

# CHRISTOPHER SERVHEEN

## CV

<b>EDUCATION:</b>	DATE	DEGREE	FIELD
University of Montana	1968-73	B.A./B.S.	Zoology/Wildlife Biology
University of Washington	1973-75	M.S.	Wildlife Biology
University of Montana	1978-81	Ph.D.	Forestry/Wildlife Biology

## **EXPERIENCE:**

2020 to present	Co-chair of the IUCN/SSC BSG North American Bears Expert Team
2019 to present	Vice President then President and Board Chair, Montana Wildlife Federation
2016 to present	Consultant on grizzly bear conservation and management issues
1992 to 2018	Adjunct Research Associate Professor, Department of Ecosystem and Conservation Sciences, WA Franke College of Forestry and Conservation, University of Montana, Missoula, MT
1981 to 2016	Grizzly Bear Recovery Coordinator with the U.S. Fish and Wildlife Service based in Missoula, Montana. Responsible for coordination of all research and management activities involving grizzly bears in the lower 48 United States.
1994	Fulbright Scholar in Greece working on the development of a conservation plan for the Greek brown bears in cooperation with Greek management and academic authorities
1989 to 2001	Co-chair, IUCN/SSC Bear Specialist Group

## **PROFESSIONAL AFFILIATIONS:**

The Wildlife Society

International Association for Bear Research and Management

AAAS

Commission Member - IUCN SSC Bear Specialist Group 2017-2021

Commission Member - IUCN WCPA Connectivity Conservation Network 2017-2021

Commission Member - IUCN WCPA Management Effectiveness Network 2017-2021

Commission Member - IUCN WCPA North America Region 2017-2021

Commission Member - IUCN WCPA Science and Management: Network 2017-2021

Commission Member - IUCN WCPA Transboundary Conservation: Network 2017-2021

## **HONORS:**

Awarded the Ernest Thompson Seaton Award in 2008 by the Association of Fish and Wildlife Agencies for grizzly bear conservation leadership

Awarded the Significant Accomplishment Award in 2008 by the Interagency Grizzly Bear Committee

Awarded the Arnold Bolle Conservation Professional Award in 2008 by the American Public Land Exchange Group

Awarded the George B. Rabb Award in 2008 from the Chicago Zoological Society for outstanding contributions to the field of wildlife conservation

Awarded Department of Interior Meritorious Service Award in 2007 for efforts on grizzly bear recovery

Awarded the Presidents Award from the International Association for Bear Research and Management in 2001 for significant contributions to global bear conservation

Awarded Conservation Award of Excellence from Defenders of Wildlife 1997

Fulbright Scholar in Greece in 1994

Nominated in 1992 and 1995 for Pew Scholarship in conservation and the environment

Awarded the first Chuck Yeager Award for achievement in global bear conservation from the National Fish and Wildlife Foundation in 1989

## **PUBLICATIONS AND REPORTS:**

Servheen, C. 1975. Ecology of the Wintering Bald Eagles on the Skagit River, Washington. Unpubl. M.S. thesis, Univ. of Washington. 96 pp.

Servheen, C. 1976. Bald Eagles soaring into opaque clouds. *Auk* 93:387-388.

Servheen, C. and S. Beebe. 1976. A management plan for the Skagit River Bald Eagle Sanctuary. The Nature Conservancy. 67 pp.

Servheen, C. 1976. Deck feather molt in Bald and Golden Eagles in relation to feather mounting of radio transmitters. *Raptor Research* 10:58-61.

Servheen, C. and W. English. 1977. Bald Eagle rehabilitation techniques in western Washington. *Raptor Research* 10:84-88.

English, W. and C. Servheen. 1977. A rehabilitation program for Bald and Golden Eagles. *The Journal of the North American Falconers Association* 16:25-27.

Servheen, C. 1978. Mountain beaver as a prey species of the Golden Eagle. *Murrelet* 59-77.

Jonkel, C. and C. Servheen. 1978. Bears and people, a wilderness management challenge. *Western Wildlands* 5:25-28.

Servheen, C. 1978. The grizzly bear in the Rattlesnake Mountains. In *Border Grizzly Project Annual Rpt. No. 3*, School of Forestry, Univ. of Montana, Missoula. pp. 3-15.

