

2018 Joint Conference: Agenda Overview



MONDAY NOVEMBER 5TH

10:00 – 4:00	Wyoming Golden Eagle Working Group Meeting
4:00 – 6:00	WY-TWS Board Meeting

TUESDAY NOVEMBER 6TH

8:00 – 5:00	Workshop: Trapping Matters
12:30 – 4:30	Workshop: Ecological Sampling & Study Design
8:00 – 4:00	Workshop: Communicating Science & Management with the Media
5:00 – 6:00	Registration Opens
6:00 – 9:00	Poster Session & Social (includes cash bar and light finger foods)

WEDNESDAY NOVEMBER 7TH

7:30	Registration Opens
8:30	Conference Opens with Welcome
9:30 – 9:45	WY-TWS Awards
9:45 – 10:00	<i>Break</i>
10:00 – 12:00	“Movement and Migration of Fish and Wildlife” (Talks)
12:00 – 1:30	Mentor Lunch (free; registration required) OR Lunch on Your Own
1:30 – 3:00	Concurrent sessions: “Conservation and Research of Sensitive Species” “New Tricks: Methods, Models, & More” (Talks)
3:00 – 3:15	<i>Break</i>
3:15 – 4:30	“New Tricks” ... continued
4:30 – 4:45	Closing announcements and Awards
4:30 – 6:40	Wyoming Bat Working Group Meeting
5:00 – 6:30	Migration Viewer Tutorial (Wyoming Migration Initiative)
6:00 – 9:00	Beast Feast at Alice Hardie Stevens Center (603 E. Iverson Ave) ... Quiz Bowl starts at 7:45 pm

THURSDAY NOVEMBER 8TH

7:30	Registration Opens
8:15	Day 2: Welcome & Announcements
9:00 – 9:15	Awards
9:15 – 9:25	WY-TWS Committee Updates
9:25 – 9:45	Short Talks
9:45 – 10:00	<i>Break</i>
10:00 – 12:00	“Conservation and Research of Sensitive Species” (Talks)
12:00 – 1:30	Presidents & Members Lunch (free; registration required) OR Lunch On Your Own
1:30 – 2:45	“Costs of Creature Comforts: Wildlife and Development” (Talks)
2:45 – 3:00	<i>Break</i>
3:00 – 4:00	“Costs of Creature Comforts” ... continued
6:00 – 10:00	Banquet Dinner, Silent Auction, and Live Music by Elk Tongue!

Detailed Agenda



Photo by Mark Thohoff

TUESDAY, NOVEMBER 6th

8:00 – 5:00	Workshop: Trapping Matters
12:30 – 4:30	Workshop: Ecological Sampling & Study Design
8:00 – 4:00	Workshop: Communicating Science & Management with the Media
5:00 -6:00	Registration Opens
6:00 -9:00	POSTER SESSION & SOCIAL

WEDNESDAY, NOVEMBER 7th

8:30 -9:30	Welcome and Opening Remarks by WLCI and WY-TWS
9:30 -9:45	WY-TWS Awards
<i>Break</i>	
Movement and Migration of Fish and Wildlife	
10:00 -10:15	FORAGING STRATEGIES OF A GENERALIST PREDATOR: DO COYOTES ACTIVELY SEEK UNGULATE NEONATES DURING BIRTH PULSES? Katey Huggler* , Matthew M. Hayes, Daniel Thompson, Patrick Burke, Mark Zornes, Kevin L. Monteith
10:15 -10:30	HABITAT SELECTION OF SYMPATRIC LARGE UNGULATES: ASSESSING THE POTENTIAL FOR COMPETITION Matthew M. Hayes* , Patrick Burke, Mark Zornes, Kevin Spence, Kevin L. Monteith
10:30 -10:45	MIGRATION MAPPING ON THE WIND RIVER INDIAN RESERVATION Gregory Nickerson , Matt Kauffman, Pat Hnilicka, Art Lawson, Holly Copeland

