

## LITERATURE CITED

- Allen, S. and FWP. 1988. Montana bioeconomics study: Results of the elk hunter preference study. Montana Fish, Wildlife & Parks, Helena.
- Bate, L. J., E. O. Garton, and R. K. Steinhorst. 1995. Audit of big game harvest surveys in Idaho and the western United States. Univ. of Idaho, Moscow. 99pp.
- Baty, G. R. Resource partitioning and browse use by sympatric elk, mule deer, and white-tailed deer on a winter range in western Montana. Thesis, Univ. of Montana, Missoula.
- Biggins, D. E. 1975. Seasonal habitat selection and movements of the Spotted Bear elk herd. Thesis, Univ. of Montana, Missoula.
- Bryant, L. D., and C. Maser. 1982. Classification and distribution. pp. 1-59 *in*: J. W. Thomas and D. E. Toweill, eds. Elk of North America, Ecology and Management. Stackpole Books, Harrisburg, PA.
- Charles, A. 2002. Keys to the Treasure. Pp. 7-10 *in* Montana Outdoors, November/December 2002, Montana Fish, Wildlife & Parks, Helena.
- Charles, A. and M. S. Lewis. 2004. Block management landowner and hunter evaluations: Survey highlights from 2003 and comparisons to 1996 surveys. RMU Research Summary No. 13. Montana Fish, Wildlife & Parks, Helena.
- Cogan, R. D. and D. R. Diefenbach. 1998. Effect of undercounting and model selection on a sightability-adjustment estimator for elk. *J. of Wildl. Manage.* 62:269-279.
- Duffield, J. 1988. The net economic value of elk hunting in Montana. Montana Fish, Wildlife & Parks, Helena.
- Duffield, J., C. Neher, and M. Garrity. 1993. Montana outfitter survey: Land use fees and trip characteristics. Task 2 – Economic analysis of the values of surface uses of state lands. Report for Montana Department of State Lands, Helena.
- Freddy, D. J. 1998. Estimating survival rates of elk and developing techniques to estimate population size. Colorado Division of Wildlife, Fed. Aid in Wildlife Restoration Project W-153-R-11.
- Freddy, D. J. 2000. Estimating survival rates of elk and developing techniques to estimate population size. Colorado Division of Wildlife, Fed. Aid in Wildlife Restoration Project W-153-R-13.

- Fuller, P. R. 1976. Browse production and utilization on Spotted Bear Mountain winter range and seasonal movements of the Spotted Bear elk herd. Thesis, Univ. of Montana, Missoula.
- Hamlin, K. L. and G. L. Erickson. 1996. Environmental assessment of proposed changes in hunting season structure for mule deer in southwestern Montana. Montana Fish, Wildlife & Parks, Helena.
- Hamlin, K. L. and R. J. Mackie. 1989. Mule deer in the Missouri River Breaks, Montana: A study of population dynamics in a fluctuating environment. Montana Fish, Wildlife & Parks, Helena.
- Hamlin, K. L. and M. S. Ross. 2002. Effects of hunting regulation changes on elk and hunters in the Gravelly-Snowcrest mountains, Montana. Montana Fish, Wildlife & Parks, Helena.
- Henderson, R. E., B. A. Sterling, and T. O. Lemke. 1993. The lower Clark Fork elk study: Final report 1985-1990. Montana Fish, Wildlife & Parks, Helena.
- Henderson, R. E. and Q. Kujula. 2003. Personal communication.
- Hillis, J. M., M. J. Thompson, J. E. Canfield, L. J. Lyon, C. L. Marcum, P. M. Dolan, and D. W. McCleerey. 1991. Defining elk security: The Hillis paradigm. Pp. 38-43 in A. G. Christensen, L. J. Lyon, and T. N. Lonner, comps., Proceedings of the Elk vulnerability symposium, Montana State University, Bozeman.
- Hurley, M. A. 1994. Summer-fall ecology of the Blackfoot-Clearwater elk herd of western Montana. Thesis, Univ. of Idaho, Moscow.
- Jorgensen, H. J. 1994. Wildlife Management Area vegetation monitoring, 1991-1993. Montana Fish, Wildlife and Parks, Helena.
- Keigley, R. B. and M. R. Frisina. 1998. Browse evaluation by analysis of growth form. Vol. I: Methods for evaluating condition and trend. Montana Fish, Wildlife and Parks, Helena.
- King, Z. and R. Brooks. 2001. Results of 1998 Montana elk hunter preference survey. Montana Fish, Wildlife and Parks, Helena.
- Knight, R. R. 1970. The Sun River elk herd. Wildl. Monogr. No. 23. The Wildlife Soc., Washington, D. C.
- Legislative Audit Division - 02P-05. 2002. Big game inventory and survey process, Department of Fish, Wildlife and Parks. Legislative Audit Division, Helena.

