

John J. Cox, Ph.D.

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EDUCATION

2003 Ph.D., Animal Sciences, University of Kentucky
1997 M.S., Biology, Morehead State University
1995 B.S., Major Biology/Minor Chemistry, Morehead State University

RESEARCH INTERESTS

Terrestrial vertebrate ecology, wildlife management, conservation biology, human dimensions in natural resources

APPOINTMENTS

7/2019-present **Associate Professor of Wildlife Ecology and Conservation Biology**
University of Kentucky Department of Forestry and Natural Resources
Mean Distribution of Effort (DOE): 60% Research, 40% Teaching

7/2013-6/2019 **Assistant Professor of Wildlife Ecology and Conservation Biology**
University of Kentucky Department of Forestry and Natural Resources
Mean Distribution of Effort (DOE): 65.3% Research, 34.7% Teaching

10/2006-6/2013 **Adjunct Assistant Professor of Wildlife and Conservation Biology**
University of Kentucky Department of Forestry
Duties: Conduct wildlife/conservation-related research, procure research funding, committee service, mentor undergraduate and graduate students. As overload or volunteer, teach conservation biology and other wildlife and conservation-oriented courses.

3/2005-4/2009 **Research Coordinator and Site Manager**
University of Kentucky College of Agriculture, Griffith Woods Farm
Duties: coordinate research and other activities, site infrastructure and vehicle maintenance, remove exotic species, reintroduce native species, conduct academic and public outreach.

1/2004-6/2006 **Research Scientist I**
University of Kentucky Department of Forestry
Duties: Assist with Dr. David Maehr's research, including wildlife and conservation-related fieldwork, scientific writing and analysis, and procurement of research funding.

CURRENT RESEARCH (Advisor or co-advisor for 5 students at UK; 3 M.S., 2 Ph.D.)

Fieldwork Stage

- Modeling the elk population in Kentucky (w/ Dr. Matt Springer and Dr. Sean Murphy)
- Population status of mountain lions in the White Mountains of AZ (w/ Dr. Sean Murphy)

- Characterization of avian communities at urban reforestation in central Kentucky (Mr. Kai Davis, M.S. student, Forestry and Natural Resources)

Analysis Stage

- Survival of elk calves in Kentucky (w/ Dr. Matt Springer); Ms. Kate Williams, (M.S. student, Forestry and Natural Resources)
- Interactions between wild and captive deer along fenced enclosures: a risk assessment for chronic wasting disease (w/ Dr. Matt Springer)
- Ecology of the Martial Eagle in the Masai Mara region of Kenya; Mr. Stratton Hatfield (Ph.D. student, Wageningen University)
- Effects of herbivory, competition, and fire on select trees of the Inner Bluegrass; w/ Dr. John Lhotka and Dr. Scott Gleeson); Mr. Jim Shaffer (Ph.D. student, Biology)
- Effects of timber harvest on breeding bird communities in a mixed-mesophytic forest (2005-present; w/ Dr. Jeffery Larkin, Dr. Chris Barton, Mr. Zach Hackworth, and Ms. Wendy Leuenberger)

Publication Stage

- Spatial, movement, and resource use patterns of elk in Kentucky (w/ Dr. Matt Springer); Mr. Nathan Hooven (M.S. student, Forestry and Natural Resources)
- Characterization of elk body condition and its relationship to capture, handling, and translocation; Mr. Aaron Hildreth (M.S. student, Forestry and Natural Resources)
- Evaluation of elk as potential vectors of invasive plant species in eastern Kentucky forests; Ms. Patricia Regard (M.S. student, Forestry and Natural Resources)
- Survival and cause-specific mortality of white-tailed deer in southeastern Kentucky; Mr. Joe McDermott (M.S. graduate students, Forestry and Natural Resources)
- Population ecology of black bears in eastern Kentucky; Dr. Sean Murphy (post-doc, UK Forestry and Natural Resources)
- Assessing impact of white-tailed deer on soybean yields (w/ Dr. Matt Springer); Mr. Johnathan Matthews (M.S. student, Forestry and Natural Resources)
- Survival, cause-specific mortality, and social dynamics of cow elk (w/ Dr. Phil Crowley); Ms. Brittany Slabach (Ph.D. student, Biology)
- Disease ecology of elk in southeastern Kentucky; Mr. John Hast (Ph.D. candidate, Animal and Food Science); Ms. Brittany Slabach (Ph.D. candidate, Biology)
- Resource selection, survival, and cause-specific mortality of bull elk in southeastern Kentucky; Mr. John Hast (Ph.D. candidate, Animal and Food Science)
- Eastern Elk Ecology and Management, edited book, (w/ Dr. Don White, Jr., University of Arkansas, and Dr. Jeff Larkin, Indiana University of Pennsylvania); publisher = Springer

