

**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 17<sup>th</sup>**

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

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

## Wednesday, February 18th

Students are marked with an asterisk\*

**SPEAKERS:** Please send your slides to Jack Grider ([jack.grider@state.co.us](mailto: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) <i>Location: Atrium</i>
8:00 - 8:15 Wed, 18th	Welcome and Opening Remarks <i>Location: Whitewater</i>
8:15 - 10:15 Wed, 18th	<b><u>Successes and Challenges in Conservation (late career)</u></b> Julia Kintsch, Mark Lamb, <del>Matt Reddy</del> , and Amy Seglund <i>Location: Whitewater</i>
10:30 – 11:00 Wed, 18th	Coffee Break (light refreshments provided)
11:00 - 12:00 Wed, 18th	<b>Habitat Restoration – Whitewater</b> Moderator: Eric VanNatta
11:00 - 11:15 Wed, 18th Habitat Restoration <i>Whitewater</i>	Instant Gratification: 15 Years of Removing Barriers to Wildlife Movement in Northwest Colorado  Author: Brian Holmes
11:15 - 11:30 Wed, 18th Habitat Restoration <i>Whitewater</i>	Live Plants in Restoration: Use Cases and Improving Efficacy  Authors: Scott Jensen, Tom Glass, Robby Edgel

11:30 - 11:45 Wed, 18th Habitat Restoration <i>Whitewater</i>	Success in the Field: Conservation Success Stories  Author: Peyton Burt
11:45 – 12:00 Wed, 18th Habitat Restoration <i>Whitewater</i>	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	<b>Facilitating Reintroduction – <i>Kannah</i></b> Moderator: Mireille Gonzalez
11:00 – 11:15 Wed, 18th Facilitating Reintroduction <i>Kannah</i>	Research-based Practices for Designing Effective Outreach around Wolverine Reintroduction in Colorado  Author: Mireille Gonzalez
11:15 - 11:30 Wed, 18th Facilitating Reintroduction <i>Kannah</i>	Using Public Testimony to Inform Wolverine Reintroduction Outreach in Colorado  Author: Kaitlyn Schneider
11:30 - 11:45 Wed, 18th Facilitating Reintroduction <i>Kannah</i>	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 <i>Kannah</i>	Wolves, Livestock, and People - Addressing the Decades Old Coexistence Challenge  Author: Karin Vardaman
12:00 - 1:30 Wed, 18 <sup>th</sup>	Student Professional Mixer (Previous sign-up required; lunch provided) <i>Location: Ballroom</i>  Or Lunch on Your Own
1:30 - 4:30 Wed, 18th	<b>Beaver Symposium – <i>Whitewater</i></b> Moderators: Stacie Robinson and Sarah Heerhartz
1:30 – 1:45 Wed, 18th Beaver Symposium <i>Whitewater</i>	Intro/Moderation  Stacie Robinson and Sarah Heerhartz
1:45 - 2:15 Wed, 18th Beaver Symposium <i>Whitewater</i>	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 <i>Whitewater</i>	Q&A with CPW  Brian Sullivan and Boyd Wright
2:30 - 2:45 Wed, 18th Beaver Symposium <i>Whitewater</i>	Beavers on Open Space: A Labor of Love  Author: Sarah Heerhartz
2:45 - 3:00 Wed, 18th Beaver Symposium <i>Whitewater</i>	To Dam or Not to Dam: Assessing the Impacts of Beaver Activity in Denver's Urban Parks ( <b>RECORDED</b> )  Author: Vicki Vargas-Madrid
3:00 - 3:15 Wed, 18th Beaver Symposium <i>Whitewater</i>	Re-imagining Colorado's Working Beaverscapes: How Perceptions Dictate the Future  Author: Nova Robbins-Waldstein
3:15 - 3:30 Wed, 18th Beaver Symposium <i>Whitewater</i>	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 <i>Whitewater</i>	Evaluating and Mitigating Ecological Risks Associated with Beaver Translocation  Author: Stacie Robison
3:45 - 4:00 Wed, 18th Beaver Symposium <i>Whitewater</i>	Applying the Integrated Wildlife Damage Management Model to Beaver Coexistence  Author: Emily Blizzard
4:00 - 4:30 Wed, 18th Beaver Symposium <i>Whitewater</i>	PANEL SESSION – What is the future of the Colorado beaverscape?
1:30 - 3:30 Wed, 18th	<b>An Afternoon Birding</b> – Kannah Moderator: Becky Ruzicka
1:30 - 1:45 Wed, 18th An Afternoon Birding <i>Kannah</i>	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 <i>Kannah</i>	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 ( <i>Aquila chrysaetos</i> ) Nesting in Northwest Colorado

<i>Kannah</i>	Authors: Whit Blair, Brian Holmes, Reesa Conrey, Liza Rossi, Jim Gammonley
2:15 - 2:30 Wed, 18th An Afternoon Birding <i>Kannah</i>	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 <i>Kannah</i>	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 <i>Kannah</i>	Long-term Trends and Effects of Weather on Northern Bobwhite Relative Abundance in Northeastern Colorado ( <b>RECORDED</b> )  Authors: Adam Behney, Marty Stratman, Trent Verquer, Ed Gorman
3:00 - 3:15 Wed, 18th An Afternoon Birding <i>Kannah</i>	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](mailto: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) <i>Location: Atrium</i>
8:15 - 8:30 Thurs, 19th	Welcoming Remarks and Announcements <i>Location: Whitewater</i>
8:30 - 10:30 Thurs, 19th	<a href="#"><u>Successes and Challenges in Conservation (early career)</u></a>

