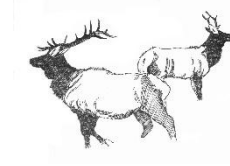


Curriculum Vitae Dr. Evelyn Hunter Merrill



ADDRESS: Department of Biological Sciences
University of Alberta, CCIS 1-281
Edmonton, AB T6G 2E9, Canada
(780) 492-2842; e-mail: emerill@ualberta.ca

EDUCATION:

- 1987 – Ph.D., University of Washington, Seattle
- 1978 – M.Sc., University of Idaho, Moscow
- 1974 – B.A., St. Lawrence University, Canton, New York
- 1973 – University of Vienna, Vienna, Austria
- 1969 – Sorbonne University, Paris, France

RESEARCH INTERESTS: Research interests include foraging and nutritional ecology of ungulates, trophic interactions among plants, ungulates and carnivores and land use impacts on wildlife populations. Current research uses modeling to address how landscape patterns influence, predator-prey behaviours and disease spread.

ACADEMIC POSITIONS:

Professor Emerita	2020-present	Department of Biological Sciences, University of Alberta
Visiting scientist	2022-2023	Inland Norway University of Applied Sciences, Faculty of applied ecology, agricultural sciences and biotechnology
Contracted professorship	2020-2023	Department of Biological Sciences, University of Alberta
Professor	2007-2020	Department of Biological Sciences, University of Alberta. Tenured faculty – 50% teaching & service, 50 % research.
Associate Professor	1999-2007	Department of Biological Sciences, University of Alberta. Tenured faculty – 50% teaching & service, 50 % research
Associate Professor	1996-1999	University of Wisconsin-Stevens Point, Stevens Point, WI. Tenured faculty – 50% teaching, 25% outreach & 25% GIS lab coordinator.
Assistant Professor	1994-1999	University of Wisconsin-Stevens Point, Stevens Point, WI. Tenure-track faculty – 25% teaching, 25% research.
Assistant Professor	1990-1994	Department of Zoology and Physiology, University of Wyoming, Laramie, WY. Tenure-track faculty – 50% teaching and service, 50% research.
Visiting Professor	1986-1989	Department of Zoology and Physiology, University of Wyoming, Laramie, WY. Lecturer – 100% teaching.
Teaching Assistant	1984	Bio 442- Mammalogy, University of Washington, Seattle.
Affiliate Professor	1983-1984	San Francisco State University, Wildlands Institute
Project Leader	1982-1983	School for Field Studies, Cambridge, MA.
Teaching Assistant	1982-1986	University of Washington, Seattle, WA.
Graduate Research	1975-1978	University of Idaho, Moscow, ID.

OTHER POSITIONS:

Wildlife Research Biologist	1979-1982	Idaho Fish and Game, Idaho Falls, ID.
Wildlife Biologist	1979	Bureau of Land Management, Idaho Falls, ID.
Wildlife Biologist	1978	Bureau of Land Management, Washington, DC.
Wildlife Technician	1975	Glacier National Park, MT.

ACADEMIC, ADMINISTRATIVE, AND SERVICE COMMITTEES:

Canadian National Committees

Member	2019-2021	National Committee Canadian Council of Animal Care- Wildlife Subcommittee
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Alberta Committees

Member	2023-2028	Advisory Committee, Office Chief Scientist, Ministry of Environment & Protected Areas
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The Wildlife Society

President-elect	2025-2026	TWS Executive Board
Vice President	2024-2025	TWS Executive Board
Chair	2022-2024	Publications Committee
Member	2019-2021	Publications Committee
Chair	2020-2021	Positions Statement
Member	2022-2024	Positions Statement

University of Alberta

Member	2012-2020	Univ. Animal Policy and Welfare Committee
Member	2016	Selection Committee: Ecologist Position
Member	2011-2014	Science Advisory Selection Committee
Member	2011-2014	General Awards Committee- BioSciences
Chair	2009-2010	Biosciences Animal Use & Care Committee
Member	2008-2015	Univ. Animal Policy and Welfare Committee
Member	2009-2019	Field Research Activities Committee
Member	2008-2009	Faculty of Science: Kaplan Award Committee
Coordinator	2007-2009	Alberta Coop. Conservation Research Unit
Member	2008	Selection Committee: Aquatic Biologist
Committee Member	2006-2015	Environmental Biology & Ecology
Committee Member	2005-2007	Student and Postdoctoral Award Committee
Committee Member	2006	Committee on Issues for Field Research at University of Alberta
Committee Member	2004-2015	Geographic Information Systems Advisory Committee
Committee Chair	2000-2004	Geographic Information Systems Advisory Committee
Committee Member	2000-2003	Learning Initiative Committee
Committee Member	2004-2012	Biological Sciences Animal Care Committee
Committee Member	2004-2005	New Interdisciplinary Science Building Committee
Committee Member	1999-2008	Ecology & Environmental Science Curriculum

Committee Member	1999-2005	Plant Biology Research & Curriculum Committee
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PROFESSIONAL DEVELOPMENT ACTIVITIES:

2018	Wilderness First Aid, Univ. Alberta, Edmonton, Feb 22-23.
2017	Canadian Assoc. Zoo & Wildlife Veterinarians Chemical Immobilization Course, Jan 20-22
2014	Spatial Recapture Workshop: Edmonton, AB, 20-25 July
2012	Movement Models Workshop: Hedmark University, Evanstad, Norway, 8-10 Aug
2010	Institute for Complex Data Structure: statistical workshop, Montreal, CA 4-5 Mar
2009	Program Mark Workshop, The Wildlife Society, Monterey, CA, 24 Sept
2008	Occurrence and Detection Workshop, D. McKenzie, Edmonton, AB 21-26 Oct
2008	Infectious Disease Modeling Workshop. Math & Stats, U. Alberta, Edmonton, AB. 1-13 May.
2008	Landscape Genetics. Landscape Ecology Assoc, Madison, WI., 7 Apr.
2006	Alberta Veterinary Research Institute Workshop, Edmonton, AB. 27 Jan.
2006	Crossing Boundaries: Making partnerships work. Univ. Alberta, 16-17 Mar.
2005	GLIM/GAM workshop in habitat modeling, Rideralp, Switzerland, 23-27 Aug.
2003	U of Alberta Animal Care Course- Part I. Edmonton, AB. 9 Apr.
2003	Survival Analysis Workshop, Christchurch, New Zealand. 5 Dec.
2001	Photography and Videography in Resource Assessment Workshop, Amherst, MA. 16-18 May.
1999	Geostatistics Workshop, Rutgers University, Princeton, NJ, 22-26 Jun.
1998	ArcInfo. Course, Agric. & Life Sciences, U. Wisconsin-Madison, 9-12 Jun.
1997	Chemical Immobilization of Animals & Safe-capture, U. Wisconsin-Stevens Point. 25-26 Oct.
1997	GIS and Internet Instruction Workshop. University of Wisconsin-Stevens Point, Aug. 18.
1996	U of Wisconsin-Stevens Point Development Award: <i>Linking Splus and GIS</i> , Houston, TX. 15-19 Jan.
1993	Biomodeling Workshop, National Science Foundation, U Montana, Missoula, MT.

CURRENT CERTIFICATIONS:

Firearms recertification	2020	Alberta Environment
Chemical immobilization of wildlife	2017	Canadian Assoc. Zoo & Wildlife Vet
Horse packing- backcountry	2016	Banff National Park, AB
Small boat operators license	2016	Prince Rupert, BC
Marine radio course	2012	Edmonton Marine Squadron, AB
Scuba diving certification	2009	PADI, AB
Horse packing	2011	Wilmore Wilderness Assoc. AB
AB Resident Furbearer Trapping license	2003	Alberta Environment, AB
Firearms instruction certification	2000	Alberta Environment, AB
Certified Wildlife Biologist	2000	The Wildlife Society, MD

AWARDS AND RECOGNITION:

Alberta Chapter – The Wildlife Society	2020	Best Technical Journal Article Award
International Journal of Forest Research	2018	Excellence in Journal Review
Student Choice Honor Roll	2018	Faculty of Science, University of Alberta
Wildlife Research Award	2017	Rocky Mountain Elk Foundation
Group Special Recognition Award	2017	Alberta Chapter, The Wildlife Society
Distinguished Service Award	2016	The Wildlife Society
Alumnae Achievement Award	2015	University of Idaho
William Rowan Professional Service	2013	Alberta Chapter of The Wildlife Society

Wildlife Society Fellow	2012	The Wildlife Society
Special Recognition Award	2011	Alberta Trappers Association
Dedicated Service Award	2011	Alberta Chapter, The Wildlife Society
Induction	2011	Boone and Crockett: Professional Member
Honorable mention	2008	Honorable mention: paper in <i>Landscape Ecology</i>
Improv lecture, winner	2005	UA-Alberta Student Chapter, Wildlife Society
Outstanding College Faculty Member	1998	College of Natural Resources, U. Wisconsin-Stevens Point: students in entire college
University Teaching Award	1997	University of Wisconsin-Stevens Point
Appreciation Award	1996	Milwaukee Zoological Society
Sponsorship Award	1993	WY Student Chapter, The Wildlife Society
Faculty Growth Award	1992	University of Wyoming

EDITORIAL:

Editor-in-Chief: *Journal of Wildlife Management* 2013-2015

Editorial Boards:

- *Journal of Wildlife Management* 2014-2016
- *PlosOne* 2012-2014
- *Wildlife Monographs* 2014-2015
- *Wildlife Research* 2009-2011
- *Wildlife Professional* 2008-2010
- *Journal of Range Ecology & Management* 2002-2004
- *Journal of Wildlife Management* 1996-1998

Referee for the following journals:

- Acta Theriologica
- Canadian Journal of Botany
- Ecography
- Ecology
- Ecological Applications
- Ecosphere
- EcoScience
- Journal of Range Management
- Journal of Wildlife Management
- Landscape Ecology
- Movement Ecology
- Natural Areas Journal
- Nature
- Theoretical Biology
- Northwest Science
- Oecologia
- PlosOne
- Science
- Trans. Wisconsin Academy of Sciences
- Tropical Ecology
- Wildlife Biology
- Wildlife Diseases
- Wildlife Monographs
- Wildlife Review
- Wildlife Society Bulletin
- Forest Ecology & Management
- Behavioral Ecology

Peer-Reviewed Journal Publications (student, postdoc and research associate names are in **bold**):

In review or final prep:

- **Dobbin, M.**, K. Ruckstuhl, and E. Merrill. *in prep.* Close Encounters: Effects of genetic relatedness and landscape on mule deer contact rates. *J. Mammal.*

- Put, L., **P. Smolko**, C.I. Cullingham, D.McKenzie¹, M.J. Pybus, S. Sridharan, E.H. Merrill¹. *in prep.* Chronic wasting disease in Alberta white-tailed deer: Can genotype play a role in predicting spatial risk? Spatial & Spatio-temporal Epidem.
- **Walker, P.D.**, J.G. Cook, R.C. Cook, A.R. Rodgers, E.H. Merrill. *in prep.* Spatiotemporal dynamics of caribou forage across Northern Ontario. Ecology Monograph.

