

WAFWA Sage and Columbian Sharp-tailed Grouse 33rd Workshop

Logan, Utah August 15-18, 2022

Preliminary Program – Subject to Revision

Monday August 15, 2022

8:00 – 5:00 PM RISCT and Tech Team Closed Meeting. (Invitation Only)

Tuesday August 16, 2022

8:00 AM – Noon Presentations – See below for details

Noon – 12:50 PM Lunch (Provided)

1:00 – 5:00 PM Presentations - See below for details

6:00 – 8:00 PM Poster session and Evening Social

Wednesday August 17, 2022

7:30 – 8:00 AM Field Trip – Load Buses at USU

8:00 AM – 5:00 PM Field Trip – Field Tour (Lunch provided)

5:00 PM – 7:30 PM Dinner and Awards at the American West Heritage Center.
Field trip busses will go to the Heritage and the return to USU
at the conclusion of the dinner and awards.

Thursday August 18, 2022

8:00 AM – Noon Presentations – See below for details

Noon – 12:50 PM Lunch (Provided)

1:00 – 5:10 PM Presentations - See below for details

5:10 PM Workshop Adjourned

	Time	Title	Presenter	Type
Session #1 Aug 16 8-10 AM Habitat Management, Policy and Restoration	8:00 AM	Welcome and Opening Remarks		
	8:30 AM	INCENTIVISING PRIVATE LAND CONSERVATION TO EXPAND GREATER SAGE-GROUSE HABITAT CONSERVATION AND RESTORATION	Emmy Tyrrell	Virtual
	8:50 AM	SAGEBRUSH CONSERVATION DESIGN: A STRATEGIC FRAMEWORK FOR CONSERVATION OF THE SAGEBRUSH BIOME	John C. Tull	In Person
	9:10 AM	DEVELOPMENT OF A GREATER SAGE-GROUSE CONSERVATION AREA IN SOUTH-CENTRAL WYOMING	Nathan J. Wojcik	In Person
	9:30 AM	INTEGRATED RANGELAND FIRE MANAGEMENT STRATEGY ACTIONABLE SCIENCE PLAN COMPLETION ASSESSMENT: SAGEBRUSH AND SAGE-GROUSE TOPIC	Mark A. Ricca	In Person
	9:50 AM	UNDERSTANDING ECOLOGICAL POTENTIAL AND RISK TO INFORM WILDLIFE AND HABITAT MANAGEMENT OF THE SAGEBRUSH BIOME: THE EFFICACY OF SOIL MOISTURE	Michael O'Donnell	In Person Lightning
	10:00 AM	Morning Break 10:00-10:20 AM		
	10:20 AM	THE EFFECTIVENESS OF HABITAT RESTORATION AND CONSERVATION ACTIONS ON GREATER SAGE-GROUSE POPULATION DYNAMICS WITHIN THE BI-STATE DISTINCT POPULATION SEGMENT	Peter S. Coates	In Person
	10:40 AM	INFLUENCE OF SOIL MOISTURE AVAILABILITY ON SAGEBRUSH RESTORATION ACROSS THE SAGE-GROUSE RANGE	Bryan Tarbox	In Person
	11:00 AM	AN OPTIMIZATION APPROACH TO BALANCE CONIFER REMOVAL TRADE-OFFS FOR SAGEBRUSH AND PINYON-JUNIPER SONGBIRDS	Nick Van Lanen	In Person
	11:20 AM	FEED A GROUSE CHICK, CUT A JUNIPER: IMPACTS OF JUNIPER REMOVAL ON HERBACEOUS VEGETATION AND INVERTEBRATE DIVERSITY	Kimberly A. Haab	Virtual
	11:40 AM	SAVE A GROUSE DON'T CUT A TREE, CUT LOTS OF TREES!	Christian A. Hagen	In Person
	10:00 AM	Lunch 12:00 PM-12:50 PM		

Session #2 Aug 16 12:50-2:20 PM Columbian Sharp-Tailed Grouse	Time	Title	Presenter	Type
	12:50 PM	Reconvene and Afternoon Introduction		
	1:00 PM	PRESCRIBED BURNING TO RESTORE AND ENHANCE SHARP-TAILED GROUSE HABITAT IN NORTHEASTERN BRITISH COLUMBIA	Alicia Woods	In Person
	1:20 PM	CURRENT STATUS AND DISTRIBUTION OF COLUMBIAN SHARP-TAILED GROUSE IN COLORADO – A PRODUCT OF RECENT NATURAL AND HUMAN-MEDIATED RANGE RECOLONIZATION	Brian E. Holmes	In Person
	1:40 PM	COLUMBIAN SHARP-TAILED GROUSE IN NORTHERN UTAH	Dave Dahlgren	In Person
	2:00 PM	SEARCHING FOR COLUMBIA SHARP-TAILED GROUSE LEKS USING A UAS EQUIPPED WITH THERMAL CAMERA; LESSONS LEARNED IN YEAR ONE	Michael Atamian	In Person Lightning
	2:10 PM	USING GENETIC SEQUENCING TO CHARACTERIZE DIET ACROSS SPACE AND TIME: APPLICATIONS IN COLUMBIAN SHARP-TAILED GROUSE (TYMPANUCHUS PHASIANELLUS COLUMBIANUS)	Stephanie Galla	Virtual Lightning
	2:20 PM	Afternoon Break 2:20-2:40 PM		