	Hayley Schroeder, Amanda Aulenbach, Chris Jones, Dylan Baldassari, Whit Blair <i>Location: Whitewater</i>
10:30 - 11:00 Thurs, 19th	Coffee Break (light refreshments provided)
11:00 - 12:00 Thurs, 19th	<b>Avian and Insect Management - Whitewater</b> Moderator: Libby Mojica
11:00 - 11:15 Thurs, 19th Avian & Insect Mgmt. <i>Whitewater</i>	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. <i>Whitewater</i>	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. <i>Whitewater</i>	Environmental Heterogeneity and Abiotic Drivers Influence Population Density and Constrain Habitat for the Range-Restricted Brown-capped Rosy-Finch ( <i>Leucosticte australis</i> )  Authors: Kathryn Bernier*, Amy Seglund, Erika Zavaleta
11:45 - 12:00 Thurs, 19th Avian & Insect Mgmt. <i>Whitewater</i>	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	<b>Methods Development - Kannah</b> Moderator: Rachel Vanausdall
11:00 - 11:15 Thurs, 19th Methods Development <i>Kannah</i>	NEPA AI: How Artificial Intelligence is Helping Predict Mitigation Conservation  Author: Jeffrey Pearson
11:15 - 11:30 Thurs, 19th Methods Development <i>Kannah</i>	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 <i>Kannah</i>	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	<a href="#">CCTWS Business Meeting</a> (previous signup required; lunch provided) <i>Location: Ballroom</i>

	Or Lunch on Your Own
1:30 - 4:30 Thurs, 19th	<b>SAF Special Session – <i>Whitewater</i></b> Moderator: Ian Reiling
1:30 - 1:45 Thurs, 19th SAF Special Session <i>Whitewater</i>	Grand Mesa Watershed Resiliency Project: Shared Stewardship Across Boundaries  Authors: Michael Salazar and Hannah Holm
1:45 - 2:00 Thurs, 19th SAF Special Session <i>Whitewater</i>	Bald Timber Sale: Applied Research to Management Action  Authors: Jeff Rainey and Lauren Lomonoco
2:00 - 2:15 Thurs, 19th SAF Special Session <i>Whitewater</i>	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 <i>Whitewater</i>	City of Grand Junction Urban Forestry and Hydroponics Program  Author: Rob Davis
2:45 - 3:00 Thurs, 19th SAF Special Session <i>Whitewater</i>	UAS Applications on the GMUG National Forests  Author: Ian Reiling
3:00 - 3:30 Thurs, 19th SAF Special Session <i>Whitewater</i>	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 <i>Whitewater</i>	Seeds for the Future: Prioritizing Cone Collection Efforts for the Reforestation Pipeline  Author: Taylor Akers
3:45 - 4:00 Thurs, 19th SAF Special Session <i>Whitewater</i>	Burn Severity Across Forest Types and Burning Conditions for Forest Treatments on the Front Range  Author: Sarah Hetteema
4:00 - 4:15 Thurs, 19th SAF Special Session <i>Whitewater</i>	Evaluating Colorado Aspen Forests for Elk Habitat  Author: Michael Atkinson (Recorded Presentation, Virtual Q&A)
4:15 - 4:30 Thurs, 19th SAF Special Session <i>Whitewater</i>	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, 19 <sup>th</sup>	<b>Ungulates and Wolves – Kannah</b> Moderator: Brenna Cassidy
1:30 - 1:45 Thurs, 19 <sup>th</sup> Ungulates and Wolves <i>Kannah</i>	Assessing Behavioral Responses of Rocky Mountain Elk ( <i>Cervus canadensis</i> ) to Human Recreation: Implications for Predation Risk Effects  Authors: Eric VanNatta*, Nathaniel Rayl, Joe Holbrook
1:45 - 2:00 Thurs, 19 <sup>th</sup> Ungulates and Wolves <i>Kannah</i>	Examining Ungulate Diet Patterns across Seasons and a Wildfire Burn Using DNA Metabarcoding  Authors: Ellen Brandell, Lauren Brandt
2:00 - 2:15 Thurs, 19 <sup>th</sup> Ungulates and Wolves <i>Kannah</i>	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, 19 <sup>th</sup> Ungulates and Wolves <i>Kannah</i>	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, 19 <sup>th</sup> Ungulates and Wolves <i>Kannah</i>	Planning Wolf Restoration in a Shifting Federal Landscape: Lessons from Colorado  Author: Eric Odell
2:45 - 3:00 Thurs, 19 <sup>th</sup> Ungulates and Wolves <i>Kannah</i>	Preliminary Patterns of Translocated Wolf Movement in Colorado  Authors: Brenna Cassidy, Ellen Brandell, David Klute, Benjamin Wasserstein, Eric Odell
6:00 - 9:00 Thurs, 19 <sup>th</sup>	Banquet and Awards (cash bar) <i>Location: Ballroom</i>