PUBLICATIONS (n = 85)

(*indicates advised or co-advised grad student whose research the manuscript is wholly or partially based; **advised or co-advised undergraduate student, ***I served on their graduate committee in non-major advisory role, # advised post-doc. Corresponding authors if not listed first are indicated in boldface. If not first or corresponding author, my role is explained in italicized font within parentheses. Note that in my research lab I give graduate students the option of first authorship on all manuscripts from their research if they're willing to take a leading role in writing; usually I'm second or last author. Impact Factor (IF) from Journal of Citation Reports unless otherwise noted.

Peer-Refereed Journal Articles (66)

1. Hooven, N.D., K. Williams, J.T. Hast, J. McDermott, R.D. Crank, M.T. Springer, and J.J. Cox. 2023. Multi-scale influences on elk (*Cervus canadensis*) calving site selection across a fragmented Appalachian landscape. *Journal of Mammalogy In Press*. (2.29)
2. Williams, K., N.D. Hooven, J.T. Hast, C. Casey, N.M. Nemeth, A. Weyna, M.T. Springer, and J.J. Cox. 2023. Congenital vertebral malformation in a neonatal elk. *Journal of Wildlife Diseases* 59: 532-535. (IF = 1.36)
3. Raybuck, D., T.J. Boves, S.H. Stoleson, J.L. Larkin, N.J. Bayly, L.P. Bulluck, G.A. George, K.G. Slankard, L.J. Kearns, S. Petzinger, John J. Cox, D.A. Buehler. 2022. Cerulean warblers exhibit parallel migration pattern and multiple migratory stopovers within the Central American isthmus. *Ornithological Applications* 124(4)
<https://doi.org/10.1093/ornithapp/duac031> (IF = 3.04)
4. Murphy, S.M.#, R.A. Beausoleil, H. Stewart. And J.J. Cox. 2022. Review of puma density estimates reveals sources of bias and variation, and the need for standardization. *Global Ecology and Conservation* 35:e02109 (IF = 3.30)
5. Wolf-Gonzales, G.*, S.M. Murphy#, M. Springer, and J.J. Cox. 2022. Dryland river restoration via carnivore reintroduction: non-native fauna dominate diets of river otters reintroduced to the Upper Rio Grande. *Journal of Arid Environments* 204: 104793 (IF = 2.78)
6. Hackworth, Z.*, J. Felch*, S.M. Murphy#, and J.J. Cox. 2022. Detectability of Common Ravens (*Corvus corax*) in the eastern USA: rapid assessment of a recolonizing species. *Ecosphere* 13:e4148 (IF = 3.17)
7. Hooven, N.D.*,K.E. Williams*, J.T. Hast, J.R. McDermott, R.D. Crank, G. Jenkins, M.T. Springer, and J.J. Cox. 2022. Using low-fix GPS telemetry to expand estimates of ungulate reproductive success. *Animal Biotelemetry* 10:5 (IF = 2.36)
8. Murphy, S.M.#, J. Adams, L. Waits, and J.J. Cox. 2021. Evaluating otter reintroduction outcomes using genetic spatial capture-recapture modified for dendritic networks. *Ecology and Evolution in press*. (IF = 2.39)
9. Davis, A.,* S. Fei, and J.J. Cox. 2021. Alternative 2070: Mitigating the effects of projected sea level rise and urbanization on Florida black bear and Florida panther habitat. *Journal for Nature Conservation* 63: 126052. (IF = 2.83)
10. Maigret, T.J.,* J.J. Cox, and D. Weisrock. 2020. A spatial genomic approach identifies time lags and historic barriers to gene flow in a rapidly fragmenting Appalachian landscape. *Molecular Ecology* 29:673-685. (IF = 7.05)

