chronic Wasting Disease In Rocky Mountain Elk (<i>Cervus canadensis nelsoni</i>) Grider , John F., William H. Edwards, Jennifer L. Malmberg, Karen A. Griffin, Terry Sprake, and Mary E. Wood
11:00 - 11:15 Thurs, 6th Disease I <i>Legends</i>	Evaluation Of Composting CWD-Positive Rocky Mountain Elk (<i>Cervus canadensis nelsoni</i>) By Detection Of PrpCWD In Composted Environmental Samples Using Real-Time Quaking-Induced Conversion (Rt-Quic) Hashem , Brie, Stuart S. Lichtenberg, Samantha E. Allen, Robert Michitsch, Daniel Pinneo, Eric Newkirk, and Peach Van Wick
11:15 - 11:30 Thurs, 6th Disease I <i>Legends</i>	An Individual-Based Modeling Framework For 'Gaming' Strategies To Manage Chronic Wasting Disease In Wyoming Mule Deer

	Heinrichs , Julie A., Sydney Watkins, D. Joanne Saher, David Edmunds, Ashley L. Whipple, Nathan J. Kleist, Erica M. Christensen, and Cameron L. Aldridge		
11:30 - 11:45 Thurs, 6th Disease I <i>Legends</i>	Prevalence Of Avian Influenza Virus In Atypical Wild Bird Host Groups During An Outbreak Of Highly Pathogenic Strain EA/AM H5N1 Ringenberg, Jourdan M., Kelsey Weir* , Lee Humberg, Carl Voglewede, Mitch Oswald, Jeffrey Root, Krista Dilione, Evan Casey, Michael Milleson, Timothy Linder, and Julianna Lenocho		
11:45 - 12:00 Thurs, 6th Disease I <i>Legends</i>	Breeding Season Habitat Use, Cooccurrence, And Behavior In A Multi-Host Cervid Community Windell , Becca*, Sydney Simpson, Scott Fesmire, Jenn Malmberg, Larissa Bailey, Todd Nordeen, Georgia Titcomb		
12:00 - 12:15 Thurs, 6th Disease I <i>Legends</i>	N/A		
12:30 - 2:00 Thurs, 6th	CC-TWS Business Meeting (previous signup required; lunch provided) <i>Location: Salon 2</i>		
12:30 - 2:00 Thurs, 6th	WY-TWS Business Meeting (previous signup required; lunch provided) <i>Location: Salon 3</i> Or Lunch on Your Own		
2:00 - 3:30 Thurs, 6th	Sage-grouse Ecology <i>Location: Salon 1</i>	Ungulate Ecology II <i>Location: Salon 4</i>	Disease II <i>Location: Legends</i>
2:00 - 3:30 Thurs, 6th	Sage-grouse Ecology - Salon 1 Moderator: Kathy Griffin		
2:00 - 2:15 Thurs, 6th Sage-grouse <i>Salon 1</i>	Longitudinal Investigation Into The Mechanisms Leading To Lower Fitness Rates Of Greater Sage-Grouse In An Anthropogenic Landscape Kirol , Christopher P., and Bradley C. Fedy		
2:15 - 2:30 Thurs, 6th Sage-grouse <i>Salon 1</i>	Varying Spatial Scales Of Effect For Sagebrush Cover Across The Greater Sage-Grouse Range, And Implications For Management Monroe , Adrian P., Michael S. O'Donnell, Julie A. Heinrichs, Luke O. Frishkoff, Gregory T. Wann, Matthew B. Rigge, Erin K. Buchholtz, Ashley L. Whipple, Brian G. Prochazka, Peter S. Coates, and Cameron L. Aldridge		
2:30 - 2:45 Thurs, 6th	Range-Wide Environment-Associated Adaptive Divergence And		

