

## University of Idaho-CATIE IGERT Project Publications

- Belant, J.L., J. Schipper, and J. Conroy. 2009. The conservation status of small carnivores in the Americas. *Small Carnivore Conservation* 41: 3-8.
- Dahlquist, R.M., M.P. Whelan, L. Winowiecki, B. Polidoro, S. Candela, C.A. Harvey, J.D. Wulforth, P.A. McDaniel, and N.A. Bosque-Pérez. 2007. Incorporating livelihoods in biodiversity conservation: a case study of cacao agroforestry systems in Talamanca, Costa Rica. *Biodiversity and Conservation* 16: 2311-2333.
- Donovan, S., C. Looney, T. Hanson, Y. Sánchez de León, J.D. Wulforth, S.D. Eigenbrode, M. Jennings, J. Johnson-Maynard, and N.A. Bosque-Pérez. 2009. Reconciling social and biological needs in an endangered ecosystem: the Palouse as a model for bioregional planning. *Ecology and Society* 14 (1): 9. [online] URL: <http://www.ecologyandsociety.org/vol14/iss1/art9/>
- Eigenbrode, S.D., M. O'Rourke, J.D. Wulforth, D.M. Althoff, C.S. Goldberg, K. Merrill, W. Morse, M. Nielsen-Pincus, J. Stephens, L. Winowiecki, and N.A. Bosque-Pérez. 2007. Employing philosophical dialogue in collaborative science. *BioScience* 57: 55-64.
- Goldberg, C.S. and L.P. Waits. 2009. Using habitat models to identify conservation priorities for pond-breeding amphibians in a privately owned landscape. *Biological Conservation* 142: 1096-1104.
- Goldberg, C.S., T.J. Hawley, and L.P. Waits. 2009. Local and regional patterns of amphibian chytrid prevalence on the Osa Peninsula, Costa Rica. *Herpetological Review* 40: 309-311.
- Goldberg, C.S. and L.P. Waits. 2009. Quantification and reduction of bias from sampling larvae to infer population and landscape genetic structure. *Molecular Ecology Resources* DOI: 10.1111/j.1755-0998.2009.02755.x
- González-Maya, J.F. and J. Schipper. 2008. A high elevation report of *Oncilla* in Mesoamerica. *Cat News* 49: 33.
- González-Maya, J.F., J. Schipper, and A. Benítez. 2009. Activity patterns and community ecology of small carnivores in the Talamanca Region, Costa Rica. *Small Carnivore Conservation* 41: 9-14.
- González-Maya, J.F., J. Schipper, and K. Rojas-Jiménez. 2009. Elevational distribution and abundance of Baird's Tapir (*Tapirus bairdii*) in different protected areas in the Talamanca Region of Costa Rica. *Tapir Conservation* 18/1(25): 29-35.

- Hanson, T. 2006. To predate or depredate: what's the word? *Bulletin of the Ecological Society of America* 87: 128-131.
- Hanson, T. 2006. First observations of incubation behavior for the Stripe-breasted wren (*Thryothorus thoracius*). *Ornitologia Neotropical* 17: 453-456.
- Hanson, T. 2007. Consumption of *Carapa guianensis* bark by *Cebus capucinus* in La Reserva Biologica Indio-Maiz, Nicaragua. *Neotropical Primates* 14: 85-87.
- Hanson, T. 2008. First observation of duetting in the Olive-backed Euphonia (*Euphonia gouldi*). *Wilson Journal of Ornithology* 120: 200-201.
- Hanson, T., S. Brunsfeld, and B. Finegan. 2006. Variation in seedling density and seed predation indicators for the emergent tree *Dipteryx panamensis* in continuous and fragmented rainforest. *Biotropica* 38: 770-774.
- Hanson, T., Brunsfeld, S., Finegan, B. and L. Waits. 2007. Conventional and genetic measures of seed dispersal for *Dipteryx panamensis* (Fabaceae) in continuous and fragmented Costa Rican rainforest. *Journal of Tropical Ecology* 23: 635-642.
- Hanson, T.R., S.J. Brunsfeld, B. Finegan, and L.P. Waits. 2008. Characterization of microsatellite primers for the almendro (*Dipteryx panamensis*), a tetraploid rainforest tree. *Molecular Ecology Resources* 8: 425-427.
- Hanson, T.R, S.J. Brunsfeld, B. Finegan, and L.P. Waits. 2008. Pollen dispersal and genetic structure of the tropical tree *Dipteryx panamensis* in a fragmented landscape. *Molecular Ecology* 17: 2060-2073.
- Hanson, T., Y. Sanchez-de Leon, J. Johnson-Maynard, and S. Brunsfeld. 2008. The influence of soil and site characteristics on Palouse prairie plant communities. *Western North American Naturalist* 68: 231-240.
- Hanson, T., T.M., Brooks, G.A.B. da Fonseca, M. Hoffman, J.F. Lamoreaux, G. Machlis, C.G. Mittermeier, R.A. Mittermeier, J.D. Pilgrim 2009. Warfare in biodiversity hotspots. *Conservation Biology* 23: 578-587.
- Hatten, T.D., N.A. Bosque-Pérez, J. Johnson-Maynard, and S.D. Eigenbrode. 2007. Tillage differentially affects the capture rate of pitfall traps for three species of carabid beetles. *Entomologia Experimentalis et Applicata* 124: 177-187.