10:45 -11:00	CONTINENTAL-LEVEL FORCING OF LARGE HERBIVORE MOVEMENTS BY RESOURCE PHENOLOGY Ellen O. Aikens* , Atle Mysterud, Jerod Merkle, Francesca Cagnacci, Inger Maren Rivrud, Mark Hebblewhite, Mark Hurley, Wibke Peters, Scott Bergen, Kevin Monteit, Matthew Kauffman	
11:00 -11:15	SEX-SPECIFIC MIGRATORY BEHAVIORS IN MULE DEER (ODOCOILEUS HEMIONUS) Patrick Rodgers* , Matthew J. Kauffman, Hall Sawyer, Tony W. Mong, Sam Stephens	
11:15 -11:30	ONE HERD, MANY MIGRATORY STRATEGIES: A TEST OF THE FITNESS-BALANCING HYPOTHESIS WITH MULE DEER Anna Ortega* , Hall Sawyer, Ellen Aikens, Jerod Merkle, Patrick Burke, Mark Zornes, Kevin Monteith, Matthew Kauffman	
11:30 -11:45	MIGRATORY PLASTICITY IS NOT UBIQUITOUS AMONG LARGE HERBIVORES Hall Sawyer , Jerod A. Merkle, Arthur D. Middleton, Samantha P. H. Dwinell, Kevin L. Monteith	
11:45 -12:00	IS SITE FIDELITY A MALADAPTIVE BEHAVIOR IN THE ANTHROPOCENE? Jerod A. Merkle , Briana Abrahms, Jonny B. Armstrong, Hall Sawyer, Daniel P. Costa, Anna D. Chalfoun	
12:00 -1:30	MENTOR LUNCH (free; registration required) or Lunch on Your Own	
Concurrent Sessions:	Conservation & Research of Sensitive Species	New Tricks: Methods, Models, & More
1:30 -1:45	ROOST SELECTION BY MALE NORTHERN LONG-EARED BATS (<i>Myotis septentrionalis</i>) IN PONDEROSA PINE FOREST Jesse Alston* , Ian Abernethy, Douglas Keinath, Jacob Goheen	A NEW MULTI-SCALED APPROACH FOR DESIGNING POPULATION MONITORING FRAMEWORKS USING GRAPH THEORY: A CASE STUDY OF GREATER SAGE-GROUSE Michael S. O'Donnell , David R. Edmunds, Cameron L. Aldridge, Julie A. Heinrichs, Peter S. Coates, Brian G. Prochazka, Steve E. Hanser
1:45 - 2:00	WHITE-NOSE SYNDROME SURVEILLANCE ACROSS NORTHERN GREAT PLAINS NATIONAL PARK UNITS Ian Abernethy	POPULATION TRENDS OF WYOMING GREATER SAGE-GROUSE ACROSS HIERARCHICAL POPULATION CLUSTERS David R. Edmunds , Cameron L. Aldridge, Michael S. O'Donnell, Adrian P. Monroe, Peter S. Coates, Brian S. Cade

2:00 -2:15	SPECIES DISTRIBUTION MODELS OF THE WESTERN BUMBLE BEE, BOMBUS OCCIDENTALIS, IN WYOMING Christine Bell* , Lusha Tronstad, Michael Dillon	THE IMPORTANCE OF REPEATED COUNTS WHEN ESTIMATING POPULATION TRENDS WITH DYNAMIC N-MIXTURE MODELS Adrian P. Monroe , Gregory T. Wann, Cameron L. Aldridge, Peter S. Coates
2:15 -2:30	ALPINE STONEFLIES OF THE TETON RANGE: THEIR HABITAT, DISTRIBUTION AND STATUS Lusha M. Tronstad , J. Joseph Giersch, Scott Hotaling, Debra S. Finn, Oliver J. Wilmot	TRONA INDUSTRY-SPONSORED CONSERVATION STRATEGIES – DEVELOPMENT OF A GREATER SAGE-GROUSE CONSERVATION TOOLBOX Nathan J Wojcik , Mac Fuller, Jon Kehmeier
2:30 -2:45	POPULATION GENOMICS OF GREAT GRAY OWLS ON THE RANGE EDGE Beth Mendelsohn* , Bryan Bedrosian, Sierra Love Stowell, Erick Gagne, Joshua Hull, Holly Ernest	MONITORING FOR A MANAGEMENT AND CONSERVATION AGENDA Jennifer Timmer , Nick Van Lanen
2:45 -3:00	ECOREGIONAL CONSERVATION STRATEGY FOR GOLDEN EAGLES IN THE WYOMING AND UINTA BASINS Zach Wallace , Brian Woodbridge, Geoffrey Bedrosian, Gary Williams	CONIFER MANAGEMENT IN CONTEXT: PRIORITIZING TREE REMOVAL FOR SAGEBRUSH AND WOODLAND OBLIGATES Jason D. Tack , Brady W. Allred, Kevin E. Doherty, Patrick J. Donnelly, Michael Falkowski, Jeremy Maestes, Jason Reinhart, Joseph T. Smith, Ronald Pritchert, David E. Naugle
Break		
New Tricks: Methods, Models, & More		
3:15 -3:30	EVALUATING RISKS ASSOCIATED WITH ANIMAL CAPTURE AND HANDLING Samantha Dwinell , Tayler N. LaSharr, Matthew M. Hayes, Katey S. Huggler, Hall Sawyer, Kevin L. Monteith	
3:30 -3:45	A COMPARISON OF METHODS FOR ESTIMATING DENSITY FROM LIVE CAPTURE AND TELEMETRY DATA Trevor Thorvaldson* , Jerod Merkle, Merav Ben-David	
3:45 -4:00	TESTING THE HABITAT HETEROGENEITY HYPOTHESIS: LINKING VARIATION OF WETLANDS IN TIME & SPACE TO SPECIES RICHNESS & ABUNDANCE USING EDNA Charlotte Gabrielsen, Melanie Murphy , Jeffrey Evans	
4:00 -4:15	A MACHINE LEARNING AND GEOSPATIAL APPROACH TO MODELING STREAMFLOW IN UNGAGED SMALL STREAMS IN THE WYOMING RANGE Ryan R. McShane* , Cheryl E. Miller	

