

# Kevin S. White

Department of Natural Sciences, University of Alaska Southeast

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## EDUCATION

- 2025 Ph.D. – Geography, University of Victoria, Victoria, BC  
Dissertation: *Population ecology of mountain goats in relation to climate, weather and snow avalanches*  
Advisor: Chris Darimont
- 1999 M.S. – Environmental and Natural Resource Sciences, University of Nevada, Reno, NV  
Thesis: *Anti-predator behavior of Alaskan moose*  
Advisor: Joel Berger
- 1995 B.S. – Wildlife Biology, Minor – Botany, Humboldt State University, Arcata, CA  
Thesis: *Diet selection and fledgling success of spotted owls*  
Advisor: Jeff Dunk

## PROFESSIONAL EXPERIENCE

2022 – present	Research Professional	University of Alaska Southeast
2001 – 2022	Wildlife Research Biologist	Alaska Department of Fish and Game
1999 – 2001	Wildlife Research Technician	Alaska Department of Fish and Game
1998 – 1999	Wildlife Research Technician	USFS Forestry Sciences Laboratory
1996 – 1999	Graduate Researcher	University of Nevada-Reno
1993 – 1997	Wildlife Research Technician	Humboldt State University

## PUBLICATIONS

### Peer-reviewed Publications (n = 47):

- Assmann, J. J., G. Schaepman-Strub, A. H. Liski, A. Chen, C. Neumann, K. Bischof,... V. Zemlianskii. *In review*. Envisioning desirable futures for Arctic biodiversity to overcome “doom and gloom”. Arctic Science.
- Harris, R., S. Bethune, M. Biel, R. Churchwell, J. Cunningham, R. Found,... T. Wyman. *In review*. Abundance, trends and challenges facing mountain goats across their North American distribution. Wildlife Society Bulletin.
- Pissolito, C., S. Payne-Smith, A. Anadon-Rosell, S. Aragón, M. Arroyo, L. Baldaszi,... D. Urbah. *In prep*. Priority research questions in comparative mountain biodiversity science. Mountain Research and Development.
- 2025 Jessen, T., C. N. Service, **K. S. White**, C. A. Burton, P. Paquet, C. T. Darimont. Intrapopulation variation in habitat use of an alpine ungulate: mountain goats in KITASOO XAI'XAIS Territory. Canadian Journal of Zoology, 103: 1–12.
- 2025 **White, K. S.**, T. Levi, E. Hood, and C. T. Darimont. Snow avalanches and the impact of climate-linked extreme events on mountain wildlife population dynamics and resilience. Global Change Biology, 31: e70415
- 2025 **White, K. S.**, T. Levi, E. Hood, and C. T. Darimont. Life-history trade-offs and environmental variability shape reproductive demography in a mountain ungulate. Journal of Animal Ecology. doi.org/10.1111/1365-2656.70137
- 2025 Spivey, T., J. Jemison, and **K. S. White**. The role of hunter education, experience, and regulation on mountain goat harvest patterns in Alaska. Wildlife Society Bulletin, e1606.

Peer-reviewed Publications (continued):

- 2025 **White, K. S.**, B. Cadsand, S. D. Côté, T. Graves, S. Hamel, R. B. Harris, F. P. Hayes, E. Hood, K. Hurlay, T. Jessen, B. Jex, E. Peitzsch, W. Sarmiento, H. Schwantje, and J. Berger. Mountain sentinels in a changing world: review and conservation implications of weather and climate effects on mountain goats (*Oreamnos americanus*). *Global Ecology and Conservation*, e03364
- 2025 Atmeh, K., C. Bonenfant, J-M. Gaillard, M. Garel, A. J. M. Hewison, P. Marchand, ..., and A. Loison. Neonatal antipredator tactics shape female movement patterns in large herbivores. *Nature Ecology and Evolution*, 9: 142-152.
- 2024 A. Michaud, **K. S. White**, S. Hamel, J. H. Richard, S. D. Côté. Of goats and heat, the differential impact of summer temperature on habitat selection and activity patterns in mountain goats of different ecotypes. *Oecologia*, 206: 359-379.
- 2024 **White, K. S.**, T. Levi, E. Hood, G. J. Wolken, E. H. Peitzsch, Y. Bühler, K. Wikstrom Jones, and C. T. Darimont. An analytical approach for simulating effects of avalanches on mountain goat population dynamics: implications for management and conservation. *Proceedings of the International Snow Science Workshop*, 578-586.
- 2024 Young, K., **K. S. White**, and A. B. A. Shafer, and. Unravelling the complex biogeographic and anthropogenic history of mountain goats (*Oreamnos americanus*) in Alaska. *Journal of Mammalogy*, gya065
- 2024 **White, K. S.**, E. Hood, G. J. Wolken, E. H. Peitzsch, Y. Bühler, K. Wikstrom Jones, and C. T. Darimont. Snow avalanches are a primary climate-linked driver of mountain ungulate populations. *Communications Biology*, 7: 423.
- 2023 Harris, R., P. Happe, W. Moore, C. Rice, J. Sevigny, D. Vales, **K. S. White**, and E. Wirtz. Survival of adult mountain goats in Washington: effects of season, translocation, snow and precipitation. *Journal of Wildlife Management*, 88: e22495.
- 2023 Whiting, J. C., V. C. Bleich, R. T. Bowyer, K. Manlove and **K. S. White**. Mountain ungulates – bighorn sheep and mountain goats. *Ecology and Conservation of Wildlife in North American Rangelands* (eds. L. B. McNew, D. K. Dahlgren and J. L. Beck), pages 759 – 790. Springer International Publishing. doi.org/10.1007/978-3-031-34037-6
- 2022 Young, K. B., T. M. Lewis, **K. S. White** and A. B. A. Shafer. Quantifying the effects of recent glacial history and future climate change on a unique population of mountain goats. *Biological Conservation*, 272: 109631.
- 2022 Martchenko, D., **K. S. White** and A. B. A. Shafer. Long-term data reveal effects of climate, road access, and latitude on mountain goat horn size. *Journal of Wildlife Management*, 86: e22195.
- 2021 **White, K. S.**, D. Watts, K. B. Beckmen. Helicopter-based chemical immobilization of mountain goats in coastal Alaska. *Wildlife Society Bulletin*, 4: 670-681.
- 2021 Shakeri, Y. N., **K. S. White**, and J. N. Waite. Staying close to home: ecological constraints on space use and range fidelity in a mountain ungulate. *Ecology and Evolution*, 11: 11051-11064.
- 2021 **White, K. S.**, T. Levi, J. Breen, M. Britt, J. Merondun, D. Martchenko, Y. Shakeri, B. Porter and A. B. A. Shafer. Integrating genetic data and demographic modeling to facilitate conservation of small, isolated mountain goat populations. *Journal of Wildlife Management*, 85: 271-282.
- 2021 Schmidt, J. H., J. H. Reynolds, **K. S. White**, D. T. Schertz, J. M. Morton, and H. S. Kim. Integrating distance sampling and minimum count data: a reply to Becker and Herreman. *Journal of Wildlife Management*, 85: 411-417.
- 2021 Bugir, C. K., C. A. Peres, **K. S. White**, R. A. Montgomery, P. Rippon, J. Clulow, and M. W. Hayward. Prey preferences of modern hunter-gatherers. *Food Webs*, 26: e00183.
- 2020 Levi, T., G. V. Hilderbrand, M. D. Hocking, T. P. Quinn, **K. S. White**, M. S. Adams, J. B. Armstrong, A. P. Crupi, C. T. Darimont, W. Deacy, S. L. Gilbert, W. J. Ripple, Y. N. Shakeri, R. E. Wheat and C. C. Wilmers. Community ecology and conservation of bear-salmon ecosystems. *Frontiers in Ecology and Evolution*, 8: 513304.
- 2020 Crupi, A. P., D. P. Gregovich, and **K. S. White**. Steep and deep: terrain and climate factors explain brown bear (*Ursus arctos*) alpine den site selection to mitigate heli-skiing impacts. *PLoS ONE*, 15(9): e0238711

