Colorado Chapter of The Wildlife Society Meeting
February 17th - 19th
Grand Junction, CO

Detailed Agenda

List of Abstracts

Thank you to this year's sponsors!

Tuesday, February 17th

7:00 - 8:00 Tues, 17th	Welcome and Registration Table Open (pick up your name badge anytime) *Location: Atrium*
9:00 - 4:00 Tues, 17th	**Workshop**: Workshop: Facilitating Depolarization: Tools for Reducing Conflict and Depolarizing Conservation Issues *Location: Escalante*
8:00 - 12:00 Tues, 17th	**Workshop**: Fundamentals of Plant Identification *Location: Adobe*
8:00 - 12:00 Tues, 17th	~~**Workshop**: Field Dressing and "Can I eat this?"~~ *CANCELED*
10:00 - 12:00 Tues, 17th	**Field Trip**: Palisade Insectary *Location: Off-site, pre-registration required*
8:30 - 3:00 Tues, 17th	**Field Trip**: Cross-country skiing on the Grand Mesa *Location: Off-site, pre-registration required*
12:00 - 1:00 Tues, 17th	Welcome and Registration Table Open (pick up your name badge anytime) *Location: Atrium*
1:00 - 5:00 Tues, 17th	**Workshop**: Logistics of habitat restoration and incorporation of native plants into wildlife projects

	Location: Whitewater
12:00 - 4:00 Tues, 17th	**Field Trip**: Forestry on the Mesa *Location: Off-site, pre-registration required*
4:00 - 6:00 Tues, 17th	Welcome and Registration Table Open (pick up your name badge anytime) *Location: Atrium*
6:00 - 9:00 Tues, 17th	Poster Session and Evening Social (Heavy apps provided; cash bar) *Location: Atrium and hallway outside of Ballroom and Creekside rooms*

Wednesday, February 18th

Students are marked with an asterisk*

SPEAKERS: Please send your slides to Jack Grider (jack.grider@state.co.us) by February 16th. If you are unable to do so, please upload talks at the registration table upon checking in.

7:00 - 4:00 Wed, 18th	Welcome and Registration Table Open (pick up your name badge anytime) *Location: Atrium*
8:00 - 8:15 Wed, 18th	Welcome and Opening Remarks *Location: Whitewater*
8:15 - 10:15 Wed, 18th	**Successes and Challenges in Conservation (late career)** Julia Kintsch, Mark Lamb, ~~Matt Reddy,~~ and Amy Seglund *Location: Whitewater*
10:30 – 11:00 Wed, 18th	Coffee Break (light refreshments provided)
11:00 - 12:00 Wed, 18th	**Habitat Restoration** – *Whitewater* Moderator: Eric VanNatta
11:00 - 11:15 Wed, 18th Habitat Restoration *Whitewater*	Instant Gratification: 15 Years of Removing Barriers to Wildlife Movement in Northwest Colorado Author: Brian Holmes
11:15 - 11:30 Wed, 18th Habitat Restoration *Whitewater*	Live Plants in Restoration: Use Cases and Improving Efficacy Authors: Scott Jensen, Tom Glass, Robby Edgel

