



Schedule of Events

WOLVES IN A CHANGING WORLD

OCTOBER 13-16, 2022
MINNEAPOLIS, MN USA

ALL EVENTS listed in Yellow are held in the Northland Ballroom

THURSDAY, OCTOBER 13, 2022

6:00 a.m. - 6:30 p.m. — **WOLVES AND WILDERNESS BUS TRIP** to Ely, MN

1:00 p.m. - 6:00 p.m. — Registration in Northland Prefunction Area

3:00 p.m. - 6:00 p.m. — Retail Sales in Northland Prefunction Area

3:00 - 5:30 p.m. **STUDENT/MENTOR SESSION** in Hennepin III Tom Gable, Regina Mossotti, Diane Boyd and Greg Breining – Moderator: Dick Thiel

6:00 - 8:00 p.m. **WELCOME RECEPTION** and **BUFFET DINNER** in Great Room

8:15 - 9:30 p.m. **THREE WOLVES, THREE PACKS: MOTHER, DAUGHTER, GRANDMOTHER** - Film by Bob Landis
Supporting panel: Doug Smith, Dan Stahler and Jeremy SunderRaj – Introduction: Kira Cassidy

FRIDAY, OCTOBER 14, 2022

6:30 a.m. - 8:00 a.m. — **BREAKFAST**

7:00 a.m. - 5:00 p.m. — Registration in Northland Prefunction Area

7:00 a.m. - 1:00 p.m. and 3:00 p.m. - 6:00 p.m — Retail Sales in Northland Prefunction Area

8:00 a.m. - 6:00 p.m. — Exhibits in Northland Prefunction Area and Posters Displays in Minnesota Ballroom

8:00 - 8:30 a.m. **WELCOME REMARKS** – Grant Spickelmier, Judy Hunter and Debbie Hinchcliffe

8:30 - 9:45 a.m. **PLENARY PANEL – REDUCING WOLF POPULATIONS: EXPLORING MOTIVATIONS, METHODS, EFFICACY AND ALTERNATIVES**
Robert Serrouya, Barbara Zimmermann and Rod Boertje – Moderator: Brent Patterson

9:45-10:00 a.m. BREAK

ROOM	ELM CREEK	HENNEPIN I	HENNEPIN II	HENNEPIN III	ARBOR LAKES
	WOLF ECOLOGY, BEHAVIOR AND GENETICS	WOLF ECOLOGY, BEHAVIOR AND GENETICS	WOLF-HUMAN INTERACTIONS	WOLF MANAGEMENT AND POLICY	CONFLICT MANAGEMENT
FRIDAY MORNING CONCURRENT SESSIONS	10:00- 10:20 Explaining Wolves' Consumption Time at Own Kills and Other Food Sources Camilla Wikenros	Between a Risk and a Hard Place: Scavenging Patterns and Habitat Selection of Carnivores in the Subarctic Kaija Klaunder	Exploitative Competition Between Wolves and Humans: How Does Wolf Scent Affect Behavior of Naïve and Experienced Deer at Hunter Bait Sites? Ellen Candler	Recent Trends in Survival and Mortality of Wolves in Minnesota Stotra Chakrabarti	Place-Based Collaboratives for Minimizing Human-Carnivore Conflict: Collective Factors Driving Success Throughout the American West Matt Collins
	10:30- 10:50 Of Wolves and Polar Bears: A Citizen-Science Field Investigation of Wolf-Bear Interactions in the Arctic Jad Davenport	Parasitic Infection in Gray Wolves Changes Risk-Taking Behavior Kira Cassidy	Wolf Responses to Experimental Human Approach Trials: First Results from a Standardized Protocol Ane Eriksen	February 2021 Wolf Hunt in Wisconsin: The Policies, Politics and Consequences of a Rushed Hunt during the Wolf Breeding Season Adrian Wydeven	Wood River Wolf Project: 15 Years of Coexistence In Idaho's Mountainous Backcountry Suzanne Asha Stone
	11:00- 11:20 Spatial and Temporal Patterns of Wolf Predation on Eurasian Beavers in Central Europe Robert Myslajek	Gray Wolves Reduce <i>Parelaphostrongylus tenuis</i> Transmission Risk from White-Tailed Deer to Moose Tiffany Wolf	Reproductive Success of Wisconsin Wolves Following a Hunting Season During the Breeding Season Erik Olson	Whose Wildlife Values Count? The Push for Transforming Wildlife Governance Walter Medwid	Wolf Damage Management in Minnesota John Hart