Peer-reviewed Publications (continued):

- 2019 Haworth, S., **K. S. White**, S. Côté, and A. Shafer. Space, time, and captivity: quantifying the factors influencing the fecal microbiome of an alpine ungulate. *FEMS Microbiology Ecology*, 95: fiz095.
- 2019 Schmidt, J., J. Reynolds, K. Rattenbury, L. Phillips, **K. White**, D. Schertz, J. Morton, and S. Kim. Integrating distance sampling with minimum counts to improve monitoring. *Journal of Wildlife Management*, 83: 1454-1465.
- 2018 Lowrey, B., C. Butler, W. Edwards, M. Wood, S. Dewey, G. Fralick, J. Jennings-Gaines, H. Killion, D. McWhirter, H. Miyasaki, S. Stewart, **K. S. White**, P. White, and R. Garrott. A survey of bacterial respiratory pathogens in native and introduced mountain goats. *Journal of Wildlife Diseases*, 54: 852-858.
- 2018 Shakeri, Y. N., **K. S. White**, and T. Levi. Salmon-supported bears, seed dispersal, and extensive resource subsidies to granivores. *Ecosphere*, 9: e02297.
- 2018 **White, K. S.**, D. P. Gregovich and T. Levi. Projecting the future of an alpine ungulate under climate change scenarios. *Global Change Biology*, 24: 1136-1149.
- 2017 **White, K. S.** and D. P. Gregovich. Mountain goat resource selection in relation to mining related disturbance. *Wildlife Biology*, 2017: wlb.00277
- 2016 Colson, K. E., **K. S. White** and K. J. Hundertmark. Parturition site selection in moose: evidence for social structure. *Journal of Mammalogy*, 97: 788-797.
- 2015 Fieberg, J. R., K. Jenkins, S. McCorquodale, C. G. Rice, G. C. White and **K. S. White**. Do capture and survey methods influence whether marked animals are representative of unmarked animals? *Wildlife Society Bulletin*, 39:713-720.
- 2015 Lafferty, D. J. R., Z. G. Lowman, **K. S. White**, A. T. Morzillo and J. L. Belant. Moose hunters subsidize a diverse scavenger guild in Alaska. *Polar Biology*, 1-9.
- 2015 R. Calero-Bernal, E. Van Wilpe, **K. S. White**, S. K. Verma, C. K. Cerqueira-Cezar, and J. P. Dubey. *Sarcocystis oreamni* n. sp. from the mountain goat (*Oreamnos americanus*). *Parasitology Research*, 114: 4135-4141.
- 2014 Richard, J. H., **K. S. White** and S. D. Côté. Mating effort and space use of an alpine ungulate during the rut. *Behavioral Ecology and Sociobiology*, 68: 1639-1648.
- 2014 Lafferty, D. J. R., J. L. Belant, **K. S. White**, J. N. Womble and A. T. Morzillo. Linking wolf diet to changes in marine and terrestrial prey abundance. *Arctic*, 67: 143-148.
- 2014 **White, K. S.**, N. L. Barten, S. Crouse and J. A. Crouse. Benefits of migration in relation to nutritional condition and predation-risk in a partially migratory moose population. *Ecology*, 95: 225-237.
- 2012 **White, K. S.**, D. P. Gregovich, G. W. Pendleton, N. L. Barten, A. Crupi, R. Scott and D. N. Larsen. Modeling resource selection of mountain goats in southeastern Alaska: applications for population management and highway development planning. *Proceedings of the Northern Wild Sheep and Goat Council*, 18: 32-42.
- 2012 Shafer, A. B. A., J. M. Northup, **K. S. White**, M. S. Boyce, S. D. Côté and D. W. Coltman. Habitat selection predicts genetic relatedness in an alpine ungulate. *Ecology*, 93: 1317-1329.
- 2011 **White, K. S.**, G. W. Pendleton, D. Crowley, H. Griese, K. Hundertmark, T. McDonough, L. Nichols, C. Smith, and J. Schoen. Mountain goat survival in coastal Alaska: effects of age, sex, and climate. *Journal of Wildlife Management*, 78: 1731-1744.
- 2011 Shafer, A. B. A., **K. S. White**, S. D. Côté, D. W. Coltman. Deciphering translocations from relicts in Baranof Island mountain goats: Is an endemic genetic lineage at risk? *Conservation Genetics*, 12: 1261-1268.
- 2009 **White, K. S.**, G. Pendleton and E. Hood. Effects of snow on Sitka black-tailed deer browse availability and nutritional carrying capacity in southeastern Alaska. *Journal of Wildlife Management*, 73: 481-487.
- 2006 **White, K. S.** Seasonal and sex-specific variation in terrain use and movement patterns of mountain goats in southeastern Alaska. *Proceedings of the Northern Wild Sheep and Goat Council*, 15: 183-193