11. McDermott, J.R.,* W. Leuenberger, C.A. Haymes,* G. Clevenger, J.K. Trudeau, T.C. Carter, J.T. Hast,* G.S. Jenkins, W.E. Bowling,* and J.J. Cox. 2020. Safe use of butorphanol-azaperone-medetomidine to immobilize free-ranging white-tailed deer. *Wildlife Society Bulletin* 44:281-291. (IF = 1.29)
12. Hackworth, Z.J.,* J.J. Cox, J.M. Felch,* and M.D. Weegman. 2019. A growing conspiracy: recolonization of Common Ravens (*Corvus corax*) in Central and Southern Appalachia, USA. *Southeastern Naturalist* 18(2) 281-296. (IF = 0.38)
13. Augustine, B.C., J.A. Royale, S.M. Murphy, R.B. Chandler, J.J. Cox, and M.J. Kelly. 2019. Spatial capture-recapture for categorically marked populations with an application to genetic capture-recapture. *Ecosphere* 10(4): e02627. (IF = 2.67)
14. Maigret, T.A.,* J.J. Cox, and J. Yang. 2019. Persistent geophysical effects of mining imperil the biodiversity of Appalachian forests. *Frontiers in Ecology and the Environment*. 17(2) DOI: 10.1002/fee (IF = 9.3).
15. Murphy, S.M.,* B.C. Augustine,* J. Adams, L. Waits, and J.J. Cox. 2019. Integrating multiple genetic detection methods to estimate density of social, territorial carnivores. *Ecosphere* 9(10) doi.org/10.1002/ecs2.2479. (IF = 2.49)
16. Murphy, S.M., J.T. Hast, B.C. Augustine, D. Weisrock, J.D. Clark, D.M. Kocka, C.W. Ryan, J.J. Sajecki, and J.J. Cox. 2019. Early genetic outcomes of American black bear reintroductions in the Central Appalachians, USA. *Ursus* 29:119-133. (IF = 1.09)
17. Murphy, S.M.,* J.R. Adams, J.J. Cox, and L.P. Waits. 2018. Substantial red wolf genetic ancestry persists in wild canids of southwestern Louisiana. *Conservation Letters* 12(2) doi.org/10.1111/conl.12621 (IF=7.40)
18. Slabach, B.,* J.T. Hast,* S. Murphy,* W. Bowling, R.D. Crank, G. Jenkins, K. Johannsen, and J.J. Cox. 2018. Survival and cause-specific mortality of elk (*Cervus canadensis*) in Kentucky, USA. *Wildlife Biology* 10.2981/wlb.00459. (IF=2.08)
19. Spaulding, S.H.,* J.J. Cox, T.A. Maigret,* A.N. Drayer, J.M. Richards, and J. Treanor. 2018. Low-level *Batrachochytrium dendrobatidis* detection persists in plethodontid salamanders following timber harvest in Kentucky, USA. *Herpetological Review* 49(2):258-262. (IF=0.16)
20. Haymes, C.A.,* J.R. McDermott,* G.S.W. Jenkins, W.E. Bowling, J.T. Hast,* K.L. Johannsen, and J.J. Cox. 2018. Survival and cause-specific mortality of white-tailed deer in southeastern Kentucky. *Journal of the Proceedings of the Association of the Southeastern Fish and Wildlife Agencies* 5:90-96. (IF=unlisted)
21. Hackworth, Z.,* J. Lhotka, J.J. Cox, C.D. Barton, and M.T. Springer. 2018. First-year vitality of reforestation plantings in response to herbivore exclusion on reclaimed Appalachian surface-mined land. *Forests* 9(4) 222 9(4), doi.org/10.3390/f9040222 (IF=1.95)

