

Chapter 7.0: References

- AFS (American Fisheries Society). 2002. Rotenone stewardship program, fish management chemicals subcommittee. www.fisheries.org/rotenone/
- Anderson, R.S. 1970. Effects of rotenone on zooplankton communities and a study of their recovery patterns in two mountain lakes in Alberta. *Journal of the Fisheries Research Board of Canada*. Vol 27, no. 8, 1335-1355.
- Berger, B.L. 1966. Antimycin (Fintrol) as a fish toxicant. *Proceedings of the Southeastern Association of Game and Fish Commissioners*, 19(1965): 300-301.
- Bergeron, D. Non-game wildlife biologist, MFWP. Personal Communication, April 24, 2002.
- Bills, T.D., J.J. Rach, and L.L. Marking. 1988. Toxicity of rotenone to developing rainbow trout. *Investigations in fish control, technical report 93*. FWS, National Fisheries Research Center, La Crosse, Wisconsin.
- Black, J.D. and L.O. Williamson. 1947. Artificial hybrids between muskellunge and northern pike. *Wisconsin Academy of Science, Arts, and Letters*.
- Bradbury, A. 1986. Rotenone and trout stocking: a literature review with special reference to Washington Department of Game's lake rehabilitation program. *Fisheries management report 86-2*. Washington Department of Game.
- Brown, C.J.D. and R.C. Ball. 1943. An experiment in the use of derris root (rotenone) on the fish and food organisms of Third Sister Lake. *Transactions of the American Fisheries Society*, Vol 72:267-284.
- Callahan, M.A. and M.T. Huish. 1969. Effects of antimycin on plankton populations and benthic organisms. *Proceedings of the Southeastern Association of Fish and Game Commissioners*. 22(1968): 255-263.
- Campbell, J, and J.O'Neil. 1999. The effects of under-ice air gun seismic activity on fish in Sturgeon Lake, Alberta. RL & L Environmental Services, Edmonton, Alberta, Canada. *Proceedings from the Great Plains Fishery Workers Association annual meeting, Lethbridge, Alberta, Canada*.
- Casey, D. 2002. Biologist, National Bird Conservancy. Personal Communication.
- CDFG (California Department of Fish and Game). 1994. Rotenone use for fisheries management, July 1994, final programmatic environmental impact report. State of California Department of Fish and Game.
- Chandler, J.H. and L.L. Marking. 1982. Toxicity of rotenone to selected aquatic invertebrates and frog larvae. *The progressive fish culturist* 44(2) 78-80.
- Cole, D. N. 1995a. Experimental trampling of vegetation. I. Relationship between trampling intensity and vegetation response. *Journal of Applied Ecology* 32: 203-214.
- Cole, D. N. 1995b. Experimental trampling of vegetation. II. Predictors of resistance and resilience. *Journal of Applied Ecology* 32: 215-224.
- Cook, S.F. and R.L. Moore. 1969. The effects of a rotenone treatment on the insect fauna of a California stream. *Transactions of the American Fisheries Society*, 83 (3):539-544.

- Crossman, E.J. and K. Buss. 1965. Hybridization in the family Esocidae. *Journal of Fisheries research Board of Canada*, 22(5) 1261-1292.
- Cushing, C.E. and J.R. Olive. 1956. Effects of toxaphene and rotenone upon the macroscopic bottom fauna of two northern Colorado reservoirs. *Transactions of the American Fisheries Society*, 86:294-301.
- Davis, Linh. Botanist, FWS. 2003. Personal communication with Colleen Spiering, BPA. December 10.
- Dawson, V.K., W.H. Gingerich, R.A. Davis, and P.A. Gilderhus. 1991. Rotenone persistence in freshwater ponds: effects of temperature and sediment adsorption. *North American Journal of Fisheries Management*, 11:226-231.
- Derse, P.H., and F.M. Strong. 1963. Toxicity of antimycin to fish. *Nature*, vol. 200, no. 4906:600-601.
- Dunshee, B.R., C. Leben, G.W. Keitt, and F.M. Strong. 1949. The isolation properties of antimycin A. *Journal of the American Chemical Society*, 71:2436-2437.
