

## *Curriculum Vitae*

Adam E. Duerr

Research Wildlife Biologist & Adjunct Assistant Professor  
Conservation Science Global, Inc.  
Bloom Biological, Inc.  
Division of Forestry and Natural Resources, West Virginia University

Home address:  
255 Leawood Dr.  
New Castle, PA 16105

Email: adam.duerr.az@gmail.com  
(757) 903-5461 (mobile)

---

### **Education**

---

2007. Ph.D., Natural Resources (Wildlife Ecology), University of Vermont.

Dissertation: Population Dynamics, Foraging Ecology, and Optimal Management of Double-crested Cormorants on Lake Champlain.

1999. M.S., Renewable Natural Resources (Wildlife and Fisheries Science), University of Arizona.

Thesis: Abundance of Lost and Discarded Fishing Tackle and Implications for Waterbird Populations in the United States.

1993. B.S., Renewable Natural Resources (Wildlife and Fisheries Science), University of Arizona.

---

### **Professional Experience**

---

2016-present Director of Research, Research Wildlife Biologist, Board Member,  
Conservation Science Global, Inc., Cape May, NJ

2016-present Research Wildlife Biologist,  
Bloom Biological, Inc., Los Angeles, CA

2012-present Adjunct Faculty of Wildlife and Fisheries Resources  
Division of Forestry and Natural Resources, Davis College of Agriculture, Natural Resources and Design, West Virginia University, Morgantown, WV.

2011-2016 Postdoctoral Fellow and Wildlife Biologist  
Division of Forestry and Natural Resources, Davis College of Agriculture, Natural Resources and Design, West Virginia University, Morgantown, WV.

2010-2012 Assistant Research Professor of Biology  
Department of Biology, College of William & Mary, Williamsburg, VA.

2010 Adjunct Professor of Biology  
Department of Biology, College of William & Mary, Williamsburg, VA.

2007-2010 Research Biologist  
Center for Conservation Biology, College of William & Mary, Williamsburg, VA.

2001-2007 Graduate Research Assistant

Vermont Cooperative Fish & Wildlife Research Unit, University of Vermont, Burlington, VT

1999-2001 Environmental Consultant

Environmental Planning Group, Inc., Dames & Moore, Inc., URS Corporation, Tucson, AZ

1996-1999 Graduate Research Assistant

Arizona Cooperative Fish & Wildlife Research Unit, University of Arizona, Tucson, AZ

---

### Grants

---

\$10,000 Argos USA. 2019. PI: **Adam E. Duerr**.

\$6,000 West Virginia Air National Guard. PI: **Adam E. Duerr**.

\$23,000 Argos USA. 2018. PI: **Adam E. Duerr**. Black vulture response to efforts to limit damage.

\$4,975 Langley AFB. 2018. PI: **Adam E. Duerr**, Co-PIs: Trish Miller, Missy Braham. Understanding shorebird use of Langley AFB.

\$781,958 National Fish & Wildlife Foundation. 2017. PI: Todd Katzner, Co-PIs: Tricia Miller, **Adam Duerr**, Maitreyi Sur, Sharon Poessel, and Melissa Braham. Assessing risk to Golden Eagles from wind turbine development: an adaptive management approach to building, validating, refining, and implementing risk models.

\$210,000 U.S.D.I. Bureau of Land Management. 2016. PI: Todd Katzner, Co-PIs: **Adam Duerr**, Peter Bloom. Assessment of Golden Eagle flight behavior and in-flight strike risk from wind turbines in the State of California.

\$125,000 U.S.D.I. Bureau of Land Management. 2016. PI: Todd Katzner, Co-PIs: **Adam Duerr**, Peter Bloom. Golden Eagle habitat use study and analysis for the Bureau of Land Management (BLM) in and around the vicinity of the City of Palm Springs, in Riverside and San Bernardino Counties, California.

\$1,000,000 California Energy Commission, EPIC Grant Program. 2015. PI: Todd Katzner, Co-PIs: David Nelson, James Diffendorfer, Scott Loss, Julie Yee, Taber Allison, **Adam Duerr**, Tricia Miller, Melisa Braham. Learning from real-world experience to understand renewable energy impacts to wildlife.

\$102,066 U.S. Department of Defense, Office of Naval Research. 2014. PI: Todd Katzner, Co-PIs: **Adam E. Duerr**, Tricia Miller. Bald Eagle Conservation and Management at Marine Corps Base Quantico.

\$142,352. U.S. Department of Defense. 2014. PI: Todd Katzner, Co-PIs: Tricia Miller, **Adam E. Duerr**. Bald eagle conservation and management at Fort A.P. Hill.

\$83,540 California Department of Fish and Wildlife. 2014. PI: Todd Katzner, Co-PIs: **Adam Duerr**, Jonathan Hall, Melissa Braham, Philip Turk, Tricia Miller. Movement Ecology of California Condors within the DRECP Area.

\$2,000 The Conservation Agency and Falconwood Foundation. 2014. PI: **Adam Duerr**, Co-PI: Todd Katzner. Lead exposure in anoles and iguanas in the British Virgin Islands.