22. Mueller, L.I., J.L. Murrow, J.L. Lupardus, J.D. Clark, J.G. Yarkovich, W.H. Stiver, E.L. Delozier, B.S. Slabach,* J.J. Cox, and B.F. Miller. 2018. Genetic structure in elk persists after reintroduction in Tennessee and North Carolina. *Journal of Wildlife Management* *In press*. (IF=2.06)
23. Maignret, T.,* and J.J. Cox. 2018. *Agkistrodon contortrix* hibernacula. *Herpetological Review*. 49(1):123. (IF=0.16)
24. Slabach, B.,* A. McKinney,** J. Cunningham,** J. Hast,* and J.J. Cox. 2018. A survey of tick species in a recently reintroduced population of elk: implications for interstate translocation of zoonotic vectors. *Journal of Wildlife Diseases* 54(2):366-370 doi: 10.7589/2017-06-135 (IF=1.19)
25. Kristensen, T., E. Puckett, E. Landguth, J. Belant, J.T. Hast*, C. Carpenter, J. Sajecki, J. Beringer, M. Means, J.J. Cox, L. Eggert, D. White, Jr., and K. Smith. 2018. Spatial genetic structure in American black bears (*Ursus americanus*): female philopatry is variable and related population history. *Heredity* 120:329-341 (IF=3.96)
26. Murphy, S.M.,* W.A. Ulrey, B.C. Augustine,* J.M. Guthrie,* B.K. Scheick, J.W. McCowan, and J.J. Cox. 2017. Consequences of severe habitat fragmentation on density, genetics, and spatial capture-recapture analysis of a small bear population. *PLoS ONE* 12(7):e0181849 (IF=3.54)
27. Cox, J.J., S.M. Murphy*, B.C. Augustine*, J.M. Guthrie*, J.T. Hast*, S.C. Maehr, and J. McDermott*. 2017. Seroprevalence of *Toxoplasma gondii* in American Black Bears (*Ursus americanus*) of the Central Appalachians, USA. *Journal of Wildlife Diseases* 54: doi: [10.7589/2016-08-188](https://doi.org/10.7589/2016-08-188) (IF=1.19).
28. Murphy, S.M.,* W.A. Ulrey, J.M. Guthrie*, D.S. Maehr, W.G. Abrahamson, S.C. Maehr, and J.J. Cox. 2017. Food habits of a small Florida black bear population in an endangered ecosystem. *Ursus* 28:92-104 (IF=0.97)
29. Cox, J.J., B. Slabach,* J.T. Hast,* S.M. Murphy,* O.C. Kwok, and J.T. Dubey. 2017. High seroprevalence of *Toxoplasma gondii* in elk (*Cervus canadensis*) of the central Appalachians, USA. *Parasitology Research* 116:1079–1083. (IF=2.03)
30. Cilles, S.E.,*** G. Coy, C.R. Stieha, J.J. Cox, P.H. Crowley, and D.S. Maehr. 2017 A comparison of seed predation, seed dispersal, and seedling herbivory in oak and hickory; species with contrasting regenerating abilities in a Bluegrass savanna-woodland habitat. *Northeastern Naturalist* 23:466-481 (IF=0.57)
31. Murphy, S.M.* , J.J. Cox, B. Augustine*, J.T. Hast*, J.M. Guthrie*, J. Wright, J. McDermott*, S. Maehr, and J. Plaxico. 2016. Characterizing recolonization by a reintroduced bear population using genetic spatial capture–recapture. *Journal of Wildlife Management* 80:1390-1407 (IF=1.73)

32. Treanor, J.T.,* C. Geremia, M.A. Ballou, D.H. Keisler, P.J. White, J.J. Cox, and P.H. Crowley. 2015. Maintenance of brucellosis in Yellowstone bison: linking seasonal food resources, host-pathogen interaction, and life-history trade-offs. *Ecology and Evolution* 5:3783-99. (IF=2.32)
33. Murphy, S.M.* , J.J. Cox, J.D. Clark, J.T. Hast*, B.C. Augustine*, D. Gibbs, and M. Strunk. 2015. Demographic and genetic characteristics of a reintroduced black bear population in the Central Appalachians. *Journal of Wildlife Management* 79:807-818. (IF=1.73)
34. Maignet, T.A.*, J.J. Cox, D.R. Schneider*, C.D. Barton, S.J. Price, and J.L. Larkin. 2014. Effects of streamside management zone timber harvest on salamander populations in ephemeral streams of southeastern Kentucky. *Forest Ecology and Management* 324:46-51. (IF=2.67)
35. Maignet, T.A.* , and J.J. Cox. 2014. A review of best management practices and the mitigation of stream-breeding salamanders in the eastern deciduous forest. Proceedings of the 21st Central Hardwood Forest Conference. General Technical Report P-142 U.S. Forest Service, Northern Research Station.
36. Ehlman, S.** , J.J. Cox, and P.H. Crowley. 2013. Evaporative water loss model of white-nose syndrome in the hibernating little brown myotis (*Myotis lucifugus*). *Journal of Mammalogy* 94:572-583. (IF=2.3)
37. Unger, D.E., J.J. Cox, H.B. Harris, J.L. Larkin, B. Augustine*, S. Dobey, J.M. Guthrie, J.T.Hast*, R. Jensen, S. Murphy*, J. Plaxico, and D.S. Maehr. 2013. A brief history and current status of the black bear in Kentucky. *Northeastern Naturalist* 20(2):289-308. (IF=0.8)
38. Chambers, D.L., W.A. Ulrey, J.M. Guthrie*, O.C.H. Kwok, J.J. Cox, D.S. Maehr, and J.P. Dupey. 2012. Seroprevalence of *Toxoplasmosis gondii* in free-ranging black bears in Florida. *Journal of Parasitology* 98:674-675. (IF=1.4)
39. Tedder, S.,* J.J. Cox, P.H. Crowley, and D.S. Maehr. 2012. Black bears, palms, and giant palm weevils: an intraguild mutualism. *The Open Ecology Journal* 5:18-24. (IF=1.9)
40. Crowley, P.H., and J.J. Cox. 2011. Intraguild mutualism. *Trends in Ecology and Evolution* 12:627-633. (IF=15.8)
41. Treanor, J.,* C. Geremia, P.H. Crowley, J.J. Cox, P.J. White, R. Wallen, and D. Blanton. 2011. Estimating probabilities of active brucellosis infection in Yellowstone bison through quantitative serology and tissue culture. *Journal of Applied Ecology* 48:1324-1332. (IF=5.04)
42. Augustine, B.,* P.H. Crowley, and J.J. Cox. 2011. A mechanistic model of GPS collar fix acquisition. *Ecological Modeling* 222:3615-3625. (IF=2.3)
43. Fei, S., J.J. Cox, and A. Whittle*. 2011. A perfect storm threatens recovery of the Florida