- Engstrom-Heg, R. 1971. Direct measure of potassium permanganate demand and residual potassium permanganate. *New York Fish and Game Journal*, vol. 18, no. 2:117-122.
- Engstrom-Heg, R. 1972. Kinetics of rotenone-potassium permanganate reactions as applied to the protection of trout streams. *New York Fish and Game Journal*, vol. 19, no. 1:47-58.
- Engstrom-Heg, R. 1976. Potassium permanganate demand of a stream bottom. *New York Fish and Game Journal*, vol. 23, no. 2:155-159.
- Federal Register: August 7, 2003 (Volume 68, Number 152)].
- Finlayson, B.J., R.A. Schnick, R.L. Caiteux, L. DeMong, W.D. Horton, W. McClay, C.W. Thompson, and G.J. Tichacek. 2000. Rotenone use in fisheries management: administrative and technical guidelines manual. American Fisheries Society, Bethesda, Maryland.
- Firebaugh, J. 2002. Wildlife Manager, MFWP. Personal Communication.
- Flathead County, Planning and Zoning Office. 2002. About the Flathead Valley. <http://co.flathead.mt.us/frdo/bckgrd.html>
- Fraley, J.J., and B.B. Shepard. 1989. Life history, ecology and population status of migratory bull trout in the Flathead lake and river system, Montana. *Northwest Science*, 63(4) 133-143.
- Fritts, S.H. 1982. Wolf depredation on livestock in Minnesota. USDOJ. Resource Publication 145. 11pp.
- FS. 1999. Amphibian survey of high mountain lakes in the South Fork Flathead River drainage. Unpublished data. Flathead National Forest. Hungry Horse, Montana.
- FS and MFWP. 1995. Fish, Wildlife, and Habitat Management Framework for the BMWC; Memorandum of Understanding and Fish and Wildlife Management Addendum.
- FWS. 2002. Letter to BPA, May 15, 2002.

- FWS, Snake River Basin Office. 1997. Threatened, Endangered, Candidate, and Species of Concern: Biological Information and Guidance.
- FWS. 1996a. Bald Eagle, Fish and Wildlife Information Exchange, data sheet. FWS, Denver, CO. 40 pp.
- FWS. 1996b. Gray Wolf, Fish and Wildlife Information Exchange, data sheet. FWS, Denver, CO. 34 pp.
- FWS. 1993. Grizzly Bear Recovery Plan. FWS, Denver, CO. Pages 1-75.
- Gengerke, T.W. 1985. Tiger muskie in Iowa: a synopsis of information. Regional Fisheries Supervisor.
- Gilderhus, P.A., J.L. Allen, and V.K. Dawson. 1986. Persistence of rotenone in ponds at different temperatures. *North American Journal of Fisheries Management*, 6: 129-130.
- Gilderhus, P.A. 1972. Exposure times necessary for antimycin and rotenone to eliminate certain freshwater fish. *Journal of the Fisheries Research Board of Canada*. Vol 29;2 199-202.
- Gilderhus, P.A., Berger, B.L. and R.E. Lennon. 1969. Field trials of antimycin A as a fish toxicant. *Investigations in fish control* 27. U.S. Fish & Wildlife Service, Fish Control Laboratory, LaCrosse, Wisconsin.
- Gillen, A.L., R.A. Stein, and R.F. Carline. 1981. Predation by pellet-reared tiger muskellunge on minnows and bluegills in experimental systems. *Transactions of the American Fisheries Society*, 110:197-209.
- Gleason, M.N., R.E. Gosselin, H.C. Hodge, and R.P. Smith. 1969. *Clinical toxicology of commercial products: acute poisoning*. 3rd ed.
- Grice, F. 1957. Effect of removal of panfish and trashfish by fyke nets upon fish populations of some Massachusetts ponds. *Progressive Fish Culturist*, 87:108-115.
- Grisak, G. 2003a. Progress report and summary of activities for the Hungry Horse Dam Fisheries Mitigation project July-September 2003. MFWP, Kalispell.