11:30 a.m. -12:45 p.m. — LUNCH						
12:45-2:15 p.m.	PLENARY PANEL- REGIONAL RECOVERY UPDATES Jorge Servin, John Oakleaf, Kim Wheeler, Eric Odell and Kevin Crooks – Moderator: Dean Cluff					
ROOM	ELM CREEK	HENNEPIN I	HENNEPIN II	HENNEPIN III	ARBOR LAKES	
	WOLF ECOLOGY, BEHAVIOR AND GENETICS	WOLF ECOLOGY, BEHAVIOR AND GENETICS	EDUCATION	RECOVERY UPDATES	WOLF-HUMAN INTERACTIONS	
FRIDAY AFTERNOON SESSIONS	2:25-2:45	Spontaneous Howling Behavior of Wild Wolves Around Rendezvous Sites Vicente Palacios	A Genomic Perspective on Red Wolf Hybridization, Inbreeding, and Adaptive Management in the North Carolina Wild Population Kristin Brzeski	Creating Successful Collaboration for International Wolf Conservation Betsy Klein and Catherine Frizat	Social-Ecological Scientific Insights into Colorado Wolf Restoration Kevin Crooks	Resource Exploitation Efficiency Collapses the Home Range of an Apex Predator Robert Serrouya
	2:55-3:15	Were You Raised By Wolves? Or Rather, Where Were You Raised By Wolves? An Analysis of Homesite Selection in Northern Minnesota Lucas Beck	Sea Otter Reintroduction Unexpectedly Releases Wolves from Ungulate Dependence Transforming Terrestrial Predator-Prey Dynamics Gretchen Roffler	Deflating Myths about Gray Wolves (<i>Canis lupus</i>) in the Midwest, USA: A Unifying Curriculum Project Jordyn O'Gara	Planning for the Reintroduction of Wolves to Colorado Eric Odell	Demographics of Gray Wolf (<i>Canis lupus</i>) Packs Recolonizing Variable Habitat Types in Central Wisconsin Theresa Simpson
3:15-3:30 p.m.	BREAK					
3:30-4:15 p.m.	PLENARY- A HISTORY OF DENALI NATIONAL PARK WOLF STUDIES Bridget Borg – Introduction: Sabina Nowak					
4:30-6:00 p.m.	POSTER SESSION Q & A and SOCIAL HOUR WITH CASH BAR in the Minnesota Ballroom					
6:00-7:15 p.m.	BUFFET DINNER in Great Room					
7:30-8:15 p.m.	PLENARY- PLEISTOCENE PALEOECOLOGY OF THE NORTH AMERICAN GRAY WOLF Dr. Blaire Van Valkenburgh – Introduction: Dick Thiel					
8:15-9:15 p.m.	PLENARY - THE ROLE OF ELDERLY WOLVES Kira Cassidy – Introduction: Dick Thiel					