- panther. *Frontiers in Ecology and the Environment* 9(6):317-318. (IF=9.1)
44. Cox, J.J. 2011. Tales of a repatriated megaherbivore: challenges and opportunities for management of reintroduced elk in Appalachia. *Proceedings of the 17th Central Hardwood Forest Conference:632-642*. General Technical Report P-78. U.S. Forest Service, Northern Research Station.
 45. Treanor, J.,* J. Johnson, R. Wallen, S. Cilles, P. Crowley, J.J. Cox, D.S. Maehr, P.J. White, and G. Plumb. 2010. Vaccination strategies for managing brucellosis in Yellowstone bison. *Vaccine* 28F:F64-72. (IF=3.57)
 46. Olsson, P.M.O., J.J. Cox, J.L. Larkin, P. Widen, and A. Olofsson. 2010. Space and habitat use of non-migrating moose in coastal southwestern Sweden. *European Journal of Wildlife Research* doi 10.1007/s10344-010-0418-5 (IF=1.22)
 47. Larkin, J.L., D.S. Maehr, J. J. Krupa, J.J. Cox, K.A. Alexy, D. Unger, and C. Barton. 2008. Response of small mammals to 3 post-coal mining reclamation treatments. *Southeastern Naturalist* 7:401-412 (IF=0.36)
 48. Cox, J.J., and P.S. Crowley. 2007. The Bluegrass restoration program at Griffith Woods. *Ecological Restoration* 25:72-73. (IF=0.28; ResearchGate)
 49. Olsson, P.M.O., J.J. Cox, J.L. Larkin, D.S. Maehr, P. Widen, M.W. Wichrowski. 2007. Movement and activity patterns of translocated elk (*Cervus elaphus nelson*) on an active coal mine in Kentucky. *Wildlife Biology in Practice* 3:1-8. (no IF listed)
 50. Cox, J.J., J.L. Larkin, and D.S. Maehr. 2006. Florida panther habitat use: new approach to an old problem. *Journal of Wildlife Management* 70:1778-1785. (IF=1.91; ResearchGate)
 51. Maehr, D.S., P.S. Crowley, J.J. Cox, M.J. Lacki, J.L. Larkin, T.S. Hoctor, L.D. Harris, and P.M. Hall. 2006. Of Florida panthers and haruspices: genetic intervention in the Florida panther. *Animal Conservation* 9:127-132. (IF=2.6; ResearchGate)
 52. Dzialak, M.R., M.J. Lacki, K.M. Carter, K. Huie, and J.J. Cox. 2006. A critical assessment of hacking as a raptor reintroduction technique. *Wildlife Society Bulletin* 34:542-547. (IF=0.45; ResearchGate).
 53. Schneider, J., D.S. Maehr, K.A. Alexy, J.J. Cox, J.L. Larkin, and B.C. Reeder. 2006. Food habits of reintroduced elk in southeastern Kentucky. *Southeastern Naturalist* 5:535-546. (IF=0.84; ResearchGate).
 54. Seward, N.W., D.S. Maehr, J. Gassett, J.J. Cox, and J.L. Larkin. 2005. Field searches versus vaginal-implant transmitters for locating elk calves. *Wildlife Society Bulletin* 33:751-756. (IF=0.70; ResearchGate).
 55. Wichrowski, M.W., D.S. Maehr, J.L. Larkin, J.J. Cox, and M. Olsson. 2005. Activity and

