

Interagency Grizzly Bear Study Team Publication List 1974–2020



Peer-reviewed Journal Articles:

1. van Manen, F. T., M. R. Ebinger, D. D. Gustine, M. A. Haroldson, K. R. Wilmot, and C. L. Whitman. 2019. [Primarily resident grizzly bears respond to late-season elk harvest](#). *Ursus* 30e1:1–15.
2. Wells, S. L., L. B. McNew, D. B. Tyers, F. T. van Manen, and D. J. Thompson. 2019. [Grizzly bear depredation on grazing allotments in the Yellowstone Ecosystem](#). *Journal of Wildlife Management* 83:556–566.
3. Cross, P. C., F. T. van Manen, M. Viana, E. Almberg, D. Bachen, E. Brandell, M. A. Haroldson, P. J. Hudson, D. Stahler, and D. Smith. 2018. [Estimating distemper virus dynamics among wolves and grizzly bears using serology and Bayesian state-space models](#). *Ecology and Evolution* 8:8726–8735.
4. Peck, C. P., F. T. van Manen, C. M. Costello, M. A. Haroldson, L. A. Landenburger, L. L. Roberts, D. D. Bjornlie, and R. D. Mace. 2017. [Potential paths for male-mediated gene flow to and from an isolated grizzly bear population](#). *Ecosphere* 10.1002/ecs2.1969.
5. Costello, C. M., S. L. Cain, S. R. Pils, L. Frattaroli, M. A. Haroldson, and F. T. van Manen. 2016. [Diet and macronutrient optimization in wild ursids: A comparison of grizzly bears with sympatric and allopatric black bears](#). *PLoS ONE* 11(5): e0153702.
6. Ebinger, M. R., M. A. Haroldson, F. T. van Manen, C. M. Costello, D. D. Bjornlie, D. J. Thompson, K. A. Gunther, J. K. Fortin, J. E. Teisberg, S. R. Pils, P. J. White, S. L. Cain, and P. C. Cross. 2016. [Detecting grizzly bear use of ungulate carcasses using global positioning system telemetry and activity data](#). *Oecologia* 181:695–708.
7. van Manen, F. T., M. A. Haroldson, D. D. Bjornlie, M. R. Ebinger, D. J. Thompson, C. M. Costello, and G. C. White. 2016. [Density dependence, whitebark pine decline, and changing vital rates of Yellowstone grizzly bears](#). *Journal of Wildlife Management* 80:300–313.
8. Kamath, P. L., M. A. Haroldson, G. Luikart, D. Paetkau, C. Whitman, and F. T. van Manen. 2015. [Multiple estimates of effective population size for monitoring a long-lived vertebrate: an application to Yellowstone grizzly bears](#). *Molecular Ecology* 24:5507–5521.
9. Bjornlie, D. D., F. T. van Manen, M. R. Ebinger, M. A. Haroldson, D. J. Thompson, C. M. Costello. 2014. [Whitebark pine, population density, and home-range size of grizzly bears in the Greater Yellowstone Ecosystem](#). *PloS ONE* doi 10.1371/journal.pone.0088160.
10. Bjornlie, D. D., D. J. Thompson, M. A. Haroldson, C. C. Schwartz, K. A. Gunther, S. L. Cain, D. B. Tyers, K. L. Frey, and B. C. Aber. 2014. [Methods to estimate distribution and range extent of grizzly bears in the Greater Yellowstone Ecosystem](#). *Wildlife Society Bulletin* 38: 182–187.
11. Costello, C. M., F. T. van Manen, M. A. Haroldson, M. R. Ebinger, S. L. Cain, K. A. Gunther, and D. D. Bjornlie. 2014. [Influence of whitebark pine decline on fall habitat use and movements of grizzly bears in the Greater Yellowstone Ecosystem](#). *Ecology and Evolution* 4:2004–2018.
12. Gunther, K., R. Shoemaker, K. L. Frey, M. A. Haroldson, S. L. Cain, F. T. van Manen, and J. K. Fortin. 2014. [Dietary breadth of grizzly bears in the Greater Yellowstone Ecosystem](#). *Ursus* 25:60–72.
13. Richardson, L., T. Rosen, K. A. Gunther, and C. C. Schwartz. 2014. [The economics of roadside bear viewing](#). *Journal of Environmental Management* 140:102–110.
14. Schwartz, C. C., J. E. Teisberg, J. K. Fortin, M. A. Haroldson, C. Servheen, C. T. Robbins, and F. T. van Manen. 2014. [Use of isotopic sulfur to determine whitebark pine consumption by Yellowstone bears: A reassessment](#). *Wildlife Society Bulletin* 38:664–670.