- \$419,140 Virginia Department of Game and Inland Fisheries. 2013. PI: Todd Katzner, Co-PI: James Anderson, Amy Welsh, **Adam Duerr**, Tricia Miller. Differentiation and Hybridization of King and Clapper Rails in Eastern Virginia.
- \$9,500 Virginia Department of Game and Inland Fisheries. 2013. PI: **Adam Duerr**, Co-PI: Todd Katzner. Population dynamics and recruitment of American Oystercatchers.
- \$256,046 Virginia Department of Game and Inland Fisheries. 2013. PI: Todd Katzner, Co-PIs: Tricia Miller, **Adam Duerr**. Demography, Population Size, and Habitat use of Eastern Golden Eagles in Virginia.
- \$295,000 Virginia Department of Game and Inland Fisheries. 2012. PI: Todd Katzner, Co-PIs: **Adam Duerr**, Tricia Miller. Bald Eagles Conservation and Management in Virginia.
- \$126,000 U.S.D.I. Bureau of Land Management. 2012. Todd Katzner, Co-PIs: Andrew DeWoody, Jacqueline Doyle, Phillip Turk, **Adam Duerr**, Tricia Miller. Golden Eagle Demography: Genetic Approaches to Population Biology in the Face of Renewable Energy Development in the California Desert. (\$26,907 through WVU, \$99,093 through Purdue University)
- \$54,390 U.S.D.I. Bureau of Land Management. 2012. PI: Todd Katzner, Co-PIs: Tricia Miller, **Adam Duerr**, Phillip Turk. Golden Eagle Home Range, Habitat Use, Demography and Renewable Energy Development in the California Desert. Award modification.
- \$252,500 State of California – The Natural Resources Agency/Department of Fish and Game. 2012. PI: Todd Katzner, Co-PIs: **Adam Duerr**, Tricia Miller, Phillip Turk. California DFG Golden Eagle Research.
- \$409,443 U.S.D.I. Bureau of Land Management. 2011. PI: Todd M. Katzner, Co-PI: **Adam E. Duerr**, Trish Miller, Phil Turk, David Brandes. Golden Eagle Home Range, Habitat Use, Demography and Renewable Energy Development in the California Desert.
- \$36,155 U.S.D.A. Wildlife Services. 2010. PI: **Adam E. Duerr**. Adaptive Management of Black Vultures at Dutch Gap.
- \$6,000 The Nature Conservancy. 2010. PI: **Adam E. Duerr**, Co-PI: Bryan D. Watts. Survey effort and survival analysis for American Oystercatchers in Virginia.
- \$58,127 U.S. Fish and Wildlife Services. 2008. PI: **Adam E. Duerr**, Co-PI: Bryan D. Watts. Surveillance for Avian Influenza (HPAI H5N1) in Migrating Shorebirds in Virginia.
- \$32,753 National Fish and Wildlife Foundation. 2008. PI: **Adam E. Duerr**, Co-PI: Bryan D. Watts. Quality of Virginia as a Stopover for Red Knots.
- \$10,500 Wildlife Services, U.S. Department of Agriculture. 2007. PI: **Adam E. Duerr**, Co-PI: Bryan D. Watts. Black Vulture movements at Dutch Gap, Virginia.
- \$100 University of Vermont, Graduate Student Senate Mini-Travel Grant. 2006. PI: **Adam E. Duerr**. North American Ornithological Conference, Veracruz, Mexico.
- \$80,000 Lake Champlain Sea Grant, National Oceanic and Atmospheric Administration. 2004. PI: David E. Capen, Co-PIs: Therese M. Donovan and Mike Richmond. Metapopulation dynamics,

decision-analysis modeling, and management of Double-crested Cormorants in the Lake Champlain Basin. As a graduate student, **I collaborated** on all aspects of this project including proposal preparation with D.E. Capen, T.M. Donovan, and M. Richmond.

\$25,000 Vermont Fish and Wildlife Department. 2003. PI: Therese M. Donovan. Influence of egg oiling on the metapopulation dynamics of Double-crested Cormorants. As a graduate student, **I collaborated** on all aspects of this project including proposal preparation with T.M. Donovan.

\$27,000 Jack H. Berryman Institute. 2003. PI: David E. Capen. Decision-analysis modeling and management of the metapopulation of Double-crested Cormorants on Lake Champlain. As a graduate student, **I collaborated** on all aspects of this project including proposal preparation with D.E. Capen.

\$200 University of Vermont, Graduate Student Senate Mini-Travel Grant. 2003. PI: **Adam E. Duerr**. Northeast Fish and Wildlife Conference, Newport, RI.

---

### Publications

---

34. Sur, Maitreyi, **Adam E. Duerr**, Douglas A. Bell, Robert N. Fisher, Jeff A. Tracey, Peter H. Bloom, Trish A. Miller, and Todd E. Katzner. 2019. Relevance of Individual and Environmental Drivers of Movement of Golden Eagles. *Ibis*. <https://doi.org/10.1111/ibi.12766>.
33. **Duerr, A.E.**, L. Dunn, D.A. Bell, P.H. Bloom, R.N. Fisher, J.A. Tracey, and T.E. Katzner. 2019. Topographic drivers of flight altitude over large spatial and temporal scales. *The Auk: Ornithological Advances* 136. DOI: 10.1093/auk/ukz002.
32. Miller, T.A., J.L. Cooper, **A.E. Duerr**, M.A. Braham, J.T. Anderson and T.E. Katzner. In Press. Implications for Bird Aircraft Strike Hazard by Bald Eagles. *Journal of Wildlife Management*.
31. **Duerr, A.E.**, M. A. Braham, T. A. Miller, J. Cooper, J. T. Anderson, and T. E. Katzner. 2019. Roost- and perch-site selection by Golden Eagles (*Aquila chrysaetos*) in eastern North America. *Wilson Journal of Ornithology* 313:310-328.
30. Pirotta, E., T. Katzner, **A. E. Duerr**, M. A. Braham, and L. New. 2018. State-space modelling of the flight behaviour of a soaring bird provides new insights to migratory strategies. *Functional Ecology* 32:2205-2215.
29. Poessel, S. A., **A. E. Duerr**, J. C. Hall, M. A. Braham, and T. E. Katzner. 2018. Improving Estimation of Flight Altitude in Wildlife Telemetry Studies. *Journal of Applied Ecology*, 2018. <https://doi.org/10.1111/1365-2664.13135>.
28. Dennhardt, A. J., **A. E. Duerr**, D. Brandes, T. E. Katzner. 2017. Applying citizen-science data and mark-recapture models to estimate numbers of migrant Golden Eagles in an Important Bird Area in eastern North America. *The Condor: Ornithological Applications* 119:817-831.
27. Miller, T. A., R. P. Brooks, M. J. Lanzone, J. Cooper, K. O'Malley, D. Brandes, **A. Duerr**, and T. E. Katzner. 2017. Summer and winter space use and home range characteristics of Golden Eagles (*Aquila chrysaetos*) in eastern North America. *The Condor: Ornithological Applications* 119:697-719.

