



2010 Research Conference Rocky Mountain National Park

Estes Park Municipal Building, Town Board Room • 170 MacGregor Ave, Estes Park, Colorado 80517

Tuesday, March 30

Room A: Social Science

8:00-8:20		Coffee and welcome
8:20-8:40		Session introduction
8:40-9:00	Robert Brunswig	Cultural-Natural Landscapes and Ecological Patch Islands in Forest Canyon Pass, Rocky Mountain National Park
9:00-9:20	James Benedict	Bison Bones and Frozen Forests: the Ice-Patch Archives
9:20-9:40	Amanda Jeter	Change Over Time: Design Evolution of Timber Creek and Aspenglen Campgrounds
9:40-10:00	Sarah Eaton	Little Buckaroo Ranch: A Historic Barn in the Kawuneeche Valley
10:00-10:20		Break
10:20-10:40	Ruth Alexander	People and Nature on the Mountaintop: A Resource and Impact Study of Longs Peak in Rocky Mountain National Park
10:40-11:00	Cori Knudten	A Diminishing Shadow: Longs Peak and Auto Tourists in Postwar Rocky Mountain National Park
11:00-11:20	Ben Baldwin	Pathways to Parks – Creating Opportunities for the Next Generation of National Park Service Employees
11:20-11:40	Don Zimmerman	Enhancing the National Park Service Natural Resource Program Center Intranet Website
11:40-1:00		Lunch



Tuesday, March 30

Room B: Forest Health

8:00-8:20		Coffee and welcome in room A
8:20-8:40		Session introduction
8:40-9:00	Sheryl Costello	Impacts of Mountain Pine Beetle Infestation on Forested Ecosystems in the Front Range, Colorado
9:00-9:20	Jason Sibold	Disturbance and Management History Influences on Mountain Pine Beetle Outbreak Severity and Post-Outbreak Stand Development
9:20-9:40	Kellen Nelson	Mountain Pine Beetle-Related Lodgepole Pine Mortality: Multi-Scale Causes and Effects in Rocky Mountain National Park
9:40-10:00	Matthew Diskin	Forest Regeneration Trajectories in Mountain Pine Beetle-Disturbed Forests of Rocky Mountain National Park
10:00-10:20		Break
10:20-10:40	Anna Schoettle	Conserving Genetic Diversity of Limber Pine in Rocky Mountain National Park
10:40-11:00	Carissa Aoki	Serotiny in Lodgepole Pine of Rocky Mountain National Park
11:00-11:20	Peter Fleischer	Implication of Natural Disturbance Regime in the Management of the Tatra Mountains Forest
11:20-11:40		
11:40-1:00		Lunch



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Room A: Water and Air

1:00-1:20	Kathy Tonnessen	Ten Years in Ten Minutes, a Short History of the Rocky Mountains Cooperative Ecosystem Studies Unit in Cooperation with Rocky Mountain National Park
1:20-1:40	Aaron Roberts	Plankton and Planes: Pigment Control in Alpine Copepods
1:40-2:00	James McCutchan	The Rocky Mountain National Park WaterBlitz: Two Mid-summer Snapshots of Water Quality
2:00-2:20		Break
2:20-2:40	Kristin Bunte	Sampling Pools Fines: Comparison of the Percent <2 and <6 mm from Different Grid Sampling Schemes with Pebble Counts and Volumetric Samples
2:40-3:00	Christian Carrico	Annual Cycle in Atmospheric Nitrogen Species at Rocky Mountain National Park
3:00-3:20	Bill Bowman	Effects of Simulated Nitrogen Deposition on an Alpine Ecosystem in Rocky Mountain National Park
3:20-3:40	John Ray	Ozone Health Warnings and the Spatial Distribution of Ozone in the Park



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Wednesday, March 31 (11:20-2:00) Room A: Poster Session

Jill Baron	Long-term Atmospheric Deposition and Water Quality Patterns in Loch Vale Watershed
Benjamin D. Barst	Role of Carotenoids in Ameliorating PAH-Photoinduced Toxicity
Peter Fleischer	Classification of Nature Conservation Values as a Criterion for Zoning of the Tatra National Park (Slovakia)
W.R. Jacobi	Firewood as a Potential Pathway for Native or Exotic Forest Pest Species in the Southern Rocky Mountains
Jason Janke	Temperature Signature Indicators of Permafrost along Trail Ridge Road
Kristen M. Kaczynski	Willow Decline in Rocky Mountain National Park: Examining the Interactions of Drought, Ungulate Browsing, Sapsuckers, and Fungus
Stephanie Kampf	Snowmelt and Soil Moisture Distributions on Two Subalpine Hillslope Transects
Natalie Kramer	Characterizing the Valley Fill in Beaver Meadows, Rocky Mountain National Park
Kellen N. Nelson	Aspen Sucker Density and Growth Following Mountain Pine Beetle-Related Mortality in Rocky Mountain National Park
Brooke B. Osborne	A Survey of Alpine Microbial Community Response to Climate Change and Atmospheric Nitrogen Deposition
Covey Potter	Designing a Restoration Protocol for a Degraded Wetland Complex at the Headwaters of the Colorado River in Rocky Mountain National Park
Jenny Powers	Utility of Rectal Biopsy for Preclinical Diagnosis of Chronic Wasting Disease in Free-Ranging Rocky Mountain Elk
Eric Richer	Proposal for Wind Generators at the Loch Vale National Atmospheric Depositional Program Site and Andrews Creek Weather Station in Rocky Mountain National Park
Tobias Riede	Habitat Acoustics of Rocky Mountain Elk in Colorado and European Red Deer in Denmark
Brian Sanford	Implications of Hydrothermal Alteration for Landscape Stability and Environmental Geochemistry
Richard W. Scully	Inventory of <i>Potentilla rupincola</i> in Rocky Mountain National Park
Byron Straw	Assessment of Latest Glacial and Postglacial Deposits in Lake of the Clouds Cirque, Never Summer Mountains, Colorado
Nate Williamson	Impacts of Mountain Pine Beetle on Lodgepole Pine Fire Behavior, Rocky Mountain National Park