Peer-reviewed Publications (continued):

- 2006 **White, K. S.**, N. L. Barten and J. A. Crouse. Ecology of moose on the Gustavus forelands population irruption, nutritional limitation and conservation implications. Proceedings of the 4<sup>th</sup> Glacier Bay Science Symposium, 4: 25-28.
- 2006 Hood, E., A. Miller and **K. S. White**. Effects of moose foraging on soil nutrient dynamics in the Gustavus forelands, Alaska. Proceedings of the 4<sup>th</sup> Glacier Bay Science Symposium, 4: 20-24.
- 2006 Obermeyer, K.E., **K. S. White** and M. F Willson. Influence of salmon on the nesting ecology of American dippers in southeastern Alaska. Northwest Science, 80:26-33.
- 2002 **White, K. S.**, H. N. Golden, K. J. Hundertmark, and G. R. Lee. Predation by wolves, *Canis lupus*, on wolverines, *Gulo gulo*, and an American marten, *Martes americana*, in Alaska. Canadian Field-Naturalist, 116:132-134.
- 2001 **White, K. S.** and J. Berger. Anti-predator strategies of Alaskan moose: are maternal trade-offs influenced by offspring activity? Canadian Journal of Zoology, 79: 2055-2062.
- 2001 **White, K. S.**, J. W. Testa, and J. Berger. Behavioral and ecologic effects of differential predation pressure on moose in Alaska. Journal of Mammalogy, 82:422-429.
- 1996 **White, K. S.** Comparison of fledgling success and sizes of prey consumed by spotted owls in northwestern California. Journal of Raptor Research, 30:234-236.

Technical Publications and Reports:

- 2024 Nordeen, T. D., K. Beckmen, J. Broadhurst, A. B. Courtemanch, M. Cox, E. Kring, C. P. Lehman, C. Procter, and **K. S. White**. Capturing wild sheep using chemical immobilization. Pages 7.1–7.15 in V. C. Bleich and D. W. Lutz, editors. Wild sheep capture and handling guidelines. Second edition. Western Association of Fish and Wildlife Agencies, Boise, ID
- 2018 **White, K. S.** and D. P. Gregovich. Mountain goat resource selection in the Haines-Skagway area: implications for helicopter skiing management. Research Final Report. Alaska Department of Fish and Game, Juneau, AK
- 2016 **White, K. S.**, G. W. Pendleton, and J. N. Waite. Development of aerial survey population estimation techniques for mountain goats in Alaska. Research Final Report. Alaska Department of Fish and Game, Juneau, AK
- 2016 **White, K. S.** and D. P. Gregovich. 2016. Mountain goat resource selection in relation to mining related disturbance, near the Kensington Mine, Southeast Alaska. Research Final Report. Alaska Department of Fish and Game, Juneau, AK
- 2016 Lewis, T. and **K. S. White**. 2016. Distribution and abundance of moose in Glacier Bay National Park and Preserve. Natural Resource Report. NPS/GLBA/NRR-2016/1122. National Park Service, Fort Collins, CO.
- 2015 Lewis, T. and **K. S. White**. 2015. Distribution and abundance of mountain goats in Glacier Bay National Park and Preserve. Natural Resource Report. NPS/GLBA/NRR-2015/1094. National Park Service, Fort Collins, CO.
- 2012 **White, K.S.**, D. P. Gregovich, G. W. Pendleton, N. L. Barten, R. Scott, A. Crupi and D. N. Larsen. 2012. Mountain goat population ecology and habitat use along the Juneau Access road corridor, Alaska. Research Final Report. Alaska Department of Fish and Game, Juneau, AK.
- 2012 **White, K.S.**, D. P. Gregovich, N. L. Barten and R. Scott. 2012. Moose population ecology and habitat use along the Juneau Access road corridor, Alaska. Research Final Report. Alaska Department of Fish and Game, Juneau, AK
- 2011 **White, K. S.**, G. P. Pendleton and A. Crupi. 2011. Resource selection of mountain goats during winter in the Kellsall River area: applications for management of helicopter skiing. Report. Alaska Department of Fish and Game, Juneau, AK.
- 2003 **White, K.S.**, P. Hessing, and N. Barten. 2003. Distributional relationships between mountain goats and proposed commercial helicopter-skiing activity on Takhin Ridge, AK: Preliminary Analysis. Research Progress Report. Alaska Department of Fish and Game, Juneau, AK.
- 2002 Kirchoff, M.D. and **K. S. White**. 2002. Development of a passive-capture technique for radio-tagging large animals. Research Final Report. Alaska Department of Fish and Game, Juneau, AK.

## **PUBLICATIONS**

**(CONT.)**

### **Popular Science Articles:**

- 2025 **White, K. S.** Mountain living shapes reproductive demography. *Animal Ecology in Focus*. British Ecological Society. London, UK.
- 2024 **White, K. S.** Mountain wildlife and the costs of living dangerously. *Behind the Paper Series*. Springer Nature. London, UK.
- 2005 **White, K. S.** Wandering wildlife: researchers investigate where moose travel during summer. *Juneau Empire*. Juneau, AK.
- 2003 **White, K. S.** Southeast wild: moose outnumber winter residents by 2 to 1 in Gustavus. *Juneau Empire*. Juneau, AK.
- 2000 **White, K. S.** and E. Gundershaug. White's Bar: wildlife viewing area. *Travelling the Trinity Highway* (eds. B. Bennion and J. Rohde). Mountainhome Books, Arcata, CA.

