

NATURAL RESOURCE ECOLOGY & MANAGEMENT DEPARTMENT
REFEREED JOURNAL PUBLICATIONS - 2012

--Bold denotes NREM faculty member

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

2012 (Total - 67)

Albanese, G.*, **C.A. Davis**, and B.W. Compton. 2012. Spatiotemporal scaling of North American continental interior wetlands: implications for shorebird conservation. *Landscape Ecology* 27: 1465-1479.

Alford, A.L.*, E.C. Hellgren, R. Limb, and **D.M. Engle**. 2012. Experimental tree removal in tallgrass prairie: variable responses of flora and fauna along a woody cover gradient. *Ecological Applications* 22: 947-958.

Allen, K.P. and **R.D. Elmore**. 2012. The effects of the Wildlife Habitat Evaluation Program on targeted life skills. *Journal of Extension* 50(1):1RIB9

Allred, B.W.*, **S.D. Fuhlendorf**, F.E. Smeins, and C.A. Taylor. 2012. Herbivore species and grazing intensity regulate community composition and an encroaching woody plant in semi-arid rangeland. *Basic and Applied Ecology* 13: 149-158

Barrett, D.A., and **D.M. Leslie, Jr.** 2012. Spatio-temporal variations in age structures of a partially re-established population of northern river otters (*Lontra canadensis*). *American Midland Naturalist* 168: 302–314.

Barstow, A.L., and **D.M. Leslie, Jr.** 2012. *Leopardus braccatus* (Carnivora: Felidae). *Mammalian Species* 44(891): 16–25.

Boyd, C., S. Peterson, W. Gilgert, R. Rodgers, **S. Fuhlendorf**, R. Larson, D. Wolfe, K.C. Jensen, P. Gonzales, M. Nenneman, R. Danvir, D. Dahlgren, and T. Messmer. 2012. Looking toward a brighter future for lekking grouse. *Rangelands* 33: 2-11.

Buyuksari, U., **S. Hiziroglu**, H.A Kkilic, and N. Ayrimis. 2012. Mechanical and physical properties of medium density fiberboard panels laminated with thermally compressed veneer. *Composite Part-B*. 43: 110-114.

Chen S.J., C. Chen, **C.B. Zou**, E. Stebler, S.X. Zhang, L. Hou, and D. Wang. 2012. Application of Gash analytical model and parameterized Fan model to estimate canopy interception of a Chinese red pine forest. *Journal of Forest Research*. 10.1007/s10310-012-0364-z

Damron, W., and **M. Beem**. 2012. Aquaculture. Pages 491-521 *in* Damron, W.S., editor. Introduction to Animal Science: Global, Biological, Social and Industry Perspectives, 5th ed. Prentice Hall.

Dilik, T., and **S. Hiziroglu**. 2012. Bonding Strength of Heat Treated Compressed Eastern Redcedar Wood. *Materials and Design* 42: 317-320.

Dvoretz, D.*, J. Bidwell, **C. Davis**, and C. DuBois. 2012. Developing a hydrogeomorphic wetland inventory: reclassifying national wetlands inventory polygons in geographic information systems. *Wetlands* 32: 83-93.

Field J.P., D.D. Breshears, J.J. Whicker, and **C.B. Zou**. 2012. Sediment capture by vegetation patches: Implications for desertification and increased resource redistribution. *Journal of Geophysical Research-Biogeosciences*. DOI:10.1029/2011jg001663

Fuhlendorf, S.D., D.M. Engle, R.D. Elmore, R.F. Limb, and **T.G. Bidwell**. 2012. Conservation of Pattern and Process: Developing an Alternative Paradigm of Rangeland Management. *Rangeland Ecology and Management* 65: 579-589.

Gatlin, M.R.*, **Shoup, D.E.**, and **Long J.M.** 2012. Invasive zebra mussels (*Dreissena polymorpha*) and Asian clams (*Corbicula fluminea*) survive gut passage of migratory fish species: implications for dispersal. *Biological Invasions*. DOI 10.1007/s10530-012-0372-0.

