

Bibliography - Designing Bioenergy Landscapes for Wildlife

H.I. Jager for project “Forecasting Water Quality and Biodiversity”

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- Anderson-Teixeira, K. J., B. D. Duval, S. P. Long, and E. H. DeLucia. 2012. Biofuels on the landscape: Is "land sharing" preferable to "land sparing"? *Ecological Applications* 22(8):2035-2048.
- Babbitt, K. J., M. J. Baber, D. L. Childers, and D. Hocking. 2009. Influence of agricultural upland habitat type on larval anuran assemblages in seasonally inundated wetlands. *Wetlands* 29(1):294-301.
- Balas, C. J., N. H. Euliss, and D. M. Mushet. 2012. Influence of Conservation Programs on Amphibians using Seasonal Wetlands in the Prairie Pothole Region. *Wetlands* 32(2):333-345.
- Balmford, A., R. Green, and B. Phalan. 2012. What conservationists need to know about farming. *Proceedings of the Royal Society B-Biological Sciences* 279(1739):2714-2724.
- Baudron, F., and K. E. Giller. 2014. Agriculture and nature: Trouble and strife? *Biological Conservation* 170:232-245.
- Best, L. B. 1986. Conservation tillage: Ecological traps for nesting birds. *Wildlife Society Bulletin* 14(3):308-317.
- Best, L. B., and L. D. Murray. 2004. Bird responses to harvesting switchgrass fields for biomass. Pages 224-235 *in* J. Rahm, editor. *Transactions of the Sixty-Ninth North American Wildlife and Natural Resources Conference*, volume 69.
- Birrell, S. J., D. L. Karlen, and A. Wirt. 2014. Development of Sustainable Corn Stover Harvest Strategies for Cellulosic Ethanol Production. *Bioenergy Research* 7(2):509-516.
- Bourke, D., and coauthors. 2014. Response of farmland biodiversity to the introduction of bioenergy crops: effects of local factors and surrounding landscape context. *Global Change Biology Bioenergy* 6(3):275-289.
- Butsic, V., V. C. Radeloff, T. Kuemmerle, and A. M. Pidgeon. 2012. Analytical Solutions to Trade-Offs between Size of Protected Areas and Land-Use Intensity. *Conservation Biology* 26(5):883-893.
- Callesen, I., P. E. Grohnheit, and H. Ostergard. 2010. Optimization of bioenergy yield from cultivated land in Denmark. *Biomass & Bioenergy* 34(9):1348-1362.
- Cosentino, B. J., R. L. Schooley, and C. A. Phillips. 2011. Connectivity of agroecosystems: dispersal costs can vary among crops. *Landscape Ecology* 26(3):371-379.
- Dale, B. E., B. D. Bals, S. Kim, and P. Eranki. 2010. Biofuels Done Right: Land Efficient Animal Feeds Enable Large Environmental and Energy Benefits. *Environmental Science & Technology* 44(22):8385-8389.
- Eggers, J., and coauthors. 2009. Is biofuel policy harming biodiversity in Europe? *Global Change Biology Bioenergy* 1(1):18-34.
- Evans, S. G., L. C. Kelley, and M. D. Potts. 2014. The potential impact of second-generation biofuel landscapes on at-risk species in the US. *Global Change Biology: Bioenergy* doi: 10.1111/gcbb.12131.
- Fahrig, L. 2013. Rethinking patch size and isolation effects: the habitat amount hypothesis. *Journal of Biogeography* 40(9):1649-1663.
- Fargione, J. E., and coauthors. 2009. Bioenergy and Wildlife: Threats and Opportunities for Grassland Conservation. *Bioscience* 59(9):767-777.
- Green, R. E., S. J. Cornell, J. P. W. Scharlemann, and A. Balmford. 2005. Farming and the fate of wild nature. *Science* 307(5709):550-555.
- Heaton, E. A., and coauthors. 2013. Managing a second-generation crop portfolio through sustainable intensification: Examples from the USA and the EU. *Biofuels Bioproducts & Biorefining-Biofpr* 7(6):702-714.
- Hedin, J., G. Isacson, M. Jonsell, and A. Komonen. 2008. Forest fuel piles as ecological traps for saproxylic beetles in oak. *Scandinavian Journal of Forest Research* 23(4):348-357.
- Howe, H. F. 1994. Managing species diversity in tallgrass prairie- assumptions and implications. *Conservation Biology* 8(3):691-704.
- Knutson, M. G., and coauthors. 2004. Agricultural ponds support amphibian populations. *Ecological Applications* 14(3):669-684.

