

## PUBLISHED RESEARCH AT THE NJ SCHOOL OF CONSERVATION

### PEER-REVIEWED PUBLICATIONS (BY DATE PUBLISHED)

- Forrest, Helen. 1959. Taxonomic Studies on the Hydras of North America. VII. Description of *Chlorohydra hadleyi*, new species, with a Key to the North American Species of Hydras. *American Midland Naturalist* 62 (2): 440-448. Stable URL: <http://www.jstor.org/stable/2422537>
- Gaulin, S.J.C. and R.W. FitzGerald. 1989. Sexual selection for spatial-learning ability. *Animal Behavior*. 37:322-331
- Gaulin, S.J., R.W. FitzGerald, and M.S. Wartell. 1990. Sex difference in spatial ability and activity in two vole species (*Microtus ochrogaster* and *M. pennsylvanicus*). *Journal of Comparative Psychology*, 104:88-93
- Smallwood, J. A., and P. J. Wargo. 1997. Nest site habitat structure of American kestrels in northwestern New Jersey. *Bull. New Jersey Acad. Sci.* 42:7-10.
- Smallwood, J. A., And C. Natale. 1998. The effect of patagial tags on breeding success in American kestrels. *No. American Bird Bander* 23:73-78.
- \*Neubig, J.P. and Smallwood, J.A. 1999. The "significant others" of American Kestrels: cohabitation with arthropods. *Wilson Bulletin*. 111:269-271.
- Smallwood, J. A., C. Natale, K. Steenhof, M. Meetz, C. D. Marti, R. J. Melvin, G. R. Bortolotti, R. Robertson, S. Robertson, W. R. Shuford, S. A. Lindemann, And D B. Tornwall. 1999. Clinal variation in the juvenal plumage of American kestrels. *J. Field Ornithol.* 70:425-435.
- Thomas, W. H. Fall 2000. Using Indigenous Knowledge to Conserve the Headwaters of the Strickland River. *PNG Biodiversity Digest* 10. p.8.
- Smallwood, J. A., And D. M. Bird. 2002. American kestrel. A chapter in *The birds of North America* (A. Poole and F. Gill, eds.). The American Ornithologists' Union, Washington, DC, and the Cornell University Laboratory of Ornithology.
- FitzGerald, R.W. 2002. Field studies in geography and environmental science as a vehicle for teaching science and mathematics skills. *Middle States Geographer* v. 35, pp. 69-75.
- Kight, S.L. & \*Hashemi, A. 2003. Diminished food resources are associated with delayed reproduction or increased post-reproductive mortality in brood-bearing terrestrial isopods, *Armadillidium vulgare* Latreille. *Entomological News*. 114: 61-68.

- \*Melendez, Belkys (2003). New theories to explain acid precipitation in Northern New Jersey. *Middle States Geographer* v. 36, pp. 178-187. (graduate student of Dr. Pope)
- Smallwood, J.A., \*Dudajek, V., \*Gilchrist, S., Smallwood, M.A. 2003. Vocal development in American kestrel (*Falco sparverius*) nestlings. *Journal of Raptor Research* 37:37-43.
- Thomas, W. H. 2003. One Last Chance: Tapping Indigenous Knowledge to Produce Conservation Policies. *Futures* 35 (2003) 989-998.
- Kight, S.L. & \*Nevo, M. 2004. Female terrestrial isopods, *Porcellio laevis* Latreille (Isopoda: Oniscidea) reduce brooding duration and fecundity in response to physical stress. *Journal of the Kansas Entomological Society*. 77:285-287.
- Smalley, J. & Campanella, J. 2005. A simple method for collection and extraction of high-quality sunfish (*Lepomis*) DNA for use in polymerase chain reaction analysis. *Biotechniques*. 38:190-191.
- Campanella, J. & Smalley, J. 2005. Utilizing buccal swabbing for collection and extraction of high-quality newt (*Notophthalmus*) DNA for use in phylogenetic analyses. *In Vivo* 26(3):19-22.
- Campanella, J & Smalley, J. 2006. A minimally invasive method of piscine tissue collection and an analysis of long-term field-storage conditions for samples. *BMC Genetics* 7: 32. doi:10.1186/1471-2156-7-32
- Prezant, R.S., E.J. Chapman, and A. McDougall. 2006. In utero predator-induced responses in the viviparid snail *Bellamya chinensis*. *Can. J. Zool.* 84: 600-608. doi: 10.1139/Z06-034
- Varland, D. E., J. A. Smallwood, L. S. Young, And M. N. Kochert. 2007. Marking techniques. Pp. 221-236 in *Raptor research and management techniques*. (D. M. Bird and K. L. Bildstein, Eds.) Hancock House Publications, Blaine, WA.
- Smallwood, J. A, M. F. Causey, D. H. Mossop, J. R. Klucsarits, B. Robertson, S. Robertson, J. Mason, M. J. Maurer, R. J. Melvin, R. D. Dawson, G. R. Bortolotti, J. W. Parrish, Jr., T. F. Breen, And K. Boyd. 2009. Why are American Kestrel (*Falco sparverius*) populations declining in North America? Evidence from nest box programs. *J. Raptor Res.* 43:274-282.
- Smallwood, J. A., P. Winkler, G.I. Fowles, And M. A. Craddock. 2009. American Kestrel breeding habitat: the importance of patch size. *J. Raptor Res.* 43:308-314.
- Monsen-Collar, K., L. Hazard and R. Dussa\*. In press (Dec 2010). Comparison of PCR and RT-PCR in the first report of *Batrachochytrium dendrobatidis* in New Jersey amphibians. *Herpetological Review*.