Published or in press:

1. Cross, P., B. Lowrey, M. Kauffman, E. Merrill. *in press.* Predicting disease spread from host movement data: Chronic wasting disease in North America as a case study. Journal of Animal Ecology.
2. Asante, M., W. Adamowicz, M. K. Luckert, **Q. Xu**, E. Merrill, J. Pattison-Williams, A. Hubbs, M. Pybus, **O. Barton**. *in press.* Private Landowners, Hunting Access, and CWD Management in Alberta. Human Dimensions in Wildlife.
3. Beale, N. P, M. Hebblewhite, **J. E. Berg**, H. W. Martin, E. H. Merrill. 2026. Juvenile predation overwhelms nutritional effects on female ungulate fat reserves in a high-predation system. Functional Ecology. Functional Ecology. 40:1578-1586.
4. Edwards, M.A., **K. E. Krawchuk**, E.H. Merrill¹, and A. E. Derocher. Does security or food drive Arctic female grizzly movement-related habitat use during the challenging period from den-emergence to green-up? Ursus 2025(36e10), 1-15. <https://doi.org/10.2192/URSUS-D-24-00016.R1>
5. **Lelotte, L.**, M. Panzacchi, C.A Johnson et al. 2025. Population and habitat assessments for conservation: Comparing national strategies for Canadian caribou and Norwegian wild reindeer. Global Ecol. Conserv. 61: e03668. <https://doi.org/10.1016/j.gecco.2025.e03668>
6. **Farr, J.J.**, S.M. Straughan, B. Larue, B., ...M. Hebblewhite. 2025. Global change affects large herbivore forage biomass through gradual successional shifts and abrupt disturbances. Global Change Biol. 3(7): e70375. <https://doi.org/10.1111/gcb.70375>
7. **Gritter, K.**, M. Pybus, M. Lewis, and E. Merrill. 2024. Artificial Attractants: Implications for disease management in deer. Ecology and Evolution 15 (2):1-11. <https://doi.org/10.1002/ece3.71013>
8. Benson, J.F., D.A Keiter, P.J. Mahoney ...B. Paterson. 2024. Intrinsic and environmental drivers of pairwise cohesion in wild Canis social groups. Ecology. 106 (1):1-22. <https://doi.org/10.1002/ecy.4492>
9. Atmeh, K., C. Bonenfant, J. M. Gaillard...A. Loison. 2024. Neonatal antipredator tactics shape female movement patterns in large herbivores. Nat Ecol. Evol. 9(1): 142-153. <https://doi.org/10.1038/s41559-024-02565-8>
10. **Gritter, K.**, **M. Dobbin**, E. Merrill, M. Lewis. 2024. An individual-based movement model for contacts between mule deer (*Odocoileus hemionus*). Ecological Complexity. 58. <https://doi.org/10.1016/j.ecocom.2024.101082>
11. **Dobbin, M.**, P. Smolko, L. Put, E.H. Merrill. 2023. Risky Business: Relating probability of direct contact to risk of chronic wasting disease. Frontiers in Ecology and Evolution. 11: 1156853 <https://doi.org/10.3389/fevo.2023.1156853>
12. **Walker, P.D.**, A.R. Rodgers, J. Shuter, J., J.M. Fryxell, and E.H. Merrill, Woodland caribou calving fidelity: spatial location, habitat, or both? 2024. J. Wildl. Manage. 85:169-182. <https://doi.org/10.1002/ece3.11480>
13. Williams, S., M. Hebblewhite, H. Martin, C. Meyer, J. Whittington, J. Killeen, **J. Berg, K. MacAulay, P. Smolko**, E. Merrill. 2024. Predation risk drives long-term shifts in migratory behavior and demography in a large herbivore population. Journal of Animal Ecology. 93:21-35 <https://doi.org/10.1111/1365-2656.14022>
14. Tucker, M.E., A.M. Schipper, T.S.F. Adams, et al. 2023. Behavioral responses of terrestrial mammals to COVID-19 lockdowns Science 380(6649): 1059-1064 [DOI: 10.1126/science.abo6499](https://doi.org/10.1126/science.abo6499)

15. Martin, H., M. Hebblewhite, A. Hubbs, R. Corrigan, E.H. Merrill. 2023. Male elk survival, vulnerability, and antler size in a transboundary and partially migratory population. *Journal of Wildlife Management* 87(4): e22386 <https://doi.org/10.1002/jwmg.22386>
16. **Berg, J.**, D. Eacker, M. Hebblewhite, and E. Merrill. 2023. Elk calf survival in a partially migratory population. *Journal of Wildlife Management*. 87:e22330. <https://doi.org/10.1002/jwmg.22330>
17. Martin, H.W., M. Hebblewhite and E.H. Merrill. 2022. Large herbivores in a partially migratory population search for the ideal free home 103(5): e3652 <https://doi.org/10.1002/ecy.3652>
18. **Xu, J.**, E.H. Merrill, M. A. Lewis. 2022. Spreading speed of chronic wasting disease across deer groups with overlapping home ranges. *J. of Theor. Biol.* 547: 111135 <https://doi.org/10.1016/j.jtbi.2022.111135>
19. **MacAulay, K., E. Spilker, J. Berg,** M. Hebblewhite, and E. Merrill. 2022. Beyond the encounter: Predicting multi-predator risk to elk (*Cervus canadensis*) in summer using predator scat. *Ecology and Evolution*. 12(2): e8589 <https://doi.org/10.1002/ece3.8589>
20. **Normandeau, J. C.** Cassidy St. Clair, S. Kutz, M. Hebblewhite, and E. Merrill. 2022. What makes elk tick: winter tick (*Dermacentor albipictus*): grooming behavior in wild elk (*Cervus canadensis*). *J. Mammal.* 103(2): 373-382. <https://doi.org/10.1093/jmammal/gyab155>
21. **Smolko, P.**, D. Seidel, M. Pybus, A. Hubbs, M. Ball, E. Merrill. 2021. Spatio-temporal changes in chronic wasting disease risk in wild deer during 14 years of surveillance in Alberta, Canada. *Prev. Vet. Med.* 197(10): 105512 doi.org/10.1016/j.prevetmed.2021.105512
22. Falcón-Cortés, A., D. Boyer, E. H. Merrill, J. L. Frair, J. M. Morales. 2021. Hierarchical, memory-based movement models for translocated elk (*Cervus canadensis*). *Frontiers in Ecology & Evolution*. <https://doi.org/10.3389/fevo.2021.702925>
23. **Berg, J., J. Reimer, P. Smolko,** H. Bohm, M. Hebblewhite, and E.H. Merrill. 2021. Mothers' movements: Shifts in calving area selection by partially migratory elk, *Journal Wildlife Management*. 87: 1476-1489. <https://doi.org/10.1002/jwmg.22099>
24. Kauffman, M.J., et al. 2021. Mapping out a future for ungulate migrations. *Science*. 372(6542):566-569. (many authors). DOI: [10.1126/science.abf0998](https://doi.org/10.1126/science.abf0998)
25. **Normandeau, J.**, H. Martin, E. Merrill, and M. Hebblewhite. 2020. Potential case of hermaphroditism in elk (*Cervus canadensis*) in Alberta, Canada. *The Canadian Field Naturalist*. 134:241-247. <https://doi.org/10.22621/cfn.v134i3.2481>
26. Sperling, J., Z. MacDonald, **J. Normandeau,** E. Merrill, F. Sperling, and K. Magor. 2020. Within-population diversity of bacterial microbiomes in winter ticks (*Dermacentor albipictus*). *Ticks and Tick-Borne Diseases* 11:101535. <https://doi.org/10.1016/j.ttbdis.2020.101535>
27. Aikens, E.O., et al. 2020. Wave-like patterns of plant phenology determine ungulate movement tactics. *Current Biology* 30: 1–6. (many authors) <https://doi.org/10.1016/j.cub.2020.06.032>
28. **Normandeau, J.**, S.J. Kutz, M. Hebblewhite, E.H. Merrill (2020). Living with liver flukes: Does migration matter? *Internatl. J. Parasitology: Parasites and Wildlife*. 12:76-84. <https://doi.org/10.1016/j.ijppaw.2020.05.002>
29. Merkle, J.A., N.J. Anderson, D.L. Baxley, M. Chopp, L.C. Gigliotti, J.A. Gude, T.M. Harms, H.E. Johnson, E.H. Merrill, M.S. Mitchell, T.W. Mong, J. Nelson, A.S. Norton, M.J. Sheriff, E. Tomasik, K.R. Vanbeek, (2019) A collaborative approach to bridging the gap between wildlife managers and researchers. *J. Wildl. Manage.* 83:1644-1651. doi: 10.1002/jwmg.21759
30. Muhly, T.B.; C.A. Johnson, M. Hebblewhite, E.W. Neilson, D. Fortin, J.M. Fryxell, A.D.M. Latham, M.C. Latham, P.D. McLoughlin, E.H. Merrill, P.C. Paquet, B.R. Patterson, F. Schmiegelow, M. Musiani, (2019). Functional response of wolves to human development across boreal North America. *Ecol. Evol.* 18:10801-10815 . DOI: 10.1002/ece3.5600
31. **Berg, J.E.**, M. Hebblewhite, C.C. St Clair, E.H. Merrill (2019) Prevalence and mechanisms of partial migration in ungulates. *Front. Ecol. Evol.* 7:324 doi: 10.3389/fevo.2019.00325
32. **Normandeau, J., K. MacAulay, J. Berg** and E. Merrill (2019). Identifying guard hairs of Rocky Mountain carnivores. *Wildlife Society Bulletin*: 42:706-712. DOI: 10.1002/wsb.913

33. **Visscher, D.R.**, E.H. Merrill (2018) Functional connectivity in ruminants: A generalized state-dependent modelling approach. *PLoS One*. 13(6): 22. doi.org/10.1371/journal.pone.0199671
34. Hebblewhite M., D.R. Eacker, S. Eggeman, H. Bohm, E.H. Merrill (2018) Density-independent predation affects migrants and residents equally in a declining partially migratory elk population. *Oikos*. doi:10.1111/oik.05304 (epub) **[2020 Publication Award from Alberta Chapter The Wildlife Society]**
35. **Smolko, Peter**, R.Kropil, T. Pataky, A. Veselovska, E.H. Merrill (2018) Why do migrants move downhill? The effects of increasing predation and density on red deer altitudinal migration in temperate Carpathian forests. *Mammal Research*. 63(3): 297-305. doi.org/10.1007/s13364-018-0355-3
36. Tucker, M. (2018) Moving in the Anthropocene: Global reductions in terrestrial mammalian movements *Science*. 359(6374): 466-469. (Many authors) DOI: 10.1126/science.aam9712
37. **Geary, A.B.**, E.H. Merrill, J.G. Cook, R.C. Cook, and L.L. Irwin. (2017) Elk nutritional resources: Herbicides, herbivory and forest succession at Mount St. Helens. *Forest Ecology and Management*. 401: 242-253. DOI: 10.1016/j.foreco.2017.06.028
38. Schlagel, U., E. H. Merrill, M. Lewis. (2017) Territory surveillance and prey management: wolves keep track of space and time. *Ecology and Evolution*. 7(20): 8388-8405. <https://doi.org/10.1002/ece3.3176>
39. **Visscher, D.R.**, E.H. Merrill and P.K Martin. (2017) Hierarchical trade-offs between risk and reward mediated by behavior. *Mammal Research* 62:129–140. <https://doi.org/10.1007/s13364-016-0290-0>
40. Eggeman, S.L., M. Hebblewhite, H. Bohm, J. Whittington, and E.H. Merrill. (2016) Behavioural flexibility in migratory behaviour in a long-lived large herbivore. *Journal of Animal Ecology* 85(3):785-797. <https://doi.org/10.1111/1365-2656.12495>
41. **Nobert, B.**, E.H. Merrill, M. Pybus, T. Bollinger, and Y.T. Hwang. (2016) Landscape connectivity predicts chronic wasting disease risk in Canada. *Journal of Applied Ecology* 53: 1450-1459. <https://doi.org/10.1111/1365-2664.12677>
42. Cagnacci, F., S. Focardi, A. Ghisla, B. van Moorter, E.H. Merrill, E. Gurarie, M. Heurich, A. Mysterud, J. Linnell, M. Panzacchi, R. May, T. Nygard, C. Rolandsen, and **M. Hebblewhite**. (2016) How many routes lead to migration? Comparison of methods to assess and characterize migratory movements. *Journal of Animal Ecology* 85(1): 54-68. <https://doi.org/10.1111/1365-2656.12449>
43. **Potapov, A.**, E.H. Merrill, M. Pybus, and M.A. Lewis. (2016) Chronic Wasting Disease: Transmission mechanisms and the possibility of harvest management. *PLOS ONE* 11: e0151039. <https://doi.org/10.1371/journal.pone.0151039>
44. **Potapov, A.**, E.H. Merrill, M. Pybus, and M.A. Lewis. (2015) Empirical estimation of r-0 for unknown transmission functions: the case of chronic wasting disease in Alberta. *PLOS ONE* 10, e0140024. DOI: [10.1371/journal.pone.0140024](https://doi.org/10.1371/journal.pone.0140024)
45. Boyce, M.S., C.J. Johnson, E.H. Merrill, S.E. Nielsen, E.J. Solberg, and B. van Moorter. (2015) Can habitat selection predict abundance? *Journal of Animal Ecology* 85:11-20. doi: 10.1111/1365-2656.12359
46. Lele, S.R., E.H. Merrill, J. Keim, and M.S. Boyce. (2013) Selection, use, choice and occupancy: clarifying concepts in resource selection studies. *Journal of Animal Ecology* 82:1183–1191. <https://doi.org/10.1111/1365-2656.12141>
47. **Robinson, B.G** and E.H. Merrill. (2013) Foraging-vigilance trade-offs in a partially migratory population: comparing migrants and residents on a sympatric range. *Animal Behaviour* 85:849-856. <https://doi.org/10.1016/j.anbehav.2013.02.004>
48. **Potapov, A.**, E. Merrill, M. Pybus, D. Coltman, and M. Lewis. (2012) Chronic wasting disease: possible transmission mechanisms in deer. *Ecological Modelling* 250: 244-257. <https://doi.org/10.1016/j.ecolmodel.2012.11.012>
49. **Habib, T.J.**, D.A. Moore, and E.H. Merrill. (2012) Detection and stratification approaches for aerial surveys of deer in prairie parklands. *Wildlife Research* 39:593-602. <https://doi.org/10.1071/WR11175>