SATURDAY, OCTOBER 15, 2022

6:30 a.m. - 8:00 a.m. — BREAKFAST						
7:00 a.m. - 5:00 p.m. — Registration in Northland Prefunction Area						
7:00 a.m. - 1:00 p.m. and 3:00 p.m. - 6:00 p.m. — Retail Sales in Northland Prefunction Area						
8:00 a.m. - 5:15 p.m. — Exhibits in Northland Prefunction Area and Poster Displays in Minnesota Ballroom						
8:00-9:00 a.m.	PLENARY PANEL - RECOLONIZATION OF PACIFIC COAST STATES Kent Laudon, Ben Maletzke and Roblyn Brown - Moderator: Dick Thiel					
ROOM	ELM CREEK	HENNEPIN I	HENNEPIN II	HENNEPIN III	ARBOR LAKES	
	WOLF ECOLOGY, BEHAVIOR AND GENETICS	WOLF ECOLOGY, BEHAVIOR AND GENETICS	EDUCATION	WOLF-HUMAN INTERACTIONS	CONFLICT MANAGEMENT	
SATURDAY MORNING SESSIONS	9:10-9:30	Intrinsic and Environmental Drivers of Social Cohesion in Wild Canids John Benson	Reviving Ghost Alleles: Genetically Admixed Coyotes along the American Gulf Coast are Critical for Saving the Endangered Red Wolf Bridgett vonHoldt	Empowering Young Wolf Advocates Christopher Lile and Karah Rawlings	Uneven Spatial and Temporal Distribution of Predation Inside Wolf Territories Challenges Moose Management Barbara Zimmermann	Ending the Cycle of Wolf-Livestock Conflict with a Fence? Austin Homkes
	9:40-10:00	Wolf Pup Survival in Northeastern Minnesota Morgan Swingen	Wolf Personalities, Ecosystem Impacts, and the Possibility of Wolf Cultures Joe Bump	Keeping Up with the Times - Engaging and Growing Audiences in a Virtual World Krista Woerheide	Yellowstone Wolf Habituation: Loving Wolves to Death Taylor Bland	Passive Acoustic Tracking of Wild Wolves in Central Wisconsin Angela Dassow
	10:10-10:30	Distribution, Dietary Menu and Phylogeny of Gray Wolf (<i>Canis lupus</i>) from Northern Pakistan Tariq Mahmood	Wolf Persistence on Michipicoten Island, Ontario in Absence of Ungulate Prey Brent Patterson	Let Me Jot that Down - The Use of Jot Form Apps to Acquire Behavioral Data Abby Keller	Too Young to Die – Mortality of Legally Protected Wolves in Human-Dominated Landscapes of Central Europe Sabina Nowak	
10:30-10:45 a.m.	BREAK					