11:30 - 11:45 Wed, 18th Habitat Restoration *Whitewater*	Success in the Field: Conservation Success Stories Author: Peyton Burt
11:45 – 12:00 Wed, 18th Habitat Restoration *Whitewater*	Effects of Pinyon-juniper Mastication Treatments on Bumble Bee Communities Authors: Eliza Cash*, Dave McNitt, Jake Powers, Claire Ramos
11:00 - 12:00 Wed, 18th	**Facilitating Reintroduction** – *Kannah* Moderator: Mireille Gonzalez
11:00 – 11:15 Wed, 18th Facilitating Reintroduction *Kannah*	Research-based Practices for Designing Effective Outreach around Wolverine Reintroduction in Colorado Author: Mireille Gonzalez
11:115 - 11:30 Wed, 18th Facilitating Reintroduction *Kannah*	Using Public Testimony to Inform Wolverine Reintroduction Outreach in Colorado Author: Kaitlyn Schneider
11:30 - 11:45 Wed, 18th Facilitating Reintroduction *Kannah*	Outcomes of the State-wide Education and Outreach Campaign about the Restoration of Wolverines to Colorado Author: Kaitlyn Reed*
11:45 - 12:00 Wed, 18th Facilitating Reintroduction *Kannah*	Wolves, Livestock, and People - Addressing the Decades Old Coexistence Challenge Author: Karin Vardaman
12:00 - 1:30 Wed, 18th	Student Professional Mixer (Previous sign-up required; lunch provided) *Location: Ballroom* Or Lunch on Your Own
1:30 - 4:30 Wed, 18th	**Beaver Symposium** – *Whitewater* Moderators: Stacie Robinson and Sarah Heerhartz
1:30 – 1:45 Wed, 18th Beaver Symposium *Whitewater*	Intro/Moderation Stacie Robinson and Sarah Heerhartz
1:45 - 2:15 Wed, 18th Beaver Symposium *Whitewater*	Keynote - The Colorado Parks and Wildlife Beaver Conservation and Management Strategy Authors: Brian Sullivan and Boyd Wright

2:15 - 2:30 Wed, 18th Beaver Symposium *Whitewater*	Q&A with CPW Brian Sullivan and Boyd Wright
2:30 - 2:45 Wed, 18th Beaver Symposium *Whitewater*	Beavers on Open Space: A Labor of Love Author: Sarah Heerhartz
2:45 - 3:00 Wed, 18th Beaver Symposium *Whitewater*	To Dam or Not to Dam: Assessing the Impacts of Beaver Activity in Denver's Urban Parks **(RECORDED)** Author: Vicki Vargas-Madrid
3:00 - 3:15 Wed, 18th Beaver Symposium *Whitewater*	Re-imagining Colorado's Working Beaverscapes: How Perceptions Dictate the Future Author: Nova Robbins-Waldstein
3:15 - 3:30 Wed, 18th Beaver Symposium *Whitewater*	Living with Beaver in Mountain Communities: Coexistence Techniques, Infrastructure, Protection, and Remediation of Abandoned Mines Author: Rory Cowie
3:30 - 3:45 Wed, 18th Beaver Symposium *Whitewater*	Evaluating and Mitigating Ecological Risks Associated with Beaver Translocation Author: Stacie Robison
3:45 - 4:00 Wed, 18th Beaver Symposium *Whitewater*	Applying the Integrated Wildlife Damage Management Model to Beaver Coexistence Author: Emily Blizzard
4:00 - 4:30 Wed, 18th Beaver Symposium *Whitewater*	PANEL SESSION – Wevehat is the future of the Colorado beaverscape?
1:30 - 3:30 Wed, 18th	**An Afternoon Birding** – Kannah Moderator: Becky Ruzicka
1:30 - 1:45 Wed, 18th An Afternoon Birding *Kannah*	Diurnal Variation in Male Greater Sage-Grouse Lek Attendance Authors: Rebekah E. Ruzicka, Brett L. Walker, William L. Kendall
1:45 - 2:00 Wed, 18th An Afternoon Birding *Kannah*	Using Unreconciled Double Observer Counts to Quantify Variation in Detectability on Male Greater Sage-Grouse on Leks Authors: Brett Walker and Rebekah Ruzicka
2:00 - 2:15 Wed, 18th An Afternoon Birding	Soaring Real Estate: Golden Eagle (*Aquila chrysaetos*) Nesting in Northwest Colorado