Servheen, C. and T. Wojciechowski. 1978. Grizzly bear foods list. In *Border Grizzly Project Annual Rpt. No. 3*, School of Forestry, University of Montana, Missoula. pp. 83-107.

Servheen, C. and L.C. Lee. 1979. An assessment of the grizzly bear population size and status, and a description of important grizzly use sites in the Finley Creek Logging Unit, Flathead Indian Reservation, Montana. Rpt. to BIA Contract No. C50-6-1420-4988. Sch. of Forestry, Univ. of Montana, Missoula. 64 pp.

Servheen, C. and L.C. Lee. 1979. Mission Mountains grizzly studies, an interim report. 1976-1978. Sch. of Forestry, Univ. of Montana, Missoula. 299 pp.

Servheen, C. and W. English. 1979. Movements of rehabilitated eagles and proposed movement patterns of Bald Eagles in the Pacific Northwest. *Raptor Research* 13:79-88.

Servheen, C. 1981. Grizzly bear ecology and management in the Mission Mountains, Montana. Unpubl. Ph.D. Diss. Univ. of Montana, Missoula. 139 pp.

Servheen, C. 1981. The grizzly bear recovery plan - a summary. *Western Wildlands*. 8:12-15.

Servheen, C., T.T. Thier, C.J. Jonkel, and D. Beaty. 1981. An ear-mounted transmitter for bears. *Wildl. Soc. Bull.* 9:56-57.

Servheen, C. and R. Klaver. 1983. Grizzly bear dens and denning activity in the Mission and Rattlesnake Mountains, Montana. *Int. Conf. Bear Res. and Manage.* 5:201-207.

Servheen, C. 1983. Grizzly bear movements, food habits, and habitat use in the Mission Mountains, Montana. *J. Wildl. Manage.* 47:1026-1035.

Servheen, C. 1984. The status of the grizzly bear and the interagency recovery effort. Proc. Western Assoc. Fish and Game Commissioners, Victoria, B.C. 8 pp.

Servheen, C. 1985. Notes on wintering Merlins, (Falco columbarius) in western Montana. Raptor Research 19:97-100.

Servheen, C. 1985. The status of the grizzly bear - progress toward recovery. pp. 400-415 in The National Audubon Society Wildlife Report.

Servheen, C. 1985. The involvement of captive populations in the recovery of the threatened grizzly bear (Ursus arctos horribilis) in the lower 48. pp. 499-5-6 in Proc. American Assoc. Zoological Parks and Aquariums. Columbus, OH.

Servheen, C. 1985. Biological requirements of a wilderness species in Proc. Nat. Wilderness Conf. Colo. State. Univ. July 23-26, 1985. 3 pp.

Servheen, C. 1986. Habitat research needs for grizzly bear recovery. In Proc. Grizzly Bear Habitat Conf. USFS, Missoula, MT. pp 14-19.

Servheen, C., Kasworm, W., Christensen, A. 1986. Approaches to augmenting grizzly bear populations in the Cabinet Mountains, Montana. Int. Conf. Bear Res. and Manage. 7:363-367.

Allendorf, F.W. and C. Servheen. 1986. Genetics and the conservation of grizzly bears. Trends in Ecol. and Evol. 1:88-89.

Servheen, C. 1989. Grizzly bear management on private lands: some problems and possible solutions. pp. 195-200 in Bear-people Conflicts - Proc. of a Symposium on Management Strategies. Northwest Territories Dept. of Renew. Res., Yellowknife, Northwest Territories. Canada.

Servheen, C. 1989. Monitoring of bear populations. Environmental Encounters Series, Council of Europe, 6:39-45.

Servheen, C. 1990. Suggestions sur le gestion et le recherche necessaires pour assurer le maintien de l'existence de l'ours brun en France. Bull. Mens. Office National de la Chasse, 142:38-43.

Servheen, C. 1990. Status and conservation of the bears of the world. Int. Conf. Bear Res. and Mange. Monograph No. 2. 34 pp.

Maguire, L. and C. Servheen. 1991. Integrating biological and sociological concerns in endangered species management: augmentation of grizzly bear populations. Conservation Biology 6: 426-434.

Mills, J. and C. Servheen. 1991. The Asian Trade in Bears and Bear Parts. World Wildlife Fund. Washington, D.C. 113 pp.