26. Brown, J. L., B. Bedrosian, D. A. Bell, M. A. Braham, J. Cooper, R. H. Crandall, J. DiDonato, R. Domenech, **A. E. Duerr**, T. E. Katzner, M. J. Lanzone, D. W. LaPlante, C. L. McIntyre, T. A. Miller, R. K. Murphy, A. Shreading, S. J. Slater, J. P. Smith, B. W. Smith, J. W. Watson and B. Woodbridge. 2017. Patterns of Spatial Distribution of Golden Eagles Across North America: How Do They Fit into Existing Landscape-Scale Mapping Systems? *Journal of Raptor Research* 51:197–215.
25. Rus, A. I., **A. E. Duerr**, T. A. Miller, J. R. Belthoff, and T. E. Katzner. 2017. Counterintuitive roles of experience and weather on migratory performance. *Auk* 134:485-497.
24. Wilke, A. L., R. Boettcher, **A. Duerr**, P. Denmon, B. R. Truitt, K. Holcomb, and B. D. Watts. 2017. Population Dynamics and Survival Rates of American Oystercatchers (*Haematopus palliatus*) in Virginia, USA. *Waterbirds* 40:55-71.
23. Katzner, T. D. Nelson, M. Braham, J. Doyle, N. Fernandez, **A. Duerr**, P. Bloom, M. Fitzpatrick, T. Miller, R. Culver, L. Braswell, and A. DeWoody. 2017. Golden Eagle fatalities demonstrate the continental-scale consequences of local-scale renewable energy generation. *Conservation Biology* 31:406-415.
22. Katzner, T., V. Bennet, T. Miller, **A. Duerr**, M. Braham, and A. Hale. 2016. Wind energy development: methods for assessing risks to birds and bats pre-construction. *Human-Wildlife Interactions* 10:45-52.
21. Miller, T. A., R. P. Brooks, M. J. Lanzone, D. Brandes, J. Cooper, J. A. Tremblay, J. Wilhelm, **A. Duerr** and T. E. Katzner. 2015. Limitations and mechanisms influencing the migratory performance of soaring birds. *Ibis* 158:116-134.
20. Katzner, T. E., P. J. Turk, **A. E. Duerr**, T. A. Miller, M. J. Lanzone, J. L. Cooper, D. Brandes, J. A. Tremblay and J. Lemaître. 2015. Use of multiple modes of flight subsidy by a soaring terrestrial bird, the golden eagle *Aquila chrysaetos*, when on migration. *Journal of The Royal Society Interface* 12: 20150530.
19. Nelson, D. M., M. Braham, T. A. Miller, **A. E. Duerr**, J. Cooper, M. Lanzone, T. Katzner. 2015. Stable hydrogen isotopes identify leapfrog migration, degree of connectivity, and summer distribution of Golden Eagles in eastern North America. *Condor* 117:414-429.
18. Braham, M., T. Miller, **A. E. Duerr**, M. Lanzone, A. Fesnock, L. LaPre, D. Driscoll, and T. Katzner. 2015. Home in the heat: dramatic seasonal variation in home range of desert golden eagles informs management for renewable energy development. *Biological Conservation* 186:225-232.
17. **Duerr, A. E.**, T. A. Miller, K. C. Duerr, M. J. Lanzone, A. Fesnock, and T. E. Katzner. 2015. Landscape-scale distribution and density of raptor populations wintering in anthropogenic-dominated desert landscapes. *Biodiversity and Conservation* 24:2365-2381.
16. Behmke, S., J. Fallon, **A. Duerr**, A. Lehner, J. Buchweitz, and T. Katzner. 2015. Chronic lead poisoning is epidemic in obligate scavenger populations in eastern North America. *Environment International* 79:51-55.

15. Dennhardt, A. J., **A. E. Duerr**, D. Brandes, and T. E. Katzner. 2015. Modelling Autumn Migration of a Rare Soaring Raptor Identifies New Movement Corridors in Central Appalachia. *Ecological Modeling* 303:19-29.
14. Dennhardt, A. J., **A. E. Duerr**, D. Brandes, and T. E. Katzner. 2015. Integrating Citizen-Science Data with Movement Models to Estimate Golden Eagle Population Size in Eastern North America. *Biological Conservation* 184:68-78.
13. **Duerr, A.**, T. Miller, M. Lanzone, D. Brandes, J. Cooper, C. Maisonneuve, J. Tremblay, J. Wilhelm, T. Katzner. 2015. Flight response of slope-soaring birds to seasonal variation in thermal generation. *Functional Ecology* 29:779-790.
12. Miller, T. A., R. P. Brooks, M. Lanzone, D. Brandes, J. Cooper, K. O'Malley, C. Maisonneuve, J. Tremblay, **A. Duerr**, and T. Katzner. 2014. Assessing Risk to Birds from Industrial Wind Energy Development via Paired Resource Selection Models. *Conservation Biology* 28:745-755.
11. **Duerr, A. E.**, T. A. Miller, M. Lanzone, D. Brandes, J. Cooper, K. O'Malley, C. Maisonneuve, J. Tremblay, and T. Katzner. 2012. Testing an Emerging Paradigm in Migration Ecology Shows Surprising Differences in Efficiency between Flight Modes. *PLOS One* 7:e35548.
10. **Duerr, Adam E.**, David E. Capen, and Therese M. Donovan. 2012. Energetic Considerations for Managing Double-crested Cormorants on Lake Champlain. *Journal of Great Lakes Research* 38(Supplement 1): 131-140.
9. DeBruyne, R. L., T. L. DeVault, **A. E. Duerr**, D. E. Capen, F. E. Pogmore, J. R. Jackson, and L. G. Rudstam. 2011. Spatial and Temporal Comparisons of Double-crested Cormorant diets following the establishment of alewife in Lake Champlain, USA. *Journal of Great Lakes Research* 38(Supplement 1): 123-130.
8. Watts, B. D. and **A. E. Duerr**. 2010. Nest Turnover Rates and List Frame Decay in Bald Eagles: Implications for the National Monitoring Plan. *Journal of Wildlife Management* 74(5):940-944.
7. Watts, B. D., B. R. Truitt, F. M. Smith, E. K. Mojica, B. J. Paxton, A. L. Wilke, and **A. E. Duerr**. 2008. Whimbrel Tracked with Satellite Transmitter on Migratory Flight across North America. *Wader Study Group Bulletin* 115:119-121.
6. **Duerr, Adam E.**, Therese M. Donovan, and David E. Capen. 2007. Management-induced reproductive failure and breeding dispersal in double-crested cormorants on Lake Champlain. *Journal of Wildlife Management* 71(8):2565-2574.
5. Boal, C., T. Estabrook, and **A. Duerr**. 2004. Productivity of loggerhead shrikes nesting in an urban interface. W. W. Shaw, L. K. Harris, and L. VanDruff, editors. *Proceedings of the 4<sup>th</sup> International Urban Wildlife Symposium*. May 1-5, 1999, Tucson, Arizona.
4. Franson, J. Christian, Scott P. Hanson, Terry E. Creekmore, Christopher J. Brand, David C. Evers, **Adam E. Duerr**, and Stephen DeStefano. 2003. Lead fishing weights and other fishing tackle in selected waterbirds. *Waterbirds* 26(3):345-352.
3. Boal, C., T. Estabrook, and **A. Duerr**. 2003. Productivity and breeding habitat of loggerhead shrikes in a southwestern urban environment. *Southwestern Naturalist* 48(4):557-562.