- Grisak, G. 2003b. Reaction of tailed frog tadpoles and tailed frog adults exposed to several concentrations of antimycin, rotenone and potassium permanganate. Draft report. MFWP, Kalispell.
- Grisak, G. 2003c. South Fork Flathead watershed westslope cutthroat trout conservation program. Specialist report for environmental impact statement. MFWP, Kalispell.
- Grisak, G. 2003d. The little airplane that could save a fish species. *Air Fire and Forestry* Vol 1(1) 3F-9F. *in* *Ag Air Update* December 2003 issue Vol 21 (12).
- Grisak, G.G. 2002. Occurrence of amphibians following the application of rotenone piscicide to remove unwanted fish species. Unpublished paper. MFWP, Kalispell, MT.
- Grisak, G.G. 1997. Effect of two electrofishing treatments on eight warm water fish species in Montana. MFWP, Lewistown.
- Grisak, G., G. Michael, J. Cavigli and D. Skaar. 2002. Determination of lethal doses of rotenone and potassium permanganate to westslope cutthroat trout, and ability of

- potassium permanganate to neutralize rotenone in the presence of fish. Draft report. MFWP, Kalispell.
- Grisak, G. G., G. L. Michael, D. Skaar, and B. Marotz. 2004. Laboratory investigations on the toxicity of antimycin A to Columbia spotted frogs and long toed salamanders. Draft report. Montana Fish, Wildlife & Parks, Kalispell.
- Haley, T. 1978. A review of the literature of rotenone. *Journal of Environmental Pathology and Toxicology* 1: 315-337.
- Harada, Y., K. Nakayama, and F. Okamoto. 1959. Antimycin A, an antibiotic substance useful for prevention and treatment of imochiby, a disease of rice. *Chemical Abstracts*, vol. 53 19286-19287.
- Hayes, M.L. 1992. Active capture techniques. In *Fisheries Techniques*. Eds. L.A. Nielson and D.L. Johnson. American Fisheries Society, Bethesda, Maryland.
- Hendee, J. C. and C. P. Dawson. 2002. *Wilderness Management: Stewardship and Protection of Resources and Values*. Fulcrum, Golden Colorado.
- Holm, M.O. 2003. Finding of no significant impact decision document on the environmental assessment to conduct additional administrative helicopter and fixed wing flights in Glacier National Park in 2003. Glacier National Park, West Glacier, Montana.
- Hubert, W.A. 1992. Passive capture techniques. In *Fisheries Techniques*. Eds. L.A. Nielson and D.L. Johnson. American Fisheries Society, Bethesda, Maryland.
- Hughey, R.E. 1975. The effects of fish toxicant antimycin A and rotenone on zooplankton communities in ponds. Masters thesis. University of Missouri, Columbia.
- Huston, J.E. 1998. Swamp-out: a tool for restoring westslope cutthroat in headwater lakes. *Montana Outdoors*, July/August issue of 1998. MFWP, Helena.
- Huston, J.E. 1990. Northwest Montana coldwater stream investigations. Project F-46-R-1. Job Progress Report. MFWP, Kalispell.
- Huston, J.E. 1989. Northwest Montana coldwater stream investigations. Project F-46-R-2, Job Progress Report. MFWP, Kalispell.
- Huston, J.E. 1988. Northwest Montana coldwater stream investigations. Project F-46-R-1. Job Progress Report. MFWP, Kalispell.
- Kiser, R.W., J.R. Donaldson, and P.R. Olson. 1963. The effect of rotenone on zooplankton populations in freshwater lakes. *Transactions of the American Fisheries Society*, 92(1):17-24.
- Knapp, R.A. and K.R. Matthews. 1998. Eradication of nonnative fish by gill netting from a small mountain lake in California. *Restoration Ecology*, vol. 6, 2:207-213.
- Lay, B.A. 1971. Applications for potassium permanganate in fish culture. *Transactions of the American Fisheries Society*, 4:813-816.
- Leary, R. 2002. An evaluation of trout genetic data collected from the South Fork Flathead River drainage and management recommendations for conservation of westslope cutthroat trout. Letter to Westslope Cutthroat Trout Technical Committee, c/o Brad Shepard, MFWP, Bozeman.

