

Tentative Meeting Schedule as of January 30, 2020

Note: Names of presenters are provided below, full authorships will be included in the abstracts in the finalized online version.

Tuesday, March 24 th		
Morning 9:00-12:00	Workshops Building Data Collection Apps Using Survey123-John Wayne Room Mapping Wildlife Habitat With Drones-Colorado Room	See Website for Specific Details
11:00 AM	TWS Registration	
1:00 PM	Welcome to TWS Meeting Daniel Olson, UT TWS Chapter President	Red Cliffs Lodge Colorado Room
1:15 PM	Welcome to Moab Emily S. Niehaus, Mayor, Moab, Utah	
1:30 PM	Opening Remarks Mike Fowlks, Director Utah Division of Wildlife Resources	
1:45 PM	Invited Speaker Dr. Ryan Perkl, Senior Consultant and Project Manager, Esri	
2:45 PM	Break	
3:00 PM	Invited Speaker Terry Fisk, Chief of Natural Resources, Arches National Park; Moab, Utah	Red Cliffs Lodge Colorado Room
4:00 PM	Invited Speaker Google	
5:00 PM	Adjourn until evening events <i>Dinner on your own</i>	
7:00 PM	TWS Social <i>Light refreshments and appetizers</i>	Red Cliffs Lodge Colorado Room
7:30 PM	Utah TWS Quiz Bowl Adam Brewerton	
Wednesday, March 25 th		
7:30 AM	TWS Registration	
8:00 AM	Announcements and TWS Business Daniel Olson - Chapter President	Red Cliffs Lodge Colorado Room
Session Moderator: Nicki Frey (President-Elect – Nominee)		
8:15 AM	Potential for Post-fire Recovery of Greater Sage-grouse Habitat David Dahlgren	
8:30 AM	Topography and Sagebrush Contiguity Moderate the Importance of Tree Cover on Greater Sage-grouse Habitat Selection Aidan Beers	
8:45 AM	Measuring Height Characteristics of Sagebrush (<i>Artemisia</i> sp.) Using Imagery Derived From Small Unmanned Aerial Systems Ryan Howell	
9:00 AM	Translocating Broods: A Case Study for Sage-grouse David Dahlgren	

9:15 AM	Off-Highway Vehicle Recreation Use Effects on Greater Sage-grouse Habitat Fragmentation in the Sheeprock Mountains: A Case Study Melissa Chelak	
9:30 AM	Urban Moose Movement Strategies: Effectiveness of Using Remotely Sensed Data to Predict Migration Timing Lucian McDonald	
9:45 AM	UDOT Vision for Wildlife Crossings, Monitoring, and Partnerships Matt Howard	
10:00 AM	Monitoring of Tushar Paintbrush Populations and Alpine Habitat Use by Ungulates in the Tushar Mountains, Utah Heather Shipp	
10:15 AM	BREAK	
Session Moderator: Natasha Hadden (Secretary – Nominee)		Red Cliffs Lodge Colorado Room
10:30 AM	Finding Wide-ranging, Colonial Nesting Birds: Developing and Implementing Surveys for Pinyon Jays Scott Gibson	
10:45 AM	Use of RFID to Characterizing Differences in Migratory Departure Phenology of Lazuli Buntings Across an Elevational Gradient Kim Savides	
11:00 AM	Spatial and Temporal Patterns of Bird Habitat Use in an Urban Riparian Corridor Cooper Farr	
11:15 AM	Use of Camera Traps to Describe Eagle Behavioral Patterns at Roadkill in the Western United States Steve Slater	
11:30 AM	Use of SUAS and UAS Platforms to Cost Effectively Monitor Golden Eagle Nesting Samantha Phillips	
11:45 AM	Trends in Golden Eagle Reproduction, Prey Species Abundance, and Juvenile Survival in Relation to Climatic and Habitat Factors in UT Eric Chabot	
12:00 PM	LUNCH <i>On your own</i>	
Session Moderator: Emily Jensco (Secretary – Nominee)		Red Cliffs Lodge Colorado Room
1:30 PM	BYU TWS Chapter Update - TBD	
1:40 PM	Determining Timing of Births and Habitat Selection to Identify Nursery Habitat for Bighorn Sheep: Implications for Habitat Conservation Rusty Robinson	
1:55 PM	Hunting and Mountain Sheep: Do Current Harvest Practices Affect Horn Growth? Tayler LaSharr	

2:10 PM	Identifying Environmental and Demographic Drivers of Foray Behavior in Bighorn Sheep Lauren Ricci	
2:25 PM	Symptom Progression and Serological Dynamics Following Introduction of a Low-virulence <i>Mycoplasma Ovioneumoniae</i> Strain in a Desert Bighorn Herd Brianna Johnson	
2:40 PM	Using Motion-triggered Cameras to Monitor and Study Wildlife Space-use: Pitfalls and Potential Tal Avgar	
2:55 PM	USU TWS Chapter Update - TBD	
3:05 PM	BREAK	
Session Moderator: Chris Perkins (Webmaster – Nominee)		
3:20 PM	Where the Wild Things Are: Using Camera Traps in Wildlife Monitoring, Management, and Research Austin Green	
3:35 PM	Utah's Coyote Bounty Reporting App Xaela Walden	
3:50 PM	MOTUS Comes to Utah: Movement Tracking for Very Small Creatures Russell Norvell	
4:05 PM	Genetic Monitoring of Kit Foxes: Implications for Conservation in the Great Basin Desert Robert Lonsinger	
4:20 PM	Understanding Utah's Role in Monarch Habitat Management Amanda Barth	
4:35 PM	A Comparison of Predictive Performance of Two Species Distribution Model Approaches Umarfarooq Abdulwahab	
4:50 PM	Biotic Causes of Seedling Mortality for the Native Species, <i>Elymus Elymoides</i>, (Bottlebrush Squirreltail) (Raf.) Swezey in a Drill-seeded Rangeland Environment Jesse Morris	
5:05 PM	Adjourn for poster session & evening events	