- movements of reintroduced elk in southeastern Kentucky. *Southeastern Naturalist* 4:365-374. (IF=0.65; ResearchGate)
56. Cox, J.J., and D.S. Maehr. 2005. Surface mining and wildlife resources: addition and subtraction on the Cumberland Plateau. *Transactions of the North American Wildlife and Natural Resources Conference* 69:234-250. (IF unlisted)
57. Larkin, J.L., J.J. Cox, M. W. Wichrowski, M.R. Dzialak, and D.S. Maehr. 2004. Influences of release site fidelity of translocated elk. *Restoration Ecology* 12:97-105 (IF=2.35; ResearchGate).
58. Maehr, D.S., J.L. Larkin, and J.J. Cox. 2004. Shopping centers as panther habitat: inferring animal locations from models. *Ecology and Society* 9(2): 9. [online] URL: <http://www.ecologyandsociety.org/vol9/iss2/art9> (IF=1.63; ResearchGate)
59. Larkin, J.L., D.S. Maehr, J.J. Cox, D.C. Bolin, and M.W. Wichrowski. 2003. Demographic characteristics of a reintroduced elk population. *Journal of Wildlife Management* 67:467-476. (IF=1.86; ResearchGate).
60. Cox, J.J., N.W. Seward, J.L. Larkin, and D.S. Maehr. 2003. Common raven nests in eastern Kentucky. *Southeastern Naturalist* 2:99-104. (closest year 2005, IF=0.65; ResearchGate)
61. Larkin, J.L., K. J. Alexy, D. Bolin, D.S. Maehr, J.J. Cox, M.W. Wichrowski, and N.W. Seward. 2003. Meningeal worm in a reintroduced elk population in Kentucky. *Journal of Wildlife Diseases* 39:588-592. (IF=0.85; ResearchGate)
62. Maehr, D.S., J.L. Larkin, K.J. Alexy, R.J. Warren, N.W. Seward, J.W. Day, T. Toman, J.J. Cox, and M.A. Orlando. 2002. Graduate education should not count more toward TWS certification. *Wildlife Society Bulletin* 30:979-982. (IF=0.66; ResearchGate)
63. Larkin, J.L., D.S. Maehr, J.J. Cox, and C. Logsdon. 2002. Reproductive performance of yearling male elk (*Cervus elaphus nelsoni*) in a reintroduced population in southeastern Kentucky. *Southeastern Naturalist* 1:279-286. (closest year 2005, IF=0.65; ResearchGate)
64. Cox, J.J., D.S. Maehr, and J.L. Larkin. 2002. The biogeography of faunal place names in the United States. *Conservation Biology* 16:1143-1150. (IF=1.6; ResearchGate)
65. Larkin, J.L., D.S. Maehr, J.J. Cox, M. W. Wichrowski, and R.D. Crank. 2002. Factors affecting reproduction and population growth in a restored elk population. *Wildlife Biology* 8:49-54. (IF=0.56; ResearchGate).
66. Cox, J.J., L. Meade, D. Yancy, and D.S. Maehr. 2001. Taxonomic status of wild *Canis* in Kentucky. *Proceedings of the Annual Conference of the Southeastern Fish and Wildlife Agencies* 55:408-417.

Non-refereed Journal Articles (5)

1. Murphy, S.M., D.S. Maehr, and J.J. Cox. 2008. Black bear foods and family dissolution in south central Florida. *Kaleidoscope: University of Kentucky Journal of Undergraduate Research* 7(1):123.
2. Cox, J.J. 2007. Black vulture fledges young in historic Griffith Tavern. *Kentucky Warbler* 83:36-37.
3. Seward, N.W., J.J. Cox, J.H. Brown, and J.L. Larkin. 2005. Use of elk hair as nesting material by the eastern phoebe. *Kentucky Warbler* 81:33.
4. Cox, J.J., and J.L. Larkin. 2004. Monitoring the state-endangered common raven (*Corvus corax*) in southeastern Kentucky. (Invited paper) *Endangered Species Bulletin* 21:109-112.
5. Cox, J.J., R.D. Crank, and D.S. Maehr. 2000. Bald eagle scavenges a white-tailed deer carcass at Redbird Wildlife Management Area. *Kentucky Warbler* 76:51-52.

