

2018 CCTWS Annual Meeting Agenda
Doubletree Hilton Hotel
Grand Junction, Colorado
7-9 February 2018

Wednesday 7 February 2018

Symposium – Overview of Integrated Monitoring of Bird Conservation Regions (IMBCR) Program
Symposium organized in collaboration with the Bird Conservancy of the Rockies

- 10:00-10:10 *Opening remarks*
T. Luke George, Bird Conservancy of the Rockies
- 10:10-10:40 *Development of the IMBCR Program*
Jennifer Blakesley, Bird Conservancy of the Rockies
- 10:40-11:00 *IMBCR: The first ten years, challenges and opportunities*
Chris White, Bird Conservancy of the Rockies
- 11:00-11:20 *Hierarchical Modeling: monitoring and measuring conservation effectiveness*
Dave Pavlacky, Bird Conservancy of the Rockies
- 11:20-11:40 *Adding complexity: modeling spatial and temporal occupancy of grassland birds*
Adam Green, Bird Conservancy of the Rockies
- 11:40-12:00 *Application of IMBCR data to bird conservation in Colorado*
Dave Klute, Colorado Parks and Wildlife
- 12:00-1:00 Lunch (Provided with symposium registration)**
- 1:00-1:20 *Using IMBCR to address management issues on USFS lands*
Rick Truex, USDA Forest Service
- 1:20-1:40 *Mammal response to beetle-killed forest using IMBCR sample locations*
Jake Ivan, Colorado Parks and Wildlife
- 1:40-2:00 *Dolores River restoration monitoring*
Alex Van Boer, Bird Conservancy of the Rockies
- 2:00-2:20 *Stewardship and monitoring on private lands*
Becky Jones, Natural Resources Conservation Service
- 2:20-2:40 *The IMBCR Program: Past, present and future*
T. Luke George, Bird Conservancy of the Rockies

2:40-3:00 **BREAK**

3:00-5:00 *Hands-on Workshop*
*Summarizing IMBCR data using the Rocky Mountain Avian Data Center**
Nick Van Lanen, Bird Conservancy of the Rockies
*Participants bring laptops

Welcome Reception

6:00-9:00 CCTWS Networking Social (Food and drinks provided)
Organized in collaboration with the **Colorado State University** and **Western State Colorado University** Student Chapters of the Wildlife Society and **Colorado Mesa University** Fish and Wildlife Club

Thursday 8 February 2018

Plenary Session – Road Ecology

8:00-8:10 *Welcome and announcements*
Patrick Magee!, President CCTWS

8:10-8:20 *Introduction to the Road Ecology Plenary Session*
Aran Johnson, CCTWS Board Member and Southern Ute Indian Tribe

8:20–9:00 ***Keynote*** *Road Ecology: Are we taking the right turns?*
Dr. Marcel Huijser, Road Ecologist, Western Transportation Institute

9:00–9:15 *Embracing road ecology*
Dave Eller, Colorado Department of Transportation (CDOT)

9:15 - 9:30 *The Big Picture - CPW's interest and involvement in wildlife and transportation solutions*
Dean Riggs, Colorado Parks and Wildlife

9:30 – 10:00 *At the Crossroads: The role of wildlife professionals in protecting wildlife across transportation corridors*
Dr. Patty Cramer, Independent wildlife researcher

10:00-10:30 **BREAK**

10:30-11:00 *A perspective on lessons learned in Montana - wildlife crossings for creatures large and small.....Moving forward in Colorado*
Pat Basting, Jacobs Engineering

11:00-11:30 *Colorado wildlife crossings: Then, now, and the road ahead*
Julia Kintsch, EcoResolutions

11:30-Noon *Colorado State Highway 9: Collaboration and research advancing safe passage for wildlife in Colorado*
Michelle Cowardin, Colorado Parks and Wildlife

Noon – 1:40 Lunch (provided for all) and Business Meeting

1:40-2:00 *Creating safe passage for smaller species using existing highway structures*
Dr. Kerry Foresman, Professor Emeritus University of Montana

2:00-2:20 *Eagle mortality associated with wildlife-vehicle collisions*
Hillary White, US Fish and Wildlife Service

2:20-2:40 *I-25 wildlife mitigation*
Korby Mintken, Pinyon Environmental
Francesca Tordonato, CDOT

2:40-3:00 *Connecting people to the science of long distance migrations: Lessons for road ecology*
Bill Rudd, Wyoming Migration Initiative

3:00-3:10 *Plenary Wrap-up*
Chase Taylor, Pinyon Environmental

3:10-3:40 BREAK

IGNITE Session (each talk is five minutes)

3:40-4:30 **Krysten Zummo-Strong**, CCTWS Board member, Moderator

CPW-CDOT collaboration on potential wildlife crossings between Castle Rock and Monument on Interstate 25

Brandon Marette, Colorado Parks and Wildlife
Karen Voltura, Colorado Parks and Wildlife

Toss that elevator speech out the window: giving SciComm deeper roots
Krysten Zummo-Strong, Pheasants Forever

Applying the COM-B Model of behavior change to a case study of wildscape gardeners: Implications for conservation outreach
Megan Jones, Colorado State University

Gray wolf and human road behavior
Lizzie Cato, Yellowstone Wolf Project

Modeling raptor distribution and creating consistent statewide survey protocols
Reesa Yale Conrey, Colorado Parks and Wildlife
Kevin Aagard, Colorado Parks and Wildlife
Jonathan DeCoste, Boulder Open Space
Liza Rossi, CPW Species Conservation Unit
William Kendall, USGS Colorado Cooperative Fish and Wildlife Research Unit
James Gammonley, Colorado Parks and Wildlife