2. Franson, J. Christian, Scott P. Hanson, **Adam E. Duerr**, and Stephen DeStefano. 2001. Size and mass of grit in gizzards of sandhill cranes, tundra swans, and mute swans. *Waterbirds* 24(2):242-244.
1. **Duerr, Adam E.**, and Stephen DeStefano. 1999. Using a metal detector to determine lead sinker abundance in waterbird habitat. *Wildlife Society Bulletin* 27(4):952-958.

---

### Invited Scientific Presentations

---

7. Miller, T. A., R. P. Brooks, M. J. Lanzone, D. Brandes, C. Maisonneuve, J. A. Tremblay, J. Cooper, K. O'Malley, **A. E. Duerr**, T. E. Katzner. 2014. Competing resource selection modeling predicts risk for preventing and mitigating impacts to flying birds from industrial wind energy developments. Wind Energy & Raptors Workshop. Annual Meeting of the Raptor Research Foundation. Corpus Christi, TX.
6. **Duerr, Adam E.**, T.A. Miller, M.J. Lanzone, D. Brandes, J. Cooper, C. Maisonneuve, J. Tremblay, P. Turk, K. O'Malley, R.P. Brooks, T. Katzner. 2012. Golden eagles in eastern North America: Population status and habitat use relative to wind energy development. The Wildlife Society 19<sup>th</sup> Annual Conference. Portland OR.
5. **Duerr, Adam E.** 2007. Applied waterbird ecology: the case of Double-crested Cormorants on Lake Champlain. Biology Department Seminar Series. Virginia Commonwealth University, Richmond, VA.
4. **Duerr, Adam E.**, Stephen DeStefano, and J. Christian Franson. 2005. Abundance of lost and discarded lead fishing sinkers in the United States. Lead Sinker Symposium. Aquatic Toxicity Workshop. 5 October. Waterloo, Ontario, Canada.
3. **Duerr, Adam E.**, David E. Capen, and Therese M. Donovan. 2005. Evaluating management options for Double-crested Cormorants on Lake Champlain. Management Coordination and Monitoring Meeting for Double-crested Cormorants. 1-4 March. Sandusky, OH.
2. **Duerr, Adam E.**, Therese M. Donovan, and David E. Capen. 2004. Foraging Distribution, Diet, and Population Dynamics of Double-crested Cormorants on Lake Champlain. New York Department of Environmental Conservation, Fish, Wildlife and Marine Resources Seminar Series, Albany, NY.
1. **Duerr, Adam E.** and Stephen DeStefano. 1998. Abundance of lost and discarded fishing tackle. Seminar at the National Wildlife Health Center, Madison, WI.

---

### Scientific Presentations

---

57. **Duerr, A.E.**, L. Dunn, Peter H. Bloom, Douglas A. Bell, Robert N. Fisher, Jeff Tracey, and Todd E. Katzner. 2019. Influence of Topographic Variation on Flight Altitude of Golden Eagles and Implications for Modeling Mortality Risk from Wind-turbine Collisions. California-Nevada Golden Eagle Science Team, Sacramento, CA.

56. **Duerr, A.**, D. Bell, J. Belthoff, P. Bloom, M. Braham, E. Bjerre, A. DeWoody, J. Doyle, L. Dunn, N. Fernandez, R. Fisher, M. Fitzpatrick, T. Miller, B. Millsap, D. Nelson, S. Poessel, M. Sur, J. Tracey, and T. Katzner. 2019. Update on Research on Golden Eagles. California-Nevada Golden Eagle Working Group, Sacramento, CA.
55. **Duerr, A. E.**, L. Dunn, M. Braham, T. Miller, A. Fesnock, D. Bell, P. Bloom, R. Fisher, J. Tracey, & T. E. Katzner. 2016. Response of Golden Eagle Flight Altitude to Topographic Variation in California and Implications for Potential for Wind-Wildlife Interactions. Wind Wildlife Research Meeting XI. Broomfield, CO, USA.
54. **Duerr, A. E.**, M. Braham, T. A. Miller, J.T. Anderson, J. Cooper, & T.E. Katzner. 2016. Resting Site Selection by Golden Eagles (*Aquila chrysaetos*) Demonstrates Resource Use Driven by Flight Behavior. Annual Meeting of the Raptor Research Foundation. Cape May, NJ, USA.
53. Miller, T. A., M. Braham, **A. E. Duerr**, J. Cooper, M. J. Lanzone, J. T. Anderson & T. E. Katzner. 2016. Juvenile Bald Eagle (*Haliaeetus leucocephalus*) movements in the Chesapeake Bay, Virginia, USA. Annual Meeting of the Raptor Research Foundation. Cape May, NJ, USA.
52. Brown, J. L, C. L. McIntyre, B. Bedrosian, D. Bell, M. Braham, **A. Duerr**, T. Miller, T. Booms, J. Cooper, R. Crandall, R. Domenech, A. Shreading, J. Dunk, T. Katzner, M. Lanzone, D. LaPlante, S. Lewis, R. Murphy, S. Slater, B. Smith, J. Smith, J. Watson, B. Woodbridge. 2016. Continental-scale movements of Golden Eagles in western North America. Oral presentation, annual conference of the Raptor Research Foundation, Cape May, NJ, USA.
51. **Duerr, Adam E.**, Tricia A. Miller, Kerri L. Cornell-Duerr, Michael J. Lanzone, Amy Fesnock, Todd E. Katzner. 2015. Anthropogenic Influences to Landscape-Scale Distribution and Density of Wintering Raptors. Raptor Research Foundation, 2015 Annual Conference, Sacramento, CA.
50. Todd Katzner, David M. Nelson, Melissa A. Braham, Jackie M. Doyle, Nadia Fernandez, **Adam E. Duerr**, Peter Bloom, Matthew C. Fitzpatrick, Tricia A. Miller, Andrew Dewoody. 2015. Origins of Golden Eagles Killed at Altamont Pass Wind Resource Area: Continental-Scale Environmental Consequences of Local-Scale Renewable Energy Development. Raptor Research Foundation, 2015 Annual Conference, Sacramento, CA.
49. Carol L. McIntyre, Bryan Bedrosian, Douglas A. Bell, Melissa Braham, **Adam Duerr**, Tricia Miller, Jessi L. Brown, Jeff Cooper, Ross Crandall, Robert Domenech, Adam Shreading, Kathryn Heyden, Todd E. Katzner, Michael Lanzone, Dave LaPlante, Steven B. Lewis, Robert Murphy, Steve Slater, Brian W. Smith, Jeff Smith, James W. Watson, Brian Woodbridge. 2015. Describing Landscape-level Movement Patterns of Golden Eagles in North America using ARGOS and GPS Tracking Data. Raptor Research Foundation, 2015 Annual Conference, Sacramento, CA.
48. Tricia A. Miller, Melissa Braham, **Adam Duerr**, Jeff Cooper, Michael J. Lanzone, Todd E. Katzner. 2015. In-Flight Winter Habitat Use and Selection of Golden Eagles (*Aquila chrysaetos*) in Eastern North America. Raptor Research Foundation, 2015 Annual Conference, Sacramento, CA.