### **CONFERENCE ABSTRACTS**

- 2025 **White, K. S.,** E. Hood, G. J. Wolken, E. H. Peitzsch, Y. Bühler, K. Wikstrom Jones, T. Levi., and C. T. Darimont. Costs of living dangerously: population ecology of mountain goats in relation to snow avalanches. *Wildlife Society Conference*. Edmonton, Alberta.
- 2024 **White, K. S.,** T. Levi., E. Hood, G. J. Wolken, E. H. Peitzsch, Y. Bühler, K. Wikstrom Jones, and C. T. Darimont. Mountain wildlife and the costs of living dangerously: snow avalanches exert major demographic impacts on alpine ungulates. *9<sup>th</sup> World Mountain Ungulate Conference*, Dushanbe, Tajikistan.
- 2024 **White, K. S.,** E. Hood, G. J. Wolken, E. H. Peitzsch, Y. Bühler, K. Wikstrom Jones, and C. T. Darimont. Mountain wildlife and the costs of living dangerously: snow avalanches exert major demographic impacts on mountain ungulates. *International Snow Science Workshop*, Tromsø, Norway.
- 2024 **White, K. S.,** E. Hood, G. J. Wolken, E. H. Peitzsch, Y. Bühler, K. Wikstrom Jones, and C. T. Darimont. Snow avalanche impacts on mountain ungulate population ecology and biodiversity. *World Biodiversity Forum*. Davos, Switzerland.
- 2024 **White, K. S.,** T. Levi, E. Hood and C. Darimont. Life-history trade-offs and climatic variability influence mountain ungulate reproduction. *Annual Meeting of the Wildlife Society – British Columbia Chapter*. Kamloops, BC.
- 2023 **White, K. S.,** E. Hood, E. Peitzsch, G. Wolken and C. Darimont. Costs of living dangerously: major impacts of snow avalanches on climate sensitive mountain ungulate populations. *Annual Meeting of the Wildlife Society – British Columbia Chapter*. Victoria, BC.
- 2022 **White, K. S.,** E. Hood, E. Peitzsch and G. Wolken. Costs of living dangerously: long-term study reveals snow avalanches are a major driver of mountain ungulate population ecology. *8<sup>th</sup> World Conference on Mountain Ungulates*. Cogne, Italy.
- 2020 **White, K. S.,** T. Levi and A. B. A. Shafer. Mountain goat population dynamics in Alaska. *22<sup>st</sup> Biennial Symposium of the Northern Wild Sheep and Goat Council*.
- 2019 **White, K. S.** Comparative ecology of moose in southeastern Alaska. *49<sup>th</sup> North American Moose Conference*. Sugarloaf, ME.
- 2018 **White, K. S.,** D. P. Gregovich and T. Levi. Projecting the future of an alpine ungulate under climate change scenarios. *21<sup>st</sup> Biennial Symposium of the Northern Wild Sheep and Goat Council*. Whitefish, MT.
- 2018 **White, K. S.,** D. P. Gregovich and T. Levi. Projecting the future of an alpine ungulate under climate change scenarios. *Annual Meeting of the Wildlife Society-Alaska Chapter*. Fairbanks, AK.
- 2017 **White, K. S.** and D. P. Gregovich. Mountain goat resource selection in relation to mining related disturbance. *Annual Meeting of the Wildlife Society-Alaska Chapter*. Fairbanks, AK.
- 2015 **White, K. S.,** N. L. Barten, S. Crouse and J. Crouse. Benefits of migration in relation to nutritional condition and predation-risk in a partially migratory moose population. *21<sup>st</sup> Biennial Conference of the Society of Marine Mammalogy*. San Francisco, CA.

- 2015 **White, K. S.**, D. Gregovich and J. Crouse. Linking resource selection to over-winter condition in a coastal Alaska moose population. Annual Meeting of the Wildlife Society. Winnipeg, Manitoba.
- 2015 **White, K. S.** Comparative ecology of mountain goats in coastal Alaska. Annual Meeting of the Wildlife Society-Alaska Chapter. Juneau, AK.
- 2014 **White, K. S.** Comparative ecology of mountain goats in coastal Alaska. 19<sup>th</sup> Biennial Symposium of the Northern Wild Sheep and Goat Council. Fort Collins, CO
- 2014 **White, K. S.**, D. Gregovich and J. Crouse. Linking resource selection to over-winter body condition in a coastal Alaska moose population. 49<sup>th</sup> North American Moose Conference. Girdwood, AK.
- 2014 **White, K. S.**, D. Gregovich and J. Crouse. Linking resource selection to over-winter body condition in a coastal Alaska moose population. Annual Meeting of the Wildlife Society-Alaska Chapter. Anchorage, AK.
- 2013 **White, K. S.**, N. L. Barten, S. Crouse and J. Crouse. Density dependent effects on body condition and reproduction in a coastal Alaska moose population. Annual Meeting of the Wildlife Society-Alaska Chapter. Fairbanks, AK
- 2012 **White, K. S.** and D. P Gregovich. Habitat selection, activity and movement patterns of mountain goats in southeastern Alaska. 18<sup>th</sup> Biennial Symposium of the Northern Wild Sheep and Goat Council. Kamloops, BC.
- 2012 J. Jemison, K. Romanoff and **K. S. White**. Nannies in the crosshairs: effectiveness of using a sex identification quiz to reduce harvest of female mountain goats in Alaska. 18<sup>th</sup> Biennial Symposium of the Northern Wild Sheep and Goat Council. Kamloops, BC.
- 2011 **White, K. S.**, G. W. Pendleton, D. Crowley, H. Griese, K. Hundertmark, T. McDonough, L. Nichols, C. Smith, and J. Schoen. Mountain goat survival in coastal Alaska: effects of age, sex, and climate. Annual Meeting of the Wildlife Society. Waikola, HI.
- 2011 **White, K. S.** Demographic effects of climate on mountain goats in coastal Alaska. Annual Meeting of the Wildlife Society-Alaska Chapter. Juneau, AK
- 2010 **White, K. S.**, N. L. Barten, S. Crouse and J. Crouse. Density dependent effects on body condition and reproduction in a coastal Alaska moose population. Annual Meeting of the Wildlife Society. Snowbird, UT.
- 2010 **White, K. S.**, N. L. Barten, S. Crouse and J. Crouse. Why do moose migrate? Testing predation-risk and nutrition-based hypotheses in a partially migratory moose population in coastal Alaska. 46<sup>th</sup> North American Moose Conference. International Falls, MN.
- 2010 **White, K. S.** Nutrition and reproduction of mountain goats in coastal Alaska. 17<sup>th</sup> Biennial Symposium of the Northern Wild Sheep and Goat Council. Hood River, OR.
- 2010 **White, K. S.**, G. P. Pendleton, D. Crowley, H. Griese, K. Hundertmark, T. McDonough, L. Nichols, C. Smith and J. Schoen. Life-history and climate effects on mountain goat survival in coastal Alaska. Annual Meeting of the Wildlife Society-Alaska Chapter. Anchorage, AK.
- 2009 **White, K. S.**, G. P. Pendleton, D. Crowley, H. Griese, K. Hundertmark, T. McDonough, L. Nichols, B. Porter, C. Smith and J. Schoen. Influence of sex, age and winter severity on mountain goat survival in coastal Alaska. 89<sup>th</sup> Annual Meeting of the American Society of Mammalogists. University of Alaska Fairbanks, Fairbanks, AK
- 2008 **White, K. S.** Mountain goat research in southeast Alaska. Guide Outfitters Association of British Columbia Mountain Goat Symposium. Thompson Rivers University, Kamloops, BC.
- 2008 **White, K. S.**, N. L. Barten, S. Crouse and J. Crouse. Why do moose migrate? Testing predation-risk and nutrition-based hypotheses in a partially migratory moose population in coastal Alaska. Annual Meeting of the Wildlife Society-Alaska Chapter. Fairbanks, AK.
- 2008 **White, K.S.** Survival of mountain goats in coastal Alaska: synthesis and applications. 16<sup>th</sup> Biennial Symposium of the Northern Wild Sheep and Goat Council. Midway, UT
- 2007 **White, K. S.** Seasonal and sex-specific variation in terrain use and movement patterns of mountain goats in southeastern Alaska. Annual Meeting of the Wildlife Society-Alaska Chapter. Juneau, AK.