15. Teisberg, J. E., M. A. Haroldson, C. C. Schwartz, K. A. Gunther, J. K. Fortin, and C.T. Robbins. 2014. [Contrasting past and current numbers of bears visiting Yellowstone cutthroat trout streams](#). *The Journal of Wildlife Management* 78:369–378.
16. van Manen, F. T., M.R. Ebinger, M. A. Haroldson, R. B. Harris, M.D Higgs, S. Cherry, G. C. White, and C. C. Schwartz. 2014. [Re-evaluation of Yellowstone grizzly bear population dynamics not supported by empirical data: response to Doak & Cutler](#). *Conservation Letters* 7:323–331.
17. Ratnayeke, S., F. T. van Manen R. Pieris, and V. S. J. Pragash. 2014. [Challenges of large carnivore conservation: sloth bear attacks in Sri Lanka](#). *Human Ecology* 42:467–479.
18. Haroldson, M. A., and K. A. Gunther. 2013. [Roadside bear viewing opportunities in Yellowstone National Park: characteristics, trends, and influence of whitebark pine](#). *Ursus* 24:27–41.
19. Higgs, M. D., W. A. Link, G. C. White, M. A. Haroldson, and D. D. Bjornlie. 2013. [Insights into the latent multinomial model through mark-resight data on female grizzly bears with cubs-of-the-year](#). *Journal of Agricultural, Biological, and Environmental Statistics* 18:556–577.
20. Laufenberg, J. S., F. T. van Manen, J. D. Clark. 2013. [Effects of sampling conditions on DNA-based estimates of American black bear abundance](#). *The Journal of Wildlife Management* 77:1010–1020.
21. Schwartz, C. C., J. K. Fortin, J. E. Teisberg, M. A. Haroldson, C. Servheen, C. T. Robbins, and F. T. van Manen. 2013. [Body and diet composition of sympatric black and grizzly bears in the Greater Yellowstone Ecosystem](#). *The Journal of Wildlife Management* 78:68–78.
22. Drewry, J. M., F. T. van Manen, and D. M. Ruth. 2013. [Density and genetic structure of black bears in coastal South Carolina](#). *Journal of Wildlife Management* 77:153–164.
23. Ratnayeke, S., and F. T. van Manen. 2012. [Assessing sloth bears as surrogates for carnivore conservation in Sri Lanka](#). *Ursus* 23:206–217.
24. Hopkins, J. B., P. L. Koch, C. C. Schwartz, J. M. Ferguson, S. S. Greenleaf, and S. T. Kalinowski. 2012. [Stable Isotopes to Detect Food-Conditioned Bears and to Evaluate Human-Bear Management](#). *The Journal of Wildlife Management* 76:703–713.
25. Proctor, M. F., et al. 2012. [Population Fragmentation and Inter-Ecosystem Movements of Grizzly Bears in Western Canada and the Northern United States](#). *Wildlife Monographs*. 180:1–46.
26. Schwartz C. C., P. H. Gude, L. Landenburger, M. A. Haroldson, and S. Podruzny. 2012. [Impacts of rural development on Yellowstone wildlife: linking grizzly bear *Ursus arctos* demographics with projected residential growth](#). *Wildlife Biology* 18:246–263.
27. van Manen, F. T., M. F. McCollister, J. M. Nicholson, L. M. Thompson, J. L. Kindall, and M. D. Jones. 2012. [Short-term impacts of a 4-lane highway on American black bears in eastern North Carolina](#). *Wildlife Monographs* 181:1–35.
28. Harris, R. B., C. C. Schwartz, R. D. Mace, and M. A. Haroldson. 2011. [Study design and sampling intensity for demographic analyses of bear populations](#). *Ursus* 22:24–36.
29. Ruth, T. K., M. A. Haroldson, K. M. Murphy, P. C. Buotte, M. G. Hornocker, and H. B. Quigley. 2011. [Cougar survival and source-sink structure on Greater Yellowstone's Northern Range](#). *The Journal of Wildlife Management* 75:1381–1398.
30. Aryal A., S. Sathyakumar, and C. C. Schwartz. 2010. [Current status of brown bears in the Manasalu Conservation Area, Nepal](#). *Ursus* 21:109–114.
31. Haroldson M. A., C. C. Schwartz, K. C. Kendall, K. A. Gunther, D. S. Moody, K. L. Frey, and D. Paetkau. 2010. [Genetic analysis of individual origins supports isolation of grizzly bears in the Greater Yellowstone Ecosystem](#). *Ursus* 21:1–13.
32. Hopkins, J. B., S. Herrero, R. Shideler, K. A. Gunther, C. C. Schwartz, and S. Kalinowski. 2010. [A proposed lexicon of terms and concepts for human–bear management in North America](#). *Ursus* 21:154–168.