47. Adrian I. Rus, Tricia A. Miller, **Adam E. Duerr**, Melissa Braham, Jerome Lemaitre, David Brandes, Michael Lanzone, Todd Katzner. 2015. The Role of Experience and Multiple Meteorological Factors in the Migratory Performance of Golden Eagles (*Aquila chrysaetos*). Raptor Research Foundation, 2015 Annual Conference, Sacramento, CA.
46. Braham, M. T. Miller, **A. Duerr**, M. Lanzone, A. Fesnock, L. LaPre, D. Driscoll and T. Katzner. 2015. Home in the heat: Dramatic seasonal variation in home range of desert golden eagles informs management for renewable energy development. 2015 Wilson Ornithological Society – Association of Field Ornithologists – Canadian Ornithological Society Annual Meeting, Wolfville, NS.
45. Miller, T. A., R. P. Brooks, M. J. Lanzone, D. Brandes, J. Cooper, J. A. Tremblay, J. Wilhelm, **A. Duerr**, T. E. Katzner. 2015. Time, energy, and beyond: Limitations and mechanisms influencing migratory performance of soaring birds. 2015 Wilson Ornithological Society – Association of Field Ornithologists – Canadian Ornithological Society Annual Meeting, Wolfville, NS.
44. **Duerr, A. E.**, T. A. Miller, K. L. Cornell Duerr, M. J. Lanzone, A. Fesnock, and T. E. Katzner. 2015. Landscape-scale distribution and density of raptors wintering in anthropogenic-dominated desert landscapes. 2015 Wilson Ornithological Society – Association of Field Ornithologists – Canadian Ornithological Society Annual Meeting, Wolfville, NS.
43. Dennhardt, A. J., T. E. Katzner, **A. E. Duerr**, and D. Brandes. 2015. Integrating citizen-science data with movement models to estimate raptor populations: a case study with golden eagles in eastern North America. Ecological Society of America's Annual Conference, Baltimore, MD.
42. Miller, T. A., J. Cooper, M. J. Lanzone, M. Braham, **A. E. Duerr**, & T. E. Katzner. 2014. Movements of juvenile bald eagles (*Haliaeetus leucocephalus*) near the Chesapeake Bay, Virginia: implications for bird aircraft strike hazard. Annual Meeting of the Raptor Research Foundation. Corpus Christi, TX.
41. Braham, M., T. Miller, **A. Duerr**, M. Lanzone, A. Fesnock, L. LaPre, and T. Katzner. 2014. Correlates of variability in monthly home range of Mojave golden eagles (*Aquila chrysaetos*): Interpreting the scale of threat from renewable energy. Oral presentation. 2014 annual meeting, Raptor Research Foundation, Corpus Christi, TX.
40. Drahota, B.M., **A. Duerr**, J.T. Anderson, S. Harding, J. Cooper, T.E. Katzner. 2014. Abundance and habitat associations of bald eagles (*Haliaeetus leucocephalus*) in the Chesapeake Bay, VA. Raptor Research Foundation 2014 Annual Meeting. Corpus Christi, TX.
39. Miller, T., **A. Duerr**, J. Tremblay, C. Maisonneuve, J. Lemaitre, M. Lanzone & T. Katzner. 2014. Modeling risk from wind power to breeding and migrating golden eagles (*Aquila chrysaetos*) near the Gulf of St. Lawrence, Quebec, Canada. Wind Wildlife Research Meeting X. American Wind Wildlife Institute. Denver, CO.
38. Katzner, T., **A. Duerr**, T. Miller, M. Braham, D. Nelson, P. Bloom, J. Doyle & A. DeWoody. 2014. Origins of eagles killed at the Altamont Pass Wind Resource Area. Wind Wildlife Research Meeting X. American Wind Wildlife Institute. Denver, CO.