## CONFERENCE ABSTRACTS

(CONT.)

- 2007 **White, K. S.** and N. L. Barten. Challenges of managing an irruptive, high density moose population in southeast Alaska. Annual Meeting of the Wildlife Society-Alaska Chapter. Juneau, AK
- 2006 **White, K.S.** Sex-specific variation in movement patterns and terrain use by mountain goats in southeast Alaska. 15<sup>th</sup> Biennial Symposium of the Northern Wild Sheep and Goat Council. Kananaskis, Alberta.
- 2005 **White, K.S.**, N. L. Barten, R. Lowell, P. Helsing, S. Jenkins and J. A. Crouse. Winter diet composition of moose in southeastern Alaska. 41<sup>st</sup> North American Moose Conference. Whitefish, MT
- 2005 **White, K.S.**, J. A. Crouse, N. L. Barten and S. Jenkins. Ecology of an irruptive, high density moose population in coastal Alaska. 41<sup>st</sup> North American Moose Conference. Whitefish, MT
- 2004 **White, K.S.**, N. L. Barten and J. A. Crouse. Ecology of moose on the Gustavus forelands: population irruption, nutritional limitation and conservation implications. 4<sup>th</sup> Glacier Bay Science Symposium, Juneau, AK
- 2004 **White, K.S.**, N. L. Barten and J. A. Crouse. Ecology of moose on the Gustavus forelands: population irruption, nutritional limitation and conservation implications. Annual Meeting of the Wildlife Society-Alaska Chapter. Anchorage, AK
- 2003 **White, K.S.**, S. Pyare, G. W. Pendleton, and M.D. Kirchoff. Building a resource selection model for mountain goats in southeastern Alaska. Annual Meeting of the Wildlife Society-Alaska Chapter. Juneau, AK
- 2001 **White, K. S.** and H. N. Golden. Wolverine spatial use patterns and habitat selection in the Talkeetna Mountains, Alaska. 81st Annual Meeting of the American Society of Mammalogists. University of Montana, Missoula, MT.
- 1999 **White, K.S.** and J. Berger. Offspring activity: a determinant of maternal anti-predator behavior in Alaskan moose? 79<sup>th</sup> Annual Meeting of the American Society of Mammalogists. University of Washington, Seattle, WA

## INVITED AND PUBLIC LECTURES

### University Seminars-

- 2025 Living on the edge: the ecology of mountain goats and avalanches. Evening at Egan Lecture Series. University of Alaska Southeast, Juneau, AK.
- 2023 Mountain goat and avalanche relationships. Alaska Climate Adaptation Science Center, University of Alaska Fairbanks, AK.
- 2020 Projecting the future of an alpine ungulate under climate change scenarios. Biology Program Seminar. University of Alaska Southeast, Juneau, AK.
- 2019 Mountain goat ecology in southeastern Alaska. Environmental Science Program Seminar. University of Alaska Southeast, Juneau, AK..
- 2017 Mountain goat resource selection in relation to mining related disturbance. Environmental Science Program Seminar. University of Alaska Southeast, Juneau, AK.
- 2016 Mountain goat resource selection in relation to mining related disturbance. Biology Program Seminar. University of Alaska Southeast, Juneau, AK.
- 2015 Why do moose migrate? Testing nutrition and predation-risk hypotheses in a partially migratory moose population. University of Karlstad, Karlstad, Sweden.
- 2015 Why do moose migrate? Testing nutrition and predation-risk hypotheses in a partially migratory moose population. University of Eastern Finland, Joensuu, Finland.
- 2015 Comparative ecology of mountain goats in coastal Alaska. Environmental Science Program Seminar. University of Alaska Southeast, Juneau, AK.
- 2014 Linking resource selection to over-winter body condition in a coastal Alaska moose population. Biology Program Seminar. University of Alaska Southeast, Juneau, AK.
- 2014 Demographic effects of climate on mountain goats in coastal Alaska. Environmental Science Program Seminar. University of Alaska Southeast, Juneau, AK.
- 2012 Habitat selection, activity and movement patterns of mountain goats in southeastern Alaska. Biology Program Seminar. University of Alaska Southeast, Juneau, AK.

## **INVITED AND PUBLIC LECTURES**

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- 2011 Demographic effects of climate on mountain goats in coastal Alaska. Environmental Science Program Seminar. University of Alaska Southeast, Juneau, AK.
- 2010 Life-history and climate effects on mountain goat survival in coastal Alaska. Biology and Environmental Science Program Joint Seminar. University of Alaska Southeast, Juneau, AK.
- 2007 Effects of winter severity on ungulate populations in high-latitude maritime climates. Environmental Science Program Seminar. University of Alaska Southeast, Juneau, AK.
- 2007 Seasonal variation in terrain use and movement patterns of mountain goats: does sex matter? Environmental Science Program Seminar. University of Alaska Southeast, Juneau, AK.
- 2005 Ecology of moose on the Gustavus forelands: population irruption, nutritional limitation and conservation implications. Forest Ecology Seminar Series. University of Alaska Southeast, Juneau, AK.
- 2003 Behavioral ecology of Alaskan moose. Behavioral Ecology Seminar Series. University of Alaska Southeast, Juneau, AK.