Book Chapters (5)

1. Lituma, C.M., J.J. Cox, S.F. Spear, J.W. Edwards, J.L. De La Cruz, L.I. Muller, and M.W. Ford. 2020. Terrestrial wildlife in the post-mined Appalachian landscape: status and opportunities. Pages 167-192. *In*, C. Zipper and J. Skousen (eds.). *Appalachia's coal-mined landscapes*. Springer.
2. Maehr, D.S., J.J. Cox, and J.L. Larkin. 2006. North American Elk, or Wapiti, *Cervus Elaphus*. Pages 293-314. *In*, M. Trani, W.M. Ford, and B.R. Chapman (eds.). *The land manager's guide to mammals of the South*. USDA Forest Service, Atlanta, GA and The Nature Conservancy, Durham, NC. 546 pp.
3. Maehr, D.S., M.A. Orlando, and J.J. Cox. 2005. Large carnivores, herbivores, and omnivores in South Florida: An evolutionary approach to conserving landscapes and biodiversity. Pages 293-314. *In*, J. Ray, J. Berger, and K. Redford (eds.), *Large carnivores and biodiversity: does saving one conserve the other?* Island Press, Washington, D.C.
4. Maehr, D.S., J.J. Cox, and J.L. Larkin. 2002. Landscape history: linking conservation approaches for large mammals. Pages 321-340. *In*, J.A. Bissonette and I. Storch (Eds.). *Landscape ecology and resource management: linking theory with practice*. Island Press, Washington D.C.
5. Larkin, J.L., D.S. Maehr, L. Cornicelli, J.J. Cox, and R. Grimes. 2001. Returning elk to Appalachia: foiling Murphy's Law. Pages 101-117, *In*, D.S. Maehr, R. Noss, and J.L. Larkin (editors). *Large mammal restoration: ecological and sociological challenges in the 21st century*. Island Press, Washington D.C.

Book Review (1)

1. Cox, J.J. 2013. Book review: *Reintroduction biology: integrating science and management*. *Journal of Wildlife Management* 77(5):1079-1080.

Federal Technical Reports (3)

1. Aune, K., J.J. Cox, V. Ezenwa, A. Jolles, T. Kreeger, M. Miller, P. Nara, and S. Olsen. 2013. Brucellosis science review workshop panelist's report. Yellowstone National Park, Mammoth Hot Springs, WY. 20 pp.
2. Davis III, S.E., K. Hines, W. Conner, J.J. Cox, D. Gawlik, J. Jackson, J. Jones, F.M. Wilhelm, and J. Richards. 2010. Oil and gas impacts in the Big Cypress Ecosystem: an analysis of impacts associated with proposed activities in the Nobles Grade area. The Everglades Foundation. 269 pp.
3. Larkin, J.L., J. Treanor, J.J. Cox, D.S. Maehr, and G. Plumb. 2003. A comprehensive rapid-assessment approach for research agenda: elk (*Cervus elaphus*) at Yellowstone National Park. Technical Report, Yellowstone National Park, Mammoth Hot Springs, Wyoming. 177 pp.

Extension Publications (5)

1. Cox, J.J. 2019. Coyotes in the Commonwealth. Kentucky Woodlands Magazine 13(1):20-21
2. Cox, J.J. 2015. Kentucky Forests: A World of Wildlife. 2015. Written, directed, and produced video. 25 min. Released 8/15. Used at KY Wood Expo and other extension venues.
3. Cox, J.J. 2014. Ten-thousand or bust: elk research in Kentucky. Kentucky Woodlands Magazine. 9(1):10-11.
4. Cox, J.J. 2014. Black bears in Kentucky. Available webinar. 10/21.
5. Stringer, J., J.J. Cox, and B. Thomas. 2008. Invasive species hit list: bush honeysuckle. Kentucky Woodlands Magazine 3(3) 13-15.

GRANTS (Total grants and amount: 50, ~\$3 million)

MENTORSHIP: Advised/co-advised 37 students (31 M.S., 6 Ph.D.) and served on committee of 25 others. Wildlife Minor Coordinator; Forestry and NRES undergraduate advisor/mentor

PRESENTATIONS (170+); various international, national, regional, and state meetings

EXTENSION

(TV, web media, magazines, and newsletters showcasing research, teaching, or wildlife expertise has reached hundreds of thousands if not millions of viewers globally)

Public Mass Media

1. Davis, K. August 10, 2022. Episode 115. Avian monitoring in Reforest The Bluegrass plots. Radio podcast from the University of Kentucky, Department of Forestry and Natural Resources show, From the Woods Today. <http://forestry.ca.uky.edu/episode/woods-today-birding>
2. Kentucky Life TV Series. May 28, 2022. Elk in Kentucky. <https://www.youtube.com/watch?v=HoHywISfwQw&list=PL29BBB36F440E7D93&index=12>

