

NATURAL RESOURCE ECOLOGY & MANAGEMENT DEPARTMENT

REFEREED JOURNAL PUBLICATIONS - 2010

--Bold denotes NREM faculty member

--Asterisk denotes post-doc, graduate student or NREM support staff as senior author

2010 (Total - 53)

Allen, K.P., **R.D. Elmore**, **J.R. Weir** and S.R. Lancaster. 2010. Assessment of 4-H Range Management Programs in the United States. *Rangelands* 32: 32-36.

Allred, B.W., **S.D. Fuhlendorf**, T.A. Monaco, and **R.E. Will**. 2010. What advantages does the invasive *Lespedeza cuneata* have? *Biological Invasions* 12: 739-749.

Barrett, D.A., and **D.M. Leslie, Jr.** 2010. Contemporary distributions of northern river otters in Oklahoma, with seven new county records. *Occasional Papers of the Museum of Texas Tech University* 294: 1-13.

Bell, L.A., **S.D. Fuhlendorf**, M.A. Patten, D.H. Wolfe, and S.K. Sherrod. 2010. Lesser prairie-chicken hen and brood habitat use on sand shinnery oak. *Rangeland Ecology & Management* 63: 478-486.

Bendevis, M.E., **M.K. Owens**, J.L. Heilman, and K.J. McInnes. 2010. Seasonal and whole-canopy partitioning of gas exchange in a semi-arid woodland. *Ecohydrology* 3: 107-115.

Bodine, K.A.*, and **D.E. Shoup**. 2010. Capture efficiency of blue catfish electrofishing and the effects of temperature, habitat, and reservoir location on electrofishing-derived length structure indices and relative abundance. *North American Journal of Fisheries Management* 30: 613-621.

Burton, J.A.*, **S.W. Hallgren**, and M.W. Palmer. 2010. Fire frequency affects structure and composition of xeric forests of eastern Oklahoma. *Natural Areas Journal* 30: 370-379.

Candan, Z., **S. Hiziroglu**, and A. McDonald. 2010. Surface quality of thermally compressed douglas fir veneer. *Materials and Design* 31: 3574-3577.

Carter, M.W.*, J.M. Dettmers, D.H. Wahl, and **D.E. Shoup**. 2010. Effects of turbidity and cover on prey selectivity of adult smallmouth bass. *Transactions of the American Fisheries Society* 139: 353-361.

Chaudhary, V.B., L.L. Walters, J.D. Bever, J.D. Hoeksema, and **G.W.T. Wilson**. 2010. Advancing synthetic ecology: a data management technique to facilitate complex ecological meta-analyses. *Bulletin of the Ecological Society of America*. 91: 235-243.

- Criffield, M.A., E.C. Hellgren, and **D.M. Leslie, Jr.** 2010. Density estimation and survey validation for swift fox *Vulpes velox* in Oklahoma. *Acta Theriologica* 55: 53–60.
- Davis, C.A., D.M. Leslie, Jr.,** W.D. Walter, and A.E. Graber. 2010. Mountain biking trail use affects reproductive success of nesting golden-cheeked warblers. *Wilson Journal of Ornithology* 122: 465-474.
- DeSantis, R.D.*, **S.W. Hallgren,** and D.W. Stahle. 2010. Fire regime of an oak forest in south-central North America. *Fire Ecology* 6: 45-61.
- DeSantis, R.D.*, **S.W. Hallgren,** M.W. Palmer, **T.B. Lynch,** and J.A. Burton. 2010. Long-term directional changes in the upland oak forests of Oklahoma, USA. *Journal of Vegetation Science* 21: 606-615.
- Echelle, A.E., J.C. Hackler, J.B. Lack, S.R. Ballard, J. Roman, S.F. Fox, **D.M. Leslie, Jr.,** and R.A. Van Den Bussche. 2010. Conservation genetics of the alligator snapping turtle: cytonuclear evidence of range-wide bottleneck effects and unusually pronounced geographic structure. *Conservation Genetics* 11: 1375–1387.
- Fuhlendorf, S.D.,** D.W. Townsend II, **R.D. Elmore,** and **D.M. Engle.** 2010. Pyric herbivory to promote rangeland heterogeneity: Evidence from small mammal communities. *Rangeland Ecology and Management* 63: 670-678.
- Harmony, K.R., P. Stahlman, P. Geier, and **K.R. Hickman.** 2010. Rate and timing of glyphosate application to control Caucasian Old World bluestem (*Bothriochloa bladhii*). *Invasive Plant Science and Management* 3: 310-314.
- Hashim, R., N. Saari, O. Sulaiman, T. Sugimoto, **S. Hiziroglu,** M. Sato, and R. Tanaka. 2010. Effect of particle geometry on the properties of binderless particleboard manufactured from oil palm trunk. *Materials and Design* 31: 4251-4257.
- Hoeksema J.D., V.B. Chaudhary, C.A. Gehring, N.C. Johnson, J. Karst, R.T. Koide, A. Pringle, C. Zabinski, J.D. Bever, J.C. Moore, **G.W.T. Wilson,** J.N. Klironomos, and J. Umbanhowar. 2010. Context-dependency in plant response to mycorrhizal fungi: A meta-analysis. *Ecology Letters* 13: 394-407.
- Johnson, M.S., C.A. McFarland, M.A. Bazar, M.J. Quinn, Jr., E.M. LaFiandra, and **L.G. Talent.** 2010. Toxicity of octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX) in three vertebrate species. *Archives of Environmental Contamination and Toxicology* 58: 836-843.
- Johnson, N.C., **G.W.T. Wilson,** M.A. Bowker, J.A. Wilson, and R.M. Miller. 2010. Resource limitation as a driver of local adaptation in mycorrhizal symbioses. *Proceedings of the National Academy of Sciences* 107: 2093-2098.