**Submitted/In Preparation**

Hazard, L.C. and D. Vig\*. Behavioral aversion of migrating Eastern Newts (*Notophthalmus viridescens*) to road deicers. In revision for *Herpetological Conservation and Biology*.

#### OTHER PUBLICATIONS FROM NATIONAL CONFERENCES/PRESENTATIONS

Hazard, L.C., K. Kwasek\*\*, E. Koelme\*\*, and S. Gerges\*. 2010. Variation in behavioral aversion to road deicers in sympatric temperate zone amphibian species. American Physiological Society Intersociety Meeting- Global Change and Global Science: Comparative Physiology in a Changing World. Westminster, CO.

Hazard, L.C., K. Kwasek\*, and D. Vig\*. 2010. Interspecific variation in behavioral aversion of amphibians to road deicers. Society for Integrative and Comparative Biology Annual Meeting, Seattle, WA.

Hazard, L.C. and K. Kwasek\*. 2009. Effects of road deicers on survival and behavior of larval and adult wood frogs. Partners in Amphibian and Reptile Conservation, Northeast Chapter Annual Meeting. Watkins Glen, NY.

Monsen, K. and Hazard, L.C. 2009. Molecular screen for *Batrachochytrium dendrobatidis* in New Jersey amphibians. Partners in Amphibian and Reptile Conservation, Northeast Chapter Annual Meeting. Watkins Glen, NY.

Hazard, L.C. 2009. Behavioral aversion of two New Jersey amphibian species to road deicers. Joint Meeting of Ichthyologists and Herpetologists (ASIH/HL/SSAR). Portland, OR.

Hazard, L.C. and K. Kwasek\*. 2009. Effects of road deicers on survival and behavior of larval and adult wood frogs. Integrative and Comparative Biology 49:E241-E241. Society for Integrative and Comparative Biology Annual Meeting, Boston, MA.

Bailey, Renata, Carrion, Cielo, Kasner, Marc D., Lopina, Pearl, Mullen, Kathleen, Walega, Iwona, and Osinaiya, Tope. 2001. Analysis of trace metals in soils in northwestern New Jersey. Geological Society of America Northeastern Section 36<sup>th</sup> Annual Meeting.

Prezant, R.S.. 2005. Predator induced responses in the viviparid *Bellamya chinensis*. 2<sup>nd</sup> International Marine Bivalve Workshop. Chanthaburi, Thailand.

Prezant, R.S. and E.J. Chapman. 2004. In-utero responses in *Bellamya* brood to a potential predator. American Malacological Society, Sanibel, FL

Prezant, R.S. and E.J. Chapman. 2004. Predator induced changes in juvenile output in the live bearing snail *Bellamya chinensis*. Mid-Atlantic Malacologists. Delaware Museum of Natural History.

#### STUDENT PRESENTATIONS

Kwasek, K. 2009. Effects of road deicers on survival and behavior of larval and adult wood frogs. Third Annual Student Research Symposium, Montclair State University.

Vig, D. 2009. Effects of road deicers on the migration and behavior of adult Eastern Newts. Third Annual Student Research Symposium, Montclair State University.

Kwasek, K. 2008. Effects of road deicers on survival and behavior of larval and adult wood frogs. MACUB (Metropolitan Association of College and University Biologists) annual meeting.

Pekoz, M. and S. Saber. 2008. Road salt tolerance of adult spadefoot toads (*Scaphiopus couchii*). Second Annual Student Research Symposium, Montclair State University.