37. Nagy, L., C. Farmer, M. Braham, **A. Duerr**, A. Fesnock, T. Katzner, L. LaPre, T. Miller & E. Mix. 2014. Golden eagle point counts and telemetry data: a project-specific comparison. Wind Wildlife Research Meeting X. American Wind Wildlife Institute. Denver, CO.
36. Dennhardt, A., T. Katzner, **A. Duerr**, G. Merovich, and D. Brandes. 2014. Integrating Citizen-Science Data with Movement Models to Estimate Population Size of Migratory Raptors: A Case Study with Golden Eagles in Eastern North America. Global Change Biology Workshop, University of California-Berkeley.
35. **Duerr, A.** 2014. Golden Eagles (*Aquila chrysaetos*): Ghosts of the Eastern North American Forests. National Tree Farm Convention, Pittsburgh, PA.
34. Dennhardt, A., T. Katzner, **A. Duerr**, G. Merovich, and D. Brandes. 2014. Modeling Migration and Citizen-Science Data to Estimate Golden Eagle (*Aquila chrysaetos canadensis*) Abundance in Eastern North America: Are Present Estimates Too High or Low? Wilson Ornithological Society, Newport, RI.
33. **Duerr, A. E.**, T. M. Miller, M. Braham, and T. Katzner. 2014. Flight behavior of desert golden eagles. 39<sup>th</sup> annual meeting and symposium, The Desert Tortoise Council, Ontario, CA.
32. Katzner, T., **A. Duerr**, T. Miller, and M. Braham. 2014. Movements of eagles in the California desert. 39<sup>th</sup> annual meeting and symposium, The Desert Tortoise Council, Ontario, CA.
31. Katzner, T., D. Nelson, M. Braham, J. Doyle, P. Bloom, T. Miller, **A. Duerr** & A. DeWoody. 2014. Origins of eagles killed at the Altamont Pass Wind Resource Area. The Western Section of The Wildlife Society 2014 Annual Meeting. Reno, NV.
30. Braham, M., **A. Duerr**, T. Miller, M. Lanzone, D. Brandes & T. Katzner. 2014. Year-round home range of Mojave golden eagles: interpreting the scale of threat from renewable energy development. The Western Section of The Wildlife Society 2014 Annual Meeting. Reno, NV.
29. Katzner, T. and **A. Duerr**. 2014. Desert eagles and renewable energy. California-Nevada Golden Eagle Working Group Meeting. Reno, NV.
28. Miller, T. A., R. P. Brooks, M. J. Lanzone, D. Brandes, C. Maisonneuve, J. A. Tremblay, J. Cooper, K. O'Malley, **A. E. Duerr**, T. E. Katzner. 2013. Biotic and Abiotic Factors Influencing Directness of Migratory Flight Paths of Golden Eagles (*Aquila chrysaetos*) in Eastern North America are Scale Dependent. Worldwide Raptor Conference. Bariloche, Argentina.
27. Lanzone, M.J., P. J. Turk, T.A. Miller, **A. Duerr**, D. Brandes, J. Cooper, J. Tremblay, C. Maisonneuve, and T. Katzner. 2013. Subsidized Lift in Migratory Flight of Golden Eagles (*Aquila chrysaetos*). Worldwide Raptor Conference. Bariloche, Argentina.
26. Dennhardt, A., T. Katzner, **A. Duerr**, G. Merovich & D. Brandes. 2013. Modeling Migration Counts to Estimate Abundance: A Population Estimate for Golden Eagles (*Aquila chrysaetos canadensis*) in eastern North America. Worldwide Raptor Conference. Bariloche, Argentina.
25. Behmke, S., J. Fallon, **A. Duerr**, T. Katzner. 2013. Chronic lead poisoning is epidemic in obligate scavengers in eastern North America. Worldwide Raptor Conference. Bariloche, Argentina.

24. Dennhardt, A., T. Katzner, **A. Duerr**, G. Merovich & D. Brandes. 2013. Golden Eagles (*Aquila chrysaetos*) in eastern North America: natural history, knowledge gaps, and regional conservation priorities. Mountaineer Audubon Society, Morgantown, WV and Highland County Bird Club, Monterey, VA.
23. Dennhardt, A., T. Katzner, **A. Duerr**, G. Merovich & D. Brandes. 2013. Modeling migratory flight routes of Golden Eagles (*Aquila chrysaetos*) in variable meteorological and topographic landscapes. Virginia Society for Ornithology, Leesburg, VA.
22. Dennhardt, A., T. Katzner, **A. Duerr**, G. Merovich & D. Brandes. 2013. Modeling migratory flight routes of Golden Eagles (*Aquila chrysaetos*) in variable meteorological and topographic landscapes. WVU-Davis College Graduate Student Research Symposium, Morgantown, WV.
21. Dennhardt, A., T. Katzner, **A. Duerr**, G. Merovich & D. Brandes. 2013. Modeling migratory flight routes of raptors in variable meteorological and topographic landscapes. Wilson Ornithological Society, Williamsburg, VA.
20. Katzner, T., **A. Duerr**, T. Miller. 2013. Measuring and understanding relationships of desert eagles to the environment and to renewable energy development: context and preliminary interpretation. Desert Tortoise Council, Las Vegas, NV.
19. **Duerr, A. E.**, T. A. Miller, M. Lanzone, D. Brandes, J. Cooper, K. O'Malley, C. Maisonneuve, J. Tremblay, and T. Katzner. 2013. Meteorological drivers of soaring migratory flight of the Golden Eagles in eastern North America. Wilson Ornithological Society, Williamsburg, VA.
18. Katzner, T. E., **A. E. Duerr**, T. A. Miller, M. J. Lanzone, D. Brandes & P. Turk. 2012. Monitoring Seasonal Movements and Ranging Behavior of Golden Eagles in the Context of Energy Development. California-Nevada Golden Eagle Working Group Symposium: Distribution, Abundance, and Population Status of Golden Eagles in California and Nevada, Sacramento, CA.
17. Katzner, T. E., **A. E. Duerr**, D. Brandes, T. A. Miller, M. J. Lanzone, C. Maisonneuve, J. A. Tremblay, R. Mulvihill, G. Merovich, K. O'Malley, J. Cooper. 2012. Meteorological and topographic drivers of migratory flight of golden eagles: implications for wind energy development. National Wind Coordinating Collaborative Research Meeting. Denver, CO.
16. Miller, T. A., R. P. Brooks, M. J. Lanzone, D. Brandes, C. Maisonneuve, J. A. Tremblay, J. Cooper, K. O'Malley, **A. E. Duerr**, T. E. Katzner. 2012. Competing resource selection modeling predicts risk for preventing and mitigating impacts to flying birds from industrial wind energy developments. National Wind Coordinating Collaborative Research Meeting. Denver, CO.
15. **Duerr, A.**, T. Miller, M. Lanzone, D. Brandes, J. Cooper, C. Maisonneuve, J. Tremblay, K. O'Malley, T. Katzner. 2012. Weather drives migratory flight behavior of golden eagles. North American Ornithological Conference. Vancouver, BC. 16 August.
14. **Duerr, Adam E.**, Tricia A. Miller, Michael Lanzone, Jeff Cooper, Phil Turk, and Todd Katzner. 2012. Flight Speed during Migration: Is Slope Soaring Faster than Gliding between Thermals? 68<sup>th</sup> Annual Northeast Fish and Wildlife Conference. April.