Assessing accuracy of land cover datasets in Greater Sage-Grouse habitats
Marcella Fremgen, Boise State University/Bird Conservancy of the Rockies

The Narrowleaf of Deadman Creek
Jesse McCarty, USDA, Forest Service

Wilderness icon or hen house villain: The Rocky Mountain Red Fox
Dr. Patrick Magee! Western State Colorado University

4:30-5:00 *The first five (or more) decades of chronic wasting disease: Lessons for the five decades to come*
Dr. Mike Miller, Colorado Parks and Wildlife

Poster Session and Social (Drinks)

5:30-6:30 *OHV use on Great Basin spadefoot habitat use*
Billie Williams, Colorado Mesa University
Heidi Plank, Bureau of Land Management
Dan Neubaum, Colorado Parks and Wildlife

Bird, mammal, and herpetofauna inventory of the Bitter Brush State Wildlife Area, Moffat County, CO
Brian Holmes, Colorado Parks and Wildlife
Alyssa Kircher, University of Wisconsin, Madison

TRACT: a tool for prioritizing and ranking National Wildlife Refuge System's land acquisition
Mindy B. Rice, U.S. Fish and Wildlife Service

Monitoring the use of abandoned mines by wildlife in the Sangre de Cristo mountain range
Tyler Cerny, Adams State University
Jose Mix, Adams State University
Wyatt Moran, Adams State University
Erika Ibarra-Garibay, Adams State University
Tim Armstrong, Adams State University

Calcium supplementation negatively affects lifespan of breeding Tree Swallows
Marina D. Rodriguez, Colorado State University
Susan M. Bailey, Colorado State University
Kathryn P. Huyvaert, Colorado State University
Paul F. Doherty, Jr., Colorado State University

A novel qPCR assay for avian sexing
James Kelleher, Colorado State University
Emily Wolcott, Delaware Valley University
Darl Swartz, Delaware Valley University

Banquet (Dinner and drinks)

6:30-9:30 Dinner
 Awards
 Silent and live auction (fund raiser for CCTWS)

Friday 9 February 2018

Contributed Papers

Session I: Management and Policy

Marcella Fremgen, CCTWS Board member, Session Moderator

- 8:20 – 8:30 *Announcements* – Pat Magee, Colorado Chapter of the Wildlife Society
- 8:30 – 8:50 *Behavioral plasticity buffers mule deer from demographic impacts of energy development*
Joseph M. Northrup, Colorado State University
Charles (Chuck) R. Anderson Jr., Colorado Parks and Wildlife
Brian D. Gerber, Colorado State University
George Wittemyer, Colorado State University
- 8:50 – 9:10 *Estimating snowshoe hare density from pellet counts on BLM lands in Fremont County, Colorado*
Emily Latta, Bureau of Land Management
Matthew Rustand, Bureau of Land Management
- 9:10 – 9:30 *Conservation easements and sportsmen: What's in it for me?*
Ilana Moir, Colorado West Land Trust
Stephanie Durno, Colorado Parks and Wildlife
- 9:30 – 9:50 *Overview of Colorado's State Wildlife Action Plan and the Recovering America's Wildlife Act*
Eric Odell, Colorado Parks and Wildlife
- 9:50 – 10:10 *USFWS update on status of federally listed species recovery in Western Colorado: focus on Gunnison Sage-grouse*
Mark Brennan, U. S. Fish and Wildlife Service

10:10 – 10:40 Break

Session II: Research

- 10:40 – 11:00 *Modeled snow persistence in occupied and potential wolverine habitat in the Rocky Mountains*
Stephen C. Torbit, U. S. Fish and Wildlife Service
John Guinotte, U. S. Fish and Wildlife Service
Andrea Ray, NOAA/ESRL Physical Sciences Division
Joseph J. Barsugli, NOAA/ESRL Physical Sciences Division and University of Colorado
 Cooperative Institute for Research in Environmental Science (CIRES)
Ben Livneh, CIRES and University of Colorado Civil, Environmental, and Architectural
 Engineering
Candida F. Dewes, NOAA/ESRL Physical Sciences Division and University of Colorado

Cooperative Institute for Research in Environmental Science (CIRES)
Imtiaz Rangwala, CIRES
Aaron Heldmyer, University of Colorado Civil, Environmental, and Architectural
Engineering
Jenna Stewart, University of Colorado Civil, Environmental, and Architectural
Engineering

- 11:00 – 11:20 *Field observations and Bayesian Models forecast evolutionary response to Chronic Wasting Disease in mule deer*
Nathan L. Galloway, Colorado State University
Chris Geremia, Colorado State University
Thompson Hobbs, Colorado State University
Michael F. Antolin, Colorado State University
- 11:20 – 11:40 *Unsuspected retreats: use of rock crevices and talus as autumn transition roosts and potential hibernacula*
Dan Neubaum, Colorado Parks and Wildlife
- 11:40 – 12:00 *Movements and demography of the Brown-capped Rosy-Finch*
T. Luke George, Bird Conservancy of the Rockies
Raymond Van Buskirk, Rio Grande Bird Research
Erika Zavaleta, University of California, Santa Cruz
Garth Spellman, Denver Museum of Nature and Science
- 11:50-12:00 *Farewell and awards for student posters and presentations*
Pat Magee, Colorado Chapter of the Wildlife Society