Servheen, C. 1993. Grizzly Bear Recovery Plan. U.S. Fish and Wildlife Service, USDI Washington, D.C. 181 pp.

Servheen, C. and P. Sandstrom. 1993. Ecosystem management and linkage zones for grizzly bears and other large carnivores in the northern Rocky Mountains of Idaho and Montana. *Endangered Species Tech. Bull.* 18:10-14.

Servheen, C. 1993. The sun bear. pp.124-127 *in* Bears - Majestic Creatures of the Wild. I. Stirling, ed. Rodale Press. Emmaus, Pennsylvania.

Servheen, C. 1993. The future of bears in the wild. pp. 212-221 *in* Bears - Majestic Creatures of the Wild. I. Stirling, ed. Rodale press. Emmaus, Pennsylvania.

Servheen, C. and R. Knight. 1993. Possible effects of a restored gray wolf population on grizzly bears in the greater Yellowstone area. pp. 28-38 *in* R.S. Cook, ed., Ecological Issues on Reintroducing Wolves into Yellowstone National Park. Sci. Monogr. NPS/NRYELL/NRSM/-93-22. USDI National Park Service.

Servheen, C. W. Kasworm and T. Thier. 1994. Transplanting grizzly bears as a management tool: Results from the Cabinet Mountains, Montana. *Biological Conservation* 71:261-268.

Servheen, C. 1994. Ecosystem management in the Yellowstone Ecosystem: The grizzly bear as a lead species. *In* U.S. Senate Committee on Environment and Public Works. Ecosystem Management: Status and Potential. Proceedings and summary of a symposium by the Congressional Research Service. March 24-25, 1994. 103rd Congress, 2nd Session. Washington, D.C. G.P.O.

Mills, J. and C. Servheen. 1995 The Asian trade in bear parts: impacts, dilemmas, and conservation perplexities. *in* Bears - Their Biology and Management. Proceedings of the 9th Intl. Conf. on Bear Res. and Management. February 1992, Missoula MT.

Servheen, C. 1994. Population and habitat research needs for bear conservation. *in* Proceedings on the conservation needs for the Asiatic black bear. *in* Proceedings of the Third East Asiatic Bear Conference, Aug. 4-8, 1994, Beijing, China.

Servheen, C. 1995. Bear farms and the impact on bear populations. Proceedings of the International Symposium on Trade of Bear Parts for Medicinal Purposes. Sept. 9-11, 1994, Seattle, Wash. TRAFFIC-USA/WWF-USA.

Servheen, C. 1995. The impacts of the bear trade on global bear populations.

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Sandstrom, P. and C. Servheen. 1995. Identification of landscape connectivity for grizzly bears in the Swan-Clearwater Valley, Montana. Poster for the 10th International Conference on Bear Research and Management, Fairbanks, AK. July 1995.

Servheen, C. 1996. Organization of international conservation programs. *in* Proceedings of the conference on the status and conservation of the alpine lynx. December 8-10, 1995, Engelberg, Switzerland. Council of Europe Press.

Poux, X, I. Dubien, and C. Servheen. 1996. Etat des Lieux de la Population Ursine et de son Habitat dans le Haut Bearn - Strategies de Conservation et de Renforcement Eventuel. Report to the Institution Patrimoniale du Haut Berne. 189 pp. + 52 pp. of appendices.

Hilderbrand, G.V., S.D. Farley, C.T. Robbins, T.A. Hanley, K. Titus, and C. Servheen. 1996. Use of stable isotopes to determine the diets of living and extinct bears. *Canadian Journal of Zoology* 74:2080-2088.

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Servheen, C., J. Waller, and W. Kasworm. 1998. Fragmentation effects of high-speed highways on grizzly bear populations shared between the United States and Canada. Pp. 97-103. *in* Proceedings of the International Conference on Wildlife Ecology and Transportation - 1998. Tallahassee FL.

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Kasworm, W., T. Their, and C. Servheen. 1998. Grizzly bear recovery efforts in the Cabinet/Yaak ecosystem. *Ursus* 10: 147-153.

Servheen, C., S. Herrero, and B. Peyton (eds.) 1999. Status Survey of the bears of the World and Global Conservation Action Plan. IUCN, Gland, Switzerland. 309 pp.

