

Literature Cited

- Allendorf, F. W., R. B. Harris, and L. H. Metzgar. 1991. Estimation of effective population size of grizzly bears by computer simulation. Pages 650-654 in E.C. Dudley, editor. The unity of evolutionary biology: proceedings of the fourth international conference of systematic and evolutionary biology. Dioscorides Press, Portland, Oregon, USA.
- Almack, J. A., W. L. Gaines, R. H. Naney, P. H. Morrison, J. R. Eby, G. F. Wooten, M. C. Snyder, S. H. Fitkin, and E. R. Garcia. 1993. North Cascades grizzly bear ecosystem evaluation: final report. Interagency Grizzly Bear Committee, Denver, Colorado, USA.
- Amman, G. D. and W. E. Cole. 1983. Mountain pine beetle dynamics in lodgepole pine forests. Part II: population dynamics. USDA Forest Service GTR-INT-145.
- Anderson, Jr., C. R., M. A. Ternent, and D. S. Moody. 2002. Grizzly bear-cattle interactions on two grazing allotments in northwest Wyoming. *Ursus* 13:247-256.
- Arno, S. F. 1986. Whitebark pine cone crops – a diminishing source of wildlife food? *Western Journal of Applied Forestry* 1:92-94.
- Aune, K. and W. Kasworm. 1989. Final report East Front grizzly studies. Montana Department of Fish, Wildlife, and Parks. 332 pages.
- Basile, J. V. 1982. Grizzly bear distribution in the Yellowstone area, 1973-79. United States Forest Service Research Note INT-321.
- Berducou, C., L. Faliu, and J. Barrat. 1983. The food habits of the brown bear in the national park of the western Pyrenees (France) as revealed by faeces analysis. *Acta Zoologica Fennica* 174:153-156.
- Blanchard, B. M. and R. R. Knight. 1980. Status of grizzly bears in the Yellowstone system. *Transactions of the North American Wildlife and Natural Resource Conference* 45:263-267.
- Blanchard, B. M., and R. R. Knight. 1991. Movements of Yellowstone grizzly bears, 1975-87. *Biological Conservation* 58:41-67.
- Blanchard, B. M., R. R. Knight, and D. J. Mattson. 1992. Distribution of Yellowstone grizzly bears during the 1980s. *American Midland Naturalist* 128:332-338.
- Boyce, M. S. 1995. Population viability analysis for grizzly bears (*Ursos arctos horribilis*): A critical review. Report to the Interagency Grizzly Bear Committee, Missoula, Montana. 79 pp.
- Boyce, M. S., B. M. Blanchard, R. R. Knight, and C. Servheen. 2001. Population viability for grizzly bears: a critical review. *International Association for Bear Research and Management Monograph Series Number 4*.

- Burgman, M. A., S. Ferson, and H. R. Akcakaya. 1993. Risk assessment in conservation biology. Chapman and Hall, London, England.
- Burroughs, R. D. 1961. Bears and raccoons. Pages 52-69 *in* The natural history of the Lewis and Clark expedition. Michigan State University Press, Lansing, Michigan, USA.
- Chapman, S. S., S. A. Bryce, J. M. Omernik, D. G. Despain, J. ZumBerge, and M. Conrad. 2004. Ecoregions of Wyoming (color poster with map, descriptive text, summary tables, and photographs): Reston, Virginia, U.S. Geological Survey (map scale 1:1,400,000). Accessible at http://www.epa.gov/wed/pages/ecoregions/wy_eco.htm
- 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.
- Clevenger, A. P., F. J. Purroy, and M. R. Pelton. 1992. Food habits of brown bears (*Ursus arctos*) in the Cantabrian Mountains, Spain. *Journal of Mammalogy* 73:415-421.
- Cowan, I. McT., D. G. Chapman, R. S. Hoffmann, D. R. McCullough, G. A. Swanson, and R. B. Weeden. 1974. Report of the Committee on the Yellowstone grizzlies. National Academy of Sciences Report.
- Craighead, J.J., J. R. Varney, and F. C. Craighead Jr. 1974. A population analysis of the Yellowstone grizzly bears. Bulletin 40, Montana Forest and Conservation Experiment Station, University of Montana, Missoula, Montana, USA.
- Craighead, J. J. 1980. A proposed delineation of critical grizzly bear habitat in the Yellowstone region. A monograph presented at the Fourth International Conference on Bear Research and Management, Kalispell, Montana, USA. Monograph Series Number 1.
- Craighead, F. C., Jr. and J. J. Craighead. 1972. Grizzly bear prehibernation and denning activities as determined by radiotracking. *Wildlife Monographs* 32:1-35.
- Craighead, F. L., D. Paetkau, H. V. Reynolds, C. Strobeck, and E. R. Vyse. 1998. Use of microsatellite DNA analyses to infer breeding behavior and demographic processes in an arctic grizzly bear population. *Ursus* 10:323-327.
- Craighead, J. J., K. R. Greer, R. R. Knight, and H. Ihsle Pac. 1988. Grizzly bear mortalities in the Yellowstone ecosystem, 1959-1987. Montana Fish, Wildlife, and Parks, Helena, Montana, USA. 103 pp.
- Craighead, J. J. and J. A. Mitchell. 1982. Grizzly bear. Pages 515-556 *in* Wild mammals of North America: biology, management, and economics. The Johns Hopkins University Press, Baltimore, Maryland, USA.