POSTER SESSION		
5:05 PM	A Critical Evaluation of the Efficacy of Estimating Age of Mule Deer by Using Patterns in Tooth Wear Morgan Hinton	Red Cliffs Lodge
	A Horse, A Horse, A Sage-grouse Kingdom for a Horse! Mikiah Carver	
	Are Mule Deer Influenced by Other Ungulates When Selecting Birth-sites? Daniel W. Sallee	

Cougar Predation Behavior Across Environments and Seasons Kristin N. Engebretsen
Coyote Presence and Behavior Related to Species Richness and Diversity in the Uintah Basin Morgan Larsen
Dispersal of Male and Female Mule Deer: Is There a Difference? Tabitha A. Hughes
Golden Eagle (<i>Aquila chrysaetos</i>) Use of Water Features in the West Desert of Utah Danielle K. Finlayson
Habitat Fragmentation in the Wasatch Mountain Range: Understanding the Role of I-80 on Migratory Mammals and Community Composition Using Camera Traps Kelsey A. Barnick
Home Sweet Home? Parasite Loads of Ferruginous Hawks Nesting on Natural and Artificial Substrates Ellis Juhlin
Implementing the NRCS Sage-grouse Initiative in Utah Charles E. Holtz
Investigation of Microsite Characteristics and Behavioral Influences on Parasite Abundance in Nestling Golden Eagles Across Western Utah Dustin M. Maloney
Leporids as Indices of Eagle Productivity: Update on a Statewide Initiative Samantha E. Phillips
Monitoring Animal Entrapments at the Rozel Tar Seeps Mary Sanchez
Mule Deer Activity Schedules in Response to Variation in Hunting Pressure: A Pilot Study Debbie Clark
Observations on the Teeth of Utah's Oldest Known Black Bear at Her Death Hal L. Black
Species Distribution and Habitat Modeling: Developing an Analytical Workflow for Model Construction Joshua D. Carrell
Teaching a Computer How to Recognize Pelicans Emily LaBlond
Use of 24 Inch Focus Trail Cameras to Capture Small Mammals: Emphasis on Dark Kangaroo Mice Teresa Whitesell
White-tailed Prairie Dog Distribution Modeling in the Uintah Basin Cal W. DeBerard

6:30 PM	Awards Banquet (Food and Raffle and Awards Oh My!)	Red Cliffs Lodge
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Thursday, March 26th		
7:30 AM	TWS Registration	
8:00 AM	UT TWS Announcements Session Moderator: Julie Young (Even-Year Board Member – Nominee)	Red Cliffs Lodge Colorado Room
8:10 AM	The History of Elk Management in Utah and Consequences of Managing to An Age Objective Justin Shannon	
8:30 AM	Density-dependent Habitat Selection in Northern Yellowstone Elk Brian Smith	
8:45 AM	Direct and Indirect Maternal Effects on Mule Deer Fawns Sydney Lamb	
9:00 AM	Examining Fine-scale Variation in Mule Deer Population Density in Relation to Shifting Foraging Conditions Tatum Del Bosco	
9:15 AM	Mapping Institutional Knowledge of Mule Deer Migration Corridors and Potential Barriers in Utah Nicole Nielson	
9:30 AM	Spatial Interactions Between Elk and Hunters Randall McBride	
9:45 AM	<i>UT TWS Chapter Business Meeting</i> Dave Cook	
10:15 AM	BREAK	
Session Moderator: Josee Seamons (Even-Year Board Member – Nominee)		Red Cliffs Lodge Colorado Room
10:30 AM	First Line of Defense: Exploring Temporal Dynamics of Bacteria and Fungi in the Skin-Associated Microbiome of a Rocky Mountain Salamander Kenen Goodwin	
10:45 AM	Breeding Occupancy of Western Tiger Salamander in Utah Beaver Ponds Marshall Wolf	
11:00 AM	Movements, Fates, and Activity Patterns of Resident and Translocated Beavers at Desert Restoration Sites Emma Doden	
11:15 AM	Is Great Salt Lake Becoming the Last Refuge for Eared Grebes, Wilson’s Phalaropes, and Red-necked Phalaropes? Michael Conover	
11:30 AM	Nesting Success and Nest Site Selection by Duck Species at Freshwater Impoundments Surrounding Great Salt Lake, Utah Mark Bell	

11:45 PM	Four Decades of Change for the American White Pelican Breeding Colony on Gunnison Island, Utah John Neill	
12:00 PM	Survival and Migratory Connectivity of North American Pelican Metapopulations Across Time Aimee Van Tatenhove	
12:15 PM	Meeting Adjourned – See you Next Year!	