

GENERAL SESSIONS SCHEDULE

10th Biennial Conference of Research on the Colorado Plateau

Conservation & Aquatic Systems

Date: Tuesday, October 6, 2009: AM Session
LOCATION: DOYLE
Moderator: TBD

- 8:00-8:20a DANIEL DAUWALTER, J. Sanderson, J. Williams, J. Sedell – Establishing a framework for multi-species fish conservation on mid-sized streams of the Upper Colorado River basin
- 8:20-8:40a STACEY STUMPF, S. Monroe, L. Thomas – Design and implementation of long-term monitoring of aquatic macroinvertebrates in National Parks on the Colorado Plateau
- 8:40-9:00a DALE TURNER – Priorities for biodiversity conservation in the Verde River watershed
- 9:00-9:20a MARK McKINSTRY – Recovering endangered fish in the San Juan River using adaptive management
- 9:20-9:40a SHAWN NEWELL, M. Boyle, K. English, J. Nielsen, T. Walton – Restoring rivers and building a restoration workforce: a USDI National Park Service, ecological monitoring and assessment program, and Working for Rivers partnership
- 9:40-10:00a PATRICIA WEST, S. Viglucci, D. Smith, W. Auberle – Valuing the Verde River: community input for decision-making

Vegetation Conservation

Date: Tuesday, October 6, 2009: AM Session
LOCATION: FREMONT
Moderator: TBD

- 8:00-8:20a JAMES FOLWLER, C. Hull Sieg – Population ecology of two alpine endemics: *packera franciscana* and *erigeron mancus*
- 8:20-8:40a AAMALESH DHAR, A. Worley – Status of endangered small white lady's slipper (*cypripedium candidum*) orchid in Canada and its recovery planning
- 8:40-9:00a JUDITH SPRINGER, S. Abella, T. Dekoker – A survey of monitoring and management activities for conserving rare plants in national parks and protected areas, Arizona and Nevada

- 9:00-9:20a CHRISTINE ALBANO, B. Dickson, E. Aumack – Landscape-scale predictors of cheatgrass invasion across the lower elevations of the Kaibab Plateau in Northern Arizona
- 9:20-9:40a SCOTT HOFFMAN, M. Brunson, J. Belnap – A preliminary investigation of dust production and associated vegetation impacts on the Colorado Plateau
- 9:40-10:00a SCOTT ABELLA, C. Denton – Variation in reference conditions among terrestrial ecosystem survey units on a Northern Arizona landscape

Ecology of Aquatic Systems

Date: Tuesday, October 6, 2009: AM Session
LOCATION: DOYLE
Moderator: TBD

- 10:20-10:40a MARK ANDERSON, E. Murchie, C. Hackbarth, C. Hughes – Protecting public health at Lake Powell
- 10:40-11:00a ERIN MURCHIE, S. McNaught, J. Granet, M. Anderson – Spatial distribution of *E. Coli* and environmental factors influencing its abundance in a freshwater desert beach recreational area
- 11:00-11:20a MICHELLE HAAS, M. Anderson, C. Hackbarth, C. Hughes – Preventing zebra and quagga mussels in Lake Powell
- 11:20-11:40a ANGELA MOLINE, N. L. Poff, D. Theobald – The relationship between stream-flow and aquatic insect communities in small, unregulated Colorado Plateau streams
- 11:40-12:00p BRYAN HAMILTON – Groundwater withdrawal – how will it affect small mammals?
- 12:00-12:20p ADINA MERENLENDER, M. Dietch, T.E. Grantham, S. Feirer – An integrated landscape model for upland stream-flow recovery and improved water security

Forest Ecosystem Dynamics

Date: Tuesday, October 6, 2009: AM Session
LOCATION: FREMONT
Moderator: TBD

- 10:20-10:40a DANIEL LAUGHLIN – Long-term changes in structure, composition and function in a Ponderosa Pine Forest ecosystem

- 10:40-11:00a PETER FULE, J. Korb, R. Wu – Changes in forest structure of a dry mixed conifer forest in the Southwestern Colorado, USA
- 11:00-11:20a CHRISTOPHER McGLONE, T. Kolb, C. Sieg, P. Fule, J. Belnap – The persistence of native- and cheatgrass-dominated communities in a recently invaded Ponderosa Pine Forest
- 11:20-11:40a MELISSA SAVAGE, J. Mast, J. Feddema – Post-fire recovery of Ponderosa Pine forest during drought
- 11:40-12:00p VALERIE KURTH, S. Hart, P. Fule, J. Kaye – Nitrogen dynamics along a 33-year stand-replacing wildfire chronosequence in Southwestern Ponderosa Pine Forests
- 12:00-12:20p LAUREN MORK, T. Sisk, E. Aumack, J. Heyneman – Livestock grazing following wildfire: understory community response in an upland Ponderosa Pine Forest

Large-Scale Conservation - I

Date: Tuesday, October 6, 2009: PM Session
LOCATION: REESE
Moderator: TBD

- 1:30-1:50p DONALD LIPSCOMB, R. Baldwin, J. Levine – A North American protected areas database for continental-scale conservation planning
- 1:50-2:10p ROBERT BALDWIN, D. Lipscomb – One third of North American protected areas have greater human impact inside than outside
- 2:10-2:30p MARIETTA EATON, H. Aarons – The National Landscape conservation system and collaborative concepts for the Colorado Plateau
- 2:30-2:50p WALTER FERTIG, L. Whitham – Knowing the cogs and the wheels: the utility of bio-blitzes for conservation
- 2:50-3:10p LAWRENCE STEVENS – Rare or precinctive macroinvertebrates in the Grand Canyon ecoregion, Southwestern USA
- 3:10-3:30p KAREN ROOT – A multispecies approach for conserving rare and vulnerable species across many scales in the oak openings region

Large-Scale Conservation - II

Date: Tuesday, October 6, 2009: PM Session
LOCATION: REESE
Moderator: TBD

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- 3:50-4:10p KAREN RICHARDSON – Harmonized data for North America: a tool to track change
- 4:10-4:30p DAVID DAVIDSON – A transparent, elemental, and effective procedure for the evaluation of connectivity by corridors
- 4:30-4:50p RYAN PERKL, R. Baldwin – Comparing landscape networks at the ecoregion scale: can we expect corridor “umbrellas”?