Session #3 Aug 16 2:40-5 PM Populations and Habitat Metrics	Time	Title	Presenter	Type
	2:40 PM	SAGE-GROUSE BROOD-REARING HABITAT WITHIN THE GREAT BASIN REGION OF NEVADA AND CALIFORNIA: OBSERVATIONS AND INFERENCE FROM MULTI-SCALE MODELING OF HABITAT SELECTION AND SURVIVAL	Brianne Brussee	Virtual
	3:00 PM	RELEVANT, SCALE-DEPENDENT RESPONSES TO SAGEBRUSH COVER BY SAGE-GROUSE POPULATIONS ACROSS THE RANGE	Adrian P. Monroe	In Person
	3:20 PM	DECISION SUPPORT SOFTWARE TO ASSESS RANGE-WIDE GREATER SAGE-GROUSE TRENDS THROUGH A HIERARCHICAL POPULATION MODELING FRAMEWORK	Cali Weise	In Person
	3:40 PM	SEASONAL HABITAT SELECTION ANALYSES FOR SAGE-GROUSE: A LITERATURE REVIEW	Ashley Whipple	In Person
	4:00 PM	USING REMOTE SENSING IN RANGELAND MANAGEMENT: TURNING AN ABUNDANCE OF SPATIAL DATA INTO ACTIONABLE INFORMATION	Megan K. Creutzburg	In Person
	4:20 PM	INTACT HABITAT FOR GREATER SAGE GROUSE INCLUDES BIOLOGICAL SOIL CRUSTS	Lea Condon	In Person
	4:40 PM	PATTERNS OF STRUCTURAL CONNECTIVITY IN THE SAGEBRUSH BIOME (1985-2018)	Erin Buchholtz	Virtual Lightning
	4:50 PM	OPTIMIZING CONSERVATION AND RESTORATION OF IMPERILED SAGEBRUSH ECOSYSTEMS TO BENEFIT MULTIPLE SPECIES	Jessica E. Shyvers	In Person Lightning
	5:00 PM	First Day Closing - Briefing on Poster Session and Tomorrow's Field Trip		

Session #4 Aug 18 8-10 AM Disturbance	Time	Title	Presenter	Type
	8:00 AM	Morning Welcome		
	8:10 AM	A SPATIAL SYNTHESIS OF FUEL BREAKS IN THE SAGEBRUSH BIOME IN RELATION TO WILDFIRE, INVASIVE ANNUAL GRASSES, AND GREATER SAGE-GROUSE	Morgan Roche	In Person
	8:30 AM	IMPACTS OF COMMUNICATION TOWERS ON GREATER SAGE-GROUSE POPULATION DEMOGRAPHICS	Sarah Webster	In Person
	8:50 AM	NON-NATIVE UNGULATES IMPACT GREATER SAGE-GROUSE LIFE HISTORY	Phillip Street	In Person
	9:10 AM	LINKING RESOURCE SELECTION TO POPULATION PERFORMANCE TO IDENTIFY SPECIES' HABITAT ACROSS BROAD SPATIAL SCALES: AN EXAMPLE OF GREATER SAGE-GROUSE IN A DISTINCT POPULATION SEGMENT	Megan Milligan	In Person
	9:30 AM	TIMESTAMPING ROADS AND OTHER ANTHROPOGENIC DISTURBANCES TO INFORM WILDLIFE STUDIES IN THE SAGEBRUSH BIOME	Benjamin S. Robb	In Person Lightning
	9:40 AM	BEYOND ROAD DENSITY: UNDERSTANDING HOW VEHICULAR TRAFFIC IMPACTS SAGE-GROUSE POPULATIONS IN WYOMING	Rich Inman	In Person
	10:00 AM	Morning Break 10:00-10:20 AM		