50. **Webb, N.F.** and E.H. Merrill. (2012) Simulating carnivore movements: an occupancy-abundance relationship for surveying wolves. *Wildlife Society Bulletin* 36(2):240–247.
<https://doi.org/10.1002/wsb.140>
51. **McPhee, H.M., N.F. Webb,** and E.H. Merrill. (2012) Hierarchical predation: wolf (*Canis lupus*) selection along hunt paths and at kill sites. *Canadian Journal Zoology* 90:555-563.
<https://doi.org/10.1139/z2012-021>
52. **McKenzie, H.W.,** E.H. Merrill, R.J. Spiteri, and M.A. Lewis. (2012) How linear features alter predator movement and the functional response. *Interface Focus* 2(2):205-216.
doi: [10.1098/rsfs.2011.0086](https://doi.org/10.1098/rsfs.2011.0086)
53. **Potapov, A.,** Merrill, E.H. and M. Lewis (2012) Wildlife disease elimination and density dependence. *Proceedings of the Royal Society B-Biological Sciences* 279(1741): 3139-3145.
doi: [10.1098/rspb.2012.0520](https://doi.org/10.1098/rspb.2012.0520)
54. **Rees, E.E.,** E.H. Merrill, T.K. Bollinger, Y.T. Hwang, M. Pybus, and D. Coltman. (2012) Targeting the detection of chronic wasting disease using the hunter harvest during early phases of an outbreak in Saskatchewan, Canada. *Preventive Veterinary Medicine* 104(1-2):149-159. DOI:
[10.1016/j.prevetmed.2011.10.016](https://doi.org/10.1016/j.prevetmed.2011.10.016)
55. **McPhee, H.M., N.F. Webb,** and E.H. Merrill. (2012) Time-to-kill: measuring attack rates in a heterogeneous landscape with multiple prey types. *Oikos* 121(5):711-720.
<https://doi.org/10.1111/j.1600-0706.2011.20203.x>
56. **Hebblewhite, M.** and E.H. Merrill. (2012) Demographic balancing of migrant and resident elk in a partially migratory population through forage–predation tradeoffs. *Oikos* 120(12):1860-1870.
<https://doi.org/10.1111/j.1600-0706.2011.19436.x>
57. Nelson, B., **M. Hebblewhite,** V. Ezenwa, T. Shury, E.H. Merrill, P.C. Paquet, F. Schmiegelow, D. Seip, G. Skinner, **N. Webb.** (2012) Prevalence of antibodies to canine parvovirus and distemper virus in wolves in the Canadian Rocky Mountains. *Journal Wildlife Diseases* 48(1):68-76. DOI:
[10.7589/0090-3558-48.1.68](https://doi.org/10.7589/0090-3558-48.1.68)
58. **Robinson, B.G.** and E.H. Merrill. (2012) The influence of snow on the functional response of grazing ungulates. *Oikos* 121(1): 28-34. <https://doi.org/10.1111/j.1600-0706.2011.19408.x>
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1. Merrill, E.H. A. Cox, and A. Knipps. 2015. The time has come and gone. *Journal of Wildlife Management* 7:1211-1212.
2. Merrill, E.H. 2015. A word about supplemental materials. *Journal of Wildlife Management* 7: 1039-1040.
3. Merrill, E.H. 2015. Bibliographic databases: Is the *Journal of Wildlife Management* being found? *Journal of Wildlife Management* 7: 693-694.
4. Cox, A. and E. H. Merrill. 2015 What taxa are appropriate for the Journal? *Journal of Wildlife Management* 79: 527-528.
5. Merrill, E.H. 2015. Where we go wrong: Issues of dual publication and self-plagiarism. *Journal of Wildlife Management* 79: 355-356.
6. Merrill, E.H. 2015. Sensitivity and integrity of authorship. *Journal of Wildlife Management* 79:171-173.
7. Merrill, E.H. 2015. Are management implications for the *Journal* ceremonial? *Journal of Wildlife Management* 79: 1-2.
8. Merrill, E.H. 2014. Time flies when there is no downtime. *Journal of Wildlife Management* 78:1321.
9. Merrill, E.H. 2014. Assassin or zealot: What makes a good manuscript review? *Journal of Wildlife Management* 78:1129-1130.
10. Merrill, E.H. and A. Cox. 2014. Reviewer overload and what can we do about it? *Journal of Wildlife Management* 78:961-962.
11. Merrill, E.H. and A. Knipps. 2014. What's in a title? *Journal of Wildlife Management* 78: 761-762.
12. Merrill, E.H. 2014. Should we be publishing more null results? *Journal of Wildlife Management* 78:569-570.
13. Merrill, E.H. 2014. Data sharing and reuse: What are the issues? *Journal of Wildlife Management* 78: 381-382.
14. Merrill, E.H. 2014. Why Publish in the *Journal of Wildlife Management*? *Journal of Wildlife Management* 78:181-182.

15. Merrill, E.H. 2014. The time had come. *Journal of Wildlife Management* 78:1-2.

Theses:

1. Merrill, E.H. 1987. Population dynamics and habitat ecology of elk in the Mount St. Helens blast zone. Ph.D. Thesis. Univ. Washington, Seattle, Washington. 204 pp.
2. Merrill, E.H. 1978. Nutrient cycling in a vegetation-ungulate complex. M.Sc. Thesis. University of Idaho, Moscow, Idaho. 103 pp.

Manuscripts of students while under my supervision but not co-authored:

1. MacAulay, K., J. Normandeau, and M. Boyce. 2016. The hairy truth: investigating predators and prey. *Alberta Outdoorsman*. Nov.
2. Moorter, B.V., D. Visscher, S. Benhamou, L. Borger, M.S. Boyce, and J-M Gaillard. 2009. Memory keeps you at home: a mechanistic model for home range emergence. *Oikos* 118:641-652.
3. Gillies, C.S., M. Hebblewhite, S.E. Nielsen, M.A. Krawchuk, C.L. Aldridge, J.L. Frair, D.J. Saher, C.E. Stevens, and C.L. Jerde. 2006. Application of random effects to the study of resource selection by animals. *Journal of Animal Ecology* 75:877-898.
4. Hurford, A., M. Hebblewhite, and M.A. Lewis. 2006. A spatially explicit model for the Allee effect: why wolves recolonize so slowly in Greater Yellowstone. *Theoretical Population Biology* 70:244-254.
5. Visscher, D.R. 2006. GPS measurement error and resource selection functions in a fragmented landscape. *Ecography* 29:458-464.
6. Jerde, C.L. and D.R. Visscher. 2005. GPS measurement error influences on movement model parameterization. *Ecological Applications* 15:806-810.

MAJOR GRANTS & CONTRACTS since at the University of Alberta:

<u>Year</u>	<u>Agency</u>	<u>Shortened title</u>	<u>Amount</u>
2025-2026	APOS – MSL-A	Assessing and Improving CWD Surveillance as a component of big game management in Alberta	\$34,000
2025-2026	RDAR	Optimizing wild-cervid CWD surveillance for risk management in Alberta	\$95,500
2025-2026	SCI - Northern Alberta, Hunting Heritage Fund	Assessing and improving CWD surveillance as a component of big game management in Alberta	\$4,000
2024-2026	ACA	Assessing and improving CWD surveillance as a component of big game management in Alberta	\$26,000
2024-2027	Alberta Innovates	Structural Decision Making for CWD management	\$122,220
2022-2028	NSERC Alliance	Develop models to forecast the impact of mitigation strategies on CWD spread	\$117,500
2023-2024	AFGA, MSL	Mule deer connectivity map for assessing Chronic Wasting Disease spread in Alberta	\$21,305
2023-2024	SCI - Northern Alberta, Hunting Heritage Fund	Ya Ha Tinda elk herd migratory behaviour	\$10,000
2023-2024	SCI - Northern Alberta, Hunting Heritage Fund	Chronic wasting disease spread in Alberta	\$12,000

2023-2025	<i>Alberta Innovates</i>	Addressing mule deer harvest strategies for Chronic Wasting Disease management using an Integrative Population Model	\$248,526
2022-2023	<i>AFGA, MSL</i>	Evaluating bull elk reproductive success using a wild pedigree	\$44,278
2021-2023	<i>AFGA, MSL</i>	Integrating disease modeling into spatial harvest tools for managing chronic wasting disease in mule deer in Alberta	\$140,801
2021-2024	<i>AB Environ. Parks</i>	Harvest management on mule deer across populations at different levels of CWD	\$184,758
2020-2025	<i>NSF</i>	Demography of partially migratory populations	\$599,824
2020-2021	<i>AFGA, MSL</i>	Bull elk recruitment, survival, and harvest in a partially migratory elk herd in the Ya Ha Tinda	\$28,973
2020-2021	<i>AFGA, MSL</i>	Quantifying deer contact rates for modeling CWD transmission in mule deer	\$16,239
2020-2021	<i>WMI</i>	Modeling spatial harvest strategies for Chronic Wasting Disease transmission	\$28,456
2020-2021	<i>SCI - Northern Alberta, Hunting Heritage Fund</i>	Chronic Wasting Disease in deer: modeling transmission from contact rates	\$5,000
2020-2021	<i>ACA Research Grant</i>	Chronic Wasting Disease in deer: modeling transmission from contact rates	\$11,000
2019-2020	<i>AFGA, MSL</i>	Bull elk recruitment, survival, and harvest in a partially migratory elk herd in the Ya Ha Tinda	\$29,521
2019-2020	<i>AFGA, MSL</i>	Quantifying deer contact rates for modeling CWD transmission in mule deer	\$19,100
2019-2021	<i>Rocky Mt. Elk Foundation</i>	Contact rates in mule deer: Inputs for assessing transmission of CWD	\$30,114
2019-2020	<i>SCI - Northern Alberta, Hunting Heritage Fund</i>	Winter behavior in new migratory segment: Ya Ha Tinda elk herd	\$5,000
2019-2020	<i>SCI - Northern Alberta, Hunting Heritage Fund</i>	Chronic Wasting Disease in deer: modeling transmission from contact rates	\$11,700
2019-2020	<i>ACA Research Grant</i>	Chronic Wasting Disease in deer: modeling transmission from contact rates	\$32,400
2019-2021	<i>ACA, Grants in Biodiversity</i>	Winter behaviour in a new migratory segment: Ya Ha Tinda elk herd	\$11,280
2019-2021	<i>ACA, Grants in Biodiversity</i>	Analysis of Mule Deer (<i>Odocoileus hemionus</i>)	\$10,200
2019-2020	<i>WCSC - W. Garfield Weston Fellowship Award</i>	Contacts and Transmission of Chronic Wasting Influences of nutritional resources on woodland caribou in Northern Ontario	\$5,000
2018-2021	<i>Alberta Innovates Bio Solution, (APRI)</i>	Quantifying contact rates for modeling CWD transmission in wild mule deer populations	\$208,529
2018-2019	<i>AFGA, MSL</i>	Bull elk recruitment, survival and harvest elk herd in the Ya Ha Tinda	\$26,719
2018-2019	<i>AFGA, MSL</i>	Quantifying deer contact rates for modeling CWD transmission in mule deer	\$15,000