33. Schwartz, C. C., S. L. Cain, S. Podruzny, S. Cherry, and L. Frattaroli. 2010. [Contrasting activity Patterns of sympatric and allopatric black and grizzly bears](#). *Journal of Wildlife Management* 74:1628–1638.
34. Schwartz, C. C., M. A. Haroldson, and G. C. White. 2010. [Hazards affecting grizzly bear survival in the Greater Yellowstone Ecosystem](#). *Journal of Wildlife Management* 74(4):654–667.
35. Schwartz, C. C., S. Podruzny, S. L. Cain, and S. Cherry. 2009. [Performance of spread spectrum global positioning system collars on grizzly and black bears](#). *Journal of Wildlife Management* 72:1174–1182.
36. Swenson, J. E., and M. A. Haroldson. 2008. [Observations of mixed-aged litters in brown bears](#). *Ursus* 19:73–79.
37. Schwartz, C. C., and G. C. White. 2008. [Estimating reproductive rates for female bears: proportions versus transition probabilities](#). *Ursus* 19:1–12.
38. Schwartz, C. C., M. A. Haroldson, S. Cherry, and K. A. Keating. 2008. [Evaluation of rules to distinguish unique female grizzly bears with cubs in Yellowstone](#). *Journal of Wildlife Management* 72:543–554.
39. Cherry, S., G. C. White, K. A. Keating, M. A. Haroldson, and C. C. Schwartz. 2007. [Evaluating estimators for numbers of females with cubs-of-the-year in the Yellowstone grizzly bear population](#). *Journal of Agricultural, Biological, and Environmental Statistics* 12:195–215.
40. Harris, R. B., G. C. White, C. C. Schwartz, and M. A. Haroldson. 2007. [Population growth of Yellowstone grizzlies: uncertainty and future monitoring](#). *Ursus* 18:168–178.
41. Robison H. L., C. C. Schwartz, J. D. Petty, and P. F. Brussard. 2006. [Assessment of pesticide residues in army cutworm moths \(*Euxoa auxiliaris*\) from the Greater Yellowstone Ecosystem and their potential consequences to foraging grizzly bears \(*Ursus arctos horribilis*\)](#). *Chemosphere* 64:1704–1712.
42. Schwartz, C. C., M. A. Haroldson, K. A. Gunther, and D. Moody. 2006. [Distribution of grizzly bears in the Greater Yellowstone Ecosystem in 2004](#). *Ursus* 17:63–66.
43. Schwartz, C. C., M. A. Haroldson, G. C. White, R. B. Harris, S. Cherry, K. A. Keating, D. Moody, and C. Servheen. 2006. [Temporal, spatial, and environmental influences on the demographics of grizzly bears in the Greater Yellowstone Ecosystem](#). *Wildlife Monographs* 161.
44. Haroldson, M. A., K. A. Gunther, D. P. Reinhart, S. R. Podruzny, C. Cegelski, L. Waits, T. Wyman, and J. Smith. 2005. [Changing numbers of spawning cutthroat trout in tributary streams of Yellowstone Lake and estimates of grizzly bears visiting streams from DNA](#). *Ursus* 16(2):167–180.
45. Herrero S., T. Smith, D. DeBruyn, K. A. Gunther, and C. A. Matt. 2005. [Brown bear habituation to people - safety, risks, and benefits](#). *Wildlife Society Bulletin* 33:362–373.
46. Mattson D. J., S. R. Podruzny, and M. A. Haroldson. 2005. [Consumption of pondweed rhizomes by Yellowstone grizzly bears](#). *Ursus* 16:41–46.
47. Felicetti, L. A., C. C. Schwartz, R. O. Rye, M. A. Haroldson, K. A. Gunther, L. Waits, and C.T. Robbins. 2004. [Use of naturally-occurring mercury to determine the importance of cutthroat trout to Yellowstone grizzly bears](#). *Canadian Journal of Zoology* 82:493–501.
48. Gunther, K. A., S. L. Cain, J. Copeland, K. L. Frey, M. A. Haroldson, and C. C. Schwartz. 2004. [Grizzly bear-human conflicts in the Greater Yellowstone Ecosystem, 1992-2000](#). *Ursus* 15:10–22.
49. Gunther, K. A., and D.W. Smith. 2004. [Interactions between wolves and female grizzly bears with cubs in Yellowstone National Park](#). *Ursus* 15:232–238.
50. Haroldson, M. A., C. C. Schwartz, S. Cherry, and D.S. Moody. 2004. [Possible effects of elk harvest on fall distribution of grizzly bears in the Greater Yellowstone Ecosystem](#). *Journal of Wildlife Management* 68:129–137.
51. Hilderbrand, G. V., S. D. Farley, C. C. Schwartz, and C. T. Robbins. 2004. [Importance of salmon to wildlife: implications for integrated management](#). *Ursus* 15:1–9.