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Wednesday, March 31

Room A: Wildlife

8:00-8:20		Coffee and welcome
8:20-8:40		Session introduction
8:40-9:00	Richard Bray	Rocky Mountain Butterfly Project: The Value of Long Term Monitoring
9:00-9:20	Kristen Meyer	Assessment of the Breeding Bird Monitoring Program at Rocky Mountain National Park
9:20-9:40	Sean Maher	Does Landscape Matter to Disease Prevalence and Occurrence?
9:40-10:00	Fred & Tena Engelman	Rocky Mountain National Park Hummingbird Survey
10:00-10:20		Break
10:20-10:40	Sara J. Oyler-McCance	Investigation into Family Relationships Among Broad-tailed Hummingbirds Using Molecular Genetic Techniques
10:40-11:00	Kate Schoenecker	Developing a More Accurate Population Survey Method for Elk in Rocky Mountain National Park
11:00-11:20	Mary Kay Watry	Developing a Non-invasive Technique to Estimate Population Size of Bighorn Sheep in Rocky Mountain National Park Using Fecal-DNA
11:20-2:00		Poster session in room A



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Wednesday, March 31

Room B: Vegetation

8:00-8:20		Coffee and welcome in room A
8:20-8:40		Session introduction
8:40-9:00	Rose Banks	Invasion and Expansion of Cheatgrass (<i>Bromus tectorum</i>) in Rocky Mountain National Park
9:00-9:20	Rich Hansen	The Canada Thistle Rust Mite on Native <i>Cirsium</i> Thistles in Colorado and Wyoming
9:20-9:40	Sara Rathburn	Quantifying Fluvial Processes along Lulu Creek and the Colorado River: Planning for River Restoration in Rocky Mountain National Park
9:40-10:00	Zan Rubin	Innovative Methods to Investigate Historic Processes and Provide Context for the Restoration of Lulu City Wetland, Rocky Mountain National Park
10:00-10:20		Break
10:20-10:40	Robert Hallock	Rocky Mountain National Park Mycoblitz: an Ongoing Survey of Fungi in the Park
10:40-11:00	E. William Schweiger	The Vitals of Wetland: Bioassessment of Park-Scale Wetland Ecological Integrity in Rocky Mountain National Park
11:00-11:20	Isabel Ashton	Alpine monitoring in Rocky Mountain National Park: Trends in Plant Diversity, Soil Temperature, and Soil Chemistry Across Four Alpine Peaks
11:20-2:00		Poster session in room A



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Room A: Wildlife, cont.

2:00-2:20	Tobias Riede	Anatomy and Physiology of Elk Bugling
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2:20-2:40	Liesl Peterson Erb	Climatic Drivers of Pika Persistence in the Southern Rocky Mountains
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2:40-3:00	Rick Scherer	Status and Spatial Distribution of Amphibians in the Kawuneeche Valley
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3:00-3:20	Rick Scherer	Status of Beaver in Rocky Mountain National Park
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3:20-3:40	Ted Sedell	Predicting the Responses of Native Trout to Post-Wildfire Debris Flows in Headwater Streams
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Room B: Transportation

2:00-2:20	Peter Newman	Research to Support Implementation of Integrated Transportation Planning and User Capacity Decisions in Rocky Mountain National Park
2:20-2:40	Robert Chamberlin	Linking Transportation with Resource and Experiential Conditions at Rocky Mountain National Park
2:40-3:00	David Pettebone	Exploring Visitor Preferences for Transportation Options in Rocky Mountain National Park
3:00-3:20	Ashley D'Antonio	An Assessment of Visitor Perceptions of Recreation Resource Impacts in the Bear Lake Road Corridor of Rocky Mountain National Park
3:20-3:40	Chris Monz	Quantifying the Natural Resource Consequences of Day Use in Rocky Mountain National Park
3:40-4:00	Ken Kaliski	Modeling and Mapping Transportation-Related Noise Impacts in Protected Natural Areas