Jacoby, M., G. Hilderbrand, C. Servheen, C. Schwartz, S. Arthur, T. Hanley, C. Robbins, and R. Michener. 1999. Trophic relations of brown and black bears in several western North American ecosystems. *Journal of Wildlife Management*. 63:921-929.

Hilderbrand, G., C. Schwartz, C. Robbins, M. Jacoby, T. Hanley, S. Arthur, and C. Servheen. 1999. The importance of meat, particularly salmon, to body size, population productivity, and conservation of North American brown bears. *Canadian Journal of*

Zoology.77:132-138.

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Wong, Siew Te, and C. Servheen. 2000. The Ecology Of Malayan Sun Bear (*Helarctos malayanus*) In Lowland Tropical Forest Of Borneo. In Proceedings of Sabah Inter-agency Research Tropical Ecosystem Seminar Series.

Boyce, M. S., B. F. Blanchard, R. R. Knight, and C. Servheen. 2001. Population viability for grizzly bears: A critical review. International Conference on Bear Research and Management. Monograph No. 4. 39 pp.

Servheen, C. 2001. Status of the bears of the world with emphasis on Asia. Pp. 4-10 *in* Williamson, D. and M. Phipps, (eds.) Proc. Of the Third International Symposium on the trade in bear parts. 26-28 October 1999, Seoul, Republic of Korea. TRAFFIC East Asia, Hong Kong.

Servheen, C. 2001. Summary of the symposium and closing remarks. Pp. 179-184. *in* Williamson, D. and M. Phipps, (eds.) Proc. Of the Third International Symposium on the trade in bear parts. 26-28 October 1999, Seoul, Republic of Korea. TRAFFIC East Asia, Hong Kong.

Servheen, C., J. Waller, and P. Sandstrom. 2001. Identification and Management of Linkage Zones for Grizzly Bears Between the Large Blocks of Public Land in the Northern Rocky Mountains. Pp. 161-198 *in* Proceedings of the 2001 International Conference on Ecology and Transportation, September 2001.

Roy, J., C. Servheen, W. Kasworm, and J. Waller. 2001. Restoration of grizzly bears to the Bitterroot wilderness: the EIS approach. Pp. 205-224 in D.S. Maehr, R.F. Noss and J.L. Larkin, eds. Large mammal restoration: Ecological and sociological challenges in the 21st century, Island Press, Washington, D.C.

Servheen, C., J. Waller, and P. Sandstrom. 2001. Identification and management of linkage zones for grizzly bears between the large blocks of public land in the Northern Rocky Mountains. U.S. Fish and Wildlife Service, University of Montana, Missoula. 87 pp.

Clark, J., D. Huber, and C. Servheen. 2002. Bear reintroductions: lessons and challenges. *Ursus* 13:335-345.

- Wong, S. T. and C. Servheen. 2002. Food habits of the Malayan sun bear in the lowland tropical forests of Borneo. *Ursus* 13:127-136.
- Boyce, M., E. Kirsch, and C. Servheen. 2002. Bet-hedging applications for conservation. *J. Bioscience* 4:385-392.
- Von der Ohe, C. and C. Servheen. 2002. Assessing stress in mammals using fecal glucocorticoids: approaches and challenges. *Wildlife Society Bulletin* 30:1215-1225.
- Gold, A., W. Gaines, and C. Servheen. 2003. Black bear resource selection in the Northeast Cascades, Washington. *Biological Conservation*. 113. 55-62.
- Servheen, C., R. Shoemaker, and L. Lawrence. 2003. Wildlife Use in Relation to Structure Variables for a Sampling of Bridges and Culverts Under I-90 between Alberton and St. Regis, Montana. Pp. 331-341. *In Proceedings International Conference on Wildlife Ecology and Transportation, 2003*. Lake Placid, NY.
- Von der Ohe, C., S. Wasser, K. Hunt, and C. Servheen. 2004. Factors associated with fecal glucocorticoids in Alaskan brown bears (*Ursus arctos horribilis*). *Physiological and Biochemical Zoology*. 77:313-320.
- Siew Te Wong, C Servheen, and L. Ambu. 2004. Home range, movement and activity patterns, and bedding sites of Malayan sun bears *Helarctos malayanus* in the rainforest of Borneo. *Biological Conservation* 119:269-181.
- Proctor, M. F., C. Servheen, S. D. Miller, W. F. Kasworm, and W. L. Wakkinen. 2004. A Comparative analysis of management options for grizzly bear conservation in the US-Canada trans-border area. *Ursus* 15: 145-160.
- Gunther, K. A., K. Tonnessen, P. Dratch & C. Servheen. 2004. Management of habituated grizzly bears in North America: Report from a workshop. *Transactions of the 69<sup>th</sup> North American Wildlife and Natural Resources Conference*. Pp. 106-117.
- Siew Te Wong, C Servheen, and L. Ambu. 2005. The effects of famine on Malayan sun bears and bearded pigs in lowland tropical forest of Sabah, Malaysian Borneo. *Journal of Tropical Ecology*. 21:627-639.
- Waller J. S. and C. Servheen. 2005. Effects of transportation infrastructure on grizzly bears in Northwestern Montana. *Journal of Wildlife Management* 69:985-1000.
- Waller, J. S., C. Servheen, and D. A. Patterson. 2005. A probabilistic measure of road lethality. Pp. 503-508 *in Proceedings of the International Conference on Ecology and Transportation, 2005*. San Diego, CA.