10:45 - 11:45 a.m.	PLENARY PANEL - HUMAN-CAUSED MORTALITY TRIGGERS WOLF PACK INSTABILITY: A STUDY FROM FIVE U.S. NATIONAL PARKS Kira Cassidy, Bridget Borg and Steve Windels – Moderator: Doug Smith					
11:45 a.m. - 1:00 p.m. — LUNCH						
1:00 - 1:40 p.m.	PLENARY - RESTORING THE BALANCE: WHAT WOLVES TELL US ABOUT OUR RELATIONSHIP WITH NATURE John Vucetich – Introduction: Grant Spickelmier					
ROOM	ELM CREEK	HENNEPIN I	HENNEPIN II	HENNEPIN III	ARBOR LAKES	
	WOLF ECOLOGY, BEHAVIOR AND GENETICS	WOLF ECOLOGY, BEHAVIOR AND GENETICS	WOLF-HUMAN INTERACTIONS	WOLF MANAGEMENT AND POLICY	CONFLICT MANAGEMENT	
SATURDAY EARLY AFTERNOON SESSIONS	1:50 - 2:10	Of Wolves and Bears: Seasonal Drivers of Interference and Exploitation Competition Between Apex Predators Barbara Zimmermann	Rooted in Predation: Wolves Influence Forests by Shaping Beaver Foraging Behavior Tom Gable	Wolf Reintroduction in Colorado: The Psychological Drivers of Stakeholder Conflict Mireille Gonzalez	Gray Wolf Pack Resiliency and Reproductive Success in Response to Legal Human-Caused Mortality Alejandra Zubiria Perez	Rehabilitation and Post-Release Monitoring of Free-Living Wolves Injured in Car Accidents and Snares Michal Figura
	2:20 - 2:40	Wolf Predation in a Multi-Prey System: Development, Validation and Application of a DNA-Based Method to Detect Prey in Wolf Scats Cecilia Di Bernardi	It's Not All about Wolves: The Complex Nature of Elk Mortality in Yellowstone Jack Rabe		Scaling Occupancy Estimates to Estimate Wolf Abundance Glenn Stauffer	Observer Reliability and Wildlife Tracking Matt Nelson
	2:50 - 3:10	Genetic Footprints from the Past: Changes in Genomic Diversity in Southern Gray Wolf Populations Isabel Salado	Localized Indirect Effects of Predation: How Wolves and Other Predators Shape Ecosystems Without Altering the Density or Behavior of Prey Sean Johnson-Bice	Behavioral Adaptations of Wolves Living in Proximity to Humans in Hungary and Slovakia: Meeting the Challenges of Human/Wolf Coexistence Krisztina Gayler	Federal Wolf Delisting Litigation - An Update Kelly Nokes	Coexistence Through a Different Lens Karin Vardaman
3:10 - 3:25 p.m.	BREAK					
ROOM	ELM CREEK	HENNEPIN I	HENNEPIN II	HENNEPIN III	ARBOR LAKES	
	WOLF ECOLOGY, BEHAVIOR AND GENETICS	WOLF ECOLOGY, BEHAVIOR AND GENETICS	EDUCATION	WOLF MANAGEMENT AND POLICY	WORLD STATUS REVIEW	
SATURDAY LATE AFTERNOON SESSIONS	3:25 - 3:45	Spatial Consequences in Cougar Diel Activity and Habitat Selection Following Wolf Recolonization in Oregon Elizabeth Orning	Movement-Based Resource Selection and Landscape Connectivity of Dispersing Eastern Wolves (<i>Canis lycaon</i>) in Central Ontario Connor Thompson	Once Upon a Time...Using Storytelling to Build Relationships and Deliver Effective Messages in Environmental Education Misi Stine	Interstate 40 as the Northern Limit of Mexican Wolf Recovery Jim Heffelfinger	Challenges with Estimating Number of Wolves Associated with a Migratory Caribou System Dean Cluff
	3:55 - 4:15	Gone Fishing: Are Freshwater Fish a More Common Prey for Wolves Than Originally Thought? Dani Freund	Effects of Intrinsic and Extrinsic Factors on Survival of Wolves in Yellowstone National Park Brenna Cassidy	The Anishinaabe (Ojibwe) and Ma'iingan (Wolf) Relationship Tanya Aldred	Wolf Management in Wyoming: Interfacing Population Dynamics and Management Decision-Making Ken Mills	Wisconsin State Wolf Program Update Randy Johnson
	4:25 - 4:45	Feeling Like a Wolf: Has Domestication Constrained the Ability of Domestic Dogs to Communicate Emotions Via Facial Expressions Compared to Their Sentient Wolf Ancestors? Elana Hobkirk	Unprompted Coyote and Gray Wolf Howling from a Fixed Location in a Forested Environment, Upper Michigan Dick Thiel		The Process of Breeding Pair Formation Leads to Assortative Mating in Red Wolves and Coyotes Joey Hinton	Identifying Potential Gray Wolf Habitat and Connectivity in the Eastern USA Merijn van den Bosch
5:30 - 6:30 p.m.	PRE-BANQUET SOCIAL HOUR with cash bar					
6:30 - 8:30 p.m.	BANQUET - LINKING RESEARCH TO POLICY AND MANAGEMENT FOR CONSERVING LARGE CARNIVORES IN INDIA Dr. Y.V. Jhala – Introduction: Grant Spickelmier Remarks: Grant Spickelmier, Presentation of the IWC VOICE FOR WOLVES AWARDS and Recognition of the L. DAVID MECH FELLOWSHIP recipients					
8:30 - 10:30 p.m.	DANCE with DJ for all symposium attendees					