- Lautenbach, S., M. Volk, M. Strauch, G. Whittaker, and R. Seppelt. 2013. Optimization-based trade-off analysis of biodiesel crop production for managing an agricultural catchment. *Environmental Modelling & Software* 48:98-112.
- Lindenmayer, D. B., and S. A. Cunningham. 2013. Six principles for managing forests as ecologically sustainable ecosystems. *Landscape Ecology* 28(6):1099-1110.
- Londo, M., J. Dekker, and W. ter Keurs. 2005. Willow short-rotation coppice for energy and breeding birds: an exploration of potentials in relation to management. *Biomass & Bioenergy* 28(3):281-293.
- Macchi, L., H. R. Grau, P. V. Zelaya, and S. Marinaro. 2013. Trade-offs between land use intensity and avian biodiversity in the dry Chaco of Argentina: A tale of two gradients. *Agriculture Ecosystems & Environment* 174:11-20.
- Maskell, L. C., and coauthors. 2013. Exploring the ecological constraints to multiple ecosystem service delivery and biodiversity. *Journal of Applied Ecology* 50(3):561-571.
- McGuire, B., and S. Rupp. 2013. Perennial Herbaceous Biomass Production and Harvest in the Prairie Pothole Region of the Northern Great Plains: Best Management Guidelines to Achieve Sustainability of Wildlife Resources. National Wildlife Federation.
- Murray, L. D., L. B. Best, T. J. Jacobsen, and M. L. Braster. 2003. Potential effects on grassland birds of converting marginal cropland to switchgrass biomass production. *Biomass & Bioenergy* 25(2):167-175.
- Mushet, D. M., N. H. Euliss, and C. A. Stockwell. 2012. Mapping anuran habitat suitability to estimate effects of grassland and wetland conservation programs. *Copeia* (2):321-330.
- Otis, D. L., and coauthors. 2013. Predicted Effect of Landscape Position on Wildlife Habitat Value of Conservation Reserve Enhancement Program Wetlands in a Tile-drained Agricultural Region. *Restoration Ecology* 21(2):276-284.
- Phalan, B., R. Green, and A. Balmford. 2014. Closing yield gaps: perils and possibilities for biodiversity conservation. *Philosophical Transactions of the Royal Society B-Biological Sciences* 369(1639).
- Phalan, B., M. Onial, A. Balmford, and R. E. Green. 2011. Reconciling Food Production and Biodiversity Conservation: Land Sharing and Land Sparing Compared. *Science* 333(6047):1289-1291.
- Rahmig, C. J., W. E. Jensen, and K. A. With. 2009. Grassland Bird Responses to Land Management in the Largest Remaining Tallgrass Prairie. *Conservation Biology* 23(2):420-432.
- Rashford, B. S., J. A. Walker, and C. T. Bastian. 2011. Economics of Grassland Conversion to Cropland in the Prairie Pothole Region. *Conservation Biology* 25(2):276-284.
- Riffell, S., J. Verschuyl, D. Miller, and T. B. Wigley. 2011. Biofuel harvests, coarse woody debris, and biodiversity - A meta-analysis. *Forest Ecology and Management* 261(4):878-887.
- Roth, A. M., and coauthors. 2005. Grassland bird response to harvesting switchgrass as a biomass energy crop. *Biomass & Bioenergy* 28(5):490-498.
- Schweizer, P. E., and H. I. Jager. 2011. Modeling Regional Variation in Riverine Fish Biodiversity in the Arkansas-White-Red River Basin. *Transactions of the American Fisheries Society* 140(5):1227-1239.
- Stanley, D. A., and J. C. Stout. 2013. Quantifying the impacts of bioenergy crops on pollinating insect abundance and diversity: a field-scale evaluation reveals taxon-specific responses. *Journal of Applied Ecology* 50(2):335-344.
- Stoms, D. M., F. W. Davis, M. W. Jenner, T. M. Nogeire, and S. R. Kaffka. 2012. Modeling wildlife and other trade-offs with biofuel crop production. *Global Change Biology Bioenergy* 4(3):330-341.
- Trauth, J. B., S. E. Trauth, and R. L. Johnson. 2006. Best management practices and drought combine to silence the Illinois chorus frog in Arkansas. *Wildlife Society Bulletin* 34(2):514-518.
- Troupin, D., and Y. Carmel. 2014. Can agro-ecosystems efficiently complement protected area networks? *Biological Conservation* 169:158-166.
- Verschuyl, J., S. Riffell, D. Miller, and T. B. Wigley. 2011. Biodiversity response to intensive biomass production from forest thinning in North American forests - A meta-analysis. *Forest Ecology and Management* 261(2):221-232.
- Victorsson, J., and M. Jonsell. 2013. Ecological traps and habitat loss, stump extraction and its effects on saproxylic beetles. *Forest Ecology and Management* 290:22-29.
- Waddle, J. H., B. M. Glorioso, and S. P. Faulkner. 2013. A Quantitative Assessment of the Conservation Benefits of the Wetlands Reserve Program to Amphibians. *Restoration Ecology* 21(2):200-206.
- Werling, B. P., T. D. Meehan, C. Gratton, and D. A. Landis. 2011. Influence of habitat and landscape perenniality on insect natural enemies in three candidate biofuel crops. *Biological Control* 59(2):304-312.