13. **Duerr, Adam E.**, Tricia A. Miller, Michael Lanzone, Jeff Cooper, Phil Turk, and Todd Katzner. 2011. High Frequency GPS-GSM Telemetry to Measure Migration Speed: Do Golden Eagles Migrate Faster When Using Orographic or Thermal Lift? Raptor Research Foundation Annual Meeting, Duluth, Minnesota.
12. **Duerr, Adam E.**, David Allaben, Tim Linder, Daniel Thomas, Scott Barras, Jeff Cooper, Ray Fernald, Sergio Harding, and Jeanette Parker. 2011. Dispersal of Black Vultures in Response to Culling. Raptor Research Foundation Annual Meeting, Duluth, Minnesota.
11. Watts, Bryan D., **Adam E. Duerr** (presented), Fletcher M. Smith, Larry Niles, Amanda Dey, Kevin Kalasz. 2009. Movement of Red Knots between 2 Spring Staging Areas in the Mid-Atlantic: Delaware Bay and the Virginia Barrier Islands. Waterbird Society – 33<sup>rd</sup> Annual Meeting, Cape May, New Jersey.
10. **Duerr, Adam E.**, David E. Capen, Therese M. Donovan, and Charles Maisonneuve. 2007. Decision Analysis Modeling to Evaluate Management Options for Double-crested Cormorants in the Northeast. The Wildlife Society 14th Annual Conference, Tucson, AZ.
9. **Duerr, Adam E.**, Bronson Strickland, David E. Capen, Therese M. Donovan, and Gary Norhenburg. 2007. Effects of Capture, Color-banding, and Radio Transmitters on Survival and Colony Fidelity of Double-crested Cormorants on Lake Champlain. International Association of Great Lakes Research 50<sup>th</sup> annual Conference on Great Lakes Research, State College, PA.
8. **Duerr, Adam E.**, Ken Stromborg, D.V. Chip Weseloh, David E. Capen, and Therese M. Donovan. 2007. Survival of Double-crested Cormorants and Philopatry to Natal Colonies on Lakes Michigan, Ontario, and Champlain. International Association of Great Lakes Research 50<sup>th</sup> annual Conference on Great Lakes Research, State College, PA.
7. **Duerr, Adam E.**, David E. Capen, and Therese M. Donovan. 2006. Diet, Foraging Distribution, and Energy Requirements of Cormorants on Lake Champlain. 62<sup>nd</sup> Annual Northeast Fish and Wildlife Conference, Burlington, VT.
6. **Duerr, Adam E.**, Ken Stromborg, and D.V. Chip Weseloh. 2006. Survival and Philopatry of Double-crested Cormorants to Natal Colonies on Lakes Michigan, Ontario, and Champlain. 62<sup>nd</sup> Annual Northeast Fish and Wildlife Conference, Burlington, VT.
5. **Duerr, Adam E.**, David E. Capen, and Therese M. Donovan. 2005. Use of decision analysis modeling to choose optimal management strategies for double-crested cormorant on Lake Champlain. First Biennial Symposium of the Jack H. Berryman Institute, Logan, UT.
4. **Duerr, Adam E.**, David E. Capen, and Therese M. Donovan. 2003. Metapopulation Dynamics of Double-crested Cormorants on Lake Champlain: Responses of Cormorants to Management. The Wildlife Society 10<sup>th</sup> Annual Conference, Burlington, VT.
3. **Duerr, Adam E.**, David E. Capen, and Therese M. Donovan. 2003. Egg oiling and nest colony fidelity of Double-crested Cormorants in Lake Champlain. 59<sup>th</sup> Annual Northeast Fish and Wildlife Conference, Newport, RI.

2. **Duerr, Adam E.**, and Stephen DeStefano. 1998. Abundance of lost and discarded fishing tackle in the United States. The 31st Joint Annual Meeting of the Arizona and New Mexico chapters of the Wildlife Society and the ArizonaNew Mexico Chapter of the American Fisheries Society. Sierra Vista, AZ.
1. **Duerr, Adam E.**, and Stephen DeStefano. 1997. Abundance of lost or discarded fishing tackle. The Wildlife Society 4th Annual Conference, Snowmass Village, CO.

---

### Scientific Posters

---

4. Braham, M. R.P. Braham, J. Brandt, L. Mendenhall, J. Hall, T. Miller, M. Lanzone, **A. Duerr**, A. McGann, and T.E. Katzner. 2015. Wing loading and correlates of flight behavior of California condors (*Gymnogyps californianus*). 2015 Wilson Ornithological Society – Association of Field Ornithologists – Canadian Ornithological Society Annual Meeting, Wolfville, NS.
3. Nelson, D. M., T. Katzner, T. A. Miller, **A. E. Duerr**, J. Cooper, M. Lanzone, M. Wheeler, and D. Brandes. 2013. Assessing the movements and diets of golden eagles in eastern North America using stable isotope and telemetry data. Ecological Society of America annual meeting- Minneapolis, MN.
2. **Duerr, Adam E.**, and Jeremy T. H. Coleman. 2007. Morphometrics and sex differentiation of Double-crested Cormorants from the lower Great Lakes Region. International Association of Great Lakes Research 50<sup>th</sup> annual Conference on Great Lakes Research, State College, PA.
1. Maisonnueve, Charles, and **Adam E. Duerr**. 2006. Cormorant free trade: monitoring movement across the Canada-U.S. border. 4<sup>th</sup> North American Ornithological Conference, Veracruz, Veracruz, Mexico.

---

### Technical Reports

---

- Duerr, Adam E.** 2018. Understanding waterbird use of airfields at JBLE-Langley. Report to Joint-Base Langley-Eustis Natural Resources.
- Katzner, T., **A. Duerr**, T. Miller, M. Braham, J. Hall, D. Brandes, M. Lanzone, and A. McGann. 2014. Movement ecology of California condors within the DRECP area. Report to California Department of Fish and Wildlife, Grant #P1382015.
- Katzner, T., **A. Duerr**, T. Miller, P. Turk, M. Braham, D. Brandes, M. Lanzone, P. Bloom, A. DeWoody, and J. Doyle. 2014. Data collection and synthesis of current knowledge of golden eagles. Report to California Department of Fish and Wildlife, Grant #P1182024.
- Duerr, Adam E.** 2014. Update on lead analysis in blood of Stout Iguanas and other lizards from the BVI. Report to National Parks Trust, The Conservation Agency, and collaborators.
- Duerr, Adam E.** 2013. Adaptive Management of Black Vultures at Dutch Gap, 2007-2013. Report to Virginia State Office of USDA Wildlife Services.