SUNDAY, OCTOBER 16, 2022

6:30 a.m. - 8:00 a.m. — **BREAKFAST**

7:00 a.m. - 1:00 p.m. — Retail Sales in Northland Prefunction Area

8:00 a.m. - 12:00 p.m. — Exhibits in Northland Prefunction Area

8:00 a.m. - 12:00 p.m. — Poster Displays in Minnesota Ballroom

8:00 - 8:50 a.m. **PLENARY - STATUS OF ISLE ROYALE NATIONAL PARK WOLF REINTRODUCTIONS** Mark Romanski – Introduction: Brent Patterson

ROOM	ELM CREEK	HENNEPIN I	HENNEPIN II	HENNEPIN III	ARBOR LAKES
	WOLF MANAGEMENT AND POLICY	WOLF ECOLOGY, BEHAVIOR AND GENETICS		EDUCATION/ RECOVERY UPDATES	WOLF-HUMAN INTERACTIONS/ CONFLICT MANAGEMENT
SUNDAY MORNING SESSIONS	9:00-9:20	Wolves as a Guise to Privatize Public Wildlife Nick Gevock	Density-Dependent Changes in Wolf Predation in Northern Yellowstone National Park Are Influenced by Seasonality and Prey Demography Matt Metz	Wolf Education Outreach: Exploring Local Possibilities Suzanne Charron	Response of Ma'iinganag (Gray Wolves) to Oil Pipeline Construction on the Fond du Lac Reservation in Northeast Minnesota Mike Schrage
	9:30-9:50	Infusing the Ojibwe Relationship with Ma'iingan into Contemporary Wolf Stewardship: Lessons Learned the Hard Way Peter David	Breeding Displacement in Yellowstone Wolves: How One Event Can Shape an Ecosystem Jeremy SunderRaj	Advocacy and the Power of the Whole Story Karin Vardaman	Dancing with Wolves: A Choreographic Challenge Kent Laudon
	10:00-10:20	Fifteen Years of Wolf Hunting and Trapping in Idaho: What Do We Know? David Ausband	Tracing Eastern Wolf Origins from Whole-Genome Data in Context of Extensive Hybridization Tyler Wheeldon	Genetic Assessment of Isle Royale Wolves Sam Hervey	USDA APHIS Wildlife Services' Nonlethal Initiative: An Overview Elizabeth Miller
	10:30-10:50	Public Private Partnerships for Predator Restoration: Isle Royale National Park Phyllis Green	Mexican Wolf Pup Foster Update Regina Mossotti	Mastering Media: Lessons from Colorado's Wolf Reintroduction on Navigating Media Cassiopeia Camara	Updating Minnesota's Wolf Plan – A Framework for Guiding Wolf Stewardship in Minnesota Dan Stark

11:00-11:15 a.m. BREAK

11:15-11:30 a.m. **SYMPOSIUM EVALUATION** Grant Spickelmier

11:30 a.m. – 12:30 p.m. **CO-KEYNOTE** Dave Mech and Luigi Boitani – Introduction: Grant Spickelmier

12:30-12:45 p.m. **CLOSING REMARKS** Grant Spickelmier, Judy Hunter and Debbie Hinchcliffe

12:30-12:45 p.m. — Symposium Close

Funding for the 2022 International Wolf Symposium - Wolves in a Changing World has been provided by:

Laverne and Barb Dunsmore, Trailsendwolf, Turner Endangered Species Fund, Ann Beyer, Judy Hunter, McGinn Family, Nancy jo Tubbs, National Parks Conservation Association, Red Wolf Coalition, Rick Duncan, Denise Hughett

Board of Directors Support:

Cindy Carvelli-Yu, Rick Duncan, Debbie Hinchcliffe, Denise Hughett, Judy Hunter, Connie LaFond, Deb Lewis, Stephanie Matz, Madan Menon, Lisa McGinn, Jerry Sanders, Alice Silkey, Nancy jo Tubbs



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