

NATURAL RESOURCE ECOLOGY & MANAGEMENT DEPARTMENT

REFEREED JOURNAL PUBLICATIONS - 2007

--Bold denotes NREM faculty member

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

2007 (Total - 47)

Boyer, T.*, and **K.R. Hickman**. 2007. Predicting first semester agricultural college student's college performance. *NACTA* 51: 50-55.

Coppedge, B.R., D.M. Engle, and **S.D Fuhlendorf**. 2007. Markov models of land cover dynamics in a southern Great Plains grassland region. *Landscape Ecology* 22:1383-1393.

Cummings, D.C., **S.D. Fuhlendorf**, and D.M. Engle. 2007. Is altering grazing selectivity of invasive forage species with patch burning more effective than herbicide applications? *Rangeland Ecology and Management* 60: 253-260.

Dauwalter, D.C.*, D.K. Splinter, **W.L. Fisher**, and R.A. Marston. 2007. Geomorphology and stream habitat relationships with smallmouth bass abundance at multiple spatial scales in eastern Oklahoma. *Canadian Journal of Fisheries and Aquatic Sciences* 64: 1116-1129.

Dauwalter, D.C.*, and **W.L. Fisher**. 2007. Spawning chronology, nest site selection, and nest success of smallmouth bass during benign streamflow conditions. *American Midland Naturalist* 158: 60-78.

Dauwalter, D.C.*, and **W.L. Fisher**. 2007. Electrofishing capture probability of smallmouth bass in streams. *North American Journal of Fisheries Management* 27:162-171.

Dilik, T., Dundar, T., A. Kurtoglu, and **S. Hizioglu**. 2007. Effect of adhesive types on some of properties of laminated window profiles. *Journal of Materials Processing Technology* 189: 320-324.

Dunford, N., **S. Hizioglu**, and R. Holcomb. 2007. Effect of age on the distribution of oil in eastern redcedar tree segments. *Bioresource Technology* 98 (14): 2636-2640.

Elmore, R.D., T.A. Messmer, and M.W. Brunson. 2007. Perceptions of wildlife damage and species conservation: lessons learned from the Utah prairie dog. *Journal of Human Wildlife Conflicts* 1: 78-88.

Elmore, R.D., F.J. Vilella, and P. Gerard. 2007. Landscape correlates along mourning dove call-count routes in Mississippi. *Journal of Wildlife Management* 71:422-427.

Fore, J.D.*, D.C. Dauwalter, and **W.L. Fisher**. 2007. Microhabitat use by smallmouth bass in an Ozark stream. *Journal of Freshwater Ecology* 22: 189-199.

Guthery, F. S. 2007. Bobwhite management on small properties. *Quail Forever* 2(3): 12–15.

Guthery, F.S. 2007. Deductive and inductive methods of accumulating reliable knowledge in wildlife science. *Journal of Wildlife Management* 71: 222–225.

Guthery, F.S., and R. L. Bingham. 2007. A primer on interpreting regression models. *Journal of Wildlife Management* 71: 684–692.

Hackler, J.C.* , R.A. Van Den Bussche, and **D.M. Leslie, Jr.** 2007. Characterization of microsatellite DNA markers for the alligator snapping turtle, *Macrochelys temminckii*. *Molecular Ecology Notes* 7: 474–476.

Harmony, K.R.* , P.W. Stahlman, and **K.R. Hickman**. 2007. Suppression of Caucasian Old World Bluestem by Split Application of Herbicides. *Journal of Weed Technology* 21: 573-577.

Hartzell, D.* , J.R. Bidwell, and **C.A. Davis**. 2007. A comparison of natural and created depressional wetlands in central Oklahoma using metrics from indices of biological integrity. *Wetlands* 27: 794-805.

Hellgren, E.C., S.L. Bales, **M.S. Gregory, D.M. Leslie, Jr.** and J.D. Clark. 2007. Testing a Mahalanobis distance model of black bear habitat use in the Ouachita Mountains of Oklahoma. *Journal of Wildlife Management* 71 (3): 924-928.

Hickman, K.R., and J.D. Derner. 2007. Vegetation change after cessation of herbicide application in Blackland Tallgrass Prairie. *Rangeland Ecology and Management* 60: 186-190.

Hiers, J.K., J.J. O'Brien, **R.E. Will**, and R.J. Mitchell. 2007. Forest floor depth mediates understory vigor in xeric *Pinus palustris* ecosystems. *Ecological Applications* 17: 806-814.

Hiller, T.L.* , **F.S. Guthery**, A R. Rybak, **S.D. Fuhlendorf**, S.G. Smith, W.H. Puckett, Jr., and R.A. Baker. 2007. Management implications of cover selection data: northern bobwhite example. *Journal of Wildlife Management* 71: 195–201.

Hiziroglu, S., and S. Zarate. 2007. Mechanical properties and surface characteristics of Colombian wood composites. *Journal of Composite Materials* 41 (18): 2225-2234.

Hiziroglu, S., P. Bauchongkol, V. Fueangvivat, W. Soontonbura, and S. Jarusombuti. 2007. Selected properties of medium density fiberboard (MDF) panels made from bamboo and rice straw. *Forest Products Journal* 57 (6): 46-50.

Hiziroglu, S. 2007. Some of the properties of three-layer particleboard panels made from underutilized species in Oklahoma. *Journal of Composite Materials* 41 (4): 467-476.