- Leptich, D. J. and P. Zager 1991. Road access management effects on elk mortality and population dynamics. Pp. 126-131 *in* A.G. Christensen, L. J. Lyon, and T. N. Lonner, comps., Proceedings of the elk vulnerability symposium, Montana State University, Bozeman.
- Lewis, M. S. and Z. King. 2001. 2000 study of Missouri River Breaks archery elk hunting. Montana Fish, Wildlife and Parks, Helena.
- Litchfield, T. 2003. Personal communication.
- Lyon, L. J. and J. E. Canfield. 1991. Habitat selection by Rocky Mountain elk under hunting season stress. Pp. 99-105 *in* A.G. Christensen, L. J. Lyon, and T. N. Lonner, comps., Proceedings of the elk vulnerability symposium, Montana State University, Bozeman.
- Mackie, R. J., D. F. Pac, K. L. Hamlin, and G. L. Dusek. 1998. Ecology and management of mule deer and white-tailed deer in Montana. Montana Fish, Wildlife and Parks, Helena.
- Minnesota IMPLAN Group. 2002. State Level Data – 1999.
- Nelson, J. R. and T. A. Leege. 1982. Nutritional requirements and food habits. Pp. 323-368 *in* J. W. Thomas and D. E. Toweill, eds. Elk of North America, Ecology and Management. Stackpole Books, Harrisburg, PA.
- Noyes, J. H., B. K. Johnson, L. D. Bryant, S. L. Findholt, and J. W. Thomas. 1996. Effects of bull age on conception dates and pregnancy rates of cow elk. *J. Wildl. Manage.* 60:508-517.
- Olson, G., L. Marcum, and T. Baumeister. 1994. Final report Theodore Roosevelt Memorial Ranch elk study. Montana Fish, Wildlife and Parks, Helena.
- Pengelly, W. L. 1960. Elk population problems in the Bob Marshall Wilderness area. Univ. of Montana Coop. Wildl. Res. Rept., Missoula.
- Picton, H. D. 1960. Migration patterns of the Sun River elk herd, Montana. *J. Wildl. Manage.* 24:279-290.
- Picton, H. D. 1991. A brief history of elk: The hunt, research, and management. Pp. 10-15 *in* A.G. Christensen, L. J. Lyon, and T. N. Lonner, comps., Proceedings of the elk vulnerability symposium, Montana State University, Bozeman.
- Pils, A. C., R. A. Garrott, and J. J. Borkowski. 1999. Sampling and statistical analysis of snow-urine allantoin:creatinine ratios. *J. Wildl. Manage.* 63:1118-1132.

