

# Talks and Posters Presented at the 17th Wildland Shrub Symposium, May 22–24, 2012, Las Cruces, NM

Abstracts of the talks and posters presented at the 17th Wildland Shrub Symposium are available at <http://dx.doi.org/10.2111/RANGELANDS-D-13-00041.s1>.

## Talks Presented at the 17th Wildland Shrub Symposium

First Author	Title
Barron-Gafford, G., et al.	Antecedent biotic and abiotic conditions as drivers of carbon fluxes in semiarid shrublands
Bhaskar, M., et al.	Spatial distribution of soil respiration across the sagebrush ecosystem
Brown, J.	Ecological sites within the Land Resource Hierarchy
Cleary, M. B., et al.	Testing the drivers of and relationships between three scales of diurnal, seasonal, and successional carbon fluxes in sagebrush steppe
Cockman, J., et al.	Modified land health standards for mine dumps and tailing: A model for success standards at San Xavier Mission Mine
Coffman, J., et al.	Breeding bird community responses to grassland restoration practices in the Chihuahuan Desert
East, F., et al.	Developing spatially explicit biodiversity metrics in support of CEAP: A focus on wildlife
Hamerlynck, E., et al.	A summary of Lehmann lovegrass effects on ecosystem water and carbon dioxide exchange
Havstad, K. M., et al.	Rangeland livestock production in a world with less grass
Hawley, J. W.	The Desert Soil Geomorphology Project, 1957 to present
Jingfeng, X.	Carbon fluxes in shrublands: A perspective from FLUXNET observations and up-scaling
Kay, C. E., et al.	Pinyon-juniper communities in southwestern Utah 1872-2008: A study in repeat photography
Kitchen, S. G.	Living with cheatgrass
Klass, J. R., et al.	Nematodes as an indicator of plant-soil interactions associated with desertification
MacLeod, N., et al.	Rangeland restoration treatments—asymmetry in ecological and economic thresholds: A case study examining tree thickening in Queensland, Australia

MacLeod, N., et al.	Valuing and rewarding the provision of ecosystem services from rangelands
Mayagoitia-González, P., et al.	Intake of honey mesquite ( <i>Prosopis glandulosa</i> ) leaves by lambs using different levels of activated charcoal
Mitchell, S. L., et al.	Nutritional dynamics of four browse species preferred by white-tailed deer in the rolling plains of Texas during a severe short term drought
Munson, S. M., et al.	Plant responses to climate in the Chihuahuan Desert: A long-term, cross-site perspective
Nichols, M.	Very high resolution photography in rangeland research and management
Nyachoti, S., et al.	Determining sources of pedogenic carbonates in agricultural soils of Hueco Basin (El Paso region) with U-series isotopes
Parry, S., et al.	Impermanence factors and rangeland management in the desert southwest
Parry, S., et al.	Environmental paradigms and impermanence perceptions
Pendall, E., et al.	Resilience of sagebrush steppe C pools during succession following prescribed burning
Richarte, L., et al.	Seasonal effects of fire and clipping on purple threeawn ( <i>Aristida purpurea</i> ) mortality and change in basal area
Shuguang, L., et al.	Estimation of shrubland carbon dynamics in the western United States from 1992 to 2050
Svejcar, L., et al.	A test of catastrophic transition mechanisms in the Chihuahuan Desert grassland
Torell, L. A.	Ecosystem services: Implications for economic assessments of range improvements
Unc, A., et al.	Microorganisms along the soil-plant continuum; opportunities and challenges
Utsumi, S. A., et al.	Terpene profile of one-seed juniper saplings explains differential herbivory by small ruminants
Villalobos, C., et al.	Effects of biosolids application on animal performance and tissue trace elements in west Texas
Villalobos, C., et al.	Effects of season of burning on forage quality and productivity in the Chihuahuan Desert
Vivoni, E., et al.	Advances in watershed characterization using sensor networks and unmanned aerial vehicle products in a mixed shrubland
Xian, G., et al.	Effects of land cover and regional climate variations on long-term change in sagebrush ecosystems