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.

Graves, T.A., S. Farley, and C.Servheen. 2006. [Frequency and distribution of highway crossings by Kenai Peninsula brown bears](#). *Wildlife Society Bulletin*. 34: 800-808.

Graves, T.A., S. Farley, M. Goldstein, and C.Servheen. 2007. [Identification of functional corridors with movement characteristics of brown bears on the Kenai Peninsula, Alaska](#). *Landscape Ecology*. 22: 765-772.

Kasworm, W, M. Proctor, C. Servheen and D. Paetkau. 2007. Success of grizzly bear population augmentation on Northwest Montana. *Journal of Wildlife Management*. 71:1261-1266.

Cross, M. and C. Servheen. 2009. Climate change impacts on wolverines and grizzly bears in the northern US Rockies. Workshop on October 6-7, 2009. Summary Report. 17 pp.

Stetz, J.B., K. C. Kendall, and C. Servheen. 2010. Evaluation of Bear Rub Surveys to Monitor Grizzly Bear Population Trends. *Journal of Wildlife Management* 74:860-870.

Servheen, C. and M. Cross. 2010. Climate change impacts on grizzly bears and wolverines in the Northern U.S. and Transboundary Rockies: Strategies for conservation. Workshop on September 13-15, 2010. Summary Report. 23 pp.

Schwartz, C.C., M.A. Haroldson, G.C. White, R.B. Harris, S. Cherry, K.A. Keating, D. Moody, and C. Servheen. 2010. Temporal, spatial, and environmental influences on the demographics of grizzly bears in the Greater Yellowstone Ecosystem. *Wildlife Monographs*. 161:1-68.

Proctor, M. F., D. Paetkau, B. N. McLellan, G. B. Stenhouse, K. C. Kendall, R. D. Mace, W. F. Kasworm, C. Servheen, C. L. Lausen,, M. L. Gibeau, W. L. Wakkinen, M. A. Haroldson, G. Mowat, C. D. Apps, L. M. Ciarniello, R. M. R. Barclay, M. S. Boyce, C. C. Schwartz, and C. Strobeck. 2012. Population fragmentation and inter-ecosystem movements of grizzly bears in western Canada and the northern United States. *Wildlife Monographs*, 180:1–46.

Mace, R. D., Carney, D. W., Chilton-Radandt, T., Courville, S. A., Haroldson, M. A., Harris, R. B., Jonkel, J., Mclellan, B., Madel, M., Manley, T. L., Schwartz, C. C., Servheen, C., Stenhouse, G., Waller, J. S. and Wenum, E. 2012. Grizzly bear population vital rates and trend in the Northern Continental Divide Ecosystem, Montana. *The Journal of Wildlife Management*, 76: 119–128.

Holden, Z. A., Kasworm, W. F., Servheen, C., Hahn, B. and Dobrowski, S. 2012. Sensitivity of berry productivity to climatic variation in the Cabinet–Yaak grizzly bear recovery zone, Northwest United States, 1989–2010. *Wildlife Society Bulletin*, 36: 226–231.

Costello, C., S. Cain, R. Nielson, C. Servheen, and C. Schwartz. 2013. Response of American black bears to the non-motorized expansion of a road corridor in Grand Teton National Park. *Ursus*. 24:54-69.