- Craighead, J. J., J. S. Sumner, and J. A. Mitchell. 1995. The grizzly bears of Yellowstone: Their ecology in the Yellowstone ecosystem, 1959-1992. Island Press, Washington, D.C., USA.
- Cronin, M., S. C. Amstrup, G. W. Garner, and E. R. Vyse. 1991. Interspecific and intraspecific mitochondrial DNA variation in North American bears (*Ursus*). Canadian Journal of Zoology 69:2985-2992.
- Dahle, B., O. J. Soerensen, E. H. Wedul, J. E. Swenson, and F. Sandegren. 1998. The diet of brown bears *Ursus arctos* in central Scandinavia: effect of access to free-ranging domestic sheep *Ovis aries*. Wildlife Biology 4:147-158.
- Dean, F. C., L. M. Darling, and A. G. Lierhaus. 1986. Observations of intraspecific killing by brown bears, *Ursus arctos*. Canadian field naturalist 100:208-211.
- Dixon, B. G. 1997. Cumulative effects modeling for grizzly bears in the greater Yellowstone ecosystem. Master's Thesis. Montana State University, Bozeman, Montana, USA. 192 pages.
- Eberhardt, L. L. 1977. Optimal policies for conservation of large mammals, with special reference to marine ecosystems. Environmental Conservation 4:205-212.
- Eberhardt, L. L., B. M. Blanchard, and R. R. Knight. 1986. Monitoring grizzly bear population trends. Journal of Wildlife Management 50:613-618.
- Eberhardt, L. L., B. M. Blanchard, and R. R. Knight. 1994. Population trend of the Yellowstone grizzly bear as estimated from reproductive and survival rates. Canadian Journal of Zoology 72:360-363.
- Eberhardt, L. L. and R. R. Knight. 1996. How many grizzlies in Yellowstone? Journal of Wildlife Management 60:416-421.
- Felicetti, L. A., C. C. Schwartz, R. O. Rye, K. A. Gunther, J. G. Crock, M. A. Haroldson, L. Waits, 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.
- 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.
- Folk, G. E., Jr., A. Larson, and M. A. Folk. 1976. Physiology of hibernating bears. Pages 373-380 in Bears: their biology and management. Proceedings of the 3rd international conference on bear research and management, Binghamton, New York, USA.

Forest Service Manuals are available online at <http://www.fs.fed.us/im/directives/>

French, S. P., M. G. French, and R. R. Knight. 1994. Grizzly bear use of army cutworm moths in the Yellowstone ecosystem. *Ursus* 9:389-399.

Green, G. I., D. J. Mattson, J. M. Peek. 1997. Spring feeding on ungulate carcasses by grizzly bears in Yellowstone National Park. *Journal of Wildlife Management* 61:1040-1055.

Gunther, K. A. 1994. Bear management in Yellowstone National Park, 1960-93. Pages 549-560 *in* Bears: their biology and management. Proceedings of the 9th international conference on bear research and management, Missoula, Montana USA.

Gunther, K. A., M. T. Brusolino, S. Cain, K. Frey, and R. R. Knight. 1997. Grizzly bear-human conflicts, confrontations, and management actions in the Yellowstone Ecosystem Subcommittee report. National Park Service.

Gunther, K. A., M. A. Haroldson, K. Frey, S. L. Cain, J. Copeland, and C. C. Schwartz. 2004. Grizzly bear-human conflicts in the Greater Yellowstone ecosystem, 1992-2000. *Ursus* 15:10-22.

Gunther, K. A. and R. A. Renkin. 1990. Grizzly bear predation on elk calves and other fauna of Yellowstone National Park. Pages 329-334 *in* Bears: their biology and management. Proceedings of the 8th international conference on bear research and management, Victoria, British Columbia, Canada.

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.

Hall, E. R. 1984. Geographic variation among brown and grizzly bears (*Ursus arctos*) in North America. University of Kansas Museum Natural History Special Publication.

Harding, L. and J. A. Nagy. 1980. Responses of grizzly bears to hydrocarbon exploration on Richards Island, Northwest Territories, Canada. Pages 277-280 *in* Bears: their Biology and Management. Proceedings of the 4th International Conference on Bear Research and Management, Kalispell, Montana.

Haroldson, M. A. 1999. Unduplicated females. Pages 3-12 *in* C.C. Schwartz and M. A. Haroldson, editors. Yellowstone grizzly bear investigations: Annual report of the Interagency Grizzly Bear Study Team, 1998. United States Geological Survey, Bozeman, Montana, USA.

Haroldson, M. A. 2000. Unduplicated females. Pages 9-13 *in* C.C. Schwartz and M.A. Haroldson, editors. Yellowstone grizzly bear investigations: Annual report of the Interagency Grizzly Bear Study Team, 1999. United States Geological Survey, Bozeman, Montana, USA.

- Haroldson, M. A. 2001. Unduplicated females. Pages 11-14 *in* C.C. Schwartz and M.A. Haroldson, editors. Yellowstone grizzly bear investigations: Annual report of the Interagency Grizzly Bear Study Team, 2000. United States Geological Survey, Bozeman, Montana, USA.
- Haroldson, M.A. 2003. Unduplicated females. Pages 11-17 *in* C.C. Schwartz and M.A. Haroldson, editors. Yellowstone grizzly bear investigations: Annual report of the Interagency Grizzly Bear Study Team, 2002. United States Geological Survey, Bozeman, Montana, USA.
- Haroldson, M. A. 2004. Unduplicated females. Pages 10-15 *in* C.C. Schwartz and M.A. Haroldson, editors. Yellowstone grizzly bear investigations: Annual report of the Interagency Grizzly Bear Study Team, 2003. United States Geological Survey, Bozeman, Montana, USA.
- Haroldson, M. A., and K. Frey. 2003. Grizzly bear mortalities. Pages 24-28 *in* C.C. Schwartz and M.A. Haroldson, editors. Yellowstone grizzly bear investigations: Annual report of the Interagency Grizzly Bear Study Team, 2002. U.S. Geological Survey, Bozeman, Montana, USA.
- Haroldson, M. A. and K. Frey. 2004. Grizzly bear mortalities. Pages 22-25 *in* C.C. Schwartz and M.A. Haroldson, editors. Yellowstone grizzly bear investigations: annual report of the Interagency Grizzly Bear Study Team, 2003. U.S. Geological Survey, Bozeman, Montana, USA.
- Haroldson, M., S. Podruzny, D. Reinhart, K. Gunther, L. Waits, and C. Cegleski. 2000. Spawning Cutthroat Trout Numbers on Tributary Streams to Yellowstone Lake and Grizzly Bear use of Spawning Trout. Pages 29-35 *in* C. C. Schwartz and M. A. Haroldson, editors. Yellowstone grizzly bear investigations: annual report of the Interagency Grizzly Bear Study Team, 1999. U.S. Geological Survey, Bozeman, Montana, USA.
- Haroldson, M. A. and C. C. Schwartz. 2002. Unduplicated females. Pages 12-16 *in* C.C. Schwartz and M.A. Haroldson, editors. Yellowstone grizzly bear investigations: Annual report of the Interagency Grizzly Bear Study Team, 2001. United States Geological Survey, Bozeman, Montana, USA.
- Haroldson, M. A., M. Ternent, G. Holm, R. A. Swalley, S. Podruzny, D. Moody, and C. C. Schwartz. 1998. Yellowstone grizzly bear investigations: Annual report of the Interagency Grizzly Bear Study Team, 1997. United States Geological Survey, Bozeman, Montana, USA.
- Harris, R. B. 1986. Modeling sustainable harvest rates for grizzly bears. Pages 268-279 *in* A. Dood, R. Brannon, and R. Mace. The grizzly bear in northwestern Montana. Final programmatic environmental impact statement. Montana Department of Fish, Wildlife, and Parks, Helena, Montana, USA.