4:15 -4:30	EFFICACY OF A SILICONE INTRAUTERINE DEVICE AS A HORSE CONTRACEPTIVE: A CAPTIVE BREEDING TRIAL C.C. Lyman, J.M. Baldrighi, M. Yanos, A.J. Kane, G.R. Holyoak, S.S. Germaine
4:30 -4:45	Closing announcements/WY-TWS awards
5:00 – 6:30	Migration Viewer Tutorial
6:00 – 9:00	Beast Feast QUIZ BOWL (starts at 7:45) at Alice Hardie Stevens Center

THURSDAY, NOVEMBER 8th

8:15 -9:00	Opening remarks
9:00 -9:15	WY-TWS Awards
9:15 -9:25	WY-TWS Committee Updates
Short Talks	
9:25 -9:30	COUNTING CHICKENS: THE UPS AND DOWNS OF 7 YEARS OF MONITORING THE RANGE-WIDE ABUNDANCE OF LESSER PRAIRIE-CHICKENS Jason D. Carlisle , Kristen Nasman, Diem Pham, Fawn E. Hornsby, Troy J. Rintz, Lyman L. McDonald, David C. Pavlacky Jr., Christian A. Hagen, Michael E. Houts, Roger Wolfe
9:30 -9:35	USING eDNA TO INVESTIGATE NATIVE FRESHWATER MUSSEL DISTRIBUTION IN EASTERN WYOMING Oliver Wilmot , Lusha Tronstad, Stephen Siddons, Beth Fitzpatrick, Melanie Murphy
9:35 -9:40	ALGORITHM-BASED COMPILATION OF SPECIES INFORMATION Daniel Wieferich , Steve Aulenbach, Sky Bristol
9:40 -9:45	UNDERSTANDING EFFECTS OF LAND USES CHANGES ON WATER QUALITY IN WLCI AREA Cheryl Eddy-Miller
Break	
Conservation of Sensitive Species (Continued)	
10:00 - 10:15	TEMPORAL CHANGES IN SNOW AND TUNDRA USE BY AN ALPINE-OBLIGATE PASSERINE Carl Brown* , Anna Chalfoun
10:15 - 10:30	WHETHER WEATHER MATTERS: UNDERSTANDING THE CUMULATIVE EFFECTS OF TEMPERATURE AND PRECIPITATION ON SAGEBRUSH SONGBIRD REPRODUCTION Embere Hall , Anna Chalfoun