- Hatten, T.D., N.A. Bosque-Pérez, J.R. LaBonte, S.O. Guy, and S.D. Eigenbrode. 2007. Effects of tillage on the activity-density and diversity of carabid beetles in spring and winter crops. *Environmental Entomology* 36: 356-368.
- Looney, C., B.T. Caldwell, and S.D. Eigenbrode. 2009. When the prairie varies: the importance of site characteristics for strategising insect conservation. *Insect Conservation and Diversity* 2: 243-250.
- Lorion, C.M. and B.P. Kennedy. 2009a. Relationships between deforestation, riparian forest buffers, and benthic macroinvertebrates in neotropical headwater streams. *Freshwater Biology* 54: 165-180.
- Lorion, C.M. and B.P. Kennedy. 2009b. Riparian forest buffers mitigate the effects of deforestation on fish assemblages in tropical headwater streams. *Ecological Applications* 19: 468-479.
- Morse, W., M. Nielsen-Pincus, J.E. Force, and J.D. Wulffhorst. 2007. Bridges and barriers to developing and conducting integrated team research: Lessons learned from an NSF IGERT experience. *Ecology and Society* 12: 8 [online] URL: <http://www.ecologyandsociety.org/vol12/iss2/art8/>
- Morse, W.C., J.L. Schedlbauer, S.E. Sesnie, B. Finegan, C.A. Harvey, S. Hollenhorst, D. Stoian, and J. Wulffhorst. 2009. Consequences of environmental service payments for forest retention and recruitment in a Costa Rican Biological Corridor. *Ecology and Society* 14(1): 23. [online] URL: <http://www.ecologyandsociety.org/vol14/iss1/art23/>
- Nielsen-Pincus, M. 2009. Mapping a values typology in three counties of the Interior Northwest, USA: Scale, geographic associations among values, and the use of intensity weights. *Society and Natural Resources* DOI: 10.1080/08941-920-9031-4097-2.
- Nielsen-Pincus, M., C.S. Goldberg, Pocewicz, A., J.E. Force, L.P. Waits, P. Morgan, and L. Vierling. 2009. Predicted effects of residential development on a northern Idaho landscape under alternative growth management and land protection policies. *Landscape and Urban Planning* DOI:10.1016/j.landurbplan.2009.10.011
- Nielsen-Pincus, M., T. Hall, J.E. Force, and J.D. Wulffhorst. 2009. Socio-demographic effects on place bonding. *Journal of Environmental Psychology*. In press.
- Nowell, K., J. Schipper, and M. Hoffmann. 2007. Re-evaluation of the Felidae for the 2008 IUCN Red List. *Cat News* 47: 5.

- Pocewicz, A., P. Morgan, and K. Kavanagh. 2007. The effects of adjacent land use on nitrogen dynamics at forest edges in northern Idaho. *Ecosystems* 10: 226-238.
- Pocewicz, A., M. Nielsen-Pincus, C.S. Goldberg, M.H. Johnson, P. Morgan, J.E. Force, L.P. Waits, and L. Vierling. 2007. Predicting land use change: comparison of models based on landowner surveys and historical land cover trends. *Landscape Ecology* 23: 195-210.
- Pocewicz, A., P. Morgan, and S.D. Eigenbrode. 2009. Local and landscape effects on butterfly density in northern Idaho grasslands and forests. *Journal of Insect Conservation* 13(6): 593-601.
- Polidoro, B.A., M.J. Morra, C. Rueper, and L.E. Castillo. 2009. Pesticide sequestration in passive samplers (SPMDs): Considerations for deployment time, biofouling, and stream flow in a tropical watershed. *Journal of Environmental Monitoring* 11: 1866 - 1874.
- Polidoro, B.A., R.M. Dahlquist, L.E Castillo, M.J. Morra, E. Somarriba, and N.A. Bosque-Pérez. 2008. Pesticide application practices, pest knowledge, and cost-benefits of plantain production in the BriBri-Cabécar Indigenous Territories, Costa Rica. *Environmental Research* 108: 98-106.
- Polidoro, B., L. Winowiecki, J. Johnson-Maynard, P.A. McDaniel, and M. Morra. 2008. Suelos del valle y del piedmonte en Talamanca: un paisaje dinámico para el almacenamiento de carbono. (Valley and piedmont soils of Talamanca: a dynamic landscape for carbon sequestration) *Agroforestería en las Américas*. 46: 40-44.
- Rodrigues, A.S.L., S.J. Andelman, M.I. Bakarr, L. Boitani, T.M. Brooks, R.M. Cowling, L.D.C. Fishpool, G.A.B. Fonseca, K.J. Gaston, M. Hoffman, J. Long, P.A. Marquet, J.D. Pilgrim, R.L. Pressey, J. Schipper, W. Sechrest, S.N. Stuart, L.G. Underhill, R.W. Waller, M.E.J. Watts, Y. Xie. 2004. Global gap analysis - priority regions for expanding the global protected area network. *BioScience* 54 (12).
- Rodrigues, A.S.L., S.J. Andelman, M.I. Bakarr, L. Boitani, T.M. Brooks, R.M. Cowling, L.D.C. Fishpool, G.A.B. Fonseca, K.J. Gaston, M. Hoffman, J. Long, P.A. Marquet, J.D. Pilgrim, R.L. Pressey, J. Schipper, W. Sechrest, S.N. Stuart, L.G. Underhill, R.W. Waller, M.E.J. Watts, Y. Xie. 2004. Effectiveness of the global protected area network in representing species diversity. *Nature* 428(8): 640-643.
- Sánchez-de-León, Y., E. De Melo, G. Soto, J. Johnson-Maynard, and J. Lugo-Pérez. 2006. Earthworm populations, microbial biomass and coffee