- Katsalirou E., S. Deng, D.L. Nofziger, A. Gerakis, and **S.D. Fuhlendorf**. 2010. Spatial structure of microbial biomass and activity in prairie soil ecosystems. *European Journal of Soil Biology* 46: 181-189.
- Korkut, S., S. Karayilmazlar, **S. Hiziroglu**, and T. Sanli. 2010. Some of the properties of heat treated sessile oak. *Forest Products Journal* 60 (5): 473-480.
- Leslie, D.M., Jr.** 2010. *Przewalskium albirostre* (Artiodactyla: Cervidae). *Mammalian Species* 42 (849): 7–18.
- Leslie, D.M., Jr.** 2010. *Procapra picticaudata* (Artiodactyla: Bovidae). *Mammalian Species* 42 (861): 138–148.
- Leslie, D.M., Jr.**, C.P. Groves, and A.V. Abramov. 2010. *Procapra przewalskii* (Artiodactyla: Bovidae). *Mammalian Species* 42 (860): 124–137.
- Limb, R.F.*, **D.M. Engle**, **S.D. Fuhlendorf**, D.P. Althoff, and P.S. Gipson. 2010. Altered herbivore distribution associated with focal disturbance. *Rangeland Ecology & Management* 63: 253-257.
- Limb, R.F.*, **D.M. Engle**, **T.G. Bidwell**, D.P. Althoff, A.B. Anderson, P.S. Gipson, and H.R. Howard. 2010. Restoring biopedturbation in grasslands with anthropogenic focal disturbance. *Plant Ecology* 210: 331-342.
- Limb, R.F.*, **D.M. Engle**, A.L. Alford, and E.C. Hellgren. 2010. Tallgrass prairie plant community dynamics along a canopy cover gradient of eastern redcedar (*Juniperus virginiana* L.). *Rangeland Ecology & Management* 63: 638-644.
- Long, J.M.** and D.R. Stewart. 2010. Verification of otolith identity used by fisheries scientists for aging channel catfish. *Transactions of the American Fisheries Society* 139: 1775-1779.
- Long, J.M.** 2010. Inventory of fishes at a small national park in North Carolina: Guilford Courthouse National Military Park. *Journal of the North Carolina Academy of Science* 126: 77-83.
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- Moore, G.W., D.A. Barre, and **M.K. Owens**. 2010. Changes in soil chloride following shrub removal and subsequent regrowth. *Geoderma* 158: 148-155.
- Morton, L.W., E. Regen, **D.M. Engle**, J.R. Miller, and R.N. Harr. 2010. Perceptions of landowners concerning conservation, grazing, fire, and eastern redcedar management in tallgrass prairie. *Rangeland Ecology & Management* 63: 645-654.
- Negus, L.P., **C.A. Davis**, and S.E. Wessel. 2010. Avian response to mid-contract management of Conservation Reserve Program fields. *American Midland Naturalist* 164: 296-310.
- Piorkowski, M.D.*, and **T.J. O'Connell**. 2010. Estimates of bat and bird mortality from collisions with wind turbines in mixed-grass prairie. *American Midland Naturalist* 164: 260-269.
- Reid, A.M., **S.D. Fuhlendorf**, and **J.R. Weir**. 2010. Weather variables affecting Oklahoma wildfires. *Rangeland Ecology and Management* 63: 599-603.
- Royer P.D., D.D. Breshears, **C.B. Zou**, N.S. Cobb, and S.A. Kurc. 2010. Ecohydrological energy inputs in semiarid coniferous gradients: Responses to management and drought-induced tree reductions. *Forest Ecology and Management* 260: 1646-1655.
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- Shaw, J.H.** 2010. Eternal grasslands, shifting paradigms (Combined Review of 4 books on Grasslands). *Conservation Biology* 24(6): 1692-1693.
- Stewart, J.F.*, C.D. Nelson and **C.G. Tauer**. 2010. Microsatellite versus AFLP analyses of pre-management introgression levels in loblolly pine (*Pinus taeda* L.) and shortleaf pine (*P. echinata* Mill.). *Tree Genetics & Genomes* 6: 853-862.
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- van Els, P.*, **R.E. Will**, M. W. Palmer and **K.R. Hickman**. 2010. Changes in forest understory associated with *Juniperus virginiana* L. encroachment: the importance of litter. *Applied Vegetation Science* 13: 356-368.
- Villegas J.C., D.D. Breshears, **C.B. Zou**, and P.D. Royer. 2010. Seasonally-pulsed heterogeneity in microclimate: phenology and cover effects along deciduous grassland-forest continuum. *Vadose Zone Journal* 9: 537-547.
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