Session #5 Aug 18 10:20 AM-Noon Demographics	Time	Title	Presenter	Type
	10:20 AM	MULTI-SCALE ANALYSIS LINKING POPULATION TRENDS TO SURFACE DISTURBANCES FOR GREATER SAGE-GROUSE AND MULE DEER IN WYOMING	David R. Edmunds	In Person Lightning
	10:30 AM	REBUILDING SAGEBRUSH HABITAT: USING STATE-TRANSITION SIMULATIONS TO SCOPE POST-FIRE HABITAT RESTORATION FOR GREATER SAGE-GROUSE	Elizabeth Orning	In Person Lightning
	10:40 AM	RELATIONSHIP BETWEEN TRENDS IN FEMALE SURVIVAL RATES AND MALE SPRING LEK COUNTS OF GREATER SAGE-GROUSE IN SOUTH-CENTRAL WYOMING	Ann M. Widmer	In Person
	11:00 AM	ATYPICAL PRIMARY MOLT PATTERNS IN GREATER SAGE-GROUSE: IMPLICATIONS FOR AGE CLASSIFICATION	Michael A. Schroeder	In Person
	11:20 AM	LINKING RESOURCE SELECTION TO POPULATION PERFORMANCE TO IDENTIFY SPECIES' HABITAT ACROSS BROAD SPATIAL SCALES: AN EXAMPLE OF GREATER SAGE-GROUSE IN A DISTINCT POPULATION SEGMENT	Megan Milligan	Virtual
	11:40 AM	PRECIPITATION, DROUGHT, AND MESIC RESOURCES: DRIVERS OF SAGE-GROUSE PRODUCTIVITY IN THE GREAT BASIN	Carl Lundblad	In Person
	12:00 PM	Lunch 12:00 PM-12:50 PM		

	Time	Title	Presenter	Type
Session #6A Aug 18 10:20-11 AM Translocation	10:20 AM	Sage-Grouse Translocations – Lessons Learned	Dave Dahlgren	Short Talk
	10:30 AM	USING INTEGRATED POPULATION MODELS TO EVALUATE TRANSLOCATION METHODS: COSTS AND BENEFITS OF TRANSLOCATION ON AUGMENTED AND SOURCE POPULATIONS OF GREATER SAGE-GROUSE (CENTROCERCUS UROPHASIANUS)	Steven Mathews-Sanchez	Short Talk
	10:40 AM	EVALUATING HABITAT-RELATED AND ANTHROPOGENIC DRIVERS OF POST-RELEASE MOVEMENTS FOR TRANSLOCATED GREATER SAGE-GROUSE (CENTROCERCUS UROPHASIANUS) IN THE SHEEPROCK MOUNTAINS OF CENTRAL UTAH	Melissa S. Chelak	In Person
	11:00 AM	DEMOGRAPHIC RATES OF A DECLINING AND AUGMENTED POPULATION OF GREATER SAGE-GROUSE IN MODOC COUNTY CALIFORNIA, USA	Chelsea E. Sink	In Person
Session #6B Aug 18 11:20 AM-Noon Gunnison Sage-grouse	11:20 AM	VARYING INFLUENCE OF SAGEBRUSH HABITAT ON GUNNISON SAGE-GROUSE GENE FLOW	Shawna Zimmerman	In Person
	11:40 AM	THE ROLE OF EMERGING BIOTECHNOLGY IN SPECIES CONSERVATION: CAN BIOTECHNOLOGY HELP GUNNISON SAGE-GROUSE?	Sara Oyler-McCance	In Person
	12:00 PM	Lunch 12:00 PM-12:50 PM		

	Time	Title	Presenter	Type
Session #7A Aug 18 2:40-4 PM Populations and Habitat Metrics	2:40 PM	AVIAN PREDATOR OCCUPANCY AND DIET AT COMMUNICATION SITES IN SAGE-GROUSE HABITAT	Shawn Szabo	In Person
	3:00 PM	DYNAMIC SPATIAL MODELING OF COMMON RAVEN DENSITIES AND DECISION SUPPORT TOOLS TO MANAGE PREDATION OF GREATER SAGE-GROUSE NESTS	Shawn T. O'Neil	In Person
	3:20 PM	COMPARISON OF COMMON RAVENS IN WYOMING'S SAGE-GROUSE CORE AND NON-CORE AREAS: ASSESSING PREDATOR DENSITIES RELATED TO ANTHROPOGENIC FEATURES	Jonathan Dinkins	In Person
	3:40 PM	INTERACTIVE EFFECTS OF AVIAN PREDATOR DENSITIES AND HABITAT DISTURBANCE ON SAGE-GROUSE REPRODUCTIVE SUCCESS	Terrah Owens	In Person
	4:00 PM	ARTIFICIAL NEST DEPREDATION BY THE COMMON RAVEN WITHIN VARIOUS SAGEBRUSH TREATMENTS IN SOUTHERN UTAH	Zoë Moffett	In Person
	Session #7B Aug 18 4:20-5:10 PM Habitat Selection	4:20 PM	COLLABORATIVE CONSERVATION: CREATING RANGE-WIDE SEASONAL HABITAT MODELS FOR GREATER SAGE-GROUSE	Greg Wann
4:40 PM		CONSERVATION OF SAGE-GROUSE THROUGH PRECISION MANAGEMENT OF PALATABLE SAGEBRUSH	Jennifer Forbey	Virtual Lightning
4:50 PM		SAGE-GROUSE USE OF 'RESTORED' SAGEBRUSH HABITATS IN SOUTHERN UTAH	Benjamin C. Donnelly	Virtual Lightning
5:10 PM		Workshop Adjourned		