### **Stakeholder and Agency Seminars -**

- 2025 Snow avalanche and mountain goat relationships. Huna Stewardship Council, Hoonah, AK.
- 2025 Snow avalanche and mountain goat relationships. Chilkat Indian Village, Klukwan, AK.
- 2024 Snow avalanche impacts on mountain ungulate population ecology and biodiversity. KORA – Carnivore Ecology and Wildlife Management Foundation. Bern, Switzerland.
- 2014 Linking resource selection to over-winter body condition in a coastal Alaska moose population. Colorado Parks and Wildlife, Fort Collins, CO.
- 2014 Demographic effects of climate on mountain goats in coastal Alaska. Alaska Coastal Rainforest Center Seminar Series. Juneau, AK.
- 2014 Mountain goat monitoring at the Kensington Mine, AK. Alaska Department of Natural Resources. Juneau, AK.

### **General Public -**

- 2025 Mountain sentinels in a changing world: snow and climate ecology of mountain goats in coastal Alaska. Alaska Bald Eagle Festival. Haines, AK.
- 2025 Costs of living dangerously: mountain goats and avalanches. Public Lecture. Haines, AK
- 2025 Mountain wildlife and the costs of living dangerously. Yukon Science Institute Lecture Series, Haines Junction, YT.
- 2025 Mountain wildlife and the costs of living dangerously. Yukon Science Institute Lecture Series, Whitehorse, YT.
- 2019 Mountain goat ecology in southeastern Alaska. Juneau Audubon Lecture Series, Juneau, AK.
- 2018 Moose ecology in southeast Alaska. Fireside Chat Lecture Series, US Forest Service, Juneau AK.
- 2017 Mountain goat habitat selection: applications for wildlife and land management. Haines, AK.
- 2017 Mountain goat research in the Haines-Skagway area. Takshanuk Watershed Council, Haines, AK.
- 2016 Mountain goat research and conservation on Baranof Island. University of Alaska Southeast. Sitka, AK.
- 2016 Mountain goat research in the Haines-Skagway area. Takshanuk Watershed Council, Haines, AK.
- 2015 Mountain goat ecology in southeast Alaska. Bald Eagle Festival, Haines, AK.
- 2015 Moose ecology in southeast Alaska. Gustavus, AK.
- 2015 Moose ecology in southeast Alaska. Wildlife Wednesdays Lecture Series, Juneau, AK
- 2014 Mountain goat research in the Haines-Skagway area. Haines, AK.
- 2014 Mountain goat ecology in southeast Alaska. Wildlife Wednesdays Lecture Series, Juneau, AK.
- 2012 Mountain goat research and management on Baranof Island. University of Alaska Southeast. Sitka, AK.
- 2012 Mountain goat ecology in southeast Alaska. Kodiak National Wildlife Refuge, Kodiak, AK.
- 2012 Ecology of moose and wolves in Glacier Bay. Wild Night. Gustavus, AK.
- 2011 Mountain goat ecology in southeast Alaska. Gustavus, AK.
- 2010 Mountain goat ecology in southeast Alaska. Bald Eagle Festival, Haines, AK.
- 2008 Mountain goat ecology in southeast Alaska. Nolan Center, Wrangell, AK.

## **INVITED AND PUBLIC LECTURES**

**(CONT)**

- 2007 Mountain goat ecology in southeast Alaska. University of Alaska Southeast, Sitka, AK.
- 2007 Mountain goat ecology in southeast Alaska. Fireside Chat Lecture Series, US Forest Service, Juneau AK.
- 2006 Ecology of mountain goats in southeast Alaska. Alaska Bald Eagle Festival, Haines, AK.
- 2005 Going to Gondwanaland. Juneau Audubon Society. Juneau, AK.

### **Workshops and Training –**

- 2018 Mountain goat research in Alaska. Mountain goat research and management workshop. Montana Fish, Wildlife and Parks. Depuyer, MT.
- 2015 Benefits of migration in relation to nutritional condition and predation-risk in a partially migratory moose population. Baleen whale migration, revisited. Migration workshop. 21<sup>st</sup> Biennial Conference of the Society of Marine Mammalogy. San Francisco, CA.
- 2015 Moose ecology in southeast Alaska. Glacier Bay National Park Naturalist Training, Gustavus, AK.
- 2015 Mountain goat ecology in southeast Alaska. USFS Naturalist Training, Juneau, AK.
- 2014 Mountain goat ecology in southeast Alaska. USFS Guide Outfitter Training, Juneau, AK.
- 2012 Mountain goat ecology in Glacier Bay. Naturalist Lecture Series, Glacier Bay National Park, Bartlett Cove, AK.
- 2012 Mountain goat research overview, southeast Alaska. Mountain Goat Workshop. Alaska Department of Fish and Game, Juneau, AK.
- 2012 Mountain goat reproduction and survival. Mountain Goat Workshop. Alaska Department of Fish and Game, Juneau, AK.
- 2012 Mountain goat movement patterns. Mountain Goat Workshop. Alaska Department of Fish and Game, Juneau, AK.
- 2012 Mountain goat survey techniques and sightability modeling. Mountain Goat Workshop. Alaska Department of Fish and Game, Juneau, AK.
- 2010 Mountain goat ecology in southeast Alaska. NOAA Naturalist Training. Auke Bay, AK.
- 2009 Mountain goat ecology in Glacier Bay. Naturalist Lecture Series, Glacier Bay National Park, Bartlett Cove, AK.
- 2009 Ecology of moose on the Gustavus forelands, Alaska. Naturalist Lecture Series, Glacier Bay National Park, Bartlett Cove, AK.

### **Primary and Secondary School-**

- 2018 Mountain goat and moose ecology. Floyd Dryden Middle School, Juneau, AK.
- 2017 Mountain goat ecology in southeast Alaska. Juneau-Douglas High School, Juneau, AK.
- 2016 Mountain goat ecology. Juneau Youth Services – Montana Creek Campus, Juneau, AK.
- 2013 Mountain goat ecology in southeast Alaska. Juneau-Douglas High School, Juneau, AK.
- 2012 Gustavus moose, willows, and soil chemistry: ecosystem engineering in your own backyard. Gustavus School (3<sup>rd</sup>-5<sup>th</sup> Grade), Gustavus, AK.
- 2012 Gustavus moose project. Gustavus School (Kindergarten/1<sup>st</sup> Grade), Gustavus, AK.
- 2011 Ecology of moose on the Gustavus forelands. Alaska Summer Research Academy Seminar.
- 2010 Mountain goats in southeast Alaska. Biology Program. Juneau-Douglas High School, Juneau, AK.
- 2009 Mountain goat ecology in the Chilkat Valley. Klukwan School, Klukwan, AK.