- Harting, A. L. Jr. 1985. Relationships between activity patterns and foraging strategies of Yellowstone grizzly bears. M. S. Thesis. Montana State University, Bozeman, Montana, USA.
- Herrero, S. 1972. Aspects of evolution and adaptation in American black bears (Ursus americanus Pallas) and brown and grizzly bears (U. arctos Linné) of North America. Pages 221-231 *in* Bears: their biology and management. Proceedings of 2nd International Conference on Bear Research and Management, Calgary, Alberta, Canada.
- Hessing, P. and L. Aumiller. 1994. Observations of conspecific predation by brown bears, Ursus arctos, in Alaska. *Canadian field naturalist* 108:332-336.
- Hilderbrand, G. V., S. D. Farley, C. T. Robbins, T. A. Hanley, K. Titus, and C. Servheen. 1996. Use of stable isotopes to determine diets of living and extinct bears. *Canadian Journal of Zoology* 74:2080-2088.
- Hilderbrand, G. V., C. C. Schwartz, C. T. Robbins, M. E. Jacoby, T. A. Hanley, S. M. 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.
- Hornocker, M. G. 1962. Population characteristics and social reproductive behavior of the grizzly bear in Yellowstone National Park. M.S. Thesis, University of Montana, Missoula, USA.
- Interagency Grizzly Bear Committee. 1994. Interagency grizzly bear committee taskforce report: grizzly bear/motorized access management. Missoula, Montana, USA. 8 pages.
- Interagency Grizzly Bear Study Team. 2005. Reassessing sustainable mortality limits for the Greater Yellowstone Ecosystem grizzly bear. Interagency Grizzly Bear Study Team, USGS Northern Rocky Mountain Science Center, Montana State University, Bozeman, Montana, USA.
- Jacoby, M. E., G. V. Hilderbrand, C. Servheen, C.C. Schwartz, S.M. Arthur, T.A. Hanley, C.T. 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.
- Johnson, C. J., M. S. Boyce, C. C. Schwartz, and M. A. Haroldson. 2004. Modeling survival: application of the Andersen-Gill model to Yellowstone grizzly bears. *Journal of Wildlife Management* 68:966-978.
- Jonkel, C. 1980. Grizzly bears and livestock. *Western Wildlands* 6:11-14.

- Jonkel, C. J. and I. M. Cowan. 1971. The black bear in the spruce-fir forest. *Wildlife Monographs* 27.
- Judd, S. L., R. R. Knight, and B. M. Blanchard. 1986. Denning of grizzly bears in the Yellowstone National Park area. Pages 111-117 *in* Bears: their biology and management. Proceedings of the 6th International Conference on Bear Research and Management, Grand Canyon, Arizona, USA.
- Kasworm, W. F., H. Carriles, and T. G. Radandt. 2004. Cabinet-Yaak grizzly bear recovery area 2003 research and monitoring progress report. U.S. Fish and Wildlife Service, Missoula, Montana. 62 pp.
- Kasworm, W. F. and T. Manley. 1988. Grizzly bear and black bear ecology in the Cabinet Mountains of northwest Montana. Montana Department of Fish, Wildlife, and Parks.
- Keating, K. A., C. C. Schwartz, M. A. Haroldson, and D. Moody. 2002. Estimating numbers of females with cubs-of-the-year in the Yellowstone grizzly bear population. *Ursus* 13:161-174.
- Kellert, S. R. 1994. Public attitudes toward bears and their conservation. Pages 43-50 *in* Bears: their biology and management. Proceedings of the 9th international conference on bear research and management, Missoula, Montana USA..
- Kellert, S. R., M. Black, C. R. Rush, and A. J. Bath. 1996. Human culture and large carnivore conservation in North America. *Conservation Biology* 10:977-990.
- Kendall, K. C. and S. F. Arno. 1990. Whitebark pine – an important but endangered wildlife resource. Pages 264-273 *in* W. C. Schmidt and K. J. McDonald, compilers. Proceedings–Symposium on whitebark pine ecosystems: ecology and management of a high-mountain resource. USDA Forest Service, Intermountain Research Station, General Technical Report INT-270, Ogden, Utah, USA.
- Kendall, K. C. and R. E. Keane. 2001. Whitebark pine decline: infection, mortality, and population trends. Pages 221-242 *in* Tomback, D. F., S. F. Arno, and R. E. Keane, editors. Whitebark pine communities: ecology and restoration, Island Press, Washington D.C., USA.
- Knight, R. R. 1980. Biological considerations in the delineation of critical habitat. Pages 1-3 *in* Bears: their biology and management. Proceedings of the 4th international conference on bear research and management, Kalispell, Montana USA..
- Knight, R. R., B. M. Blanchard, and L. L. Eberhardt. 1988. Mortality patterns and populations sinks for Yellowstone grizzly bears, 1973-1985. *Wildlife Society Bulletin* 16:121-125.