- Raymer, R. G. 1930. Montana – The land and the people. Vol. I., The Lewis Publishing Co., Chicago and New York.
- Rice, W. R. and J. D. Harde. 1977. Application of multiple aerial sampling to a mark-recapture census of white-tailed deer. *J. Wildl. Manage.* 41:197-206.
- Rognrud, M. and R. Janson. 1971. Elk. Pp 39-61 *in* T. W. Mussehl and F. W. Howell eds. Game Management in Montana. Montana Fish and Game Department, Helena.
- Rhyan, J. C., K. Auen, D. R. Ewalt, J. Marquardt, J. W. Mertins, J. B. Payeur, D. A. Saari, P. Schladweiler, E. J. Sheehan, and D. Worley. 1997. Survey of free-ranging elk from Wyoming and Montana for selected pathogens. *J. Wildl. Diseases* 33:290-298.
- Samuel, M. D., E. O. Garton, M. W. Schlegel, and R. G. Carson. 1987. Visibility bias during aerial surveys of elk in northcentral Idaho. *J. Wildl. Manage.* 51:622-630.
- Sime, C. 2003. Final environmental impact statement – Montana gray wolf conservation and management plan. Montana Fish, Wildlife and Parks, Helena.
- Simmons, C. A. 1974. Seasonal range use and migration patterns of elk using various portions of the lower South Fork, Flathead River, winter range. Thesis, Univ. of Montana, Missoula.
- Singer, F. J. and E. O. Garton. 1994. Elk sightability model for the supercub. Pp 47-49 *in* J. W. Unsworth, F. A. Leban, D. J. Leptich, and E. O. Garton, eds. Aerial survey: user's manual with practical tips for designing and conducting aerial big game surveys. Second edition. Idaho Fish and Game Department, Moscow.
- Singer, F. J., A. Harting, K. K. Symonds, and M. B. Coughenour. 1997. Density dependence, compensation, and environmental effects on calf elk mortality in Yellowstone National Park. *J. Wildl. Manage.* 61:12-25.
- Smith, C. S. 1978. Summer-fall movements, migrations, seasonal ranges, and habitat selection of the Middle Fork elk herd. Thesis, Univ. of Montana, Missoula.
- Thomas, J. W. and L. J. Lyon. 1987. Elk: Rocky Mountain majesty. Pp. 145-159 *in* H. Kallman et al. eds., Restoring America's wildlife: 1937-1987. USDI, FWS, Washington, D. C.
- Thompson, S. K. 2002. Browse condition and trend on Montana ungulate ranges. Thesis, Montana State Univ., Bozeman.
- USDI, FWS and Dept. of Commerce, U.S. Census Bureau. 2003. 2001 national survey of fishing, hunting, and wildlife-associated recreation – Montana. Washington, D. C.

- Unsworth, J. W. and L. Kuck. 1991. Bull elk vulnerability in the Clearwater drainage of north-central Idaho. Pp. 85-88 *in* A.G. Christiansen, L. J. Lyon, and T. N. Lonner, comps., Proceedings of the elk vulnerability symposium, Montana State University, Bozeman.
- Unsworth, J. W., L. Kuck, and E. O. Garton. 1990. Elk sightability model validation at National Bison Range, Montana. *Wildl. Soc. Bull.* 18:113-115.
- Unsworth, J. W., L. Kuck, M. D. Scott, and E. O. Garton. 1993. Elk mortality in the Clearwater drainage of northcentral Idaho. *J. Wildl. Manage.* 57:495-502.
- Vore, J. and P. R. Malta. 1994. Hungry Horse habitat mitigation project – 1993 annual report. Montana Fish, Wildlife and Parks, Helena.
- Vore, J. and D. Casey. 2000. Personal communication.
- Weigand, J. P. and R. J. Mackie. 1985. A review of winter feeding of big game animals and potential application in Montana. Montana Fish, Wildlife and Parks, Helena.
- West, R. M. 1941. Elk of the northern Rocky Mountain Region. Field notes on wildlife – Northern Rocky Mountain Region. Volume II, No. 9, USDA Forest Service.
- Wildlife Division - FWP. 2001. Adaptive harvest management. Montana Fish, Wildlife and Parks, Helena.