McLellan, M. and C. Servheen. 2013. Flathead, B.C. Wolverine study summary report: 2009-2012. Transboundary Cooperation Team Report. USFWS, University of Montana, Missoula. 12 pp.

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Schwartz, C., J. Fortin, M. Haroldson, C. Servheen, C.T. Robbins, and F. Van Manen. 2013. Body and diet composition of a sympatric black and grizzly bears in the greater Yellowstone ecosystem. *Journal of Wildlife Management*. 78:68-78.

Schwartz, C. C., Teisberg, J. E., Fortin, J. K., Haroldson, M. A., Servheen, C., Robbins, C. T. and van Manen, F. T. 2014. [Use of isotopic sulfur to determine whitebark pine consumption by Yellowstone bears: A reassessment](#). *Wildlife Society Bulletin*. 38:664-670.

Proctor, M.F., S.E. Nielsen, W.F. Kasworm, C. Servheen, T.G. Radandt, A.G. MacHutchon, and M.S. Boyce. 2015. Grizzly bear connectivity mapping in the Canada-US trans-border region. *Journal of Wildlife Management*. 79:544-558.

Gunther, K., F. van Manen, M. Haroldson, C. Servheen, eds. 2015. Grizzly Bear Recovery in the Greater Yellowstone Ecosystem. *Yellowstone Science* 23: 96 pp.

Apps, C. D., B. N. McLellan, M. F. Proctor, G. B. Stenhouse, and C. Servheen. 2016. Predicting spatial variation in grizzly bear abundance to inform conservation. *Journal of Wildlife Management*. 80:396-413.

Servheen, C. 2016. Endangered and Threatened Wildlife and Plants; Removing the Greater Yellowstone Ecosystem Population of Grizzly Bears From the Federal List of Endangered and Threatened Wildlife; Proposed Rule. *Federal Register*. Vol. 81, No. 48. Pp. 13173-13227.

Proctor, M. F., W. F. Kasworm, K. M. Annis, A. G. MacHutchon, J. E. Teisberg, T. G. Radandt, and C. Servheen. 2018. Conservation of threatened Canada-USA trans-

border grizzly bears linked to comprehensive conflict reduction. *Human-Wildlife Interactions*. 12:348-372.

Proctor, M. F., W. F. Kasworm, J. E. Teisberg, C. Servheen, T. G. Radandt, C. T. Lamb, K. C. Kendall, R. D. Mace, D. Paetkau, and M. S. Boyce. 2020. American black bear population fragmentation detected with pedigrees in the transborder Canada-United States region. *Ursus*. pp.1-15. <https://doi.org/10.2192/URSUS-D-18-00003R2>

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**SPECIAL REPORTS ON HUMAN FATALITIES DUE TO BEAR ATTACKS** (Chaired each Board of Review):

Servheen, C., J. Burns, J. Campbell, J. Darrah, J. Jonkel, R. Mace, J. Waller, B. Weisner, and K. Aune. 2001. Investigation Team Report: Bear attack on Tim Hilston at the Blackfoot-Clearwater Game Range on October 30, 2001. Report to the Interagency Grizzly Bear Committee. 29 pp.

Stenhouse, G., D. Carney, K. Frey T. Eicher, C. Servheen, A. Pils, T. Root, W. Andrie, K. Gunther, M. Brusino, and B. Nesvick. 2010. Board of Review Report: Fatality of Erwin Evert from a bear attack in Kitty Creek on the Shoshone National Forest on June 17, 2010. Report to the Interagency Grizzly Bear Committee. 105 pp.

Stenhouse, G., D. Carney, K. Frey T. Eicher, C. Servheen, A. Pils, T. Root, W. Andrie, K. Gunther, M. Brusino, and B. Nesvick. 2010. Board of Review Recommendations: Recommendations based on the investigation of the death of Erwin Evert from a bear attack on June 17, 2010. Report to the Interagency Grizzly Bear Committee. 4 pp.

Frey, K., S. Shepherd, K. Gunther, S. Herrero, C. Servheen, D. Tyers, and M. Brusino. 2010. Board of Review Report: Attacks by a grizzly bear in Soda Butte Campground on the Gallatin National Forest on July 28, 2010. Report to the Interagency Grizzly Bear Committee. 70 pp.