- Knight, R. R. and B. M. Blanchard. 1995. Yellowstone grizzly bear investigations: Annual report of the Interagency Grizzly Bear Study Team, 1994. National Biological Service, Bozeman, Montana, USA.
- 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.
- Knight, R. R. and B. M. Blanchard. 1996. Yellowstone grizzly bear investigations: Annual report of the Interagency Grizzly Bear Study Team, 1995. National Biological Service, Bozeman, Montana, USA.
- Knight, R. R., B. M. Blanchard, and M. A. Haroldson. 1997. Yellowstone grizzly bear investigations: Annual report of the Interagency Grizzly Bear Study Team, 1996. United States Geological Survey, Bozeman, Montana, USA.
- Knight, R. R., B. M. Blanchard, and P. Schullery. 1999. Yellowstone bears. Pages 50-75 *in* T.W. Clark, A.P. Curlee, S.C. Minta, and P.M. Kareiva, editors. *Carnivores in ecosystems: The Yellowstone experience*. Yale University Press, New Haven, Connecticut, USA.
- Knight, R. R. and L. L. Eberhardt. 1984. Projected future abundance of the Yellowstone grizzly bear. *Journal of Wildlife Management* 48:1434-1438.
- Knight, R. R. and L. L. Eberhardt. 1985. Population dynamics of Yellowstone grizzly bears. *Ecology* 66:323-334.
- Knight, R. R. and L. L. Eberhardt. 1987. Prospects for Yellowstone grizzly bears. Pages 45-50 *in* *Bears: their biology and management*. Proceedings of the 7th International Conference on Bear Research and Management, Williamsburg, Virginia, USA.
- Knight, R. R. and S. L. Judd. 1983. Grizzly bears that kill livestock. Pages 186-190 *in* *Bears: their biology and management*. Proceedings of the 4th international conference on bear research and management, Kalispell, Montana.
- Koel, T. M., P. E. Bigelow, P. D. Doepke, B. D. Ertel, and D. L. Mahony. 2005. Lake trout impact on Yellowstone Lake cutthroat trout and their consumers. *Fisheries* 30:in press.
- Koford, C. B. 1969. The last of the Mexican grizzly bear. *IUCN Bulletin* 2:95.
- Kohn, M., F. Knauer, A. Stofella, W. Schroder, and S. Paabo. 1995. Conservation genetics of the European brown bear: A study using excremental PCR of nuclear and mitochondrial sequences. *Molecular Ecology* 4:95-103.

- Koteen, L. 2002. Climate change, whitebark pine, and grizzly bears in the greater Yellowstone ecosystem. Pages 343-411 *in* Schneider, S. H. and T. L. Root, editors. Wildlife responses to climate change. Island Press, Washington D.C., USA.
- Lande, R. 1988. Genetics and demography in biological conservation. *Science* 241:1455-1460.
- Lee, K. N. and J. Lawrence. 1986. Adaptive management: learning from the Columbia River basin fish and wildlife program. *Environmental Law* 16:431-460.
- LeFranc, M. N. Jr., M. B. Moss, K. A. Patnode, and W. C. Sugg III, editors. 1987. Grizzly bear compendium. The National Wildlife Federation, Washington, D.C., USA.
- Leopold, A. S. 1967. Grizzlies of the Sierra del Nido. *Pacific Discovery* 20:30-32.
- Linnell, J. D. C., J. E. Swenson, R. Andersen, and B. Barnes. 2000. How vulnerable are denning bears to disturbance? *Wildlife Society Bulletin* 28:400-413.
- Logan, J. A. and J. A. Powell. 2001. Ghost forests, global warming, and the mountain pine beetle (Coleoptera: Scolytidae). *American Entomologist* 47:160-172.
- Mace, R. D., J. S. Waller, T. L. Manley, L. J. Lyon, and H. Zuuring. 1996. Relationships among grizzly bears, roads and habitat in the Swan Mountains, Montana. *Journal of Applied Ecology* 33:1395-1404.
- Mace, R.D. and J.S. Waller. 1998. Demography and population trend of grizzly bears in the Swan Mountains, Montana. *Conservation Biology* 12: 1005-1016.
- Martinka, C. J. 1976. Ecological role and management of grizzly bears in Glacier National Park, Montana. Pages 147-156 *in* Bears: their biology and management. Proceedings of the 3rd international conference on bear research and management, Binghamton, New York, USA.
- Mattson, D. J. 1990. Human impacts on bear habitat use. Pages 33-56 *in* Bears: their biology and management. Proceedings of the 8th international conference on bear research and management, Victoria, British Columbia, Canada.
- Mattson, D. J. 1997. Use of ungulates by Yellowstone grizzly bears *Ursus arctos*. *Biological Conservation* 81:161-177.
- Mattson, D. J., K. Barber, R. Maw, and R. Renkin. 2002. Coefficients of productivity for Yellowstone's grizzly bear habitat. U.S. Geological Survey. Biological Resources Division Information and technology Report. USGS/BRD/BSR-2002-2007.
- Mattson, D. J., B. M. Blanchard, and R. R. Knight. 1991a. Food habits of Yellowstone grizzly bears, 1977-1987. *Canadian Journal of Zoology* 69:1619-1629.

