

Jack H. DeLap

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EDUCATION

Present	Ph.D. Candidate, College of the Environment	University of Washington, Seattle, WA
2002 - 2006	Doctoral Coursework, Wildlife Science/Urban Ecology	University of Washington, Seattle, WA
2002	M.Sc., Fishery & Wildlife Biology	Colorado State University, Fort Collins, CO
1998	Scientific Illustration Coursework	University of Washington, Seattle, WA
1992	B.A., Fine Art/History	Pitzer College, Claremont, CA
1991	Studio Art Coursework	Parsons School of Design, New York, NY
1990	Eastern European Film History Coursework	Hungarian Film Academy, Budapest

SCHOLARSHIPS / ACADEMIC ACHIEVEMENTS

2005 – 2006	Research Assistantship - National Science Foundation, Integrative Graduate Education Research Training (IGERT)
2001 -- 2005	Research Assistantship - National Science Foundation, Biocomplexity in the Environment
2000	Honors Society - College of Natural Resources, Colorado State University
1999	Research Assistantship - Colorado Division of Wildlife, Watchable Wildlife Department
1998	Honors Society - College of Forest Resources, University of Washington
1991	Deans' List for Academic Excellence - Parsons School of Design
1992	Nancy Gallentierie Scholarship - Art Students League of New York

PUBLICATIONS

- 2014 **The Causal, Mechanistic Connections Between Suburban Development & Avian Communities & a Hypothesis to Sustain Their Resiliency.** Marzluff, J.M., Clucas, B., Oleyar, M.D. & J.H. DeLap. *Urban Ecosystems*. [Forthcoming]
- American Crows Tune Mobbing Responses to the Risk Posed by Raptors.** Marzluff, J. M., DeLap, J.H., & K. Haycock. *Wilson Journal of Ornithology*. [Forthcoming]
- Site Fidelity in a Changing World: Dispersal of Breeding Adult Songbirds Caused by Suburban Development.** Marzluff, J.M., Clucas, B., Oleyar, M.D. & J.H. DeLap. [In prep.]
- Response of Avian Communities to Newly-Establishing Human Communities:** DeLap, J.H., & Marzluff, J.M. [In prep.]
- 2011 **Systematic Conservation Planning in the Face of Climate Change: Bet-hedging on the Columbia Plateau.** 2011. Schloss, C. A.; Lawler, J. J.; Larson, E. R.; Papendick, H. L.; Case, M. J.; Evans, D. M.; DeLap, J. H.; Langdon, J. G.R.; Hall, S. A.; McRae, B. H. *PLoS ONE*.
- 2007 **Consequences of Habitat Utilization by Nest Predators & Breeding Songbirds Across Multiple Scales in an Urbanizing Landscape.** 2007. Marzluff, J. M., J. C. Withey, K. A. Whittaker, M. D. Oleyar, T. M. Unfried, S. Rullman, & J. DeLap. *Condor* 109:516–534.
- 2004 **Wildlife Response to Anthropogenic Food.** 2004. DeLap, J.H., & R. L. Knight. *Natural Areas Journal* 24(2): 112-118
- 2003 **Response of an Avian Scavenging Guild to Construction Activity.** 2003. DeLap, J.H., & R. L. Knight. *Natural Areas Journal* 23(3): 274-277

PROFESSIONAL SOCIETIES / SERVICE

Memberships

American Association for the Advancement of Science (AAAS)
American Ornithologists Union (AOU)
Cooper Ornithological Society (COS)
Guild of Natural Science Illustrators (GNSI)

Peer Reviewer

Conservation Biology (SCB), Ecological Applications (ESA), Ecospheres (AAAS), Environmental Management, & Northwest Science.

TEACHING EXPERIENCE

- 2014 **Instructor**, Sustaining Pacific Northwest Ecosystems, University of Washington, Seattle Campus. (ESRM 201); Summer A term, 5 credits. Introduction to ecological principles, plants & wildlife occurring along the urban to rural gradient from Western to Eastern Washington State.
- 2014 **Instructor**, Wildlife Research Techniques, University of Washington, Seattle Campus; (ESRM 351) Spring Term, 8 credits. Intensive survey of research design, analyses & field data collection techniques for wildlife science research. Additional focus on plant / bird identification & natural history of birds, mammals, amphibians & reptiles of the Pacific Northwest region.
- 2014 – 2011 **Co-Instructor & Program Co-Director**, Natural & Cultural History of Costa Rica, University of Washington, Seattle Campus / Costa Rica (ESRM 489); Exploration Seminar, Summer / early Fall, 5 credits. Month-long field course investigating interface between human settlements & coastal, mid-elevation & cloud forests of western Costa Rica. Field labs utilize direct observation, journaling, sketching of plants & animals, & mapping of built environments.
- 2012 – 2014 **Teaching Assistant**, In the Company of Corvids, North Cascades Institute, Lake Diablo Environmental Learning Center. Recurring 3-day ornithological workshop on natural history of the highly intelligent family Corvidae: crows, jays, magpies, ravens & their relatives.
- 2013 **Co-Instructor**, **Conservation & Governance of Rare & Threatened Species**, University of Washington, Seattle Campus. Explores the multitude of biological & legal definitions, policy, research, & management of threatened & endangered species.
- 2008 – 2009 **Technology Trainer – NPower Seattle**; Seattle, WA – trained nonprofit staff on software for graphic design, web, database, spreadsheet, word processing, & communications applications. Develop curriculum for new courses, consult on special projects.
- 2005 **Co-Instructor**, **Urban Ecology** - University of Washington, Seattle, WA. New course in the Program on the Environment. Developed, along with 6 other Ph.D. students, lecture & lab materials; Lead lab section. Graded exams, quizzes, papers, & multi-media projects.
- 2001 - 2002 **Teaching Assistant**, **Wildlife Data Collection & Analysis** - Colorado State University, Fort Collins, CO. Capstone course for Wildlife Science Majors. Topical Lectures; Lead Lab Sections. Co-developed curricula & labs with lead lecturer. Lectures conducted in Microsoft PowerPoint; Labs comprised of various computer & field (outdoor) exercises; Graded exams, papers, lab exercises, & quizzes.