- production in different experimental agroforestry management systems in Costa Rica. *Caribbean Journal of Science* 42: 397-409.
- Sánchez-de-León, Y. and J. Johnson-Maynard. 2008. Dominance of an invasive earthworm in native and non-native grassland ecosystems. *Biological Invasions*. DOI 10.1007/s10530-008-9347-6.
- Schedlbauer, J.L., B. Finegan, and K.L. Kavanagh. 2007. Rainforest structure at forest - pasture edges in northeastern Costa Rica. *Biotropica* 39: 578-584.
- Schedlbauer, J.L. and K.L. Kavanagh. 2008.  $\delta^{13}\text{C}$  in *Pentaclethra macroloba* trees growing at forest edges in north-eastern Costa Rica. *Journal of Tropical Ecology* 24: 49-56.
- Schedlbauer, J.L. and K.L. Kavanagh. 2007. Soil carbon dynamics in a chronosequence of secondary forests in northeastern Costa Rica. *Forest Ecology and Management* 255: 1326-1335.
- Schipper, J. 2007. Camera-trap avoidance by Kinkajous *Potos flavus*: rethinking the "non-invasive" paradigm. *Small Carnivore Conservation* 36: 38-41.
- Schipper, J., et al. 2008. The status of the World's land and marine mammals: Diversity, threat, and knowledge. *Science* 322: 225-230.
- Schipper, J., M. Hoffmann, J.W. Duckworth, and J. Conroy. 2008. The 2008 IUCN red listings of the world's small carnivores. *Small Carnivore Conservation* 39: 29-34.
- Schipper, J. 2009. Nuevas herramientas para la investigación y conservación de la vida silvestre/New tools for wildlife research and conservation. *Boletín Aluna* 2(2): 1-5.
- Schipper, J., E. Eizirik, K.M. Helgen, J.F. González-Maya, M.Tsuchiya-Jerep, and J.L. Belant. 2009. Small carnivores in the Americas: reflections, future research and conservation priorities. *Small Carnivore Conservation* 41:1-2.
- Sesnie, S.E., P.E. Gessler, B. Finegan, and S. Thessler. 2008. Integrating Landsat TM and SRTM-DEM derived variables with decision trees for habitat classification and change detection in complex neotropical environments. *Remote Sensing of Environment* 112: 2145–2159.
- Sesnie, S.E., B. Finegan, P.E. Gessler, and Z. Ramos. 2009. Landscape-scale environmental and floristic variation in Costa Rican old-growth rain forest remnants. *Biotropica* 41(1): 16–26.

- Sesnie, S.E., B. Finegan, P.E. Gessler, S. Thessler, and A.M.S. Smith. 2009. The multispectral separability of Costa Rican rain forest types with support vector machines and random forest decision trees. *International Journal of Remote Sensing*. In press.
- Sherich, K., A. Pocewicz, and P. Morgan. 2007. Canopy characteristics and growth rates of ponderosa pine and Douglas-fir at long-established forest edges. *Canadian Journal of Forest Research* 37: 2096-2105.
- Thessler, S., S.E. Sesnie, Z.S. Ramos Bendaña, K. Ruokolainen, E. Tomppo, and B. Finegan. 2008. Using *k*-nn and discriminant analyses to classify rain forest types in a Landsat TM image over northern Costa Rica. *Remote Sensing of Environment* 112: 2485-2494.
- Varón, E.H., S.D. Eigenbrode, N.A. Bosque-Pérez, and L. Hilje. 2007. Effect of farm diversity on harvesting of coffee by the leaf-cutting ant *Atta cephalotes*. *Agricultural and Forest Entomology* 9: 47-55.
- Wright, S.J., H. Muller-Landau, and J. Schipper. 2009. The future of tropical species on a warmer planet. *Conservation Biology* 23: 1418-1426.