2018-2019	<i>Boone and Crockett Club, WI Spencer Conservation Grant</i>	Quantifying contact rates for disease transmission in mule deer	\$15,444 USD
2018-2019	<i>SCI - Northern Alberta, Hunting Heritage Fund</i>	Chronic Wasting Disease in deer: modeling transmission from contact rates	\$13,800
2018-2019	<i>SCI - Northern Alberta, Hunting Heritage Fund</i>	The waiting game: remote cameras to investigate elk avoidance of predators at Ya Ha Tinda	\$3,073
2018-2019	<i>SCI - Northern Alberta, Hunting Heritage Fund</i>	Are there costs of shifting migration linked to parasitism?	\$5,660
2018-2019	<i>ACA Research Grant</i>	Chronic Wasting Disease in deer: modeling transmission from contact rates	\$32,400
2017-2022	<i>NCASI</i>	Caribou nutrition in relation for forest management	\$110,986
2017-2019	<i>Alberta Innovates Bio Solution, (APRI)</i>	Quantifying contact rates for modelling CWD transmission in wild mule deer populations	\$302,857
2017-2019	<i>ACA, Grants in Biodiversity</i>	Trading-off space use and vigilance to avoid multiple predators: Investigating the behavioural differences between migrant and resident elk	\$13,750
2017-2019	<i>ACA, Grants in Biodiversity</i>	Can contents of predator scat predict the spatial risk of predation for elk at Ya Ha Tinda?	\$16,800
2016-2022	<i>NSERC, Discovery Grant</i>	Partial migration of elk in a heterogeneous landscape	\$310,000
2016-2020	<i>Genome Canada</i>	Systems Biology and Molecular Ecology of Chronic Wasting Disease (Co-PI) (\$11,534,556)	\$81,000
2016-2021	<i>NSF</i>	Long Term Research in Environmental Biology (LTREB), (Co-PI Mark Hebblewhite)	\$434,340 USD
2014-2020	<i>McGill University, CREATE</i>	Enhancing Canada's prosperity through innovative environmental assessment, monitoring and management, (PI, Stan Boutin at UA; Murry Humphries at McGill)	\$275,472
2016-2018	<i>WSF, Alberta Chapter</i>	Does predator scat content reflect spatial risk for big horn sheep?	\$6,875
2014-2018	<i>NSERC, EQPEG</i>	Biotelemetry System: Infrastructure for Assessing Disease Transmission in Wildlife	\$150,000
2017-2018	<i>AFGA, MSL</i>	Bull elk recruitment, survival and harvest in a partially migratory elk herd in the Ya Ha Tinda	\$10,320
2017-2018	<i>AFGA, MSL</i>	Quantifying deer contact rates for modeling CWD transmission in mule deer	\$12,500
2017-2018	<i>SCI - Northern Alberta, Hunting Heritage Fund</i>	Effects of migration on parasite levels of the Ya Ha Tinda elk herd	\$3,000
2017-2018	<i>SCI - Northern Alberta, Hunting Heritage Fund</i>	Can contents of predator scats predict predation risk for elk?	\$4,500
2017-2018	<i>SCI - Northern Alberta, Hunting Heritage Fund</i>	Trading-off space use and vigilance by migrant and resident elk to avoid multiple predators	\$4,500

2017-2018	<i>SCI - Northern Alberta Chapter, Hunting Heritage Fund</i>	Chronic Wasting Disease in deer: modeling transmission from contact rates	\$8,000
2017-2018	<i>ACA Research Grant</i>	Chronic Wasting Disease in deer: modeling transmission from contact rates	\$27,600
2016-2017	<i>TD Friends of the Environment Foundation</i>	Do spatial differences in carnivore scat reflect predation risk for elk in the Ya Ha Tinda, AB?	\$4,375
2016-2017	<i>AFGA, MSL</i>	Persistence of the Ya Ha Tinda elk population	\$19,262
2016-2017	<i>ACA Research Grant</i>	Persistence of the Ya Ha Tinda elk population: the role of calf survival	\$34,197
2016-2017	<i>SCI Foundation</i>	Persistence of the Ya Ha Tinda elk population	\$25,000
2016-2017	<i>SCI - Northern Alberta, Hunting Heritage Fund</i>	Ya Ha Tinda Elk Herd: Calf survival studies	\$7,600
2016-2017	<i>CICan, Clean Tech Internship Program</i>	Persistence of the Ya Ha Tinda elk population (field technician internship – Camille Roberge)	\$12,000
2016-2017	<i>CICan, Clean Tech Internship Program</i>	Diet analysis of carnivores in Ya Ha Tinda (field technician internship - Mitch O'Donnell)	\$12,000
2016-2017	<i>SCI - Northern Alberta, Hunting Heritage Fund</i>	Ungulate predation risk through carnivore diet analysis in a multi-carnivore community	\$3,100
2015-2016	<i>WSF, Alberta Chapter</i>	Spatial interactions in multi-carnivore communities in the Rocky Mountains of Alberta	\$4,560
2015-2017	<i>Rocky Mt. Elk Foundation- WA</i>	Mount St. Helens forest succession & carrying capacity for elk study.	\$15,899 USD
2015-2017	<i>Rocky Mt. Elk Foundation</i>	Ya Ha Tinda Elk Calf Study	\$25,198 USD
2015-2017	<i>ACA, Grants in Biodiversity</i>	Spatial interactions in multi-carnivore communities in the Rocky Mountains of Alberta	\$14,130
2015-2016	<i>SCI Foundation</i>	Persistence of the Ya Ha Tinda elk population	\$32,483
2015-2016	<i>Environment Canada, Sci. Horizons Internship</i>	Diet and distribution of predators in relation to a declining elk herd	\$12,000
2015-2016	<i>Environment and Climate Change Canada</i>	Shifting migration in a shifting climate: the role of anthropogenic factors and predation in a declining elk herd	\$12,000
2015-2016	<i>TD Friends of the Environment Foundation</i>	Spatial interactions in multi-carnivore communities and ungulate predation in the Rocky Mountains of Alberta	\$6,444
2015-2016	<i>International Association for Bear Research & Management</i>	Spatial interactions in multi-carnivore communities and ungulate predation in the Rocky Mountains of Alberta	\$5,094.45
2015-2016	<i>ACA Research Grant</i>	Persistence of the Ya Ha Tinda elk population: the role of calf survival	\$29,386
2015-2016	<i>SCI, Northern Alberta Chapter</i>	Predator Interaction Study	\$3,700

2015-2016	<i>SCI, Northern Alberta Chapter</i>	Ya Ha Tinda Elk Calf Study	\$5,000
2015-2016	<i>AFGA, MSL</i>	Persistence of the Ya Ha Tinda elk population: the role of calf survival	\$16,000
2014-2015	<i>RMEF, WA Chapter</i>	Mount St. Helens forest succession and carrying capacity for elk study	\$10,253
2014-2017	<i>Alberta Innovates Bio Solution, (APRI)</i>	Experimental harvests for CWD control in wild cervids	\$119,015
2014-2015	<i>Parks Canada Agency</i>	Banff Field Unit, YaHa Tinda Elk Data Analysis	\$12,900
2013-2015	<i>SCI, Northern Alberta Chapter</i>	Experimental harvests for CWD control in wild Cervids	\$6,000
2014-2015	<i>SCI, Northern Alberta Chapter</i>	Elk Ya Ha Tinda Calf Study: Persistence of the Ya Ha Tinda elk population	\$3,913
2014-2015	<i>AFGA, MSL</i>	Experimental Harvests for CWD Control in Mule Deer	\$20,000
2014-2015	<i>AFGA, MSL</i>	Persistence of the Ya Ha Tinda elk population	\$26,769
2014-2015	<i>ACA</i>	Experimental harvest for CWD control in wild cervids in Alberta	\$38,809
2014-2015	<i>ACA</i>	Persistence of the Ya Ha Tinda elk population: the role of calf survival	\$23,000
2013-2015	<i>RMEF</i>	Ya Ha Tinda Elk Study - 2013	\$15,249
2013-2016	<i>Alberta's Conservation Collaboration, MSL</i>	Experimental harvests for CWD control in wild cervids	\$25,000
2013-2014	<i>Alberta's Conservation Collaboration, MSL</i>	Persistence of the Ya Ha Tinda elk herd: the role of calf survival	\$18,399
2013-2014	<i>SCI, Northern Alberta Chapter</i>	Persistence of the Ya Ha Tinda elk herd: the role of calf survival	\$23,171
2013-2014	<i>SCI, Northern Alberta Chapter</i>	Persistence of the Ya Ha Tinda elk herd: the role of calf survival	\$2,500
2013-2015	<i>SCI, Northern Alberta Chapter</i>	Experimental harvests for CWD control in wild Cervids	\$6,000
2013-2014	<i>TD Friends of the Environment Foundation</i>	Persistence of the Ya Ha Tinda elk population: the role of calf survival	\$3,500
2013-2016	<i>Alberta Sport Connection, Recreation, Parks & Wildlife Foundation</i>	Persistence of the Ya Ha Tinda elk population: the role of calf survival	\$4,485
2013-2014	<i>ACA</i>	Persistence of the Ya Ha Tinda elk population: the role of calf survival	\$20,000
2012-2013	<i>ACA</i>	Estimating deer contact rates to design a long-term experiment for reducing CWD prevalence in Alberta	\$8,455
2012-2013	<i>ACA</i>	Long-term Studies and Elk Calf Study at Ya Ha Tinda	\$25,500
2012-2013	<i>Parks Canada, Banff National Park</i>	Wolf Scat Analysis	\$4,992
2011-2013	<i>NCASI</i>	Effects of Herbicide Application and Elk Herbivory on Vegetation at Mount St. Helens	\$37,359 USD

2011-2017	<i>NSERC, Discovery Grant</i>	Ecological Processes in Heterogeneous Landscapes: predation and disease	\$190,000
2011-2012	<i>Washington Commission of Pesticides</i>	Effects of Forestry Herbicides and Herbivory on Habitat Quality for Big Game in Western Washington	\$39,737
2011-2012	<i>RMEF</i>	Mount Saint Helens Habitat Assessment #1	\$12,997
2010-2012	<i>Alberta Innovates</i>	Decision Support Tools for Chronic Wasting Diseases	\$117,780
2009-2014	<i>Parks Canada</i>	Vegetation and Elk Population Research for Managing the Ya Ha Tinda Elk Herd	\$74,975
2009-2010	<i>ACA</i>	Ya Ha Tinda Elk & Vegetation Study	\$20,000
2009-2010	<i>ACA</i>	Predicting CWD Spread from Saskatchewan into Alberta	\$34,500
2009-2010	<i>SCI, Northern Alberta Chapter</i>	Wolf Summer Kill Rates	\$4,000
2009-2012	<i>ACA, Biodiversity Grant</i>	Summer Wolf Predation in the Central Eastern Slopes of the Rocky Mountains, Alberta	\$19,800
2009	<i>Alberta Sport, Recreation, Parks & Wildlife Foundation</i>	Wolf Summer Kill Rates	\$4,700
2008-2009	<i>ACA</i>	Deer Sight-ability and Survey Design in Alberta Prairies	\$39,742
2008-2009	<i>ACA</i>	Ya Ha Tinda Elk Vegetation Study	\$34,500
2008-2009	<i>ACA</i>	Pack-size and Wolf Predation	\$37,200
2008-2009	<i>SCI, Northern Alberta Chapter</i>	Pack-size and Wolf Predation	\$3,500
2008-2009	<i>FNAWS, Alberta Chapter</i>	Pack-size and Wolf Predation	\$30,000
2008-2009	<i>FNAWS, Eastern Chapter</i>	Pack-size and Wolf Predation	\$1,000 USD
2008-2009	<i>Alberta Professional Outfitters Society</i>	Pack-size and Wolf Predation	\$30,000
2008-2009	<i>AFGA, MSL</i>	Pack-size and Wolf Predation	\$17,250
2007-2008	<i>FNAWS, International Chapter</i>	Pack-size and Wolf Predation	\$25,000 USD
2007-2008	<i>FNAWS, Alberta Chapter</i>	Pack-size and Wolf Predation	\$30,000
2007-2008	<i>Alberta Professional Outfitters Society</i>	Pack-size and Wolf Predation	\$30,000
2007-2008	<i>Alberta Sport, Recreation, Parks & Wildlife Foundation</i>	Ya Ha Tinda Elk Winter Foraging	\$5,000
2007-2008	<i>ACA</i>	Deer Sight-ability and Survey Design in Alberta Prairies	\$34,742
2007-2008	<i>ACA</i>	Modeling for proactive management of CWD	\$30,200
2007-2008	<i>Alberta Professional Outfitters Society</i>	Modeling for proactive management of CWD	\$2,000
2006-2010	<i>APRI</i>	Spatial spread of CWD: genetic and animal movement approaches (Co-PI's - D. Coltman & M. Pybus)	\$1,636,000
2006-2007	<i>FNAWS</i>	Wolf predation on ungulates (Co-PI - N. Webb)	\$10,000