Guthery, F.S., and J. Shaw. 2012. Density-dependence: Applications in wildlife management. *Journal of Wildlife Management*. DOI:10.1002/jwmg.450.

Hallgren, S.W., DeSantis, R.D., and Burton, J.A. 2012. Fire and vegetation dynamics in the Cross Timbers forests of south-central North America. Pages 52-66 *in* Dey, D.C., Stambaugh, M.C., Clark, S.L., and Schweitzer, C.J. (eds.) Proceeding of the 4th Fire in Oak Forests Conference. US Forest Service, Northern Research Station. Gen. Tech. Report NRS-P-102.

Harmony, K.R., and **K.R. Hickman**. 2012. Comparing morphological development and nutritive value of Caucasian old world bluestem and native grasses. *Forage and Grazinglands* 10. doi:10.1094/FG-2012-0127-01-RS.

Hashim, R., W.N. Aidawati Wan Nadhari, O. Sulaiman, M. Sato, **S. Hiziroglu**, F. Kawamura, T.G. Seng, T. Sugimoto, T.G. Seng, and R. Tanaka. 2012. Properties of binderless particleboard panels manufactured from oil palm biomass. *Bioresources* 7(1): 1352-1365.

Hiziroglu, S. 2012. Some properties of Sandwich type composites panels manufactured from Eastern redcedar. *Composites Part-B*. 3288-3292

Hovick, T.J.*, J.R. Miller, S.J. Dinsmore, **D.M. Engle**, D.M. Debinski, and **S.D. Fuhlendorf**. 2012. Effects of fire and grazing on grasshopper sparrow nest survival. *Journal of Wildlife Management* 76: 19-27.

- Jarusombuti, S., P. Bauchongkol, **S. Hiziroglu**, and V. Fuengvivat. 2012. Properties of rubberwood medium density fiberboard (MDF) bonded with starch and urea formaldehyde. *Forest Products Journal* 62: 58-62.
- Kasemsiri, P., **S. Hiziroglu**, and S. Rimdusit. 2012. Characterization of heat treated eastern redcedar (*Juniperus virginiana* L.). *Journal of Material Processing Technology* 212 (6): 1324-1330.
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- Lilly, C.G.*, **R.E. Will**, C.G. Tauer, J.M. Guldin, and M. Spetich. 2012. Factors affecting the sprouting of shortleaf pine rootstock following prescribed fire. *Forest Ecology and Management* 265: 13-19.
- Long, J.M.**, N.P. Nibbelink, K.T. McAbee, and J.W. Stahli. 2012. Assessment of freshwater fish assemblages and their habitats in the National Park Service system of the southeastern United States. *Fisheries* 37: 212-225.
- Long, J.M.**, R.G. Hyler, and W.L. Fisher. 2012. Response by anglers to a differential harvest regulation on three black bass species at Skiatook Lake, Oklahoma. *Proceedings of the Oklahoma Academy of Science* 92: 9-20.
- Lynch, T.B.**, Budhathoki, C. and R.F. Wittwer. 2012. Relationships between height, diameter and crown for eastern cottonwood (*Populus deloides*) in a Great Plains riparian ecosystem. *Western Journal of Applied Forestry* 27 (4): 176-186.
- Lynch, T.B.** 2012. A mirage boundary correction method for distance sampling. *Canadian Journal of Forestry Research* 42 (2): 272-278.
- Lynch, T.B.** 2012. On moments of inertia for logs and tree segments. *Forest Science* 58(4): 399-404.
- Maggard, A.O.*, **R.E. Will**, **T.C. Hennessey**, **C.R. McKinley** and J.C. Cole. 2012. Tree-based mulches influence soil properties and plant growth. *HortTechnology* 22 (3): 353-361.