10:30 - 10:45	TAMING THE TEMPERATURE: EVALUTATING THE EXTENT TO WHICH SAGEBRUSH SONGBIRDS CAN BUFFER MICROCLIMATE WITH NEST SITE SELECTION Tayler Scherr* , Anna Chalfoun
10:45 - 11:00	SAGEBRUSH SONGBIRD RESPONSES TO DENSITY AND PROXIMITY OF ENERGY DEVELOPMENT Anna Chalfoun, Lindsey Sanders , Michelle Gilbert, Matthew Hethcoat, Tracey Johnson, Tayler Scherr
11:00 - 11:15	ARE NATURAL GAS FIELDS FOR THE BIRDS? AN UPDATE ON WLCI SONGBIRD RESEARCH Anna Chalfoun , Matthew Hethcoat, Lindsey Sanders, Tayler Scherr
11:15 - 11:30	EVALUATING THE UMBRELLA-SPECIES CONCEPT AT FINE SPATIAL SCALES: AN EXAMPLE USING GREATER SAGE-GROUSE AND BREWER'S SPARROW. Natasha L. Barlow, Christopher P. Kirol* , Kevin E. Doherty, Bradley C. Fedy
11:30 - 11:45	HOW MANY PRAIRIE DOGS ARE TOO MANY? ONE BIRD'S PERSPECTIVE Courtney J. Duchardt* , Lauren C. Connell, David J. Augustine, Lauren M. Porensky, J. Derek Scasta, David W. Pellatz, Jeffrey L. Beck
11:45 - 12:00	COMPARING FORAGING STRATEGIES OF CARIBOU WITH DIFFERENT NUTRITIONAL DEMANDS Kristin Denryter , Rachel Cook, John Cook, Katherine Parker, Michael Gillingham
12:00 -1:30	PRESIDENTS & MEMBERS LUNCH (free; reg. required) or Lunch on Your Own
Costs of Creature Comforts: Wildlife and Development	
1:30 -1:45	ROADS AS BARRIERS TO UNGULATE MOVEMENTS: TRAFFIC & HIGHWAY PERMEABILITY Corinna Riginos , Elizabeth Fairbank, Chauncey Smith
1:45 -2:00	NOWHERE TO RUN: PRONGHORN AVOIDANCE TO DIFFERENT BARRIER TYPES Benjamin Robb* , Jerod Merkle, Jeffrey Beck, Matthew Kauffman
2:00 -2:15	ECOLOGICAL DISTURBANCES AT WIND FARMS IN WYOMING Aaron N. Johnston , Zachary H. Bowen, Tammy Fancher, Michael O'Donnell
2:15 -2:30	INVESTIGATING POTENTIAL EFFECTS OF WIND TURBINE COLOR ON ATTRACTING POLLINATING INSECTS Madison Crawford* , Delina Dority, Lusha Tronstad, Michael Dillon
2:30 -2:45	INVESTIGATING ECOLOGICAL EFFECTS OF WIND FARMS ON NATIVE BEE COMMUNITIES Delina Dority* , Lusha Tronstad, Michael Dillon
Break	

3:00 -3:15	GREATER SAGE-GROUSE RESPONSE TO BENTONITE MINING Aaron C. Pratt , Jeffrey L. Beck
3:15 -3:30	SIMULATING THE POTENTIAL CONSEQUENCES OF FUTURE DEVELOPMENT AND CLIMATE ON SAGE-GROUSE IN WYOMING Julie A. Heinrichs , Michael S. O'Donnell, Cameron L. Aldridge, Steven L. Garman, Collin G. Homer, Nathan H. Schumaker
3:30 -3:45	MECHANISMS UNDERLYING ECOLOGICAL RESPONSES TO SURFACE DISTURBANCE IN HEADWATER STREAMS Richard H. Walker* , Annika W. Walters
3:45 -4:00	EVALUATING THE RESILIENCY OF FISH POPULATIONS TO STOCHASTIC DISTURBANCES Annika Walters , Richard Walker, Samantha Alford
4:00 -4:05	Closing Announcements
<p>6:00 – 10:00 BANQUET AT THE UNIVERSITY OF WYOMING CONFERENCE CENTER</p> <p>Awards: Professional of the Year Citizen of the Year Roger Wilson Lifetime Achievement Best Student Oral Presentation Best Student Poster Presentation</p> <p>Music: Elk Tongue</p> <p>Silent Auction</p>	

WY-TWS AWARD DESCRIPTIONS:

- **Professional of the Year** | Recognizes a wildlife professional who best exemplifies values consistent with the TWS code of ethics and makes outstanding contributions to the wildlife profession in WY, in the given year. Contributions include excellence in research, management, public relations, and/or policy.
- **Citizen of the Year** | Recognizes an individual who does not have a 'wildlife' job but whose efforts directly benefit wildlife and/or associated habitats. Previous recipients range from science teachers to Governors.
- **Roger Wilson Lifetime Achievement** | Recognizes an outstanding wildlife professional that has tirelessly dedicated themselves throughout their career to promoting wildlife values, conservation, education, and advancing the science of wildlife management.