Kannah	Authors: Whit Blair, Brian Holmes, Reesa Conrey, Liza Rossi, Jim Gammonley
2:15 - 2:30 Wed, 18th An Afternoon Birding *Kannah*	Mexican Spotted Owl Occupancy Trends and Dynamics Bolster Informativeness of Remotely Sensed Environmental Metrics for Adaptive Management Authors: Quresh S. Latif, Marion A. Clément, Gavin M. Jones, Shaula J. Hedwall, Rebecca Kirby, Christopher E. Latimer
2:30 - 2:45 Wed, 18th An Afternoon Birding *Kannah*	Impacts of Body Condition, Drought, and Wildfire Smoke on Apparent Survival of Migratory Songbirds Authors: Kelsey Crona* and Claire Ramos
2:45 - 3:00 Wed, 18th An Afternoon Birding *Kannah*	Long-term Trends and Effects of Weather on Northern Bobwhite Relative Abundance in Northeastern Colorado **(RECORDED)** Authors: Adam Behney, Marty Stratman, Trent Verquer, Ed Gorman
3:00 - 3:15 Wed, 18th An Afternoon Birding *Kannah*	Bridging Genetics and Management: Practical Applications from 15 Years of Sage-Grouse Research Author: Brad Fedy
5:00 - 6:00 Wed, 18th	Gear Swap in Banquet Hall
6:00 - 7:30 Wed, 18th	Out in the Field Mixer (off-site, pre-registration required) Or Dinner on your own

Thursday, February 19th

Students are marked with an asterisk*
Please find a list of full abstracts here:

SPEAKERS: Please send your slides to Jack Grider (jack.grider@state.co.us) by February 16th. If you are unable to do so, please upload talks at the registration table upon checking in.

7:00 - 8:00 Thurs, 19th	Welcome and Registration Table Open (pick up your name badge anytime) *Location: Atrium*
8:15 - 8:30 Thurs, 19th	Welcoming Remarks and Announcements *Location: Whitewater*
8:30 - 10:30 Thurs, 19th	**Successes and Challenges in Conservation (early career)**

	Hayley Schroeder, Amanda Aulenbach, Chris Jones, Dylan Baldassari, Whit Blair *Location: Whitewater*
10:30 -11:00 Thurs, 19th	Coffee Break (light refreshments provided)
11:00 - 12:00 Thurs, 19th	**Avian and Insect Management** - *Whitewater* Moderator: Libby Mojica
11:00 - 11:15 Thurs, 19th Avian & Insect Mgmt. *Whitewater*	Differences in Insect Community Composition and Their Characteristics in Treated and Untreated Wet Meadows Authors: Sophia Reggiani*, Susan Washko
11:15 - 11:30 Thurs, 19th Avian & Insect Mgmt. *Whitewater*	Satellites to Species Conservation: Climate and Habitat Stressors on the Endangered Uncompahgre Fritillary Butterfly Authors: Dani Laird*, Oliver Wilmot, Matthew Vasquez, Madelon van de Kerk
11:30 - 11:45 Thurs, 19th Avian & Insect Mgmt. *Whitewater*	Environmental Heterogeneity and Abiotic Drivers Influence Population Density and Constrain Habitat for the Range-Restricted Brown-capped Rosy-Finch (*Leucosticte australis*) Authors: Kathryn Bernier*, Amy Seglund, Erika Zavaleta
11:45 - 12:00 Thurs, 19th Avian & Insect Mgmt. *Whitewater*	Evaluating and Mapping Habitat Suitability for Breeding Pinyon Jays at Multiple Spatial Scales across Colorado Authors: Emily D. Macklin*, Amy E. Seglund, David C. McNitt, Scott G. Somershoe, Amanda E. Cheeseman
11:00 - 11:45 Thurs, 19th	**Methods Development** - *Kannah* Moderator: Rachel Vanausdall
11:00 - 11:15 Thurs, 19th Methods Development *Kannah*	NEPA AI: How Artificial Intelligence is Helping Predict Mitigation Conservation Author: Jeffrey Pearson
11:15 - 11:30 Thurs, 19th Methods Development *Kannah*	Assessing Bias, Precision, and Accuracy of Cause-Specific Mortality and Reporting Rates Under Varying Degrees of Temporal Variation and Prior Information Authors: Rachel Vanausdall, Jordan Thompson, and David Koons
11:30 - 11:45 Thurs, 19th Methods Development *Kannah*	WildWatch: Case Studies in Using Machine Learning for Camera Trap- Data Processing in the Rocky Mountain Region Authors: Riley Knoedler, Jacob Morris, Andrew Telander
12:00 - 1:30 Thurs, 19th	CCTWS Business Meeting (previous signup required; lunch provided) *Location: Ballroom*