Frey, K., D. Tyers, M. Haroldson, C. Servheen, M. Bruscano, K. Gunther. 2011. Board of Review Report: Fatality of Mr. Brian Matayoshi from a bear attack on the Wapiti Lake Trail in Yellowstone National Park on July 6, 2011. Report to the Interagency Grizzly Bear Committee. 31 pp.

Frey, K., D. Tyers, M. Haroldson, C. Servheen, M. Bruscano, K. Gunther, N. Herring. 2012. Board of Review Report: Fatality of Mr. John L. Wallace from a bear attack on the Mary Mountain Trail in Yellowstone National Park on August 25, 2011. Report to the Interagency Grizzly Bear Committee. 21 pp.

Cain, S., Wilmont, K., K. Frey, D. Tyers, M. Haroldson, F. van Manen, C. Servheen, B. DeBolt, D. Thompson, D. Bjornlie, and K. Gunther. 2014. Board of Review Report: Fatality of Mr. Adam Thomas Stewart from a bear attack in Cub Creek on the Bridger-Teton National Forest on September 4, 2014. Report to the Interagency Grizzly Bear Committee. 11 pp.

Cain, S., Wilmont, K., K. Frey, D. Tyers, M. Haroldson, F. van Manen, C. Servheen, B. DeBolt, D. Thompson, D. Bjornlie, and K. Gunther. 2014. Board of Review Recommendations based on the investigation of the fatality of Mr. Adam Thomas Stewart from a bear attack in Cub Creek on the Bridger-Teton National Forest on September 4, 2014. Report to the Interagency Grizzly Bear Committee. 10 pp.

Wilmont, K., K. Frey, D. Tyers, M. Haroldson, F. van Manen, C. Servheen, D. Thompson, D. Bjornlie, and K. Gunther. 2016. Board of Review Report: Fatality of Mr. Lance Crosby from a bear attack on Elephant Back Mountain in Yellowstone National Park on August 6, 2015. Report to the Interagency Grizzly Bear Committee. 36 pp.

Wilmont, K., K. Frey, D. Tyers, M. Haroldson, F. van Manen, C. Servheen, D. Thompson, D. Bjornlie, and K. Gunther. 2016. Board of Review Recommendations based on the investigation of the fatality of Mr. Lance Crosby from a bear attack on Elephant Back Mountain, Yellowstone National Park on August 6, 2015. Report to the Interagency Grizzly Bear Committee. 3 pp.

Servheen, C., T. Manley, D. M. Starling, A. Jacobs, and J. Waller. 2017. Board of Review Report: The death of Mr. Brad Treat due to a grizzly bear attack June 29, 2016 on the Flathead National Forest. Report to the Interagency Grizzly Bear Committee. 15 pp.

Servheen, C., T. Manley, D. M. Starling, A. Jacobs, and J. Waller. 2017. Board of Review Recommendations related to mountain bike safety in bear habitat based on the fatality of Mr. Brad Treat on June 29, 2016. Report to the Interagency Grizzly Bear Committee. 5 pp.

#### **ADDITIONAL RELEVANT ACTIVITIES:**

Past lead editor of the Global Bear Conservation Action Plan for the International Union for the Conservation of Nature (IUCN).

Course taught for 18 years: International Wildlife Conservation, College of Forestry and Conservation, University of Montana.

Past consultant and technical advisor on bear conservation to the governments of France, Austria, Spain, Greece, Italy, Japan, Malaysia, Taiwan, the European Union (EU), Canada, and the Council of Europe on bear conservation, research, and management.

Past member – Polar Bear Recovery Team.

One of two subject matter experts for the Office of the Auditor General of British Columbia for an independent audit of grizzly bear management in the Province of British Columbia. 2017. 74 pp.

#### **GRADUATE STUDENTS SUPERVISED:**

Chairman of the following graduate student research programs (recent listings):

Moll, Joseph. 1994. Nature as resource in Japan: the evolution of brown bear management in Hokkaido, Japan. M.S. Thesis. Resource Conservation, School of Forestry, University of Montana.

Mietz, Steve. 1994. Linkage zone identification and evaluation of management options for grizzly bears in the Evaro Hill area, Montana. M.S. Thesis. Environmental Studies, University of Montana.