FIELD EXPERIENCE / EMPLOYMENT

- 2012 - 2013 **Isolation of pathogens and drug resistant genes from crows and their environment** – King County, WA. A collaborative project between UW Department of Environmental & Occupational Health Sciences and the School of Environmental & Forest Sciences, to evaluate the potential of wild American crows (*Corvus brachyrhynchos*) to act as a vector in spreading pathogens harmful to human health. Field work included live capture (net gunning), banding, and fecal sampling of wild crows in various settings.
- 2003 – 2006 **Urban Bird Project**. Seattle-Metropolitan Area, Washington. A Long-term, regional project conducted in King, Snohomish, & Pierce Counties to investigate relationships between native & non-native bird communities & human development. Avian spot mapping, nest searching/monitoring, avian point count

surveys. mist netting/color-banding, radio-telemetry, nest predation cameras, & habitat sampling; (Ph.D. research; University of Washington).

- 1999 - 2002 **Wildlife Response to Anthropogenic Food.** Routt County, Colorado. Study investigated the potential effects of increased recreational activity on bird communities along the Yampa River in northwest Colorado. Conducted avian point counts, remote camera systems, scent stations, songbird nest searching/monitoring (M.S. research; R. L. Knight, Advisor; Colorado State University).
- 2001 **Ecological Consultant, PBS Engineering & Environmental.** Contract employee for large consulting firm. Co-developed study to assess potential threats to airline safety from local wildlife during takeoff & landings at the Routt County Airport in Hayden, Colorado. Responsibilities included sampling design, data collection, analysis & writing final report. Report ultimately submitted to the Federal Airline Administration (FAA).
- 1999 **Burrowing Owl Nest Site Selection & Success.** North-central Montana. Study investigated the decline of Burrowing Owls in relation to nest productivity & habitat features. Nest searching, trapping/banding of juveniles (M. Restani, Project Leader; Montana State University).
- American Dipper Nest Success in Response to Antimycin Treatment.** Cherry Creek, Montana. Nest searching, banding of adult & juveniles (M. Restani, project leader; Montana State University).
- 1998 **Northern Goshawk Occupancy & Productivity in Managed Forests of Western Washington.** Olympic Peninsula, Western Cascades, WA. Broadcast/visual surveys of historic nest stands, radio-telemetry, banding of adult & juveniles (S. Finn, M.S. research; University of Washington).
- 1997 **Mating success of Pacific-Slope flycatcher across three habitat types in Western Washington.** Capital State Forest, WA. Song recording, nest searching, banding of adults; independent study evaluating song variability for implications in sexual selection (M. Leu, Ph.D. research; University of Washington).
- 1996 **Song Sparrow Project.** Discovery Park, Seattle, WA. Nest searching/monitoring, song recording, banding of adults & nestlings (Christopher Hill, Ph.D. research; University of Washington).

NATURAL SCIENCE ILLUSTRATION

- 2014 **Welcome to Subirdia: Sharing Our Neighborhoods with Wrens, Robins, Woodpeckers, and Other Wildlife** by John Marzluff. 38 original Illustrations depicting birds and other wildlife. Yale University Press.
- 2013 **Distinct neural circuits underlie assessment of a diversity of natural dangers by American crows.** Cross, D.J.; Marzluff, J.M.; Palmquist, I., Minoshima, S., Shimizu, T., & R. Miyaoka. 2013 Proceedings of the Royal Society B-Biological Sciences. 280 (1765). Figure 1. Sequence of steps in the experimental protocol.
- 2011 **Dog Days, Raven Nights** –by John & Colleen Marzluff. Illustrations for Appendix I: Ravens, aviary. Yale University Press.
- 2009 **Coastal Raptors** – Environmental nonprofit; Dr. Daniel Varland, Director. Logo design.
- 2006 **The Steward's Fork.** by James Agee. Illustrations detailing salmon life cycle, geologic glaciation, & river hydrology. University of California Press.
- 2005 **The Bird Show.** California State University Fullerton Art Gallery, Santa Ana, CA Exhibited mixed media pieces in group show of artists using images of birds.
- 2002 **Three-toed Woodpecker / Spruce Bark Beetle Project.** US Forest Service, Steamboat Springs, CO. Designed image for materials commemorating conservation project.
- 2001 - 2002 **Front Range Student Ecology Symposium.** Colorado State University, Fort Collins, CO Designed logo for symposium proceedings & related materials.
- 1998 **American Society of Mammalogists, 79th Annual Meeting.** University of Washington, Seattle, WA. Designed logo for symposium proceedings & related materials.

INTERESTS/ HOBBIES

Bird watching, Drawing, Fly fishing/Tying, Hiking, Cooking & Woodworking.