Climate Change & Its Impacts I

Date: Wednesday, October 7, 2009: AM Session
LOCATION: HUMPHREYS
Moderator: TBD

- 8:00-8:20a STEPHANIE McAFEE, J. Russell – Evaluating precipitation projections for the Southwestern United States
- 8:20-8:40a ZHUOTING WU, G. Kock, P. Dijkstral, B. Hungate – Ecosystem carbon balance under climate manipulations along an elevation gradient
- 8:40-9:00a RONALD NEILSON, S. Pitts, B. Rogers, M. McGlinchy, J. Lenihan, R. Drapek, J. Wells – Climate impacts on the Colorado Plateau (I.) A nested scale experiment
- 9:00-9:20a JOSHUA MILLER – Testing recent surficial mammalian bone assemblages as sources of high-quality historical community data: a new resource for conservation and management
- 9:20-9:40a KENNETH COLE, K. Ironside, J. Eischeld, G. Garfin, P. Duffy, C. Toney – Using past and ongoing vegetation and climate change to model the future: an example using Joshua Tree

Climate Change & Its Impacts II

Date: Wednesday, October 7, 2009: AM Session
LOCATION: HUMPHREYS
Moderator: TBD

- 10:20-10:40a JAMES CATLIN – Responding to climate change, range management that promotes resilient habitat
- 10:40-11:00a LARISSA SOMMER – Climate change impacts on rural Alaska’s natural resource harvesting practices

- 11:00-11:20a JACOB GIBSON, T. Edwards, G. Moisen – Forecasting climate-induced distribution shifts for the pinon-juniper complex of the Western U.S.
- 11:20-11:40a NICHOLE BARGER, C. Woodhouse – Impacts of changing climate on Pinyon Pine (*Pinus Edulis*) growth in Southwestern Utah

Ecology of Mammals and Birds

Date: Wednesday, October 7, 2009: PM Session

LOCATION: FREMONT

Moderator: TBD

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- 3:50-4:10p ELLEN CHENG, L. Scott Mills, K. Hodges - Spatial synchrony in snowshoe hares: patterns, processes, and who cares?
- 4:10-4:30p ELISABETH MERING, C. Chambers - Bat activity increases during summer in Ponderosa Pine Forests in Northern Arizona
- 4:30-4:50p KATIE STUMPF – Predicting the probability of predation of parasitism on passerine nests in riparian habitats: a literature review
- 4:50-5:10p KENNETH ETZEL, T. Theimer, M. Johnson – Potential impact of an exotic species on the nesting diet of common black hawks (*Buteogallus anthracinus*) in the Verde River drainage, Central, Arizona
- 5:10-5:30p SARA BOMBACI, J. Korb – The effects of sudden aspen decline on avian biodiversity in Southwest Colorado
- 5:30-5:50p EBEN PAXTON, M. Sogge, T. Theimer, P. Keim – Where should we place the Northern boundary of the Southwestern willow flycatcher

Collaborative Management & Natural Systems I

Date: Thursday, October 8, 2009: AM Session

LOCATION: FREMONT

Moderator: TBD

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- 8:00-8:20a AVI HENN, D. Ostergren – San Juan River basin river, stream and riparian restoration projects database
- 8:20-8:40a TOSHA COMENDANT, J. Strittholt, B. Ward, P. Frost – Data basin: expanding access to conservation data, tools, and people
- 8:40-9:00a CHRISTOPHER HOLCOMB – Co-management of North Rim Forests across a jurisdictional boundary: a case study

- 9:00-9:20a JILL RUNDALL, T. Sisk, E. Nielsen, B. Dickson, S. Sesnie, A. Leonard, B. Higgins, C. Minor – Kaibab Forest health focus – supporting collaborative decision making on ecological restoration and land management at multiple scales
- 9:20-9:40a YEON-SU KIM – The role of regional economics in restoring the Southwestern Ponderosa Pine ecosystems
- 9:40-10:00a DENVER HOSPODARSKY, M. Lee – A social marketing approach to managing resource theft at Petrified Forest National Park

Collaborative Management & Natural Systems II

Date: Thursday, October 8, 2009: AM Session
LOCATION: FREMONT
Moderator: TBD

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- 10:20-10:40a KAREN FULLEN – NCRS' cooperative conservation efforts for Utah prairie dog: a network for conservation on private lands
- 10:40-11:00a JOSE BERNAL-STOOPEN, J. Packard, R. Reading – Binational collaboration in endangered species recovery: a framework for consensus analysis
- 11:00-11:20a MELANIE LAWRENCE – In search of socio-ecological resilience: the importance of adaptively managing USFS grazing lands in the Southwest
- 11:20-11:40a CARRIE CULTRA, T. Sisk, D. Widmark, N. Wallen – collaborative land management and the monitoring of Southwest rangelands
- 11:40-12:00p THOMAS SISK – When collaboration fails: observations regarding the necessary components and fatal flaws of collaborative approaches to natural resource management
- 12:00-12:20p JACQUELINE VAUGHN, H. Cortner – Political lessons learned from wildfires: the case of San Diego County