Kehoe, Nancy. 1995. Grizzly bear distribution in the North Fork of the Flathead River Valley: a test of the linkage zone prediction model. M.S. Thesis. Wildlife Biology, University of Montana.

Reiner, David. 1996. Estimating the nutritional quality of bear habitat in southeastern British Columbia, by measuring bear body condition. M.S. Thesis. Wildlife Biology, University of Montana.

Sandstrom, Per. 1996. Identification of potential linkage zones for grizzly bears in the Swan-Clearwater Valleys using GIS. M.S. Thesis. Wildlife Biology, University of Montana.

Roy, Mina Miyai. 1997. Evolving human attitudes and management policy in Japanese wildlife management: a case study of the Asiatic black bear. M.S. Thesis. Wildlife Biology, University of Montana.

Giannatos, George. 1997. Man-related limiting factors preventing brown bear recovery in the Rhodopi Mountains of Greece. M.S. Thesis. Wildlife Biology, University of Montana.

Gold, Andrea. 1997. Habitat use of the black bear in the eastern Cascade Mountains of Washington. M.S. Thesis. Wildlife Biology, University of Montana.

Chen, Tsui-Lan. 1998. Integration of wildlife conservation with local development through a community: a case study in Yushan National Park, Taiwan. Ph.D. Dissertation. Wildlife Biology, University of Montana.

Von Der Ohe, Christina. 2000. Noninvasive fecal monitoring of glucocorticoids to determine stress in Alaska brown bears. M.S. Thesis. Wildlife Biology, University of Montana.

Wong, Siew Te. 2002. Sun bear ecology in logged and unlogged forest in Sabah, Malaysia on the island of Borneo. M.S. Thesis. Wildlife Biology, University of Montana.

Graves, Tabitha. 2002. Impacts of motorized recreational use on grizzly bear distribution in the Badger-Two Medicine area of Montana. M.S. Thesis. Wildlife Biology, University of Montana.

Waller, John. 2005. Grizzly bear movement and habitat use in a transportation corridor. Ph.D. Dissertation. Wildlife Biology, University of Montana.

McCoy, Karin. 2005. Effects of transportation and development on black bear movement, mortality, and use of the highway 93 corridor in NW Montana. M.S. Thesis. Wildlife Biology, University of Montana.

Stetz, Jeffery. 2008. Using non-invasive genetic sampling to assess and monitor grizzly population status in the Northern Continental Divide Ecosystem. M.S. Thesis. Wildlife Biology, University of Montana.

Teevin, Colleen. 2008. Grizzly Bear Reintroduction: Understanding Stakeholder Interests in the Selway-Bitterroot Ecosystem South of the Salmon River. Professional Paper. Resource Conservation, University of Montana.

Miersma, Erika. 2010. *Movements, Activity Range, Habitat Use and Conservation of the Jamaican (Yellow ) Boa (*Epicrates subflavus*)*. M.S. Thesis. International Conservation and Development, University of Montana.

Ward, Alicia. 2012. *Composition, Distribution, and Conservation of the Herpetofauna of Santa Barbara Mountain, Honduras*. M.S. Thesis. International

Conservation and Development, University of Montana.

Ruby, Mark. 2014. Evaluation Of Grizzly Bear (*Ursus arctos*) Movement And Habitat Use In Relationship To Human Development In The Swan-Clearwater Valleys, Montana. M.S. Thesis. Resource Conservation, University of Montana.

Leary, Alyssa. 2014. **Ecological Implications of International Patent Regimes: A Comparative Analysis of Laws and Cases from the United States, India, and Brazil.** M.S. Thesis. International Conservation and Development, University of Montana.

Phelan, Conor. 2018. Predictive Spatial Modeling of Wildfire Occurrence and Poaching Events Related to Siberian Tiger Conservation in Southwest Primorye, Russian Far East. M.S. Thesis. International Conservation and Development, University of Montana.

## **SPECIALIZATION:**

Applied conservation of bears.

Integration and coordination of complex interagency management programs between state, federal, and private agencies and organizations.

Implementation of applied management efforts involving diverse organizations.

Coordination of international conservation efforts on the bears of the world particularly regarding trade in bear parts and the use of bear parts in traditional medicine.

Ecology, management, and conservation of Asian bear species.

Ecology, management, and conservation of brown bears worldwide.

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