- Mattson, D. J., B. M. Blanchard, and R. R. Knight. 1992. Yellowstone grizzly bear mortality, human habituation, and whitebark pine seed crops. *Journal of Wildlife Management* 56:432-442.
- Mattson, D. J. and D. G. Despain. 1985. Grizzly bear habitat component mapping handbook for the Yellowstone ecosystem. National Park Service. U.S. Forest Service.
- Mattson, D. J., C. M. Gillin, S. A. Benson, and R. R. Knight. 1991b. Bear use of alpine insect aggregations in the Yellowstone ecosystem. *Canadian Journal of Zoology* 69:2430-2435.
- Mattson, D. J., S. Herrero, R. G. Wright, and C. M. Pease. 1996. Science and management of Rocky Mountain grizzly bears. *Conservation Biology* 10:1013-1025.
- Mattson, D. J. and C. Jonkel. 1990. Stone pines and bears. General Technical Report INT 270:223-236, USFS.
- Mattson, D. J., R. R. Knight, and B. M. Blanchard. 1987. The effects of developments and primary roads on grizzly bear habitat use in Yellowstone National Park, Wyoming. Pages 259-273 *in* Bears: their biology and management. Proceedings of the 7th International Conference on Bear Research and Management, Williamsburg, Virginia, USA.
- Mattson, D. J. and R. R. Knight. 1991. Effects of access on human-caused mortality of Yellowstone grizzly bears. Interagency Grizzly Bear Study Team Report, Bozeman, Montana, USA. 13 pages.
- Mattson, D. J. and T. Merrill. 2002. Extirpations of grizzly bears in the contiguous United State, 1850-2000. *Conservation Biology* 16:1123-1136.
- Mattson D. J. and D. P. Reinhart. 1994. Bear use of whitebark pine seeds in North America. Pages 212-220 *In* W.C. Schmidt and F.K. Holtmeier, editors, Proceedings of the International Workshop on Subalpine Stone Pines and their Environment: The Status of our Knowledge, General Technical Report. INT-GTR-309, USFS.
- Mattson, D. J. and D. P. Reinhart. 1995. Influences of cutthroat trout (*Oncorhynchus clarki*) on behaviour and reproduction of Yellowstone grizzly bears (*Ursus arctos*). *Canadian Journal of Zoology* 73:2072-2079.
- Mattson, D. J., R. G. Wright, K. C. Kendall, and C. J. Martinka. 1995. Grizzly bears. Pages 103-105 *in* E. T. LaRoe, G. S. Farris, C. E. Puckett, P. D. Doran, and M. J. Mac, editors. Our living resources: A report to the nation on the distribution, abundance, and health of U.S. plants, animals, and ecosystems. U.S. Department of the Interior, National Biological Service, Washington, D.C.

- McCullough, D. R. 1981. Population dynamics of the Yellowstone grizzly bear. Pages 173-196 in Fowler, C. W. and T. D. Smith, editors. Dynamics of large mammal populations, John Wiley and Sons, New York, New York, USA.
- McDonald, G. I. and R. J. Hoff. 2001. Blister rust: an introduced plague. Pages 193-220 in Tomback, D. F., S. F. Arno, and R. E. Keane, editors. Whitebark pine communities: ecology and restoration, Island Press, Washington D.C., USA.
- McGrath C. L., A. J. Woods, J. M. Omernik, S. A. Bryce, M. Edmondson, J. A. Nesser, J. Shelden, R. C. Crawford, J. A. Comstock, and M. D. Plocher. 2002. Ecoregions of Idaho (color poster with map, descriptive text, summary tables, and photographs): Reston, Virginia, U.S. Geological Survey (map scale 1:1,350,000). Accessible at http://www.epa.gov/wed/pages/ecoregions/id_eco.htm
- McLellan, B. N. 1989. Dynamics of a grizzly bear population during a period of industrial resource extraction, II: mortality rates and causes of death. Canadian Journal of Zoology 67:1861-1864.
- McLellan, B. N. 1994. Density-dependent population regulation of brown bears. Pages 15-24 in M. Taylor, editor. Density-dependent population regulation of black, brown, and polar bears. Eighth international conference on bear research and management monograph series number 3.
- McLellan, B. N., F. W. Hovey, R. D. Mace, J. G. Woods, D. W. Carney, M. L. Gibeau, W. L. Wakkinen, and W. F. Kasworm. 1999. Rates and causes of grizzly bear mortality in the interior mountains of British Columbia, Alberta, Montana, Washington, and Idaho. Journal of Wildlife Management 63:911-920.
- McLellan, B. N. and F. W. Hovey. 2001. Natal dispersal of grizzly bears. Canadian Journal of Zoology 79:838-844.
- McLellan, B. N. and D. M. Shackleton. 1988. Grizzly bears and resource-extraction industries: effects of roads on behaviour, habitat use and demography. Journal of Applied Ecology 25:451-460.
- McLellan, B. N. and D. M. Shackleton. 1989. Grizzly bears and resource-extraction industries: habitat displacement in response to seismic exploration, timber harvesting and road maintenance. Journal of Applied Ecology 26:371-380.
- Mealy, S. 1975. The natural food habits of free-ranging grizzly bears in Yellowstone National Park, 1973-1974. M. S. thesis, Montana State University, Bozeman, Montana, USA.
- Mealy, S. 1979. Guidelines for Management involving grizzly bears in the Greater Yellowstone Area. U.S. Forest Service and U.S. National Park Service.