## **PROFESSIONAL SERVICE**

- 2025 **Symposium Chair.** Mountain sentinels in a changing world: population ecology and conservation of mountain goats in North America. Wildlife Society Conference, Edmonton, Alberta.
- 2024 **Session Co-chair.** 9<sup>th</sup> World Mountain Ungulate Conference, Dushanbe, Tajikistan.
- 2022-present **Science Advisory Committee.** Chilkat Valley Community Lynx Project, Haines, AK.
- 2020-2024 **Executive Committee.** Northern Wild Sheep and Goat Council.

## **PROFESSIONAL SERVICE**

**(CONT.)**

- 2019-2021 **Mountain Ungulate Capture Working Group.** WAFWA – Wild Sheep Working Group
- 2019-2021 **Tongass Climate Change Assessment Working Group.** Tongass National Forest.
- 2019-2020 **Working Group Co-chair.** Northern Wild Sheep and Goat Council.
- 2015-present **Science and Conservation Committee Co-chair.** Rocky Mountain Goat Alliance.
- 2015 **Session Co-chair – Nexus of Science and Policy.** Wildlife Society-Alaska Chapter, Annual Meeting, Juneau, AK
- 2015 **Session Chair - Alpine Ecology.** Wildlife Society-Alaska Chapter, Annual Meeting, Juneau, AK
- 2014-2018 **Regional Representative.** Wildlife Society-Alaska Chapter
- 2014 **Program Committee.** North American Moose Conference, Girdwood, AK
- 2012 **Workshop Co-chair – Mountain Goat Workshop.** Alaska Department of Fish and Game, Division of Wildlife Conservation, Juneau, AK
- 2011 **Session Chair – Alpine Ecology.** Wildlife Society-Alaska Chapter, Annual Meeting, Juneau, AK
- 2010-2022 **Animal Care and Use Committee.** Alaska Department of Fish and Game, Juneau, AK
- 2010 **Session Chair – Alpine and Arctic Ungulate Ecology.** Wildlife Society-Alaska Chapter, Annual Meeting, Anchorage, AK
- 2007 **Conference Co-chair.** Wildlife Society-Alaska Chapter, Annual Meeting, Juneau, AK
- 2007 **Session Chair – Moose-Habitat Ecology.** Working Group Meeting, Juneau, AK

## **TEACHING EXPERIENCE/SERVICE**

### ***Student Mentorship:***

- 2025- Graduate Committee Member, Northern Michigan Univ., Marquette, MI
- 2019-2022 Co-Director, Univ of Laval, Quebec City, Quebec
- 2017-2019 Co-Supervisor, Universität für Bodenkultur, Vienna, Austria
- 2015-2017 Graduate Committee Member, Oregon State Univ., Corvallis, OR
- 2013-2015 Graduate Committee Member, Univ. of Alaska Fairbanks, Fairbanks, AK
- 2011-2013 Graduate Committee Member, Univ. of Alaska Fairbanks, Fairbanks, AK
- 2006 Undergraduate Research Mentor, NSF-Research Experience for Undergraduates Program, University of Alaska Southeast, Juneau, AK
- 2005, 2013-15 High School Science Project Mentor, Juneau-Douglas High School, Juneau, AK.
- 2003-2004 Undergraduate Research Mentor, Department of Natural Sciences, University of Alaska Southeast, Juneau, AK.

## **TEACHING EXPERIENCE/SERVICE**

**(CONT.)**

### ***Teaching:***

- 2019 Guest Instructor. Wildlife and Forest Ecology. Field Studies Course. Yukon College/University of Alberta. Haines, AK.
- 2002 Guest Instructor. Field Biology and Natural History. Wildlands Studies. New Zealand.
- 1997-1998 Teaching Assistant, Department of Biology, University of Nevada-Reno, Reno, NV

## **AWARDS**

- 2022 **Letter of Commendation.** Upper Lynn Canal Fish and Wildlife Advisory Committee.
- 2018 **Director's Achievement Award - Wildlife Management.** Alaska Department of Fish and Game.
- 2017 **Wildlife Conservation Award.** Wildlife Society – Alaska Chapter.
- 2013 **Director's Achievement Award - Wildlife Research.** Alaska Department of Fish and Game

## FUNDING

2024 – 2029	Bureau of Land Management – Alaska Cooperative Ecosystem Studies Unit. Mountain Goat Monitoring and Analysis (\$150,000)
2024 – 2025	Sitka – Ecosystem Grants Program. Mountain Goat-Snow Avalanche Research (\$10,000)
2022 – 2026	Alaska Climate Adaptation Science Center. Cooperator w/Eran Hood (Principal Investigator). How do snow avalanches impact landscape characteristics and mountain goat populations in southeast Alaska? (\$484,000)
2022	Northern Wild Sheep and Goat Council/Rocky Mountain Goat Alliance. Principal Investigator. Weather and climate effects on mountain goats. (\$4000)
2019 – 2021	US Fish and Wildlife Service – Wildlife Restoration Program/Rocky Mountain Goat Alliance. Co-Principal Investigator w/Tom Stephenson. Development of a field technique for quantifying mountain goat body condition. (\$15,000)
2018	Rocky Mountain Goat Alliance. Co-Principal Investigator w/Tom Stephenson. Development of a field technique for quantifying mountain goat body condition. (\$6,000)
2017 – 2020	US Fish and Wildlife Service – Wildlife Restoration Program/Trent University. Co-Principal Investigator w/Aaron Shafer. Mountain goat population genetics in Alaska. (\$165,000)
2017 – 2020	Wild Sheep Foundation. Principal Investigator. Mountain goat population dynamics on Baranof Island. (\$20,000)
2016 – 2022	US Fish and Wildlife Service – Wildlife Restoration Program/Alaska Department of Fish and Game, Division of Wildlife Conservation. Principal Investigator. Mountain goat population dynamics on Baranof Island. (\$240,000)
2012 – 2013	National Park Service - Pacific Northwest Cooperative Ecosystem Studies Unit. Principal Investigator. Collection of Baseline Population Data on Large Mammals in Glacier Bay National Park and Preserve. (\$45,000)
2010 – 2022	US Fish and Wildlife Service – Wildlife Restoration Program/Alaska Department of Fish and Game, Division of Wildlife Conservation. Principal Investigator. Mountain goat population dynamics in Southeast Alaska. (\$480,000)
2010 – 2021	US Fish and Wildlife Service – Wildlife Restoration Program/Alaska Department of Fish and Game, Division of Wildlife Conservation. Principal Investigator. Moose population dynamics in Southeast Alaska. (\$550,000)
2010 – 2013	Bureau of Land Management – Grant and Cooperative Agreement. Principal Investigator. Mountain goat research and monitoring (\$68,000)
2010 – 2011	US Forest Service. Principal Investigator. Mountain goat sightability model development. (\$40,000)
2010	City and Borough of Sitka. Principal Investigator. Mountain goat research and monitoring in the vicinity of Blue and Takatz Lakes (\$40,000)
2005 – 2012	Alaska Department of Transportation and Public Facilities. Principal Investigator. Mountain goat monitoring and assessment along the Juneau Access Road Corridor (\$750,000)
2005 – 2012	Alaska Department of Transportation and Public Facilities. Principal Investigator. Moose monitoring and assessment along the Juneau Access Road Corridor (\$450,000)
2005 – 2022	Coeur Alaska. Principal Investigator. Mountain goat monitoring and assessment near the Kensington Mine (\$680,000)
2004 – 2011	US Fish and Wildlife Service – Wildlife Restoration Program/Alaska Department of Fish and Game, Division of Wildlife Conservation. Principal Investigator. Evaluation of moose-habitat relationships in Southeast Alaska. (\$280,000)