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McFarland, C.A., **L.G. Talent**, M.J. Quinn Jr., M.A. Bazar, M.S. Wilbanks, M. Nisanian, R.M. Gogal Jr., M.S. Johnson, E.J. Perkins, and K.A. Gust. 2012. Multiple environmental stressors elicit complex interactive effects in the western fence lizard (*Sceloporus occidentalis*). *Ecotoxicology* 21: 2372–2390.

McGranahan, D.A.*, **D.M. Engle, S.D. Fuhlendorf**, J.R. Miller, and D.M. Debinski. 2012. An invasive cool-season grass complicates prescribed fire management in a native warm-season grassland. *Natural Areas Journal* 32: 208-214.

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McGranahan, D.A.*, **D.M. Engle**, B.J. Wilsey, **S.D. Fuhlendorf**, J.R. Miller, and D.M. Debinski. 2012. Grazing and an invasive grass confound spatial pattern of exotic and native grassland plant species richness. *Basic and Applied Ecology* 13:654–662.

McKinley, C.R. 2012. How water is used in trees and Christmas tree fire safety. *Christmas Trees* 39: 16-17.

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Miller, J.R., L.W. Morton, **D.M. Engle**, D.M. Debinski, and R.N. Harr. 2012. Nature reserves as catalysts for landscape change. *Frontiers in Ecology and the Environment* 10: 144-152.

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Moranz, R., D. Debinski, D. McGranahan, **D. Engle**, and J. Miller. 2012. Untangling the effects of fire, grazing, and land-use legacies on grassland butterfly communities. *Biodiversity and Conservation* 21: 2719-2746.

Ozcan, S., A. Ozcifci, **S. Hiziroglu**, and H. Toker. 2012. Effect of heat treatment and surface roughness on bonding strength. *Construction and Building Materials* 33: 7-13.

- Ozgenç, O., **S. Hiziroglu**, and U. Yildiz. 2012. Weathering properties of wood species treated with different coating applications. *Bioresources* 7 (4): 4875- 4888.
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- Reinhart, K., **G.W.T. Wilson**, and M. Rinella. 2012. Predicting plant responses to mycorrhizae: Integrating evolutionary history and plant traits. *Ecology Letters* 15: 689-695.
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- Royer P.D., D.D. Breshears, **C.B. Zou**, J.C. Villegas, N.S. Cobb, and S.A. Kurc. 2012. Density-dependent ecohydrological effects of Pinion–Juniper woody canopy cover on soil microclimate and potential soil evaporation. *Rangeland Ecology and Management* 65: 11-20.
- Salca, E., and **S. Hiziroglu**. 2012. Analysis of surface roughness of black alder as function of various processing parameters. *Pro Ligno Journal* 8 (2): 68-79.
- Salim, N., R. Hashim, O. Sulaiman, M. Ibrahim, M. Sato, and **S. Hiziroglu**. 2012. Optimum manufacturing parameters for compressed lumber from oil palm (*Elaeis guineensis*) trunks. *Repond Surface Approach Composites Part-B* 43 (3): 988-996.
- Scasta, J.D.*, **D.M. Engle**, J.L. Talley, **J.R. Weir**, J.C. Stansberry, **S.D. Fuhlendorf**, and R.N. Harr. 2012. Pyric-herbivory to manage horn flies (Diptera: Muscidae) on cattle. *Southwestern Entomologist* 37: 325-334.
- Shoup, D.E.**, Nannini, M.A., and Wahl, D.H. 2012. The effect of vegetation density on juvenile bluegill diet and growth in the absence of fish predators. *Journal of Freshwater Ecology* 27: 199-209.
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West, A.*, **R.E. Will**, E. Lorenzi, and **F.S. Guthery**. 2012. Establishing Chickasaw Plum for Wildlife in Northwestern Oklahoma. *Wildlife Society Bulletin* 36:94-99.

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