- Merriam, C. H. 1918. Review of the grizzly and big brown bears of North America (genus *Ursus*) with description of a new genus, *Vetularctos*. Government printing office, Washington D.C., USA.
- Merriam, C. H. 1922. Distribution of grizzly bears in U.S. *Outdoor Life* L:1-2.
- Merrill, T., D. J. Mattson, R. G. Wright, and H. B. Quigley. 1999. Defining landscapes suitable for restoration of grizzly bears *Ursus arctos* in Idaho. *Biological Conservation* 87:231-248.
- Miller, C. R. and L. P. Waits. 2003. The history of effective population size and genetic diversity in the Yellowstone grizzly (*Ursus arctos*): Implications for conservation. *Proceedings of the National Academy of Sciences* 100:4334-4339.
- Mills, L. S. 1995. Edge effects and isolation: red-backed voles on forest remnants. *Conservation Biology* 9:395-403.
- Mills, L. S. and F. W. Allendorf. 1996. The one-migrant-per-generation-rule in conservation and management. *Conservation Biology* 10:1509-1518.
- Montana Fish Wildlife and Parks (MTFWP). 2002. Grizzly bear management plan for southwestern Montana 2002-2012. MTFWP, Helena, Montana, USA. Available online at <http://www.fs.fed.us/r1/wildlife/igbc/Subcommittee/yes/cs/montanaplan.pdf>
- Morgan, P. and S. C. Bunting. 1992. Using cone scars to estimate past cone crops of whitebark pine. *Western Journal of Applied Forestry* 7:71-73.
- Nelson, R. A. 1980. Protein and fat metabolism in hibernating bears. *Federation Proceedings* 39:2955-2958.
- Newman, D. and D. A. Tallmon. 2001. Experimental evidence for beneficial fitness effects of gene flow in recently isolated populations. *Conservation Biology* 15:1054-1063.
- Nowak, R.M. and J.L. Paradiso. 1983. *Walker's Mammals of the World*, 4th edition. The Johns Hopkins University Press, Baltimore, Maryland, USA.
- Omernik, J. M. 1987. Ecoregions of the conterminous United States. *Annals of the Association of American Geographers* 77:118-125.
- Omernik, J. M. 1995. Ecoregions: a spatial framework for environmental management. Pages 49-62 in Davis, W. S., Simon, T. P., editors. *Biological assessment and criteria: tools for water resource planning and decision making*. Lewis Publishing, Boca Raton, Florida, USA.

- Orme, M. L. and R. G. Williams. 1986. Coordinating livestock and timber management with the grizzly bear in situation 1 habitat, Targhee National Forest. Pages 195-203 in G. P. Contreras and K. E. Evans, compilers. Proceedings—grizzly bear habitat symposium. U.S. Forest Service General Technical Report INT-207.
- Paetkau, D., L. P. Waits, P. L. Clarkson, L. Craighead, E. Vyse, R. Ward, and C. Strobeck. 1998. Variation in genetic diversity across the range of North American brown bears. *Conservation Biology* 12:418-429.
- Pease, C. M. and D. J. Mattson. 1999. Demography of the Yellowstone grizzly bears. *Ecology* 80:957-975.
- Peek, J. M., M. R. Pelton, H. D. Picton, J. W. Schoen, and P. Zager. 1987. Grizzly bear conservation and management: a review. *Wildlife Society Bulletin* 15:160-169.
- Pritchard, G. T. and C. T. Robbins. 1990. digestive and metabolic efficiencies of grizzly and black bears. *Canadian Journal of Zoology* 68:1645-1651.
- Proctor, M. F., B. N. McLellan, C. Strobeck, and R. M. R. Barclay. 2004. Gender-specific dispersal distances of grizzly bears estimated by genetic analysis. *Canadian Journal of Zoology* 1108-1118.
- Pyare, S., S. Cain, D. Moody, 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* 7:1-7.
- Randi, E., L. Gentile, G. Boscagli, D. Huber, and H. U. Roth. 1994. Mitochondrial DNA sequence divergence among some west European brown bear (*Ursus arctos* L.) populations: Lessons for conservation. *Heredity* 73:480-489.
- Rausch, R. L. 1963. Geographic variation in size of North American brown bears, *Ursus arctos* L., as indicated by condylobasal length. *Canadian Journal of Zoology* 41:33-45.
- Reinhart, D. P., M. A. Haroldson, D. J. Mattson, and K. A. Gunther. 2001. Effects of exotic species on Yellowstone's grizzly bears. *Western North American Naturalist* 61:277-288.
- Reinhart, D. P. and D. J. Mattson. 1990. Bear use of cutthroat trout spawning streams in Yellowstone National Park. Pages 343-350 in *Bears: their biology and management. Proceedings of the 8th international conference on bear research and management, Victoria, British Columbia, Canada.*
- Reynolds, P. E., H. V. Reynolds, and E. H. Follmann. 1986. Responses of grizzly bears to seismic surveys in northern Alaska. Pages 169-175 in *Bears: their biology and management. Proceedings of the 6th international conference on bear research and management, Grand Canyon, Arizona, USA.*