- Leben, C. and G.W. Keitt. 1948. An antibiotic substance active against certain phytopathogens. *Phytopathology* vol 38: 899-906.
- Lemm, C.A., and D.V. Rotters. 1986. Growth of tiger muskellunge fed different amounts of protein at three water temperatures. *The Progressive Fish Culturist*, 48:101-106.
- Lennon, R.E. 1970. Fishes in pest situations. P 6-41. In Charles E. Palm (Chairman). *Principles of plant and animal pest control*, Vol 5. *Vertebrate pests: problems and control*. National Academy of Sciences, Washington, D.C.
- Liknes, G. A. 1984. The present status of the westslope cutthroat trout east and west of the continental divide in Montana. Status report. MFWP, Kalispell.
- Mace and Waller. 1997. Spatial and Temporal Interaction of Male and Female Grizzly Bears in Northwestern Montana. *Journal of Wildlife Management*, 61:39-52.
- Mantas, M. Botanist, FWS. 2002. Personal communication with Colleen Spiering, BPA. Feb.14.
- Marking, L.L. and T.D. Bills. 1975. Toxicity of potassium permanganate to fish and its effectiveness in detoxifying antimycin. *Transactions of the American Fisheries Society*, 3:579-583.
- Maxell, B.A. 2002. Amphibian and aquatic reptile inventories in watersheds in the South and Middle Forks of the Flathead River drainage that contain lakes being considered for application of piscicides and subsequent restocking of westslope cutthroat trout. For: FS Region 1 Office, Missoula; MFWP, non-game wildlife program, Helena; and Department of Biology, University of Montana, Missoula.
- Mech, L.D. 1970. *The Wolf: the ecology and behavior of an endangered species*. Doubleday, New York, N.Y. 389 pp.
- Meronek, T.G., P.M. Bouchard, E.R. Buckner, T.M. Burri, K.K. Demmerly, D.C.Hatleli, R.A.Klumb, SH. Schmidt and D.W.Coble. 1996. A review of fish control projects. *North American Journal of Fisheries Management*, 16:63-74.
- MFWP. 1999a. Memorandum of understanding and conservation agreement for westslope cutthroat trout in Montana. MFWP, Helena.
- MFWP. 1996. Assessments of methods for removal or suppression of introduced fish in bull trout recovery. *Montana bull trout scientific group*. For Montana bull trout restoration team, Montana Fish Wildlife & Parks, Helena.
- MFWP. 1991a. Fisheries Management Plan for the South Fork Flathead River Drainage including Hungry Horse Reservoir, and the South Fork Flathead River upstream from Hungry Horse Reservoir, developed by Montana Fish, Wildlife & Parks, U.S. Forest Service, and a Citizen Committee. Approved May 10, 1991 by the Montana Fish, Wildlife & Parks Commission, Montana Fish Wildlife & Parks, Helena.
- MFWP. 1989, 1991, 1993, 1995, 1997, 1999, 2001. *Montana statewide angler pressure*. Bozeman.
- Mitchell, L. 2002. *Revised from J. Munding and T. Everts 1998. A guide to the Montana Environmental Policy Act*. Legislative Environmental Policy Office, Environmental Quality Council, Helena.

- Mitchell, P. and E. Prepas. 1990a. Eds. Lesser Slave Lake in Atlas of Alberta Lakes. University of Alberta Press.
- Mitchell, P. and E. Prepas. 1990b. Eds. Touchwood Lake in Atlas of Alberta Lakes. University of Alberta Press.
- Montana Bald Eagle Working Group. 1994. Montana Bald Eagle Management Plan. Bureau of Reclamation, Billings, MT. 104 pp.
- Parker, B.R., D.W. Schindler, D.B. Donald, and R.S. Anderson. 2001. The effects of stocking and removal of a nonnative salmonid on the plankton of an alpine lake. *Ecosystems* (2001) 4:334-345.
- Parker, R.O. 1970. Surfacing of dead fish following application of rotenone. *Transactions of the American Fisheries Society*, 99 4:805-807.