	Or Lunch on Your Own
1:30 - 4:30 Thurs, 19th	**SAF Special Session** – *Whitewater* Moderator: Ian Reiling
1:30 - 1:45 Thurs, 19th SAF Special Session *Whitewater*	Grand Mesa Watershed Resiliency Project: Shared Stewardship Across Boundaries Authors: Michael Salazar and Hannah Holm
1:45 - 2:00 Thurs, 19th SAF Special Session *Whitewater*	Bald Timber Sale: Applied Research to Management Action Authors: Jeff Rainey and Lauren Lomonoco
2:00 - 2:15 Thurs, 19th SAF Special Session *Whitewater*	Lessons in Future Reforestation from the Past: Results from 45 years of an Engelmann Spruce Provenance Study Author: Katie Nigro
2:15 - 2:45 Thurs, 19th SAF Special Session *Whitewater*	City of Grand Junction Urban Forestry and Hydroponics Program Author: Rob Davis
2:45 - 3:00 Thurs, 19th SAF Special Session *Whitewater*	UAS Applications on the GMUG National Forests Author: Ian Reiling
3:00 - 3:30 Thurs, 19th SAF Special Session *Whitewater*	Inclusion of Women and Diverse Populations in Forestry with the Women's Forest Congress Authors: Jamie Dahl and Leah Rathbun
3:30 - 3:45 Thurs, 19th SAF Special Session *Whitewater*	Seeds for the Future: Prioritizing Cone Collection Efforts for the Reforestation Pipeline Author: Taylor Akers
3:45 - 4:00 Thurs, 19th SAF Special Session *Whitewater*	Burn Severity Across Forest Types and Burning Conditions for Forest Treatments on the Front Range Author: Sarah Hettema
4:00 - 4:15 Thurs, 19th SAF Special Session *Whitewater*	Evaluating Colorado Aspen Forests for Elk Habitat Author: Michael Atkinson (Recorded Presentation, Virtual Q&A)
4:15 - 4:30 Thurs, 19th SAF Special Session *Whitewater*	CO Forest Resiliency Through Collaborative Partnerships: a 10-year working model from the Upper South Platte Partnership Author: Audrey Miles-Cherney

1:30 - 3:00 Thurs, 19th	**Ungulates and Wolves** – *Kannah* Moderator: Brenna Cassidy
1:30 - 1:45 Thurs, 19th Ungulates and Wolves *Kannah*	Assessing Behavioral Responses of Rocky Mountain Elk (*Cervus canadensis*) to Human Recreation: Implications for Predation Risk Effects Authors: Eric VanNatta*, Nathaniel Rayl, Joe Holbrook
1:45 - 2:00 Thurs, 19th Ungulates and Wolves *Kannah*	Examining Ungulate Diet Patterns across Seasons and a Wildfire Burn Using DNA Metabarcoding Authors: Ellen Brandell, Lauren Brandt
2:00 - 2:15 Thurs, 19th Ungulates and Wolves *Kannah*	The State of the Herd: Monitoring a Bighorn Sheep population in Southwest, Colorado Authors: Cody Hinkley*, Emily Latta, Philip Crossley, Madelon van de Kerk
2:15 - 2:30 Thurs, 19th Ungulates and Wolves *Kannah*	Seasonal Habitat Use by a Migratory Ungulate: Unraveling the Natural and Anthropogenic Drivers on Yellowstone Bison Movements with Dynamic Occupancy Detection Models Authors: Jackson Doyel*, Madelon van de Kerk, Rick Wallen, Richard Whitney, Dr. Richard Lathrop
2:30 - 2:45 Thurs, 19th Ungulates and Wolves *Kannah*	Planning Wolf Restoration in a Shifting Federal Landscape: Lessons from Colorado Author: Eric Odell
2:45 - 3:00 Thurs, 19th Ungulates and Wolves *Kannah*	Preliminary Patterns of Translocated Wolf Movement in Colorado Authors: Brenna Cassidy, Ellen Brandell, David Klute, Benjamin Wasserstein, Eric Odell
6:00 - 9:00 Thurs, 19th	Banquet and Awards (cash bar) *Location: Ballroom*