2006-2007	<i>Alberta Professional Outfitters Society</i>	Wolf predation on ungulates (Co-PI - N. Webb)	\$8,000
2006-2007	ACA	Deer movements to predict chronic wasting disease spread	\$30,000
2006-2007	ACA	New field techniques for estimating wolf densities (Co-PI - N. Webb)	\$33,000
2006-2011	<i>NSERC, Discovery Grant</i>	Linking species to ecosystems: predation mediated nutrient flows	\$116,000
2005-2006	NSF	Joint Ecology & Ecosystem Panels, Mechanistic basis for landscape ecology of ungulates (Co-PI's - P. Turchin, M. Turner, J. Fryxell, M. Boyce)	\$80,000 USD
2005-2007	RMEF	Determining wolf predation from GPS-based movements (Co-PI - N. Webb)	\$51,888
2005-2006	ACA	Habitat use and population monitoring of elk in East Central foothills of Alberta (Co-PI's - R. Anderson & J. Frair)	\$12,000
2005-2006	<i>Talisman Oil Company</i>	A computer interface for models of cumulative impacts from land management on elk (Co-PI's - R. Anderson & J. Frair)	\$15,000
2005-2006	<i>ACA, Biodiversity Grant</i>	Determining wolf pregnancy using fecal hormones (N. Webb)	\$8,000
2005-2006	<i>Alberta Professional Outfitters Society</i>	Determining wolf predation from GPS-based movements	\$3,444
2005	<i>NSERC, RTI Grant</i>	Travel infrastructure for field studies (Co-PI - S. Hannon)	\$36,567
2005	<i>NSERC, RTI Grant</i>	Integrated field system for measuring animal movement (Co-PI - Cassidy St. Clair)	\$21,786
2005	<i>FNAWS</i>	Wolf predation on ungulates	\$3,500
2005	<i>SCI, Northern Alberta Chapter</i>	Predation rates on ungulates by wolves in Alberta	\$1,000
2004-2006	<i>Weyerhaeuser Company</i>	Trans-boundary elk and wolf movements to Jasper National Park	\$127,000
2004-2006	ACA	New field techniques for estimating wolf densities and predation rates	\$72,038
2004-2005	<i>Wilburforce Foundation, Y2Y Grant</i>	Pregnancy rates of wolves: a non-evasive approach through scat analysis	\$29,887
2003-2008	<i>NSERC, Collaborative Research Opportunities</i>	Spatial dynamics of wolf predation in Central East Alberta (Co-PI's - M. Boyce & J. Fryxell)	\$1,064,840
2005	RMEF	Foraging ecology of native ungulate communities: implications for dietary competition	\$13,000
2003-2006	RMEF	Ya Ha Tinda elk migration and management study	\$65,060
2003-2006	ACA	Evaluation fire management scenarios: ungulate habitat potential (Co-PI - M. Hebblewhite)	\$54,430
2003-2004	<i>ACA, Biodiversity Grant</i>	Wolf predation on elk migration (Co-PI - M. Hebblewhite)	\$13,050

2002-2006	<i>NSERC, Strategic Project</i>	Precision Ranching: Multi-species grazing systems (Co-PI's - R. Hudson, R. Grant, E. Bork, D. Hik & J. Cahill)	\$784,000
2002-2004	<i>Parks Canada, Wood Buffalo National Park</i>	Seasonal dynamics and carry capacity of bison forages in Wood Buffalo National Park (Co-PI - J. Wilmschurst)	\$49,047
2001-2004	<i>Parks Canada, Banff National Park</i>	Effects of wolf predation and seasonal forage dynamics on elk migration in Banff National Park	\$184,600
2001-2003	<i>National Geographic Society</i>	Wolves in Yellowstone: Multi-trophic level responses to the addition of a top carnivore (Co-PI's - R. Peterson, M. Boyce & L. Mech)	\$150,000 USD
2001	<i>RMEF</i>	Effects of elk herbivory on soil and vegetation in grassland communities of Alberta	\$12,000
2001	<i>CFI</i>	Precision Ranching (Co-PI's - M. Price, E. Bork, R. Hudson, J. Cahill, D. Hik, R. Pelletier, S. Moore)	\$440,000
2000-2004	<i>Sunpine Forests, ACA, Weyerhaeuser, RMEF &</i>	Population monitoring and land-use impacts on resident and translocated elk in Alberta	\$450,000
2001-2004	<i>National Science Foundation of Innovation</i>	Building a mechanistic basis for landscape ecology of ungulate (Co-PI's - P. Turchin, M. Turner, J. Fryxell & M. Boyce)	\$2,080,000 USD
2000-2002	<i>Parks Canada, Jasper National Park</i>	Grazing in grassland communities in Jasper National Park	\$20,000
2000	<i>CFI, New Opportunities Equipment Grant</i>	Biotelemetry analysis system: infrastructure for cumulative effects (Co-PI's - M. Boyce & S. Lele)	\$340,000

CONFERENCE/MEETING ORGANIZATION & CHAIR since 2010:

- 2025** - Conference planning committee – Symposia review, The Wildlife Society, Edmonton Alberta, Oct 5-8, 2025.
- 2023** – Abstract review and open paper program, B.C.-Canadian Section of The Wildlife Society Joint meeting, Victoria, Mar 3-8
- 2019** – Moderator, Conservation & Ecology of Mammals, The Wildlife Society, Reno, NV, Oct 2
- 2019** - Program Co-Chair, Joint meeting of the Alberta Chapter and the Canadian Section of The Wildlife Society, Canmore, AB Mar 25-27
- 2017** - Co-organizer – The Canadian Section of The Wildlife Society (CSTWS) Symposium – National Conservation Summit, Kananaskis, AB - Nov 26-28
- 2017** - Predator Control Special Session AB Chapter of The Wildlife Society, Lac La Biche, AB, 19 Mar
- 2016** - Symposium Organizer, Joint meeting: Canadian Section – Canadian Section of The Wildlife Society & Canadian Ecology & Evolution Society, St John's, NF - Jul 7-10
- 2016** - Wildlife Society 22nd Conference, Ecology & Habitat Relationships, Winnipeg MB, 20 Oct
- 2015** - Western States & Provinces Deer and Elk Workshop, CWD Special Session, Canmore, AB, 14 May
- 2013** - Co-Chair, Joint Meeting of the Canadian Section of the Wildlife Society and the Alberta Chapter of The Wildlife Society, Canmore, AB – Mar 8-10
- 2010** - Co-Chair, Special Symposium on sustainable use and hunting, ICCB-Society for Conservation Biology Annual Meeting, Edmonton, AB - July 4
- 2010** - Co-Chair, Program Committee, Canadian Section Annual Meeting, Edmonton, AB – July 3

INVITED REVIEWS:

Research Grants:

- USGS, Review of our spatial analyses for feed ground elk related to CWD, Aug 2022
- Alberta Agriculture and Forestry: Research Proposal, Nov 2021
- Natural Sciences and Engineering Research Council of Canada (NSERC) Reviews - Discovery Grants (10 reviews) – since 2005
- Alberta Conservation Association – Biodiversity Student Grants – 2002-2019
- Minnesota Environment Natural Resources Trust Fund – Research Grant – 2016
- MITACS – MITACS Accelerate Grant – 2016
- Natural Environment Research Council (NERC)-Science Programs, UK – New Investigator Grant – 2014
- Alberta Conservation Association – Grant Eligible Conservation – 2005-2014
- Natural Environment Research Council (NERC), UK – PFD Scholarships – 2012
- US-Israel Bi-national Science Foundation, Ecology Program – 2009
- National Science Foundation, Ecology Program Grant (2) – 2008
- Research Council of Biological Sciences and Environment, Academy of Finland, Research Grants – 2003, 2005
- South African Resource Foundation, Pretoria, Research Grants – 2003
- National Science Foundation: Ecology Program, Washington D.C., Research Grants – 1992, 1994
- Milwaukee Zoological Society, Student Scholarship Grants – 1996, 1998
- UW-National Park Service Center, Laramie WY, National Park Research Grants – 1990-1993

Invited Program/Scholarship/Tenure Reviews:

- Faculty of Science, UBC-Okanagan, Faculty Review, 22 Dec 2024
- USGS, Northern Rocky Mountain Science Center, Bozeman, MT, Sept 2024
- Yellowstone International Wildlife Policy Conference Development, Haub School of Environment and Natural resources, Univ. Wyoming, 28-29 Sep 2023
- Faculty Docent Evaluation, Swedish University of Agricultural Sciences, 23 Apr 2023
- Review Panel: Canadian Council of Animal Care guidelines: Wildlife, 2020-2022
- University of Wyoming – Full professor review, 2021
- Alberta Chronic Wasting Disease Management and Policy Review, 2018-2019
- Draft Research and Monitoring Plan for the Little Smoky Caribou Rearing Facility – June 2019
- Tenure and Promotion review, Memorial University – October 2018
- Tenure and promotion review, Lakehead University – September 2018
- Columbia Mountains Institute, BC, Program Review: Southern MT Caribou 2016
- University of Minnesota, Tenure/Promotional External Review – 2016
- Southern Illinois University, Tenure/Promotional External Review – 2015
- ESRI Canada, ESRI Canada Scholarship Program – 2016
- University of Alberta, Dick Peter Conference – Student Judge – 2015
- University of Vermont, Tenure External Review – 2014
- Swedish University of Agricultural Sciences, PhD External Examiner – 2013
- Iowa State University, Tenure External Review – 2012
- University of Saskatchewan, PhD External Examiner – 2011
- The Wildlife Society-Technical Report, Ungulate Management in Parks – 2011
- University of Calgary, Biological Sciences, Faculty Tenure Review - 2010
- Université Claude Bernard-Lyon 1, Laboratoire de Biométrie et Biologie Evolutive (LBBE), PhD Dissertation Examiner - 2008

- US Forest Service-Alaska Region, Wildlife Resource Monitoring, Technical Reviewer – 2005
- Washington State University, Natural Resources, Tenure/Promotional External Review – 2002

Professional Activities and Positions:

- 2025-2026** President-elect of The Wildlife Society
- 2024-2025** Vice President of The Wildlife Society
- 2018-2024** Canadian Representative to The Wildlife Society Council (TWS)
- 2018-2024** TWS Publications Committee Chair
- 2018-2024** Fellows Committee, Group Awards Committee
- 2018-2024** Chair & member - TWS Position Statements Committee
- 2018-2024** Board member, Canadian Section of Wildlife Society
- 2018** Board Member, British Columbia Government, Management Plan for Rocky Mt Elk
- 2015-2018** Chair, The Wildlife Society - Canadian Section Awards
- 2012-2018** Co-Chair, Boone & Crockett Club - Conservation Grants Subcommittee, 2012-2018
- 2017** MSc Thesis External Examiner, Memorial University (Dec)
- 2016** Alberta Prion Research Institute, CWD Regional Workshop
- 2015** Past President, The Wildlife Society - Canadian Section
- 2014** President, The Wildlife Society - Canadian Section
- 2013** President-elect, The Wildlife Society - Canadian Section
- 2012** Fellow, The Wildlife Society
- 2012** Chair, The Wildlife Society - Aldo Leopold Award Committee
- 2011** Co-organizer, The Wildlife Society – Canadian Section, 1st Student Conclave
- 2011** Chair, The Wildlife Society - Jim McDonough Awards
- 2010-2011** Past President, The Wildlife Society – Alberta Chapter
- 2009-2010** Executive Board Member, The Wildlife Society - Canadian Section
- 2007-2010** Committee Member, Alberta Ingenuity: Policy for TSE Surveillance
- 2009** Chair, The Wildlife Society, Presidential Nominations
- 2008-2009** President, The Wildlife Society – Alberta Chapter
- 2008** President-elect, The Wildlife Society – Alberta Chapter
- 2008** Chair, Alberta Fish & Wildlife, Wolf Management Research
- 2007-2008** Chair - The Wildlife Society – Canadian Section, Nominations Committee
- 2007-2008** Committee Member, Alberta Prion Research Institute, Planning and Priority Committee: CWD Surveillance
- 2007** President, The Wildlife Society – Alberta Chapter
- 2006** President-elect, The Wildlife Society – Alberta Chapter
- 2005** Scientific Committee Member - Jasper National Park, Elk Monitoring Review Panel
- 2004** International Expert Panel Member - CWD in Canadian Wildlife, University of Saskatchewan, Canadian Cooperative Wildlife Health Centre
- 1999-2003** Membership Chair, The Wildlife Society – Alberta Chapter
- 2001-2002** Executive Board Member, The Wildlife Society – Alberta Chapter
- 2000** Selection Committee Member, Journal of Wildlife Management (Editor search)
- 1995-1996** Treasurer, University of Wisconsin-Stevens Point – Sigma Xi
- 1992-1993** Chair, The Wildlife Society - Wyoming Chapter, Awards Committee
- 1990-1991** Chairperson, The Wildlife Society - Wyoming Chapter, Resolutions and Position Statements
- 1988-1990** Newsletter Editor, The Wildlife Society, Wyoming Chapter – 1988-1990

Professional Memberships:

- Boone & Crockett Club, Professional member – since 2011

- Wild Sheep Foundation – Life member – since 2010
- Wildlife Disease Association – member – since 2008
- The Wildlife Society - Canadian Section – since 2007
- The Wildlife Society - Alberta Chapter– since 1999
- The Wildlife Society – British Columbia Chapter since 2019
- The Wildlife Society - Wisconsin Chapter– 1994-1999
- The Wildlife Society Wyoming Chapter – 1986-1994
- The Wildlife Society – since 1976
- Canadian Society of Ecology and Evolution – since 2006
- Ecological Society of America – since 1988
- International Association for Landscape Ecologists – since 1996
- Rocky Mountain Elk Foundation – Life member – since 1985
- Society of Conservation Biologists – since 1993
- Sigma Xi – 1995-2015

