Elizabeth C. Long

Mohonk Preserve

P.O. Box 715

New Paltz, NY 12561

elong@mohonkpreserve.org

(845)255-0919 x 1272

EDUCATION

2013	Ph.D. Ecology	University of California, Davis Center for Population Biology
2009	M.S. Biology	The College of William and Mary Center for Conservation Biology
1995	B.A. Biology	University of Richmond

PROFESSIONAL EXPERIENCE

2015- present	Director of Conservation Science & Director of Daniel Smiley Research Center, Mohonk Preserve
2014- 2015	Research Fellow, UCLA La Kretz Center for Conservation Science Natural History Museum of Los Angeles County Section of Entomology
2012- 2014	Program Chair: Wildlife Sciences, Embry-Riddle University
2012- 2014	Program Chair: Forensic Biology, Embry-Riddle University
2012- 2014	Assistant Professor of Biology, Embry- Riddle University
2007- 2012	Teaching Assistant, University of California Davis (Genetics, Intro Bio II Intro Bio III)
2007- 2012	Graduate Student Researcher, University of California Davis (Genetics, Ecology, Evolution, Biogeography of butterflies)
2008	Head Teaching Assistant, University of California Davis (Intro Bio III)
2006- 2007	Graduate Research Assistant, University of California Davis Veterinary Genetics Laboratory
2003- 2006	Graduate Student Researcher, The College of William & Mary Center for Conservation Biology (Ecology and Conservation of Peregrine Falcons)
2003- 2006	Genomics Biologist, Lancaster Laboratories (Richmond VA)
2004- 2005	Teaching Assistant, The College of William & Mary (Cell and Molecular Biology, Zoology, Evolution)
2001- 2003	Laboratory Specialist, Virginia Polytechnic Institute and State University, Dept. of Animal Science Comparative Genomics Lab

PUBLICATIONS

Manuscripts in Revision

1. Wilson, J. K., K. A. Prudic, J. Vu, and E. C. Long in revision The effect of Land-use dynamics on insect populations in an urban-wildland interface.

Manuscripts in Review

2. Long, E. C. , Z. N. Smith, and T. J. Sarro in review Summary of Peregrine Falcon Breeding Dynamics on the Northern Shawangunk Ridge, New York, Following Extirpation and Reintroduction. Northeastern Naturalist.

Peer-Reviewed Publications

3. K.A. Prudic, J. C. Oliver, B. V. Brown, and E. C. Long. 2018 invited submission Efficacy of Destructive vs. Non-destructive Survey Methods in Butterflies Incorporating Citizen Science Survey Techniques. Insects 9(4). https://doi.org/10.3390/insects9040186
4. Hartop, E.A., E. C. Long, C. Bornstein, L. Gonzalez, and B. V. Brown. 2018 Urban Nature Gardens at the Natural History Museum of Los Angeles County attract "wildlife spectacle" of insect pollinators. Zoosymposia 12 (1) 29-50 doi.org/10.11646/zoosymposia.12.1.5
5. Richardson, D. C., D.M. Charifson, B. A. Davis, B.S. Krebs, E. C. Long, M. M., Napoli, and B. A. Wilcove. 2018 Watershed management and underlying geology in three lakes control divergent responses to decreasing acid precipitation.
6. Richardson, D. C., S. J. Melles, R. M. Pilla, A. L. Hetherington, L. B. Knoll, C. E. Williamson, B. M. Kraemer, J. R. Jackson, E. C. Long, K. Moore, L. G. Rudstam, J. A. Rusak, J. E. Saros, S. Sharma, K. E. Strock, K. C. Weathers, C. R. Wigdahl-Perry. 2017 Transparency, Geomorphology, and Mixing Regime Explain Variability in Trends in Lake Temperature and Stratification Across Northeastern North America. Water 9 (6), 442; doi: 10.3390/w9060442
7. Prudic, K.A., K.P. McFarland, J. Oliver, R. Hutchinson, E. C. Long, J. Kerr, and M. Larrivee. 2017 eButterfly: Leveraging Massive Online Citizen Science for Butterfly Conservation. Insects 8(2), 53; doi:10.3390/insects8020053
8. Long, E. C. , K. F. Edwards, and A. M. Shapiro. 2015. A Test of Fundamental Questions in Mimicry Theory Using Long-Term Datasets. Biological Journal of the Linnean Society 116 (3) 487-494 https://doi.org/10.1111/bij.12608
9. Long, E. C., T. P. Hahn, and A. M. Shapiro. 2014. Variation in Wing Pattern and Palatability in a Female-limited Polymorphic Mimicry System. Ecology and Evolution 4 (23) 4543- 4552 [cover]
10. Long, E. C. , R. C. Thomson, and A. M Shapiro. 2014. A time-calibrated phylogeny of the butterfly tribe Melitaeini using nuclear and mitochondrial genetic markers. Molecular Phylogenetics and Evolution 79 (69-81)
11. M. R. Whitaker and Long, E. C. 2014 Butterfly species of the California Sutter Buttes. Journal of Research on the Lepidoptera 47 (1-10)
12. Smith, E. J., Geng, T.Y., Long, E. C. , Pierson, F. W., Sponenberg, P. C., Larson, C., and R. Gogal. 2005. Molecular Analysis of the Relatedness of Five Domestic Turkey Strains. Biochemical Genetics 43 (35-47)