3. KY Afield TV Series. May 2021. Capturing elk with a helicopter.
<https://www.youtube.com/watch?v=jThJW2ySzMk>
4. KY Afield TV Series. August 2020. Kentucky elk calf mortality study:
<https://www.youtube.com/watch?v=i3RWjUeD5eM>
5. Doyle, M. 2019. Elite study deems red wolves distinct. (cites a comprehensive National Academy of Sciences report that heavily relied on our research). March 28. Humane Society Newsletter (one example of many news outlets in print, broadcast, and web, including the Washington Post, ABC News, Environmental Network News, and see # next entry).
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7. Boyd, L. April 13, 2019. How to restore a million acres of strip-mined land? Bring in the elk. (our UK elk research cited throughout). Yes! Magazine.
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8. Cox, J.J. 2019. Earth Day. Radio podcast from the University of Kentucky, Department of Forestry and Natural Resources show, From the Woods Kentucky.
<https://forestry.ca.uky.edu/episode-33-earth-day>
9. Wolf, G. 2019. River Otters. Radio podcast from the University of Kentucky, Department of Forestry and Natural Resources show, From the Woods Kentucky.
<https://forestry.ca.uky.edu/episode-32-river-otters>
10. Frey, D. 2018. Hybrids-and maybe a full red wolf-found in former range. The Wildlife Professional (The Wildlife Society). December 18 online newsletter about our collaborative research study.
11. Cox, J.J. 2018. White-tailed Deer. Radio podcast from the University of Kentucky, Department of Forestry and Natural Resources show, From the Woods Kentucky.
<https://forestry.ca.uky.edu/episode-17-deer>
12. Hatfield, S. 2018. Martial eagles. Radio podcast from the University of Kentucky, Department of Forestry and Natural Resources show, From the Woods Kentucky.
<https://forestry.ca.uky.edu/episode-5-martial-eagles>
13. Cox, J.J. 2018. Black bears. Radio podcast from the University of Kentucky, Department of Forestry and Natural Resources show, From the Woods Kentucky.
<https://forestry.ca.uky.edu/episode-4-black-bears>

14. WKYT. 2018. Foxes caught in the limelight at Shiloto Park, Lexington.
<https://www.wkyt.com/content/news/Foxes-caught-in-the-limelight-at-Lexingtons-Shillito-Park-489181791.html>
15. Spence, C. 2017. Tracking the elusive Martial eagle. The Magazine: University of Kentucky College of Agriculture. 18:24. https://issuu.com/ukcafe/docs/themagazine_2017-vol18_no1
16. WKYT. 2017. Students take to the sky to survey elk. March 9.
<http://www.wkyt.com/content/news/UK-students-take-to-the-sky-to-survey-Ky-elk-population-415833863.html>
17. KY Afield TV Series: July 5 2016. Capturing white-tailed deer fawns.
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19. Natural Born Monsters TV Series. 2016. Season 1 Episode 8: Eastern Cougars. The Weather Channel.
20. Baker, D. 2016. Kentucky's bears: Where do they grow from here? Kentucky Afield Magazine, Winter Issue. <https://fw.ky.gov/Kentucky-Afield/Documents/KAwinter16kentuckys%20bears.pdf>.
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<http://www2.ca.uky.edu/agcomm/Magazine/2015/Winter2015/index.html>
23. Cox, J.J. 2015. Kentucky Forests: A World of Wildlife. 2015. Video. 25 min. Used at KY Wood Expo and other extension venues.
24. McCreary County Tourist Commission. 2015. Black bears return to the Big South Fork. McCreary County Tourist Commission. <http://mccrearytourism.com/index.php/news-events/item/142-black-bears-return-to-the-big-south-fork>.
25. WLEX TV Interview: Dec 2014. Interview on cougar shot dead in Bourbon County, KY.
26. Cox, J.J. 2014. Ten-thousand or bust: elk research in Kentucky. Kentucky Woodlands Magazine. 9(1):10-11.
27. Cox, J.J. 2014. Black bears in Kentucky. Available webinar on UK Extension. 10/21.

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30. Spence, C. 2013. Friends not foes (timber rattlesnake study). The Magazine: University of Kentucky College of Agriculture. Spring.
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31. Baker, D. 2012. Elk round-up. Kentucky Afield Magazine. Spring.
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34. WYMT TV Interview. June 2012. Black bears in eastern Kentucky and Cumberland Gap National Park.
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