

Selected Research Publications for Karen D. Holl – updated July 2010

Holl, K. D. R. A. Zahawi, R. J. Cole, R. Ostertag, and S. Cordell. In press. Planting seedlings in tree islands versus plantations as a large-scale tropical forest restoration strategy. *Restoration Ecology*.

Celentano, D., R. A. Zahawi, B. Finegan, R. Ostertag, R. J. Cole, and K. D. Holl. In press. Litterfall dynamics under different tropical forest restoration strategies. *Biotropica*.

McClain, C. D., K. D. Holl, and D. M. Wood. In press. Successional models as guides for restoration of riparian forest understory. *Restoration Ecology*.

Bonilla-Moheno, M. and K. D. Holl. In press. Direct seeding to restore tropical mature-forest species in areas of slash-and-burn agriculture. *Restoration Ecology*.

Holl, K.D., Aide, T.M., In press. When and where to actively restore ecosystems? *Forest Ecology and Management*.

Cole, R.J., Keene, C., Zahawi, R.A., Holl, K.D., in press. Direct seeding of late successional trees to restore tropical montane forest. *Forest Ecology and Management*.

DeClerck, F.A.J., Chazdon, R., Holl, K.D., Milder, J.C., Finegan, B., Martinez-Salinas, A., Imbach, P., Canet, L., Ramos, Z., Inpress. Biodiversity conservation in human-modified landscapes of Mesoamerica: Past, present and future. *Biological Conservation*.

Holl, K. D. 2010. Writing for an international audience. *Restoration Ecology*

Cole, R.J., Holl, K.D., Zahawi, R.A., 2010. Seed rain under tree islands planted to restore degraded lands in a tropical agricultural landscape. *Ecological Applications* 20: 1255-1269.

Sady, G. C., K. D. Holl, R. J. Cole, R. A. Zahawi. 2010. Germination and survival of tree seeds in a tropical montane forest restoration study (Costa Rica). *Ecological Restoration* 28: 121-124.

Zahawi, R.A., Holl, K.D., 2010. Bridging the gap between scientific research and tropical forest restoration: a multifaceted research, conservation, education, and outreach program in southern Costa Rica. *Ecological Restoration* 28: 143-146.

Morrison, E. B., C. A. Lindell, K. D. Holl and R. A. Zahawi. 2010. Patch size effects on avian foraging behaviour: implications for tropical forest restoration design. *Journal of Applied Ecology* 47: 130–138

Zahawi, R. A. and K. D. Holl. 2009. Comparing the performance of tree stakes and seedlings to restore abandoned tropical pastures. *Restoration Ecology* 16: 854-864.

Fink, R. A., C. A. Lindell, E. B. Morrison, R. A. Zahawi, and K. D. Holl. 2009. Patch size and tree species influence the number and duration of bird visits in forest restoration plots in southern Costa Rica. *Restoration Ecology* 16: 479-486.

[Vieira](#), D.L.M., K.D. Holl, and F.M. Peneireiro. 2009. Agro-successional restoration as a strategy to facilitate tropical forest recovery. *Restoration Ecology* 17: 451-459.

Buisson, E., S. Anderson, K. D. Holl, E. Corcket, G. F. Hayes, A. Peteers, and T. Dutoit. 2008. Effect of seed source, topsoil removal, and plant neighbour removal on restoring California coastal prairies. *Applied Vegetation Science* 11: 195-204.

Rein, F.A., M. Los Huertos, K.D. Holl, and J.H. Langenheim. 2007. Restoring native grasses as vegetative buffers in a coastal California agricultural landscape. *Madroño* 54:249-257.

Vasey, M. C., K.D. Holl. 2007. Ecological restoration in California: Challenges and prospects. *Madroño* 54: 215-224.

Holl, K.D. Oldfield vegetation succession in the neotropics. 2007. Pages 93-117 in V.A Cramer and R.J. Hobbs (eds). *Old fields*. Island Press: Washington, DC.

Holl, K.D., L. Pejchar, and S.G. Whisenant. Overcoming physical and biological obstacles to restore natural capital. 2007. Pages 249-255 in J. Aronson, S.J. Milton, and J.N. Blignaut (eds). *Restoring Natural Capital*. Island Press: Washington, DC.

Sampaio, A.B., K.D. Holl, and A. Scariot. 2007. Regeneration of seasonal deciduous forest tree species in long-used pastures in Central Brazil. *Biotropica* 39: 655-659

Sampaio, A.B., K.D. Holl, and A. Scariot. 2007. Does restoration enhance regeneration of seasonal deciduous forests in pastures in central Brazil? *Restoration Ecology* 15:462-471.

Satterthwaite W.H., K.D. Holl, G.F. Hayes, and A.L. Barber. 2007. Seed banks in plant conservation: Case study of Santa Cruz tarplant restoration. *Biological Conservation* 135: 57-66.

Buisson, E., K.D. Holl, S. Anderson, E. Corcket, G.F. Hayes, A. Peteers, and T. Dutoit. 2007. Effect of seed source, topsoil removal, and plant neighbor removal on restoring California coastal prairies. *Restoration Ecology* 14: 569-577.

Vieira, D.L.M., A. Scariot, and K.D. Holl. 2006. Effects of habitat, cattle grazing and selective logging on seedling survival and growth in dry forest of Central Brazil. *Biotropica* 39: 269-274.

Fox, L.R., H.N. Steele, K.D. Holl and M.H. Fusari. 2006. Contrasting demographics and persistence of rare annual plants in highly variable environments. *Plant Ecology* 183: 157-170.

[Holl, K. D. and G. F. Hayes.](#) 2006. Challenges to introducing and managing disturbance regimes for *Holocarpha macradenia*, an endangered annual grassland forb. *Conservation Biology* 20: 1121-1131.

Vieira, D. L. M., A. Scariot, A. B. Sampaio, and K. D. Holl. 2006. Tropical dry-forest regeneration from root suckers in Central Brazil. *Journal of Tropical Ecology* 22:353-357.

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[Holl, K. D. and E. E. Crone.](#) 2004. Local vs. landscape factors affecting restoration of riparian understory plants. *Journal of Applied Ecology* 41:922-933.

[Hayes, G. F. and K. D. Holl.](#) 2003. Site-specific responses of native and exotic species to clipping frequency, litter accumulation and soil disturbance in a mesic grassland community. *Applied Vegetation Science* 6: 235-244.

[Hayes, G. F. and K. D. Holl.](#) 2003. Cattle grazing impacts on vegetation composition and structure of mesic grasslands in California. *Conservation Biology* 17: 1694-1702.

[Holl, K. D., E. E. Crone, and C. B. Schultz.](#) 2003. Landscape restoration: moving from generalities to methodologies. *BioScience* 53: 491-502.

[Holl, K. D.](#) 2002. The effect of coal surface mine revegetation practices on long-term vegetation recovery. *Journal of Applied Ecology* 39: 960-970.

[Holl, K. D.](#) 2002. Effect of shrubs on tree seedling establishment in abandoned tropical pasture. *Journal of Ecology* 90:179-187.

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Holl, K. D., M. E. Loik, E. H. V. Lin, and I. A. Samuels. 2000. Restoration of tropical rain forest in abandoned pastures in Costa Rica: overcoming barriers to dispersal and establishment. Restoration Ecology 8: 339-349.

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Loik, M. E. and K. D. Holl. 1999. Photosynthetic responses of light for rain forest seedlings planted to restore abandoned pasture, Costa Rica. Restoration Ecology 7:253-261.

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