- Rach, J.J., T.D. Bill, and L.L. Marking. 1988. Acute and chronic toxicity of rotenone to *Daphnia magna*. Investigations in fish control, technical report 92. FWS, National Fisheries Research Laboratories, La Crosse, Wisconsin.
- Reynolds, J.B. 1992. Electrofishing. In *Fisheries Techniques*. Eds. L.A. Nielson and D.L. Johnson. American Fisheries Society, Bethesda, Maryland.
- Ricker, W.E., and J. Gottschalk. 1940. An experiment in removing coarse fish from a lake. *American Fisheries Society*, 70:382-390.
- Riel, A.D. 1965. The control of an overpopulation of yellow perch in Bow Lake, Strafford, New Hampshire. *Progressive Fish Culturist*, 27:37-41.
- Ritter, P.O., and F.M. Strong. 1966. Residues in tissue of fish killed by antimycin. *Journal of Agricultural Food Chemistry*, Vol. 14, no. 4:403-407.
- Romeo, N. 2002. Aquabiotics, personal communication.
- Rose, E.T. and T. Moen. 1952. The increase in game-fish populations in east Okoboji Lake, Iowa, following intensive removal of rough fish. *Transactions of the American Fisheries Society*, 82:104-114.
- Rosenlund, B.D. and D.R. Stevens. 1992. Application of antimycin (Fintrol) to alpine lakes and streams in Rocky Mountain National Park and the headwaters of Leadville National Fish Hatchery to establish populations of greenback and Colorado River cutthroat trout. Draft report. FWS, Leadwood, Colorado, and U.S. National Park Service, Estes Park, Colorado.
- Ruediger, B., J. Claar, S.Gniadek, B. Holt, L. Lewis, S. Mighton, B. Naney, G. Patton, T. Rinaldi, J. Trick, A. Vandehey, F. Wahl, N. Warren, D. Wenger, and A. Williamson. 2000. Canada Lynx Conservation Assessment and Strategy. USDA FS, USDOI Fish and Wildlife Service, USDOI BLM, and USDOI National Park Service. FS Publication #R1-00-53, Missoula, MT. 142 pp.
- Rumsey, S. and J. Cavigli. 2002. Genetic composition of *Oncorhynchus* species downstream from introgressed mountain lake populations in two major drainages of the South Fork Flathead River. Draft report. MFWP, Kalispell.
- Rumsey, S., Cavigli, J. and J Fraley. 1997. Ross and Devine lakes invertebrate and zooplankton results—1994-1996. MFWP, Kalispell.

- Sage, G.K. 1993. Allozymic and parasitic examination of interspecific introgression in *Oncorhynchus* from the South Fork of the Flathead River drainage. Masters thesis. University of Montana, Missoula.
- Schmitz, W.R. and R.E. Hetfeld. 1965. Predation by introduced muskellunge on perch and bass, II: years 8-9. Wisconsin Academy of Sciences, Arts, and Letters, vol. 54:273-282.
- Schnick, R.A. 1974a. A review of the literature on the use of antimycin in fisheries. FWS, Bureau of Sport Fisheries and Wildlife, LaCrosse, Wisconsin.
- Schnick, R.A. 1974b. A review of the literature on the use of rotenone in fisheries. FWS, Bureau of Sport Fisheries and Wildlife, LaCrosse, Wisconsin.
- Schoettger, R.A., and G.E. Svendsen. 1970. Effects of antimycin A on tissue respiration of rainbow trout and channel catfish. Investigations in fish control 39. FWS, Bureau of Sport Fisheries and Wildlife, Washington D.C.
- Scott, W.B. and E.J. Crossman. 1973. Freshwater fishes of Canada. Fisheries Research Board of Canada, Ottawa, Bulletin 184.
- Shepard, B.B., B.E. May, and W. Urie. 2003. Status of Westslope Cutthroat Trout (*Oncorhynchus clarki lewisi*) in the United States: 2002.
- Shepard, B.B., R. Spoon and L. Nelson. 2001. Westslope cutthroat trout restoration in Muskrat Creek, Boulder River drainage, Montana. Progress report for period 1993 to 2000. MFWP, Townsend.