## **JOURNAL/PROPOSAL REVIEWS**

Behaviour, Biological Conservation, Biology Letters, Canadian Field-Naturalist, Canadian Journal of Zoology, Climate Change Ecology, Conservation Biology, Conservation Science and Practice, Ecological Applications, Ecological Modelling, Ecosphere, European Journal of Wildlife Research, Frontiers in Environmental Science, Frontiers in Ecology and Evolution, Human-Animal Interactions, Journal of Animal Ecology, Journal of Fish and Wildlife Management, Journal of Mammalogy, Journal of Wildlife Management, Landscape Ecology, Mammalian Biology, Movement Ecology, Northwest Science, PLOS ONE, Proceedings of the Northern Wild Sheep and Goat Council, Proceedings of the Glacier Bay Science Symposium, Scientific Reports, Wildlife Biology, Wildlife Society Bulletin, National Science Foundation - Long-term Research in Environmental Biology

## **RADIO/TELEVISION INTERVIEWS**

Science Friday. New York, NY. Feb 2026.  
KHNS Radio. Alaska Public Media. Haines, AK. Oct 2025.  
CBC Radio-Canada. Midday Café. Whitehorse, YT. Jan 2025.  
Alaska's News Source (Channel 2/CBS 5). Juneau, AK. May 2024.  
Alaska News Nightly. Alaska Public Media, Anchorage, AK. May 2024.  
Juneau Afternoon. KTOO, Juneau, AK. February 2019.  
Sitka Nature Show. KCAW, Sitka, AK. October 2016.  
Juneau Afternoon. KTOO, Juneau, AK. February 2015.

## **PRINT MEDIA COVERAGE**

New York Times, Seattle Times, Wildlife Professional, Field and Stream, MSN, Phys.org, Medium, Avalanche Journal, CBC Yukon, Climactualité, Alaska Native News, Alaska Public Media, Alaska Science Forum, Juneau Empire, Chilkat Valley News, Sitka Sentinel, Anchorage Daily News, Fairbanks Daily News-Miner, Explorers Web, Revelstoke Review

## **WORKSHOPS ATTENDED**

2025 Continuous time movement modeling. C. Fleming. Wildlife Society. Edmonton, AB.  
2024 RAMMS extended. P. Bartelt. International Snow Science Workshop. Tromsø, Norway.  
2019 Integrated population modeling. D. Eacker. ADFG. Juneau, AK  
2019 Wildlife capture and immobilization. ADFG, Fairbanks, AK  
2015 Known fate survival modeling. J. Benson/P. Mahoney. Wildlife Society, Winnipeg, MN  
2012 Matrix population modeling. J-D Lebreton. Univ of Alaska Fairbanks, Fairbanks, AK.  
2011 Geospatial Modeling Environment. H. Beyer. Wildlife Society. Waikola, HI  
2009 Program MARK. G. White. USFWS. Anchorage, AK.

## **PHOTOGRAPHY**

2025 Cover photograph. Journal of Animal Ecology, 94 (12).  
2022 Photograph. Alaska Weather Calendar.  
2021 Cover photograph. Wildlife Society Bulletin.  
2021 Photograph. Alaska Weather Calendar.  
2020 Cover photograph. G3: Genes, Genomes and Genetics, 10 (2).  
2017 Photograph. Arthropod Borne Diseases. (Ed. C. B. Marcondes). Springer.  
2015 Photograph. BioScience.  
2014 Photograph. Ecology.  
2012 Cover photograph. Ecology, 93 (6).  
2012 Photo gallery. Bulletin of the Ecological Society of America, 93: 170-172.  
2011 Cover photograph. Journal of Wildlife Management, 78 (8).  
2010 Scientific photographs. Biogeography (4<sup>th</sup> Edition, Eds. M. V. Lomolino, B. R. Riddle, R. J. Whittaker and J. H. Brown). Sinauer.  
2009 Cover photograph. Journal of Biogeography, 36 (3).

## **MEMBERSHIPS IN PROFESSIONAL SOCIETIES**

Ecological Society of America, Wildlife Society

## **FOREIGN EXPERIENCE**

**Volunteer wildlife research experience:** Greenland, Chile and Argentina

**General travel experience:** Nepal, Iceland, Greenland, Peru, Chile, Argentina, Mexico, South Africa, Tajikistan, Thailand, Laos, Myanmar, New Zealand, Tasmania, western Europe.

## **PERSONAL INTERESTS**

Telemark skiing, backpacking, packrafting, carpentry, photography, subsistence harvesting.

## **REFERENCES**

Eran Hood  
Department of Natural Sciences  
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Juneau, AK  
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Department of Fish, Wildlife and Cons. Biology  
Colorado State University  
Fort Collins, CO  
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