- Katzner, T., P. Turk, **A. Duerr**, D. Brandes, T. Miller, M. Lanzone. 2012. Golden Eagle Home Range, Habitat Use, Demography and Renewable Energy Development in the California Desert – Interim Report to the Bureau of Land Management, California State Office.
- Adam E. Duerr**. 2009. Responses of Black Vultures to Population Management at Dutch Gap, Virginia. Center for Conservation Biology Technical Report Series, CCBTR-09-01. College of William and Mary/Virginia Commonwealth University. Williamsburg, VA. 24pp.
- Smith, Fletcher M., **Adam E. Duerr**, Barton J. Paxton, and Bryan D. Watts. 2008. An Investigation of Stopover Ecology of the Red Knot on the Virginia Barrer Islands. Center for Conservation Biology Technical Report Series, CCBTR-07-14. College of William and Mary, Williamsburg, VA. 35pp.
- Duerr, Adam E.**, David E. Capen, Therese M. Donovan, Marc Eisenhower, and Donna L. Parrish. 2004. Diet, movement, and dispersal patterns of Double-crested Cormorants in Lake Champlain. Final Report, Lake Champlain Sea Grant. Project Number I/PIU-6.
- Duerr, Adam E.**, Mary Anne McLeod, and E. Linwood Smith. 1999. Habitat Selection By Sonoran Pronghorn On Two Tactical Ranges Of The Barry M. Goldwater Range Based On Structure Of Vegetation. Dames & Moore, Tucson, Arizona. Final Report, U.S. Air Force, Luke Air Force Base.
- McLeod, Mary Anne, **Adam E. Duerr**, and E. Linwood Smith. 1999. Small Owl Monitoring on the Barry M. Goldwater Range. Dames & Moore, Tucson, Arizona. Final Report, U.S. Air Force, Luke Air Force Base.
- Duerr, Adam E.**, and Stephen DeStefano. 1997. Abundance of fishing tackle at certain locations in the United States. Unpubl. rep., Arizona Coop. Fish and Wildl. Res. Unit, Tucson, AZ.
- Boal, Clint W., Tracy S. Estabrook, and **Adam E. Duerr**. 1999. Productivity and Breeding Habitat of Loggerhead Shrikes Nesting in an Urban Interface. Final Report to T & E, Inc. Las Cruces, NM.

---

### Professional Memberships

- |   |   |
|---|---|
| The Wildlife Society, 1993-Present          | Cooper Ornithological Society, 1996-2016      |
| Raptor Research Foundation, 2001-Present    | Waterbird Society, 2001-Present               |
| Wilson Ornithological Society, 2017-Present | American Ornithological Society, 2018-Present |

---

### Professional Awards and Fellowships

- Best Student Presentation Award, Northeast Section of the Wildlife Society, 2006
- Berryman Institute Fellowship, 2004
- Rubenstein School of Environment and Natural Resources, Outstanding Graduate Student Research Award, 2004

---

### Service and Extension

---

### **Graduate Committee Membership**

- Drahota, B. 2018. M.S. Wildlife and Fisheries Resources. Peace Corps Master's International. West Virginia University.
- Naref, G. In progress. Ph.D. Wildlife and Fisheries Resources. West Virginia University.
- Dennhardt, A. 2014. M.S. Wildlife and Fisheries Resources. West Virginia University

### **Peer Review**

Reviewed manuscripts for: Animal Conservation, American Naturalist, Conservation Biology, Ecological Applications, Journal of Applied Ecology, Journal of Environmental Management, Journal of Great Lakes Research, North American Journal of Fisheries Management, Restoration Ecology, Waterbirds, Wildlife Society Bulletin. Pre-publication peer review for U.S. Geological Survey.

### **Committee Leadership**

- Committee for 2015 Symposium, Research Group of the California/Nevada Golden Eagle Working Group. 2014.
- Steering Committee, Research Group of the California/Nevada Golden Eagle Working Group. 2012 – 2014.

### **Workshops**

Mixed model analysis of telemetry data. In Part 3: Working with Data: Analysis and Software. From attachment to analysis: a professional development course in telemetry. 2016 annual conference Raptor Research Foundaton, Cape May, NJ, USA.

### **Public Presentations and Seminars**

- Shorebirds: What, Who? Where? Why? February 2009. Discovery Lab Series. Virginia Institute of Marine Science, Gloucester Point, VA.
- Those Crazy Cormorants. March 2006. Lake Champlain Basin Program, Grand Isle, VT.
- Natural History and Management of Double-crested Cormorants on Lake Champlain. March 2005. Otter Creek Audubon and Lake Champlain Committee, Vergennes, VT.
- Double-crested Cormorants on Lake Champlain – then and now. January 2005. The Friends of Missisquoi National Wildlife Refuge, Swanton, VT.
- Studies of Double-crested cormorants on Lake Champlain. 8 November 2003. High Peaks Audubon Society, Newcomb, NY.

---

### **Teaching Experience**

Mark-recapture Analysis. Fall 2013. Graduate level seminar. 1-2 semester credit hours. Forestry and Natural Resources, Wildlife Management. West Virginia University.

Ornithology. Spring and Fall 2010. Senior and graduate level course. 4 semester credit hours. Biology Department. College of William and Mary.

Principles of Wildlife Management, junior level course, 3 semester credit hours, Rubenstein School of Environment and Natural Resources. University of Vermont.

- Co- Instructor for 1/3 of course.
- Covered topics of food resources, population dynamics, social dimensions of wildlife management, human-wildlife interactions, and overabundant wildlife.

Guest Lecturer. Population Dynamics and Modeling: Cormorant Populations. 3 April 2008. BioMath Seminar, College of William and Mary, Williamsburg, VA.

Guest Lecturer. Population Dynamics of Double-crested Cormorants on Lake Champlain. 2 November 2005. Principles of Wildlife Management, University of Vermont, Burlington, VT.

Guest Lecturer. Learning from Anatomy. 23 February 2004. Ornithology. University of Vermont.

Guest Lecturer. Double-crested Cormorants on Lake Champlain: Why are they in the news? 12 March 2003. Ornithology. University of Vermont.

Guest Lecturer. Reproductive Value, Sensitivity and Elasticity Analysis. 23 April 2002. Population Dynamics and Modeling. University of Vermont, Burlington.

Guest Lecturer. Use of Radio Telemetry in Wildlife Ecology. 19 March 2002. Wildlife Ecology. Community College of Vermont.