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First Author	Title
Anderson, C. A., et al.	Characterization of shrubland-atmosphere interactions through use of the eddy covariance method and distributed footprint sampling

Avery, M., et al.	Factors impacting pronghorn in the Chihuahuan Desert of White Sands Missile Range, south-central New Mexico
Burkett, L. M., et al.	Pedoderm and pattern classes
Burnett, S.	Modeling erosion with AGWA: Variations of input precision and scale
Burnham, J., et al.	Effects of Tebuthiuron and Imazapic on sagebrush and herbaceous understory
Calderón-Domínguez, P.	Prescribed burn and moon phases as rangeland restoration treatments: Efforts in the use of fire in the rangelands of northern Mexico.
Cosentino, B. J., et al.	Response of a keystone rodent to landscape-scale restoration of desert grasslands
DeMarco, J., et al.	Plant soil feedbacks with changing vegetation structure and composition in a warming Arctic
Domínguez, H., et al.	Cultivation of Sotol
Fenchel, G., et al.	Deep planting of longstem native riparian shrubs
Figuroa, J., et al.	Forage production and quality of six grass species in Salaíces, Chihuahua
Fisk, M., et al.	Post-fire native seeding strategies: Results from a Wyoming big sagebrush site in northern Nevada
Gonzalez, A., et al.	Applying animal behavior to arid rangeland management
Goolsby, D., et al.	Heterogeneity of bunchgrass seedling occurrence and cover increase
Ladwig, L. M., et al.	Die-back and initial regrowth of <i>Larrea tridentata</i> following a natural extreme cold event
Landeen, M. L., et al.	Estimating age of mountain big sagebrush ( <i>Artemisia tridentata</i> ssp. <i>vaseyana</i> ) using morphological characteristics
Lucero, M. L., et al.	Exploring cross scale interactions within and beyond microbiomes to advance understanding of plant adaptation
Martin, J., et al.	Gypsum ecological site descriptions on White Sands Missile Range
NRCS-N.M., et al.	Ecological site and state-and-transition model development
Pendleton, R., et al.	Germination patterns for a suite of semi-arid grassland forbs
Rachal, D., et al.	Tracing the lateral movement of sediments through a shrubland environment using fallout radionuclides, Jornada Basin, southern New Mexico
Richardson, K., et al.	Monitoring success of post-wildfire seeding for re-vegetation and prevention of cheatgrass establishment
Ruiz-Font, A., et al.	Isolation and characterization of desert quenopod-associated bacteria and their potential for plant growth promotion
Ruiz-Font, A., et al.	Salinity and temperature effects on the germination of dimorphic seeds of <i>Suaeda mexicana</i>
Shahriari, E.	Changes in landscape function along a grazing gradient

Serrano, P.	Net primary production on rangelands in Chihuahua, Mexico
Schmalz, J., et al.	Comparative vegetation survey of active-, abandoned-, and non-burrow sites of the pygmy rabbit in northeastern Utah
Schwab-Uchanski, L., et al.	Influence of cross-species endophyte inoculation on black grama grass establishment and reproductive potential
Sedillo, R. L., et al.	The relationship between endophyte density and biomass in aseptically micropropagated native grass seedlings
Seeley, R. W., et al.	Using tracking tubes and footprint identification to characterize small mammal communities in Chihuahuan Desert grassland communities: an alternative to live-trapping
Vásquez-Montes, S., et al.	Nutritional quality of native forage shrubs of south central Chihuahua, Mexico
Wuenschel, A., et al.	Shrub patterns among ecological sites in sage-grouse nesting habitat
Yao, J., et al.	Seasonal distribution of net primary production in Chihuahuan Desert shrublands and grasslands in response to precipitation from 1990–2010