Community Involvement:

2023 - 2024	Milar Arabian Horse Participant
2018 - 2022	Dukes Ranch, Riding Establishment
2005 - 2025	Sherwood Park Fish and Game Club
2002 - 2025	Alberta Trapper Association: Registered Trapline
2002 - 2003	Cancer Society- canvassing, Edmonton
2001 - 2003	PTA McKernan Junior High School, Edmonton
2000 - 2003	SWAT Hockey League, Edmonton
1995 - 1997	PTA Steven Point Middle School, Stevens Point
1995 - 1999	Portage County Youth on Ice Hockey League representative
1994 - 1999	Boy Scouts of America – Pack 292
1994 - 1999	YMCA, Steven Point, WI

COURSES TAUGHT:

<u>Undergraduate Courses</u>	# Semesters	# Students	# Credits
<u>University of Alberta (1999- 2022)</u>			
Conservation biology (Bio 468)	12	12-18	3
Diversity of life (Bio 108)	8	315-360	3
Landscape ecology (Bio 471) *	22	11-18	3
Landscape ecology & applications (Bio 571) *	22	11-18	3
<u>University of Wisconsin-Stevens Point (1994-1999)</u>			
Introduction to Fish & Wildlife Management*	3	25-30	3
Wildlife Techniques*	8	25-30	3
<u>University of Wyoming (1986-1994)</u>			
General Biology	1	350	3
Wildlife Management (Game Biology) *	4	65-70	3
Vertebrate Natural History*	2	35-40	4
Introduction to Birds & Mammals*	2	35-40	2
Natural History of Fishes, Amphibians & Reptiles*	2	45-40	2

* Lab courses

<u>Graduate Courses and Seminars</u>	<u># Semesters</u>	<u># Students</u>	<u># Credits</u>
<u>University of Alberta (1999- present)</u>			
Biol 633: Movement in habitat selection	1	13	1
Biol 633: Spatial epidemiology	1	6	1
Biol 633: Models for animal movement	1	8	1
Biol 468: Conservation Biology	2	20	3
Biol 633: Habitat Ecology	1	8	1
Biol 571: Landscape Ecology	9	12	3
Biol 633: Herbivore Nutritional Ecology	1	6	1
Biol 564: Introduction to GIS and GPS	1	7	1
<u>University of Wisconsin-Stevens Point (1994-1999)</u>			
Issues of Scale in Ecology	1	10	2
Advanced Statistics	1	8	0.5
Biodiversity and Conservation	2	15	2
Plant-Herbivore Dynamics	1	12	2
<u>University of Wyoming (1986-1994)</u>			
Wildlife Habitat Ecology	3	13-16	2
Spatial Statistics and Modeling	1	12	2
GIS Applications in Environmental Modeling	1	11	2
Riparian Ecology & Management Seminar	1	8	1
Game Harvest Management	1	14	1
Fire Ecology Seminar	1	12	1
Multivariate Statistics Seminar	1	8	1

Short-courses:

- 2023 Applied Wildlife Modeling: Epidemiological models Norway Inland University, August 26-29
 2022 Applied Ecology: Models in wildlife conservation, Hedmark University, Evanstat, 20-29 August
 2011 Applied Ecology: Resource selection functions. International Research School in Applied Ecology, Hedmark University, Evanstat, Norway. 9-12 August 2011.

Student Advising:

2007-2010	Advisor: Ecology program	University of Alberta
2006	Mentor: Outreach program	WP Wagner High School, Edmonton
1990-1994	Advisor: Student Chapter of The Wildlife Society	University of Wyoming

SUPERVISED:

Undergraduate Supervision:

<u>Name</u>	<u>Dates</u>	<u>Project Title and Awards</u>
Wyatt Villetard	2021	URI - Effect of Insect Harassment on Woodland Caribou Movement in Northeastern Ontario
Gary Elashuk	2020	USRA – Deer contacts from remote cameras
Robert Lu	2019	URI - Deer RSF from remote cameras
Darby McPhee	2018-2019	Bio 499 – Honors thesis, Ya Ha Tinda elk grouping dynamics
Eleanor Stern	2018-2019	Bio 499 – Honors thesis, Landscape heterogeneity on mule deer

Kayla Kuefler	2018-2019	Bio 399 - Time-to-event modeling for deer habitat use
Dascha Ivanova	2018-2019	Bio 298 – Woody cover influence on deer contact domains
Robert Lu	2018-2019	Bio 298 – Habitat selection of mule deer
Maria Dobbin	2018	CWD mule deer study, Summer NSERC USRA
Eleanor Stern	2018	CWD Modeling with ALCES, Blanch Summer Undergrad Researcher Stipend
Khadija Malik	2017-2018	Bio 398, Caribou foraging ecology – video translation
Michelle Bentley	2017-2018	Bio 398, Caribou foraging ecology – video translation
Dana Wong	2017-2018	Bio 398, Caribou foraging ecology – video translation
Tehseenah Zahrah	2017-2018	Bio 398, Caribou foraging ecology – video translation
Jessica Melsted	2017-2018	Bio 499, Summer elk response to predator occurrences
Darby McPhee	2017-2018	Bio 398, Caribou foraging ecology – video translation
Jesse Lentz	2016-2017	Bio 499, Honors. Thesis, Hormonal reaction to stress in elk
Jed Pettit	2015-2016	Bio 399, Honors Thesis, Density-dependent habitat selection of elk
Alyssa Bonart	2014-2015	Bio 499, Honor Thesis, Spatial predation at Ya Ha Tinda
Alyshia Skurdal	2014-2015	Bio 399, Undergrad research: Prey Diversity in Predator Diets
Alexandra Beatty	2014-2015	Bio 398, Undergrad research: Comparison of scat methods
Trevor Pettitt	2014-2015	Bio 499, Honors thesis, Genetic relatedness and connectivity in deer
Nicole Boucher	2014-2015	Bio 499, Honors thesis, Stress hormones in elk
Kerri Krawchuk	2013-2014	Bio 499. Honors thesis. Grizzly bear habitat selection, Biology 499 Student award
Stephanie Coates	2012-2013	Comparison of wolf diets at Ya Ha Tinda, 2005 and 2012. Parks Canada Report, 15 pp.
Brett Howard	2009-2010	Bio 499. Honors Thesis. Prey space use in a multi-predator system.
Patrick Jones	2008-2009	Bio 499. Honors Thesis, Areas-intensive search patterns of ungulate grazing assemblages
Barry Norbert	2008-2009	Bio 499. Honors Thesis, Habitat selection of deer in CWD areas
Crystal Riczu	2007-2008	Bio 499. Honors Thesis. Is hunter success related to wolf reintroduction in Idaho
Chelsea Flaig	2007-2008	Bio 499. Honors Thesis. Coyote diets related to deer availability

Master's Supervision:

<u>Name</u>	<u>Degree Date</u>	<u>Thesis/Project Name</u>	<u>Post-degree Position</u>
Julie Herrick	--	Structural Decision Making for CWD Magt	
Maddie Trottier	2022	Winter behaviour in a new migratory segment: Ya Ha Tinda elk herd	Parks Canada Biologist
Maria Dobbins	2022	Contact models of CWD in mule deer	
Kelsey Gritter	2022	Modeling CWD due to artificial attractants	Physical Scientist, Northern Forestry Centre
Kelly Mulligan	2021	Loss of migration in B.C. elk	Cumulative Effects Biologist, Kimberley, BC
Jacalyn Normandeau	2019	Parasites in a partially migratory elk herd	Vet student, Ontario

Mitchell Flowers	2019	Winter predator distribution at Ya Ha Tinda	Environmental Consultant, Smithers, B.C.
Kara MacAulay	2019	Spatial distribution of prey in scats, Ya Ha Tinda	BC Wildlife Ministry
Allicia Kelly	2019	Woodland caribou habitat selection	
Eric Spilker	2018	Spatial distribution of prey in scats, Ya Ha Tinda	Medicine Hat, Alberta
Shantel Sparkes	2016	Elk carrying capacity since 1980 Mt. St. Helens eruption	Environmental Consultant, North Shore Environmental Consultants
Kerri Krawchuk	2014	Cougars and wolves: sympatric ecology	
Celie Interling	2014	Elk grouping dynamics at Ya Ha Tinda	Wildlife Technician at Aseniwuche Environmental Corporation
Andrew Geary	2013	Habitat relationships of elk at Mt. St. Helens	
Barry Norbert	2012	CWD: modeling movement corridors	Alberta Fish & Wildlife
Lindsay Glines	2011	Grassland vegetation dynamics	Saskatchewan Environment
Peter Knamiller	2011	Wolf summer predation in AB.	Coordinator, Wolf Management Program, Yukon
Tom Habib	2010	Ecology and management of white-tailed deer and mule deer: chronic wasting disease.	Alberta Biodiversity Monitoring Program; Alberta Government.
Barry Robinson	2009	Foraging-predator avoidance trade-offs made by Migrant and resident elk (<i>Cervus elaphus</i>) on their sympatric winter range	Grassland Bird Biologist, Canadian Wildlife Service
Heather McPhee	2009	Kill site selection and attack rates of wolves in heterogeneous environments in west central Alberta.	Environmental consultant
Phil DeWitt	2008	Ungulate guild dynamics in aspen parklands	Environmental Consultant Matrix Solutions
Maria Didkowsky	2007	Foraging behavior of ungulates in aspen-prairie.	Parks Canada
Hannah McKenzie	2007	Wolf movement responses to on linear features.	PhD program at University Alberta
James Allen	2004	RSF stratification-based survey methods.	Head Biologist, Game and Priority Species, SRD, AB.
Stephen Hamilton	2004	Effects of habitat on bison in Wood Buffalo NP.	Biologist, Alberta Conservation Association
Megan Watters	2003	Effects of seasonal grazing on grassland soils.	Environmental consultant, Edmonton, AB.
Leslie McInenly	2003	Seasonal grazing on montane rough fescue.	Minnesota Department Conservation
<u>University of Wyoming</u>			
Tom Kohley	1996	Habitat modeling approaches in Gap Analysis	Owner and Operator at Ranch Maps, Billings, Montana
Greg McDaniel	1995	Deer ecology on Devils Tower National Monument	

Sean Kelly	1995	Elk and cattle impact on riparian areas, Idaho
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Doctoral Supervision:

<u>Name</u>	<u>Degree Date</u>	<u>Thesis/Project Name</u>	<u>Post-degree Position</u>
Philip Walker	2023	Foraging ecology & habitat selection of caribou during calving	Wildlife Biologist
Jodi Berg	2019	Elk calf ecology at Ya Ha Tinda	Idaho Fish and Game Biologist
Peter Smolko	2013	Fire-habitat relationships of <i>Cervus elaphus</i>	Slovakia
Darcy Visscher	2010	Trade-offs between risk and reward at multiple scales: A state-dependent approach	Instructor, Kings College
Nathan Webb	2009	Density, demography, functional response of wolf population in central Alberta, Canada.	Alberta Carnivore Biologist
Mark Hebblewhite	2006	Wolf predation on elk foraging and migration.	Assoc. Professor, University of Montana, Missoula
Jacqui Frair	2005	Cumulative effects of forestry on elk.	Associate Professor, SUNY, Syracuse

Postdoctoral Supervision:

<u>Name</u>	<u>Date</u>	<u>Project</u>	<u>Post-degree Position</u>
Owain Barton	2024-2026	Modeling harvest & vaccines strategies for CWD in Alberta	
Phillip Walker	2023	PDF: Movement ecology: chronic Wasting Disease Risk in Alberta	Wildlife Biologist, WSP
Jingjing Xu	2023	PDF: Modeling transmission of CWD	ScotiaBank Manager
Peter Smolko	2020	PDF: Modeling CWD spread	Slovakia
Erin Rees	2009	PDF: Modeling CWD spread in SK & AB	Professor, Laval University, Quebec
Daniel Fortin	2003	PDF: Foraging ecology of elk	Professor, Laval U Quebec
Alexei Potapov	2014	Research Associate: Epidemiological modeling of deer CWD	Research Associate University of Alberta

GRADUATE STUDENT SCHOLARSHIPS & AWARDS:

<u>Student</u>	<u>Degree</u>	<u>Year</u>	<u>Award</u>
Kelsey Gritter	MSc	2020-2021	NSERC CGS-M Alberta Graduate Excellence Scholarship
Madeline Trottier	MSc	2019-2020	NSERC CGS-M Alberta Graduate Excellent Scholarship
Maria Dobbin	MSc	2020	GSA Teaching Assistant Award
		2019	Alberta Graduate Excellent Scholarship
Jacalyn Normandeau	MSc	2017-2018	NSERC CGS-M
		2017	University Admission Award
		2018	