52. Johnson, C. J., M. S. Boyce, C. C. Schwartz, M. A. Haroldson. 2004. [Modeling survival: application of the Andersen-Gill model to Yellowstone grizzly bears](#). *Journal of Wildlife Management* 68:966–978.
53. Pyare, S., S. L. Cain, D. Moody, C. C. Schwartz, and J. Berger. 2004. [Carnivore re-colonisation: reality, possibility and a non-equilibrium century for grizzly bears in the Southern Yellowstone Ecosystem](#). *Animal Conservation* 7:71–77.
54. Robbins, C. T., C. C. Schwartz, L. A. Felicetti. 2004. [Nutritional ecology of ursids: a review of newer methods and management implications](#). *Ursus* 15:161–171.
55. Felicetti, L. A., C. C. Schwartz, R. O. Rye, M. A. Haroldson, K. A. Gunther, D. L. Phillips, and C. T. Robbins. 2003. [Use of sulfur and nitrogen stable isotopes to determine the importance of whitebark pine nuts to Yellowstone grizzly bears](#). *Canadian Journal of Zoology* 81:763–770.
56. Hundertmark K. J., T.R. Bowyer, G.F. Shields, and C. C. Schwartz. 2003. [Mitochondrial phylogeography of moose \(*Alces alces*\) in North America](#). *Journal of Mammalogy* 84:315–25.
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60. Cherry, S., M. A. Haroldson, J. Robison-Cox, and C. C. Schwartz. 2002. [Estimating total human-caused mortality from reported mortality using data from radio-instrumented grizzly bears](#). *Ursus* 13:175–184.
61. Haroldson, M. A., M. Ternent, K. A. Gunther, and C. C. Schwartz. 2002. [Grizzly bear denning chronology and movements in the Greater Yellowstone Ecosystem](#). *Ursus* 13:29–37.
62. Hundertmark, K. J., G. F. Shields, I. G. Udina, R. T. Bowyer, A. A. Danilkin, and C. C. Schwartz. 2002. [Mitochondrial phylogeography of moose \(*Alces alces*\): late Pleistocene divergence and population expansion](#). *Molecular Phylogenetics and Evolution* 22:375–387.
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64. Mattson, D. J., S. Podruzny, and M. A. Haroldson. 2002. [Consumption of fungal sporocarps by Yellowstone grizzly bears](#). *Ursus* 13:95–103.
65. Podruzny, S. R., S. Cherry, C. C. Schwartz, and L.A. Landenburger. 2002. [Grizzly bear denning and potential conflict areas in the Greater Yellowstone Ecosystem](#). *Ursus* 13:19–28.
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72. Arthur, S.M., and C. C. Schwartz. 1999. [Effects of sample size and sampling frequency on studies of brown bear home ranges and habitat use](#). *Ursus* 11:139–148.
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77. Eberhardt, L.L., and R. R. Knight. 1996. [How many grizzlies in Yellowstone?](#) *Journal of Wildlife Management*. 60:416–421.
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79. Knight, R. R., B. M. Blanchard, and L. L. Eberhardt. 1995. Appraising status of the Yellowstone grizzly bear population by counting females with cubs-of-the-year. *Wildlife Society Bulletin* 23:245–248.
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Book Chapters:

1. Huber, D., and F. T. van Manen. 2019. [Bear morphology](#). Pages 1–11 in J. Vonk and T. Shackelford, editors. *Encyclopedia of Animal Cognition and Behavior*. Springer, Cham, Switzerland.
2. White, P. J., K. A. Gunther, and F. T. van Manen, editors. 2017. [Yellowstone grizzly bears: Ecology and conservation of an icon of wildness](#). *Yellowstone Forever*. 273pp.
3. White, P. J., K. A. Gunther, and F. T. van Manen. 2017. Introduction. Pages xv–xvii in P. J. White, K. A. Gunther, and F. T. van Manen, editors. [Yellowstone grizzly bears: Ecology and conservation of an icon of wildness](#). *Yellowstone Forever*. 273pp.
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