Other Publications

13. Mohonk Preserve, N. Feldsine, A. Forester, A. Garretson, P. Huth, **E. Long**, M. Napoli, E. Pierce, D. Smiley, S. Smiley, J. Thompson. 2019. Mohonk Preserve Amphibian and Water Quality Monitoring Dataset at 11 Vernal Pools from 1931-Present. Environmental Data Initiative. https://doi.org/10.6073/pasta/864aea25998b73c5d1a5b5f36cb6583e
14. Mohonk Preserve, C. Belardo, N. Feldsine, A. Forester, P. Huth, E. Long, V. Morgan,

M. Napoli, E. Pierce, D. Richardson, D. Smiley, S. Smiley, J. Thompson. 2018. History of Acid Precipitation on the Shawangunk Ridge: Mohonk Preserve Precipitation Depths and pH, 1976 to Present. Environmental Data Initiative. https://doi.org/10.6073/pasta/734ea90749e78613452eacec489f419c
15. Mohonk Preserve, A. Forester, P. Huth, E. Long, V. Morgan, M. Napoli, E. Pierce, D. Smiley, S. Smiley, J. Thompson. 2018. Mohonk Preserve Ground Water Springs Data, 1991 to Present. Environmental Data Initiative. https://doi.org/10.6073/pasta/928feed7ee748509ab065de7e3791966
16. EMMA: The Impact of Deer Overabundance on Forest Regeneration (exclosure paired plots) and Wildlife Monitoring Study (camera traps): https://www.uvm.edu/femc
17. Watts, B. D., Padgett, S. M., M. A. Byrd, and E. C. Long. 2005. Virginia Peregrine Falcon monitoring and management program: Year 2005 report. Center for Conservation Biology Technical Report Series, CCBTR-05-09. College of William and Mary, Williamsburg, VA. 12 pp
18. Long, Elizabeth 2005 "Peregrine Falcons Return" Nature's Art Wildlife Journal 3 (3)
19. Long, Elizabeth 2005 "Peregrine Falcons- A Conservation Success Story" Coastal Flightlines Fall Issue. Coastal Virginia Wildlife Observatory
20. Watts, B. D., Padgett, S. M., M. A. Byrd, and E. C. Long. 2004. Virginia Peregrine Falcon monitoring and management program: Year 2004 report. Center for Conservation Biology Technical Report Series, CCBTR-04-07. College of William and Mary, Williamsburg, VA. 12 pp.

SERVICE, OUTREACH, CITIZEN SCIENCE, AND OTHER ACTIVITIES

Organization of Biological Field Stations: Fundraising Auction Committee
Served on NSF BIO advisory panels
Manuscript Reviewer (multiple journals)
Organization of Biological Field Stations: Human Diversity Committee
GLEON 19 All Hands Meeting: Conference Organizing Committee
RapTours Veracruz (MX) River of Raptors Fall Migration: Trip Co-Leader
Environmental Monitoring and Management Alliance of the Hudson Valley: Steering Committee Chair, Past Chair
Lepidopterists' Society: Education Committee co-chair
Lepidopterists' Society: Board Member at Large
Girls on the Run (Hudson Valley) Coach
Gunks Kestrel Project Assistant Bander
Mohonk Preserve: Monthly Bird Walk Trip Leader
ButterflySCAN Citizen Science butterfly surveys in urban Los Angeles
Natural History Museum of Los Angeles County: Teacher Training and Continuing Education- Monarch Butterfly
Natural History Museum of Los Angeles County: Citizen Science Meet-up- Monarch Butterfly Migration Tagging
e-butterfly.org Scientific Advisory Panel
Highlands Center for Natural History, Prescott, AZ: Field Trip Leader
Mono Lake Bird Chautauqua Lee Vining, CA: Presenter and Trip Leader
Community Book Project, Yolo County, CA: Organizer and Discussion Facilitator,
Golden Gate Raptor Observatory, CA: Hawk Bander