		2018	Best Poster Award - Alberta Chapter Wildlife Society Best Student Poster: Alberta Chapter Wildlife Society
		2019	2 nd place Student Presentation - Alberta Chapter Wildlife Society
		2019	Best MSc Poster- Peters Conference, U Alberta. Edmonton, AB.
		2019	Alberta Chapter of the Wildlife Society Student Travel Grant.
Phil Walker	PhD	2018	2 nd Place Poster - Alberta Chapter of the Wildlife Society Certificate of Teaching Innovation
		2019	Best Student Presentation - Alberta Chapter Wildlife Society WCSC - W. Garfield Weston Fellowship Award
Kelly Mulligan	MSc	2019	Teaching accommodation
Kara MacAulay	MSc	2017	UA Teaching Award Best oral presentation - Alberta Chapter of the Wildlife Society Bill Samuel Award
		2018	Graduate Teaching Award - Department of Biological Sciences UAlberta Alberta Chapter of the Wildlife Society Travel Grant
Eric Spilker	MSc	2014	NSERC-CGS- M Scholarship QE II
		2017	Best Poster - R.E. Peters Symposium, UAlberta, Edmonton, AB
		2018	Graduate Teaching Award - Department of Biological Sciences UAlberta
Jodi Berg	PhD	2012	Doctoral Recruitment Scholarship, UAlberta
		2015	William Wishart - Alberta Chapter of the Wildlife Society William Samuel Award, UAlberta
		2016	Best student poster - Alberta Chapter of the Wildlife Society
Shantel Sparkes	MSc	2015	University Teaching Award
		2016	William Samuel Award
Kerri Krawchuk	MSc	2014	NSERC-CGS- M Scholarship
Andrew Geary	MSc	2011	QE II
Barry Nobert	MSc	2010	NSERC-CGS-M Scholarship QE II
Patrick Jones	Ung	2009	NSERC-USRA summer internship
Lindsay Glines	MSc	2008	NSERC-CGS-M Scholarship QE-II Julia O'Hrapko Scholarship
Heather McPhee	MSc	2008	NSERC-PGS-M Scholarship

			QE-II (declined)
Tom Habib	MSc	2008	NSERC-CGS-M Scholarship
Barry Robinson	MSc	2007	NSERC-CGS-M Scholarship
		2008	Teaching Award, UAlberta
		2009	Teaching Award, UAlberta
Phil DeWitt	MSc	2007	Teaching Award, UAlberta
Chris Garrett	MSc	2007	NSERC: Julie Payette Graduate Scholarship
Darcy Visscher	PhD	2006	NSERC: Industrial Scholarship
		2007	Teaching Award, UAlberta
		2008	Teaching Award UAlberta
Nathan Webb	PhD	2006	J Gordin Kaplan Graduate Student Award
		2006	Louis D. Hyndman Sr. Award: Award for Animal Welfare in Research- Technical recipient
		2006	Graduate Student Award, Alberta Chapter of the Wildlife Society
		2007	Best Student Poster, Northwest Section of The Wildlife Society, Red Deer, Alberta.
Mark Hebblewhite	PhD	2002	Cannon National Parks Science Scholars
		2004	Best Post Award, Alberta Chapter of The Wildlife Society
		2005	Andrew Stewart Graduate Award, UAlberta
		2005	NSERC Post-Doctoral Fellowship
		2005	Parks Canada National Ecological Integrity Merit Award
		2006	Martha Piper Graduate Award, UAlberta
		2006	Convocation Governor General's Award, <i>Nomination</i>
Jacqui Frair	PhD	2006	NSERC Doctoral award: UA Science nomination,
		2004	Best student paper, Alberta Chapter of the Wildlife Society
		2005	Graduate Student Award, Alberta Chapter of the Wildlife Society
		2006	Outstanding Dissertation Award: <i>Nomination</i>
Hannah McKenzie	MSc	2005	Alberta Ingenuity Scholarship
			NSERC PGS Scholarship
Maria Didkowsky	MSc	2005	Best student paper, Alberta Chapter of the Wildlife Society
		2004	NSERC PGS Scholarship

Graduate Supervisory Committee (member only):

<u>Name of Student</u>	<u>Degree</u>	<u>Begin</u>	<u>End</u>
Birch Gano- Univ Montana	MSc	2023	2025
Conner Meyer, Univ. Montana	PhD	2021	2026

Tara Meyer	PhD	2020	2025
Univ. Montana			
Arlana Bennett	PhD	2020	--
Brianna Lorentz	MSc	2021	2023
Alexa Macpherson	MSc	2019	2022
Noelle Helder	MSc	2019	2021
Maggie McDonald	MSc	2019	--
Alex Beatty	MSc	2017	2020
Hans Martin	PhD	2016	2021
Univ. Montana			
April Manning	PhD	2016	2020
Amy Johnson	PhD	2015	2020
Elly Knight	PhD	2015	2021
Michael Peers	PhD	2015	2019
Julia Shonfield	PhD	2012	2018
Melanie Dickie	MSc	2011	2015
Meghan Anderson	MSc	2010	2014
Robert Found	MSc	2010	2014
Xiaofeng Ruan	PhD	2010	2016
Aditya Gangadharan	PhD	2009	2014
Ulrike Schlaegel	PhD	2009	2015
Tisa Bevan	MSc	2008	2011
Claudia Lopez	PhD	2008	2012
Marie Auger-Methe	PhD	2008	2014
Christine Lambert	PhD	2007	2012
Adam Blake	MSc	2007	2010
Michael Clark	MSc	2008	2010
Daniel Fitzgerald	MSc	2007	2012
John Nagy	PhD	2006	2009
Kim Dawe	PhD	2006	2011
Stephanie Nakada	MSc	2006	2009
Kerri Lappin	MSc	2006	2009
Todd Mahon	PhD	2005	2010
Holger Spaedke	MSc	2005	2009
Christy Strocel	MSc	2005	2009
Gerry Kuzyk	PhD	2004	2008
Ian Whittaker	MSc	2004	2008
Marg Glasgow	MSc	2003	2006
Emily Parks	MSc	2003	2005
Amy Hurford	MSc	2003	2005
Conrad Thiessen	MSc	2003	2006
Nathan Varley	PhD	2003	2007
Guangquan Su	PhD	2002	2004
Heather Hinam	PhD	2002	2007
Judy Muir	MSc	2002	2004
Angela Bogan	MSc	2001	2005
Evan Richardson	MSc	2001	2004
Elsebe Kloppers	MSc	2001	2004
Boyan Tracz	MSc	2001	2004
Glynnis Hood	PhD	2001	2006
Megan Colon	MSc	2000	2002

ORAL PRESENTATIONS since 2010 (student presentations not listed):

2026

- Selection, use, choice, and occupancy: clarifying concepts in resource selection studies. Morgan Ernest, Lab. University of Florida Gainesville, FL. 9 Apr.
- Patterns, Processes and Prions: Chronic wasting disease in Alberta: Advanced Ecology Series, Holt Lab. University of Florida, Gainesville, FL. 24 Mar.
- Insights on Partial Migratory Strategies from a Long-term Study of the Ya Ha Tinda Elk Patterns. Wildlife Ecology Seminar series, University of Florida, Gainesville, FL. 9 Feb
- How can we bridge the gap in research, management and policy in Alberta? Plenary speaker. Alberta Chapter of The Wildlife Society, Camrose, AB. 29 Feb.
- Patterns, Processes and Prions: Chronic Wasting Disease in Alberta, Jones Center, Georgia. 30 Jan 2026.

2025

- Patterns, Processes and Prions: Chronic Wasting Disease in Alberta, University of Montana, Missoula, MT, USA, Forestry & Conservation seminar series. Seminar series. 24 Nov.
- Processes and Prions: Chronic Wasting Disease in Alberta. University of Montana, Missoula, MT. 30 Oct.

2024

- Modeling CWD for Alberta management, *Alberta's Fish & Wildlife Biologist Seminar series*. 6 Dec 2024.
- CWD Modeling Spread and Effects, Results Driven Agricultural Research, *CWD Workshop, Edmonton*, 11 June 2024.
- Results Driven Agriculture Research Meeting on Chronic Wasting Disease, *Edmonton, Alberta*, 11 June 2024
- Overview of Modeling Vaccine Strategies for CWD in Alberta, *NSERC Alliance Research Group, Red Deer Polytechnic College, Red Deer, AB*. 1 May 2024
- Pathways to Decision Making on CWD, *Office of the Chief Scientist*, April 2024
- Overview of Mule Deer Modeling: CWD management in Alberta, *Centre for Prions and Protein Folding Diseases, Seminar Series*, 24 March 2024 (virtual)
- Time marches on: Modeling to support CWD management in Alberta, *Alberta Office of the Chief Scientist, Seminar Series*, 23 March 2024 (virtual)

2023

- Time marches on: CWD in Alberta. *Texas Univ, A&M-Kingsville, Kingsville, TX* Dec 2023 (**invited** as Caesar Kleberg Seminar Series).
- Lessons from long-term research on elk migration. *Texas Univ, A&M-Kingsville, Kingsville, TX* Dec 2023 (**invited** as Caesar Kleberg Seminar Series)
- Efforts in Coping with CWD, *Saskatchewan Biologists Meeting*, 16 Nov 2023, (Virtual)
- Building CWD management support tools. *Govt. Alberta Modeling Community Seminar*, 2 Nov
- CWD Modeling Efforts, *Government of Alberta; Modeling Community of Practice*, 2 Nov 2023
- What research tells us for the Ya Ha Tinda elk herd: *Alberta Association of Trail Riders*, 25 Oct
- Bioeconomic Tool: harvest strategies for Chronic Wasting Disease management in Alberta, *4th International Chronic Wasting Disease Symposium, Denver, CO*. 31 May 2023

- Modeling CWD in Alberta. *4th International Chronic Wasting Disease Conference*, Denver, CO. 30 May 2023 (2 talks & 2 posters) (Merrill/Hubbs/Pybus/Xu)
- Time marching on: CWD in Alberta, *Univ. Alberta Prion Research Center Seminar Series*, 5 April 2023 (Virtual)
- Risky business: relating probability of contact to disease on the landscape. *Saskatchewan Chapter of the Wildlife Society*, Feb 3 2023. (Merrill/Dobbin)
- Bridging the gap between wildlife and science. *Alberta Fish and Wildlife: Wildlife Community of Practice Meeting*. Jan 19 2023

2022

- CWD Marching on in Alberta. *Alberta Innovates - Clean Resources Team, Alberta Innovates*. 16 Nov 2022 (Merrill)
- Modeling efforts in support of CWD management in Alberta, *Office of the Chief Scientist Seminar*, 16 Nov 2022 (Merrill)
- Taking the long view: Rewards and challenges in long-term research. *The Wildlife Society Annual Conference, Spokane, WA* 06 Nov 2022. (Merrill/Hebblewhite).
- International Engagement in The Wildlife Society. *Norway Student Chapter of the Wildlife Society, Inland Norway University of Applied Sciences, Evanstat, Norway*.
- Models for managing wildlife diseases. *Inland Norway University of Applied Sciences, Evanstat, Norway*, 27 Aug 2022 (Merrill)

2021

- Modeling CWD spread: CWD Research Update, *Alberta Prion Research Institute, Edmonton, AB* (virtual) 27 April
- Alberta CWD Risk Modeling: final application demonstration. *Alberta Environment and Parks, Edmonton, AB* (virtual), 21 Jan. (Put/Merrill).

2020

- Alberta CWD Risk and Spread Modeling, *Alberta Environment Scientific Series, Edmonton, AB*, (virtual) Dec 6.
- Alberta CWD Risk Modeling: progress and update. *Alberta Environment and Parks, Edmonton, AB* (virtual), Jun 18. (Put/Merrill).