Hiziroglu, S., and S. Suzuki. 2007. Evaluation of surface roughness of commercially manufactured particleboard and medium density fiberboard in Japan. *Journal of Materials Processing Technology* 184: 436-440.

Houlahan, J.E., K. Cottenie, G.S. Cumming, D.J. Currie, S.K.M. Ernest, C.S. Findlay, **S.D. Fuhlendorf**, U. Gaedke, P. Legendre, J.J. Magnuson, B.H. McArdle, E.H. Muldavin, D. Noble, R. Russell, R.D. Stevens, T.J. Willis, I.P. Woiwod, and S.M. Wondzell. 2007. A test of the 'neutral model' assumption of zero-sum communities. *Proceedings of the National Academy of Sciences* 104: 3273-3277.

Jonas, J.L., **G.W.T. Wilson**, P.M. White, Jr., and A. Joern. 2007. Consumption of mycorrhizal and saprophytic fungi by Collembola in grassland soils. *Soil Biology and Biochemistry*. 39: 2594-2602.

Kumar, P.*, **S.W. Hallgren**, D.E. Enstone, and C.A. Peterson. 2007. Root anatomy of *Pinus taeda* L.: seasonal and environmental effects on development in seedlings. *Trees* 21: 693-706.

Leslie, D.M., Jr. 2007. A shifting mosaic of scholarly publishing, scientific delivery, and future impact changing the face of learned societies. *Journal of Mammalogy* 88: 275–286.

Leslie, D.M., Jr., and M.J. Hamilton. 2007. A plea for a common citation format in scientific serials. *Serials Review* 33: 1–3.

Limb, R.F.*, **K.R. Hickman**, J. Norland, T.G. Bidwell, D.M. Engle, and A. Alford. 2007. Digital photography: reduced investigator variation in visual obstruction measurements for southern Tallgrass Prairie. *Rangeland Ecology and Management* 60: 548-552.

Lincoln, M.C.*, **R.E. Will**, L.A. Morris, E.A. Carter, D. Markewitz, J.R. Britt, B. Cazell, and V. Ford. 2007. Soil change and loblolly pine (*Pinus taeda*) seedling growth following site preparation tillage in the Upper Coastal Plain of the southeastern United States. *Forest Ecology and Management* 242: 558-568.

Lusk, J.J.*, **F.S. Guthery**, M.J. Peterson, and S.J. DeMaso. 2007. Evidence for regionally synchronized cycles in Texas quail population dynamics. *Journal of Wildlife Management* 71: 837–843.

Lynch, T.B., R.F. Wittwer, D.J. Stevenson, and M.M. Huebschmann. 2007. A maximum size-density relationship between Lorey's mean height and trees per hectare. *Forest Science* 53(4): 478-485.

Nemli, G., **S. Hiziroglu.**, H. Serin, K.C. Akyuz., I. Akyuz., and D. Toksoy. 2007. A perspective from furniture and cabinet manufacturers in Turkey. *Journal of Building and Environment* 42 (4): 1699-1706.

O'Connell, T.J. 2007. Sub-sampling data from the North American Breeding Bird Survey for application to the Bird Community Index, an indicator of ecological condition. *Ecological Indicators* 7: 679-691.

Ozdemir, T., and **S. Hiziroglu.** 2007. Evaluation of surface quality and adhesion strength of treated solid wood. *Journal of Materials Processing Technology* 186: 311-314.

Perry, R.W.*, R.E. Thill, and **D.M. Leslie, Jr.** 2007. Selection of roosting habitat by forest bats in a diverse forested landscape. *Forest Ecology and Management* 238:156-166.

Shoup, D.E., S.P. Callahan, D.H. Wahl, and C.L. Pierce. 2007. Growth of bluegill, largemouth bass, and channel catfish in relation to prey availability and limnological variables in Illinois reservoirs. *Journal of Fish Biology* 70: 21-34.

Talent, L.G. 2007. Impaired terrestrial and arboreal locomotor performance in the western fence lizard (*Sceloporus occidentalis*) after exposure to an AChE-inhibiting pesticide. *Environmental Pollution* 149 (1): 18-24.

Talent, L.G. 2007. Energy acquisition and allocation in an ectothermic predator exposed to a common environmental stressor. *Comparative Biochemistry and Physiology, Part C: Toxicology and Pharmacology* 145 (3): 442-448.

Talent, L.G. 2007. Assessment of lead uptake in reptilian prey species. *Chemosphere* 68: 1591-1596.

Tauer, C.G. 2007. Performance of a wide-ranging collection of black locust seed sources in western Oklahoma. *Tree Planters Notes* 52 (1): 26-30.

Townsend, D.E., S.S. Ditchkoff and **S.D. Fuhlendorf.** 2007. Species-specific transmitter height influences error of ground-based radio-telemetry. *Wildlife Biology* 13 (1): 98-101.

Utrup, J.S.*, and **C.A. Davis.** 2007. Grassland birds in restored grasslands of the Rainwater Basin Region in Nebraska. *Great Plains Research* 17: 203-213.

Wechsler, A., and **S. Hiziroglu.** 2007. Some of the properties of wood-plastic composites. *Journal of Building and Environment* 42 (7): 2637-2644.

Wu, Y.Q., Y. Huang, D. Porter, **C.G. Tauer,** and L. Hollaway. 2007. Identification of a major quantitative trait locus conditioning resistance to Greenbug biotype E in sorghum PI 550610 using simple sequence repeat markers. *Journal of Economic Entomology* 100 (5): 1672-1678.