- Rode, K. D. and C. T. Robbins. 2000. Why bears consume mixed diets during fruit abundance. *Canadian Journal of Zoology* 78:1640-1645.
- Rogers, L. L. and S. M. Rogers. 1976. Parasites of bears: a review. Pages 411-430 *in* Bears: their biology and management. Proceedings of the 3rd international conference on bear research and management, Binghamton, New York, USA.
- Rollins, P. A. 1935. The discovery of the Oregon Trail – Robert Stuart’s narratives of his overland trip eastward from Astoria in 1812-13. Charles Scribner’s Sons, New York, New York, USA.
- Roosevelt, T. 1907. Good hunting: In pursuit of big game in the West. Harper & Brothers, New York, New York, USA.
- Ruzycki, J. R., D. A. Beauchamp, and D. L. Yule. 2003. Effects of introduced lake trout on native cutthroat trout in Yellowstone Lake. *Ecological Applications* 13:23-37.
- Saether, B. E., S. Engen, J. E. Swenson, O. Bakke, and F. Sandegren. 1998. Assessing the viability of Scandinavian brown bear, *Ursus arctos*, populations: the effects of uncertain parameter estimates. *Oikos* 83:403-416.
- Schmidt, W. C. 1994. Distribution of stone pines. Pages 1-6 *In* W.C. Schmidt and F.K. Holtmeier, editors, Proceedings of the International Workshop on Subalpine Stone Pines and their Environment: The Status of our Knowledge, General Technical Report. INT-GTR-309, USFS.
- Schoen, J. W., L. R. Beier, J. W. Lentfer, and L. J. Johnson. 1987. Denning ecology of brown bears on Admiralty and Chichagof Islands. Pages 293-304 *in* Bears: their biology and management: Proceedings of the 7th International Conference on Bear Research and Management, Williamsburg, Virginia, USA.
- Schwartz, C. C., M. A. Haroldson, K. A. Gunther, and D. Moody. 2002. Distribution of grizzly bears in the Greater Yellowstone Ecosystem, 1990-2000. *Ursus* 13:203-212.
- Schwartz, C. C., M. A. Haroldson, G. C. White, R. B. Harris, S. Cherry, K. A. Keating, D. Moody, and C. Servheen. 2005. Temporal, spatial, and environmental influences on the demographics of grizzly bears in the Greater Yellowstone Ecosystem. *Wildlife Monographs* 161.
- Schwartz, C. C., K. A. Keating, H. V. Reynolds, III, V. G. Barnes, Jr., R. A. Sellers, J. E. Swenson, S. D. Miller, B. N. McLellan, J. Keay, R. McCann, M. Gibeau, W. F. Wakkinen, R. D. Mace, W. Kasworm, R. Smith, and S. Herrero. 2003b. Reproductive maturation and senescence in the female brown bear. *Ursus* 14:109-119.
- Schwartz, C. C., S. D. Miller, and M. A. Haroldson. 2003a. Grizzly/brown bear. Pages 556-586 *in* G. Feldhamer, B. Thompson, and J. Chapman, editors. *Wild mammals of North*

America: biology, management, and conservation. Johns Hopkins University Press, Baltimore, Maryland, USA.

- Servheen, C. 1990. The status and conservation of the bears of the world. 32 pages. Eighth international conference on bear research and management monograph series number 2.
- Servheen, C. 1996. Conservation of small bear populations through strategic planning. *Ursus* 10:67-73.
- Servheen, C. 1999. Status and management of the grizzly bear in the lower 48 United States. Pages 50-54 *in* C. Servheen, S. Herrero, and B. Peyton, compilers. Bears: Status survey and conservation action plan. IUCN/SSC Bear and Polar Bear Specialist Groups. IUCN, Gland, Switzerland.
- Servheen, C., M. Haroldson, K. Gunther, K. Barber, M. Brucino, M. Cherry, B. DeBolt, K. Frey, L. Hanauska-Brown, G. Losinski, C. Schwartz, and B. Summerfield. 2004. Yellowstone mortality and conflicts reduction report. Presented to the Yellowstone Ecosystem Subcommittee April 7, 2004.
- Servheen, C., J. S. Waller, and P. Sandstrom. 2003. Identification and management of linkage zones for wildlife between large blocks of public land in the northern Rocky Mountains. USFWS, Missoula, Montana. 83 pp.
- Smith, D. W., R. O. Peterson, and D. B. Houston. 2003. Yellowstone after wolves. *Bioscience* 53:330-340.
- Stebler, A. M. 1972. Conservation of the grizzly- ecologic and cultural considerations. Pages 297-303 *in* Bears: their biology and management. Proceedings of the 2nd international conference on bear research and management, Calgary, Alberta, Canada.
- Steelquist, R. U. 1998. Field guide to the North American bison, a natural history and viewing guide to the Great Plains buffalo. Sasquatch Books, Seattle, Washington, USA.
- Storer, T. I. and L. P. Tevis. 1955. California grizzly. University of Nebraska Press, Lincoln, Nebraska, USA.
- Stringham, S. F. 1980. Possible impacts of hunting on the grizzly/brown bear, a threatened species. Pages 337-349 *in* Bears: their biology and management. Proceedings of the 4th international conference on bear research and management, Kalispell, Montana, USA.
- Stringham, S. F. 1990. Grizzly bear reproductive rate relative to body size. Pages 433-443 *in* Bears: their biology and management. Proceedings of the 8th international conference on bear research and management, Victoria, British Columbia, Canada.
- Stroganov, S.U. 1969. Carnivorous mammals of Siberia. Translated from Russian, Israel Program for Scientific Translations, Jerusalem.

- Swenson, J. E., F. Sandegren, S. Brunberg, and P. Wabakken. 1997. Winter den abandonment by brown bears, *Ursus arctos*: causes and consequences. *Wildlife Biology* 3:35-38.
- Taberlet, P. and J. Bouvet. 1994. Mitochondrial DNA polymorphism, phylogeography, and conservation genetics of the brown bear *Ursus arctos* in Europe. *Proceedings of the Royal Society of London Series B Biological Sciences* 255:195-200.
- Taberlet, P., J. E. Swenson, F. Sandegren, and A. Bjarvall. 1995. Localization of a contact zone between two highly divergent mitochondrial DNA lineages of the brown bear *Ursus arctos* in Scandinavia. *Conservation Biology* 9:1255-1261.
- Talbot, S. L. and G. F. Shields. 1996. A phylogeny of the bears (Ursidae) inferred from complete sequence of three mitochondrial genes. *Molecular-Phylogenetics and Evolution* 5:567-575.
- Ternent, M. and M. Haroldson. 2000. Grizzly Bear Use of Insect Aggregation Sites Documented from Aerial Telemetry and Observations. Pages 36-39 in C. C. Schwartz and M. A. Haroldson, editors. *Yellowstone grizzly bear investigations: annual report of the Interagency Grizzly Bear Study Team, 1999*. U.S. Geological Survey, Bozeman, MT. 128pp.
- Toman, T. L., T. Lemke, L. Kuck, B. L. Smith, S. G. Smith, and K. Aune. 1997. Elk in the greater Yellowstone area: status and management. Pages 56-64 in Thorne, E.T., M. S. Boyce, P. Nicoletti, and T. J. Kreeger, editors. *Brucellosis, bison, elk, and cattle in the greater Yellowstone area: defining the problem, exploring solutions*. Wyoming Department of Game and Fish / Greater Yellowstone Interagency Brucellosis Committee, Cheyenne, Wyoming, USA.
- Tomback, D. F., S. F. Arno, and R. E. Keane. 2001. The compelling case for management intervention. Pages 3-25 in Tomback, D. F., S. F. Arno, and R. E. Keane, editors. *Whitebark pine communities: ecology and restoration*, Island Press, Washington D.C., USA.
- United States Department of Agriculture. 1986. Interagency grizzly bear guidelines. United States Forest Service, Washington, D.C., USA.
- United States Department of Agriculture. U.S. Forest Service. 2004. Forest plan amendments for grizzly bear conservation for the greater Yellowstone area National Forests draft environmental impact statement.
- United States Department of Agriculture. U.S. Forest Service. 2005. Biological Assessment for the Forest Plan Amendments for Grizzly Bear Conservation for the Greater Yellowstone Area National Forests.
- United States Fish and Wildlife Service. 1979. Biological opinion.