2019

- Invited speaker: Long-term research at the Ya Ha Tinda, AB. *Alberta Trail Riding Association, Edmonton, AB* 20 Jan 26.
- Invited speaker: Research, training and Career Opportunities, *Second Training Conference, University of Alberta*, Nov 13 (Merrill)

2018

- Invited speaker: Twenty years of predators and prey in Alberta. *BC Wildlife Federation Convention, Fort St John, BC*, 8 May 2019. (Merrill)
- Invited speaker: Women in Wildlife: Advocating for yourself. *Alberta Chapter of the Wildlife Society Annual Meeting, Canmore, AB* 23 Mar (Merrill).
- Invited speaker: *Ontario Fish and Anglers General Meeting*: Two talks: Chronic Wasting Disease – the basics; 14 Mar.; CWD management and research in Alberta, Mississauga, ON Mar 15. (Merrill)
- Invited speaker: Winter Get Away, Challenges to Chronic Wasting Disease, *Manitoba Chapter, Pinawa MB*, 8 Feb. (Merrill)
- Plenary Speaker: Six degrees of separation: Looking North at Wildlife Management in Canada. *The Wildlife Society Annual Meeting, Cleveland, OH, USA*, 10 Oct (Merrill)
- Invited Speaker – Using Animal Movement and Network Models to Understand Disease Transmission and Spread. *9th International Deer Biology Congress Estes Park, CO. USA* - 7 Aug

- *Invited Speaker - From animal movement to management: predator-prey interaction*, US Regional Assoc. of the International Association for Landscape Ecology (US – IALE) Chicago, IL, USA - 9 April
- *Invited Speaker – Prions, wolves and elk movements in heterogeneous landscape*. University College, Dublin, Dublin, Ireland - 5 Apr (Merrill).
- *Invited Speaker - CWD: field studies in support of management*. Alberta Prion Research Institute Scientific Meeting Calgary, AB - 28 Feb (Merrill).
- *Invited Speaker - Animal movements in heterogeneous landscapes*. Dep. Zoology, Oxford University. Oxford, England - 19 Feb (Merrill)

2017

- *Invited Speaker - CWD: An update from Alberta. International Workshop on Chronic Wasting Disease: Emerging Questions in Science and Policy* (November 8-9, 2017) Canmore, AB - 9 Nov (Merrill).
- *Invited Speaker - Migratory elk herds at Ya Ha Tinda, B.C. Government, Cranbrook, BC* - 23 Oct. (Merrill)
- *Do winter elk densities influence elk movement and trade-offs in winter habitat selection. The Wildlife Society Animal Meeting, Albuquerque, NM, USA* - 24 Sep. (Merrill)
- *Invited Speaker - Long-term research reveals unexpected flexibility in migratory behaviors: its drivers and population consequences in a large herbivore Ecological Society Annual Meeting, Portland, OR, USA* - 8 Aug (Hebblewhite)
- *Invited Speaker - Modeling animals' movements in heterogeneous landscapes. University of Melbourne, Melbourne, Australia* - July 29. (Merrill).
- *Invited Speaker - Changing migration in the Ya Ha Tinda elk population: When where and why to migrate? 12th International Mammalogical Congress, Perth, Australia* - 14 Jul. (Merrill & Hebblewhite)
- *Keynote - Chronic wasting disease: where is it leading us? Natural resources and environment program, University of Northern British Columbia, Prince George, BC* - 24 March. (Merrill)
- *Invited Speaker - Chronic Wasting Disease – updating the situation in Alberta. Alberta Prion Research Institute Scientific meeting, Edmonton, AB* - 28 Feb. (Merrill)
- • *Keynote - Mount St. Helens: a story of recovery. Alberta Wilderness Association, Calgary, AB* - 2 Feb. (Merrill)

2016

- *Invited Speaker - Bridging the gap between wildlife research and management: where do we stand? Special Symposium, Annual Meeting of The Wildlife Society, Raleigh, NC, USA* - 19 Oct.
- *Compensation and density dependence, Columbia Mountains Institute of Applied Ecology, Revelstoke, BC* - 6 Apr. (Boyce)
- *Keynote - From movement to management. R.E. Dick Peter Biology Conference, Edmonton, AB* - 10 Mar. (Merrill)
- *Invited Speaker - Chronic wasting disease in Alberta: an update. Alberta Prion Research Institute Scientific Mtg, Calgary, AB* - 3 Feb. (Merrill)
- *Invited Speaker - Mount St. Helens: The power of nature. Alberta Wilderness Association, Speaker series. Edmonton, AB* - 13 Jan. (Merrill)

2015

- *Invited speaker -Which habitat model for elk? Canadian Society of Ecology & Evolution, Saskatoon, SK* - 22 May (Merrill)
- *Invited speaker – Cumulative effects of industrial development and wolves on elk habitat. University of Idaho, Moscow, ID* 8 Apr (Merrill)
- *Invited speaker – Perspectives on Canadian Wildlife Management, University of Idaho, Moscow, ID* 7 Apr (Merrill)
- *Invited Speaker - Experimental harvest for CWD control. AB Prion research Institute, Edmonton, AB* - 26 Jan (Merrill)

2014

- Invited Speaker - Understanding gender bias. *Idaho Chapter of The Wildlife Society*, Boise, ID, USA - 6 Mar (Merrill)

2013

- Invited Speaker - Advocating for your career. *Women's symposium: The Wildlife Society*. Milwaukee, WI, USA - 26 Oct (Merrill)
- Invited Speaker - Mechanisms of CWD transmission in deer. *The Wildlife Society*. Milwaukee, WI, USA - 26 Oct (Merrill)
- Invited Speaker - Deer and CWD in Alberta. *Alberta Prion Research Institute Symposium*. Edmonton, AB - 19 Nov (Merrill)
- Incorporating movement-based landscape connectivity into assessments of chronic wasting disease. *Western States and Provinces Deer and Elk workshop*. Missoula, MT, USA - 8 May (Merrill)
- Invited Speaker - Status of Chronic Wasting Disease in Alberta. *Alberta Prion Institute*. Banff, AB - 28 May (Merrill)
- Invited Speaker - Long-term studies of the Ya Ha Tinda elk herd. *Northern Alberta Chapter of the Safari Club*, Edmonton, AB - 8 Jan. (Merrill)

2012

- Invited Speaker - Loss of more than migration: Is the Ya Ha Tinda elk herd imperiled? *The Wildlife Society*, Portland, OR, USA - 15 Oct. (Merrill)
- Invited Speaker - Connecting the dots: Chronic wasting disease in Alberta's wild deer. *Alberta Innovates and Bio Solutions Impact Innovation Speakers Series with Jay Ingram*. Edmonton, AB - 16 May; Calgary, AB - 17 May (Merrill)
- Cumulative effects of wolves and industrial activities on habitat effectiveness for elk in the Rocky Mountains of Alberta. *National Fish and Wildlife Conservation Congress*, Ottawa, ON - Mar 23 (Merrill)
- Invited Speaker - Dynamics of the Ya Ha Elk herd: What research has taught us. *Sundre Trappers Association*, Sundre, AB - 20 Mar. (Merrill)
- Predicting the spread of chronic wasting disease in east-central Alberta. *Annual Mtg. Alberta Chapter of The Wildlife Society*. Medicine Hat, AB - 16 Mar (Merrill)
- Invited Speaker - Ya Ha Tinda research next steps. *Parks Canada Research Mtg.*, Sundre, AB - 10 Mar. (Merrill)
- Dynamics of the Ya Ha Elk herd: What research has taught us. *Alberta Fish and Game Association*. Sundre, AB - 11 Dec. (Merrill)

2011

- Cumulative effects of wolves and industrial activities on habitat effectiveness for elk in the Rocky Mountains of Alberta. *Dep. Biology, Univ. Calgary*, AB - 2 Dec. (Merrill)
- Spread of chronic wasting disease: Did mule deer draw the short straw? *Annual Mtg. The Wildlife Society*, Waikoloa, HI, USA - 9 Nov (Merrill)
- Industrial activities and elk in the eastern slopes of Alberta. *GIS Day*. Univ. Alberta, Edmonton, AB - 18 Nov (Merrill)
- Invited Speaker - Cumulative effects of wolves and industrial activities on habitat effectiveness for elk in the Rocky Mountains of Alberta. *Annual Mtg. Canadian Section of The Wildlife Society*. Thunder Bay, ON - 24 Sept. (Merrill)
- The Alberta Advantage: integrated surveillance, management, and research during the early stages of CWD intrusion- look early, act quickly, learn as you go. *Annual Mtg. Wildlife Disease Association* - Aug 23 (Pybus)
- Invited Speaker - Wolf predation in heterogeneous landscapes of Alberta, Canada. *Norwegian University of Science and Technology*, Trondheim, Norway - 15 Aug (Merrill)

- Invited Speaker - Cumulative effects of wolves and industrial activities on habitat effectiveness for elk in the Rocky Mountains of Alberta. *Hedmark University, Evandstad, Norway* - 10 Aug (Merrill)
- Chronic wasting disease in Alberta: Did mule deer draw the short straw? *The Wildlife Society Meeting, Waikoloa, HI, USA* - 7 Nov. (Merrill)
- Of large herbivores and men: Long-term studies at Ya Ha Tinda, *A.R.E Sinclair Symposium, Vancouver, BC* - 17 Sep (Merrill)
- Time and CWD marches on. *Wildlife Disease Association 60th Annual International Conference, Quebec City, QC* - 15 Aug. (Pybus)
- Chronic wasting disease in Alberta: Did mule deer draw the short straw? *Elk and Deer Workshop, Albuquerque, NM USA* - 18 May. (Merrill)
- Partial migration at Ya Ha Tinda: Do residents have the home advantage? *Elk and Deer Workshop, Albuquerque, NM USA* - 16 May (Merrill)
- Resource selection, use and choice: modeling the differences. *Grismo, Sweden* - 27 Mar (Merrill)
- Invited Speaker - Wolf selection and predation: models for time-to-kill. *Grismo, Sweden* - 26 Mar.
- Landscape heterogeneity and predation: Time-to-kill models. *Imperial College, Silwood Park, England* - 21 Mar. (Merrill)

2010

- Invited Speaker - Implications of wolf movements for functional responses. *Dep. Biological Sciences Univ. Adelaide, Adelaide, Australia* - Nov 20 (Merrill)
- Invited Speaker - Habitat selection: confusing terminology, *Univ. Queensland, Brisbane, Australia* - Nov 14 (Merrill)
- Invited Speaker - Influence of landscape heterogeneity on wolf path selection and time-to-kill. *Society for Behavioral Ecology, Perth, Australia* - 29 Sep. (Merrill)
- Invited Speaker - Wolves moving in heterogeneous landscapes with human disturbance. *Landcare, Lincoln, New Zealand* - 6 Oct (Merrill)
- Invited Speaker - Translocating wildlife species: elk in Alberta. *CSIRO, Brisbane, Australia* - 12 Oct (Merrill)
- Modeling elk movements in heterogeneous landscape, *Univ. Queensland, Brisbane, Australia* – 21 Sept. (Merrill)
- Plenary Speaker - Modeling CWD spread using hunter surveillance data from SK: implications for Alberta. *Alberta Chapter of The Wildlife Society, Annual Mtg, Red Deer, AB* - 13 Mar
- Plenary Session - Risk of CWD in mule deer and white-tailed deer populations in Alberta and Saskatchewan, *Alberta Chapter of The Wildlife Society, Annual Mtg, Red Deer, AB* - 13 Mar (Merrill)
- Invited Speaker - Field studies in support of CWD studies: *Alberta Fish and Game Association Youth Group, Edmonton, AB* - Feb 23 (Merrill)
- Invited Speaker - Modeling the cumulative effects of industry and wolves on habitat effectiveness for elk. *Institute for Complex Data Structure statistical workshop, Montreal, QC* - 4-5 Mar. (Merrill)
- Invited Speaker - Landscapes of fear: Wolf-elk behavioral responses in the Canadian Rocky Mountains. *Univ. Washington, WA, USA* – 25 Jan (Merrill)

Recent Media Outlets:

- Webinar Series, *Alberta: Chapter of The Wildlife Society*, September 2024 (virtual) E. Merrill, A. Hubbs, and M. Pybus.
- CWD Podcast, Rude Corporation, 20 May 2021

- Women in Wildlife: Interview, Oregon Chapter of The Wildlife Society: Personal history
- Featured research: Ya Ha Tinda Elk project: Oulett, N. 2019. Fading migrations: historic migrations have dwindled sharply over the past 20 year. Bugle July:93-105.
- Featured talk on The Wildlife Society Newsletter: Do winter densities influence trade-off in the movements and habitat selection of elk.
- Faculty of Science news: From wild boars to elephants, mammals move less in human landscapes - Katie Willis, Jan 2018
- TWS Newsletter: RMEF honors TWS member: Evelyn Merrill, Aug 15, 2017
- CKUA Radio FM- Genotypes of deer and modeling CWD risk, Jul 2017
- Safari Mountain Foundation Bugle Magazine: Wildlife Researcher Award Interview, 2017
- Rocky Mountain Foundation Bugle Magazine: Wildlife Researcher Award Interview, 2017
- Science News - Eggeman et al. 2016: Behavioural flexibility in migratory behavior in a long-lived large herbivore, 2016
- Craig and Canyon – Changing elk migration at Ya Ha Tinda, 2016

Technical Contributions:

- Beyer, H. Hawth's Analysis Tools for ArcGIS: GIS spatial tools initially developed in response to research and teaching efforts associated with my lab from 2003-2005. These tools are now used world-wide. See: <http://www.spatialecology.com/htools>.