Sage-grouse <i>Salon 1</i>	Conservation Of The Greater Sage-Grouse Zimmerman , Shawna J., Cameron L. Aldridge, Jennifer A. Fike, and Sara J. Oyler-McCance
2:45 - 3:00 Thurs, 6th Sage-grouse <i>Salon 1</i>	Addressing Uncertainty In Daily Lek Attendance And Inter-Lek Movement Of Male Greater Sage-Grouse Ruzicka , Rebekah E., Brett L. Walker, and William L. Kendall
3:00 - 3:15 Thurs, 6th Sage-grouse <i>Salon 1</i>	Testing Conventional And Controversial Habitat Treatments To Offset Impacts Of Energy Development On Greater Sage-Grouse In Western Colorado Walker , Brett L., Kelli A. Stone, Trevor Balzer, and Kelli A. Pauling
3:15 - 3:30 Thurs, 6th Sage-grouse <i>Salon 1</i>	N/A
2:00 - 3:30 Thurs, 6th	Ungulate Ecology II - Salon 4 Moderator: Jerod Merkle
2:00 - 2:15 Thurs, 6th Ungulate Eco. II <i>Salon 4</i>	An Assessment Of Solar-Powered GPS Ear Tags On Ungulates Olson , Lucas O., Jerod Merkle, Peach Van Wick, Brie Hashem, Samantha E. Allen, Eric Newkirk, and Embere Hall
2:15 - 2:30 Thurs, 6th Ungulate Eco. II <i>Salon 4</i>	Older And Wiser? Evidence Of Behavioral Compensation For Reproductive Senescence Levine , Rebecca L., Tayler N. LaSharr, Rebekah T. Rafferty, Brittany L. Wagler, Rachel A. Smiley, Rhiannon P. Jakopak, Jill Randall, Troy Fiesler, Brandon Scurlock, and Kevin L. Monteith
2:30 - 2:45 Thurs, 6th Ungulate Eco. II <i>Salon 4</i>	A Case Study Evaluating Strategic Management Of Invasive Annual Grasses To Benefit Mule Deer Smith , Kurt, Brian Mealor, Hall Sawyer, and Jerod Merkle
2:45 - 3:00 Thurs, 6th Ungulate Eco. II <i>Salon 4</i>	Ranking Climate And Habitat Suitability Effects On Mule Deer Population Age-Ratios In Wyoming, USA Graves , Tabitha A., William M. Janousek, Aaron Johnston, Embere Hall, Sarah Bullock, Kevin Monteith, and Matthew Kauffman
3:00 - 3:15 Thurs, 6th Ungulate Eco. II <i>Salon 4</i>	How Animals Discover Habitat And Refine Their Movements To Restricted Areas: Evidence From Reintroduced Bison

	Verzuh Tana L, Karsten Heuer, Cody F. Wallace, and Jerod A. Merkle		
3:15 - 3:30 Thurs, 6th Ungulate Eco. II <i>Salon 4</i>	Counting Elk: Estimating The Abundance Of A Gregarious Ungulate Carlisle , Jason D., Eric S. Newkirk, and L. Embere Hall		
2:00 - 3:30 Thurs, 6th	Disease II - Legends Moderator: Matthew Hopken		
2:00 - 2:15 Thurs, 6th Disease II <i>Legends</i>	A Nationwide Surveillance Program For Monitoring Highly Pathogenic Avian Influenza In Wild Migratory Birds Dilione , Krista E., Jourdan Ringenberg, Michael Milleson, Scott Stopak, Kelsey Weir, and Sarah N. Bevins		
2:15 - 2:30 Thurs, 6th Disease II <i>Legends</i>	Detections Of Rabbit Hemorrhagic Disease Virus 2 (RHDV2) Following The 2020 Outbreak In Wild Lagomorphs Across The Western United States Ringenberg , Jourdan, Kelsey Weir, Timothy Linder, and Julianna Lenocho		
2:30 - 2:45 Thurs, 6th Disease II <i>Legends</i>	Long-term carriage of <i>Mycoplasma ovipneumoniae</i> in bighorn sheep and implications for test and remove protocols Wagler , Brittany L., Rachel A. Smiley, Jack N. Gavin, Tony W. Mong, Corey Class, Alyson B. Courtemanch, Cheyenne Stewart, Daryl Lutz, Zach Gregory, Patrick Hnilicka, Aurthur Lawson, Brandon M. Scurlock, Jessica E. Jennings, Jennifer L. Malmberg, and Kevin L. Monteith		
2:45 - 3:00 Thurs, 6th Disease II <i>Legends</i>	Diagnostic Sensitivity Of Alternative Samples And Tissues For Lyssavirus Rabies Detection In Striped Skunks (<i>Mephitis mephitis</i>) Mankowski , Clara P., Matthew W. Hopken, Terry Spraker, and Amy T. Gilbert		
3:00 - 3:15 Thurs, 6th Disease II <i>Legends</i>	Contrasting Patterns Of Raccoon (<i>Procyon lotor</i>) Spatial Population Genomics Throughout A Rabies Management Area In Eastern North America Hopken , Matthew W., Clara P. Mankowski, Christine Thurber, Antoinette J. Piaggio, Kathleen M. Nelson, Richard B. Chipman, Zaid Abdo, Tore Buchanan, Ariane Massé, and Amy T. Gilbert		
3:15 - 3:30 Thurs, 6th Disease II <i>Legends</i>	N/A		
3:30 - 4:00 Thurs, 6th	Coffee Break (light refreshments provided)		
4:00 - 5:45 Thurs, 6th	Avian Conservation II	Movement in a Human Dominated Landscape	Private Lands Symposium and