- Shetter, D.S. and G.R. Alexander. 1970. Results of predator reduction on brook trout and brown trout in 4.2 miles of the North Branch of the Au Sable River. Transactions of the American Fisheries Society, 2:312-319.
- Sime, C. 2002. Wildlife Biologist, MFWP. Personal Communication.
- Skaar, D. 2001. A brief summary of the persistence and toxic effects of rotenone. MFWP, Helena.
- Sousa, R.J., F.P. Meyer, and R.A. Schnick. 1991. Better fishing through management; how rotenone is used to help manage our fishery resources more effectively. FWS, Federal aid in sport fish restoration fund, Lacrosse, Wisconsin.
- Spencer, S.L. 1967. Investigations in the use of electricity for thinning overcrowded populations of bluegill. Proceedings of the Annual Conference of the Southeastern Association of Game and Fish Commissioners, 20(1966):423-43.
- Spielman, T. 2003. Aftermath on Lake Christina. *In* Outdoor News the sportsman weekly, New Hope, Minnesota.
- Stefferd, J.A., D.L. Propst, and G.L. Burton. 1992. Use of antimycin to remove rainbow trout from White Creek, New Mexico. Proceedings from the Desert Fish Council, 22.
- Stein, R.A., R.F. Carline, and R.S. Hayward. 1981. Largemouth bass predation on stocked tiger muskellunge. Transactions of the American Fisheries Society, 110:604-612.
- Storck, T.W. and D.L. Newman. 1986. Evaluation of the introduction of tiger muskellunge into impoundments dominated by the bass-bluegill combination, evaluation of a partial creel, and size-specific survival of stocked channel catfish.

- Federal aid project F-40-R. Aquatic biology technical report 1986(4). Illinois Natural History Survey, Aquatic Biology Section, Urbana-Champaign.
- Teixeira, J.R.M., A.J. Lapa, C. Souccar, and J.R. Valle. 1984. Timbós: ichthyotoxic plants used by Brazilian Indians. *Journal of Ethnopharmacology*, 10:311-318.
- Thompson, P.D. and F.J. Rahel. 1998. Evaluation of artificial barriers in small Rocky Mountain streams for preventing upstream movement of brook trout. *North American Journal of Fisheries Management*, 18:206-210.
- Tiffan, K.E. and E.P. Bergersen. 1996. Performance of antimycin in high-gradient streams. *North American Journal of Fisheries Management*, 16:465-468.
- Tomcko, C.M., R.A. Stein, and R.F. Carline. 1984. Predation by tiger muskie on bluegill: effects of predator experience, vegetation and prey density. *Transaction of the American Fisheries Society*, 113:588-594.
- Wahl, D.H., and R.A. Stein. 1993. Comparative population characteristics of muskellunge, northern pike, and their hybrid. *Canadian Journal of Fisheries and Aquatic Sciences*, 50:1961-1968.
- Walker, C.R., R.E. Lennon, and B.L. Berger. 1964. Preliminary observations on the toxicity of antimycin A to fish and other aquatic animals. Investigations in fish control 2. FWS, Bureau of Sport Fisheries and Wildlife. Circular 186, Washington D.C.
- Waller and Mace. 1997. Grizzly Bear Habitat Selection in the Swan Mountains, Montana. *Journal of Wildlife Management*. 64(4):00.00.
- Warnick, D.C. 1977. Commercial fishing or rough fish control in South Dakota, some reviews and apparent values. South Dakota Department of Game, Fish and Parks. Project no. 1-84-D, bulletin number 7, Pierre.
- Weithman, S.A. and R.O. Anderson. 1977. Survival, growth, and prey of Esocidae in experimental systems. *Transaction of the American Fisheries Society*, vol. 106, no. 5.
- YCR (Yellowstone Center for Resources). 2001. Conservation of Yellowstone cutthroat trout by lake trout removal. Annual report. National Park Service, Mammoth Hot Springs, Wyoming, YCR-AR-2001.
- Young, S. 1944. The Wolves of North America, Part I, their history, habits, economic status, and control. The American Wildlife Institute, Washington, D.C. 386 pp.