- United States Fish and Wildlife Service. 1982. Grizzly bear recovery plan. Denver, Colorado, USA.
- United States Fish and Wildlife Service. 1993. Grizzly bear recovery plan. Missoula, Montana, USA.
- United States Fish and Wildlife Service. 1994. The reintroduction of gray wolves to Yellowstone National Park and central Idaho – final environmental impact statement. Helena, Montana.
- United States Fish and Wildlife Service. 1996. Bitterroot Ecosystem recovery plan chapter - supplement to the grizzly bear recovery plan. Missoula, Montana, USA.
- United States Fish and Wildlife Service. 2000. Grizzly bear recovery in the Bitterroot ecosystem. Final Environmental Impact Statement. Missoula, Montana, USA.
- United States Fish and Wildlife Service. 2003. Final Conservation Strategy for the Grizzly Bear in the Greater Yellowstone Area. Accessible at <http://www.fs.fed.us/r1/wildlife/igbc/>
- Wade, M., editor. 1947. The journals of Francis Parkman. Harper and Brothers Publishers, New York, New York, USA.
- Waits, L. P., D. Paetkau, C. Strobeck, and R. H. Ward. 1998a. A comparison of genetic diversity in North American brown bears. *Ursus* 10:307-314.
- Waits, L. P., S. L. Talbot, R. H. Ward, and G. F. Shields. 1998b. Mitochondrial DNA phylogeography of the North American brown bear and implications for conservation. *Conservation Biology* 12:408-417.
- Waits, L. P., D. Paetkau, and C. Strobeck. 1999. Genetics of the bears of the world. Pages 25-32 in C. Servheen, S. Herrero, and B. Peyton, compilers. *Bears: Status survey and conservation action plan*. IUCN/SSC Bear and Polar Bear Specialist Groups. IUCN, Gland, Switzerland.
- Waser, P. M. and W. T. Jones. 1983. Natal philopatry among solitary mammals. *Quarterly Review of Biology* 58:355-390.
- Waser, P. M., and C. Strobeck. 1998. Genetic signatures of interpopulation dispersal. *Trends in Ecology and Evolution* 13:43-44.
- Weaver, J., R. Escano, D. Mattson, T. Puchlerz, and D. Despain. 1986. A cumulative effects model for grizzly bear management in the Yellowstone ecosystem. Pages 234-246 in G. Contreras and K. Evans, compilers. *Proceedings: grizzly bear habitat symposium*. USDA Forest Service General Technical Report INT-207.

- Weaver, J. L., P. C. Paquet, and L. F. Ruggiero. 1996. Resilience and conservation of large carnivores in the Rocky Mountains. *Conservation Biology* 10:964-976.
- Weaver, T. and F. Forcella. 1986. Cone production in *Pinus albicaulis* forests. Pages 68-76 in *Proceedings of the Conifer Tree Seed in the Inland Mountain West Symposium*, Missoula, Montana, USA.
- White Jr., D., K. C. Kendall, and H. D. Picton. 1999. Potential energetic effects of mountain climbers on foraging grizzly bears. *Wildlife Society Bulletin* 27:146-151.
- Wielgus, R.B. 2002. Minimum viable population and reserve sizes for naturally regulated grizzly bears in British Columbia. *Biological Conservation* 106: 381-388.
- Williams, D. W. and A. M. Liebhold. 2002. Climate change and the outbreak ranges of two North American bark beetles. *Agricultural and Forest Entomology* 4:87-99.
- Woodroffe, R. 2000. Predators and people: using human densities to interpret declines in large carnivores. *Animal Conservation* 3:165-173.
- Woodroffe, R. and J. R. Ginsberg. 1998. Edge effects and the extinction of populations inside protected areas. *Science* 280:2126-2128.
- Woods, A. J., J. M. Omernik, J. A. Nesser, J. Sheldon, and S. H. Azevedo. 1999. Ecoregions of Montana (color poster with map, descriptive text, summary tables, and photographs). Reston, Virginia, U.S. Geological Survey (map scale 1:1,500,000). Accessible at http://www.epa.gov/wed/pages/ecoregions/mt_eco.htm
- Wright, W. H. 1909. *The grizzly bear: The narrative of a hunter-naturalist*. C. Scribner's Sons, New York, New York, USA.
- Wyoming Game and Fish Department (WGFD). 2002. Wyoming grizzly bear management plan. WGFD, Cheyenne, Wyoming, USA. Available online at <http://www.fs.fed.us/r1/wildlife/igbc/Subcommittee/yes/cs/wyomingplan.pdf>
- Yahner, R. H. 1988. Changes in wildlife communities near edges. *Conservation Biology* 2:333-339.
- Yellowstone National Park. 2003. *Yellowstone National Park Business Plan*. National Park Service, U.S. Department of the Interior, Yellowstone National Park, WY, USA. 43pp.