	<i>Location: Salon 1</i>	<i>Location: Salon 4</i>	Discussion <i>Location: Legends</i>
4:00 - 5:45 Thurs, 6th	Avian Conservation II - Salon 1 Moderator: Brett Walker		
4:00 - 4:15 Thurs, 6th Avian Conserv. II <i>Salon I</i>	Leveraging Motus Expansion In The Western U.S. To Track Declining Grassland Birds Across The Full Annual Cycle Reese , Jessie, Matt Webb, Kylie Lamoree, Nick Haddad, Chris Latimer, and Brandt Ryder		
4:15 - 4:30 Thurs, 6th Avian Conserv. II <i>Salon I</i>	Black Swift Annual Cycle Tracking Sparks , Robert A., Eric Gross, Colin Woolley, and Greg J. Levandoski		
4:30 - 4:45 Thurs, 6th Avian Conserv. II <i>Salon I</i>	Energy Availability For Sandhill Cranes During Spring And Autumn Migration In The San Luis Valley, Colorado Vanausdall , Rachel A., and William L. Kendall		
4:45 - 5:00 Thurs, 6th Avian Conserv. II <i>Salon I</i>	Establishing Baseline Hematological Values For Wild North American Raptors Turner , Hilary A., Connor Hartnett, Salene Freeman, Megan Warren, Sheena Pate, and Bryan Bedrosian		
5:00 - 5:15 Thurs, 6th Avian Conserv. II <i>Salon I</i>	Restoration Of Cormorant Nesting On An Urban Lake Mansour , Isabel, Rob Beane, Moneka Worah, and Ian Brokaw-Schillinger		
4:00 - 5:30 Thurs, 6th	Movement in A Human Dominated Landscape - Salon 4 Moderator: Ben Robb		
4:00 - 4:15 Thurs, 6th Movement <i>Salon 4</i>	Ungulate Personality And The Human Shield Contribute To Long-Distance Migration Loss Cotterill , Gavin G., Paul C. Cross, Eric K. Cole, Sarah R. Dewey, Benjamin L. Wise, Tabitha A. Graves		
4:15 - 4:30 Thurs, 6th Movement <i>Salon 4</i>	Prioritizing Fence Modifications And Assessing Outcomes Related To Big Game Movement Robb , Benjamin S., Kurt T. Smith, Troy F. Fieseler, Jill Randal, Hall Sawyer, Matthew J. Kauffman, and Jerod A. Merkle		
4:30 - 4:45 Thurs, 6th Movement <i>Salon 4</i>	Web Tools For Advancing Decision-Making In Wildlife Conservation And Management Shapiro , Jessie S., Benjamin S. Robb, Shannon E. Albeke, and Jerod A.		

	Merkle
4:45 - 5:00 Thurs, 6th Movement <i>Salon 4</i>	Simple Solutions To Increase Wildlife Movement Across Highways Dannahower , Heather, Richard Knight, and Heather Knight
5:00 - 5:15 Thurs, 6th Movement <i>Salon 4</i>	Golden Eagle Wintering Strategies In The Western United States Rouse , Adrian, Rob Domenech, Ellen Aikens, and Bryan Bedrosian
5:15 - 5:30 Thurs, 6th Movement <i>Salon 4</i>	N/A
4:00 - 5:30 Thurs, 6th	Private Lands Symposium and Discussion - Legends Moderator: Ray Aberle
4:00 - 4:15 Thurs, 6th Private Lands <i>Legends</i>	A Case for Private Lands Conservation Aberle , Ray, and Emily Chavez
4:15 - 4:30 Thurs, 6th Private Lands <i>Legends</i>	Improved Fire Conditions and Quality Wildlife Habitat, Private Landowners Can Have It All! Moffett , Zoe
4:30 - 4:45 Thurs, 6th Private Lands <i>Legends</i>	The Platte River Domino Effect Denton , John
4:45 - 5:00 Thurs, 6th Private Lands <i>Legends</i>	Neighbors on the River: The Conejos River Restoration Project Greenberg , Anna
5:00 - 5:15 Thurs, 6th Private Lands <i>Legends</i>	It Starts with a Cup of Coffee Mauk , Kelsey
5:15 - 5:30 Thurs, 6th Private Lands <i>Legends</i>	Panel Q/A with presenters

6:00 - 9:00 Thurs, 6th	Banquet and Awards (cash bar) <i>Location: Salons 1 and 2</i>
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Friday, March 7th

6:00 - 9:00 Fri, 7th	Field Trip: Birding the Fort Collins Area <i>Location: Atrium / Entrance</i>
9:15 - 1:30 Fri, 7th	Field Trip: National Black Footed Conservation Center <i>Location: Atrium / Entrance</i>