

Fish and Wildlife Reference Service Newsletter

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Trapping and Furbearer Management

Recently, Cooperators in the state wildlife agencies of **Connecticut, Indiana, and Wisconsin** participated in a project to determine attitudes and awareness of furbearer management issues, and to develop tools for more effective communication on these issues. This project, directed by the **International Association of Fish and Wildlife Agencies**, was funded under a Federal Aid Administrative Grant from the **U.S. Fish and Wildlife Service**. The project focused on outreach and education with regard to regulated trapping and furbearer management in the United States, and produced two reports that are listed in this FWRS newsletter: Report #44 - ***Furbearer Management Outreach Project: Pilot States Report***; and Report #45 - ***Attitudes toward and Awareness of Trapping Issues in Connecticut, Indiana and Wisconsin***. These two reports, a brochure, fact sheets and other materials have been placed onto a **CD** that is available from the Reference Service (*see "Trapping CD" on the Readers Service Slip*).

As part of this project, standardized survey methods were developed to provide interested parties with a tool to obtain comparable human dimensions data on furbearer management issues. Survey results indicated that participating pilot state residents consider state wildlife agency personnel to be the most credible, nonbiased source for information about regulated trapping and its role in wildlife management. Furthermore, respondents generally supported the use of regulated trapping in wildlife management programs. **Report #45** (in this listing and provided on the CD) **details the results from this survey**.

The brochure, entitled ***"Trapping in the 21st Century"***, contains factual information about regulated trapping, a description of the national program to develop best management practices for trapping. It also contains customizable inserts that explain how regulated trapping is used in wildlife restoration programs, for endangered species protection, and as a technique to minimize human/wildlife conflicts. (The print files for the brochure are provided on the CD.)

Two videos were also developed for general audiences, ages 12 and above: ***"Trapping Matters"***, a nine-minute video that is intended for use in hunter education programs; and ***"Regulated Trapping and Furbearer Management in the United States"***, a 15-minute video that features interviews with state wildlife agency experts and members of the general public. **Report #44** (in this listing and provided on the CD) **contains a description of how these videos were incorporated into state wildlife agency programs. Order forms for these videos are provided on the CD.**

The goal of this project was to effectively communicate the benefits of regulated trapping and the efforts to improve trapping as a wildlife management technique to a variety of audiences using team-oriented strategies. The pilot project materials provide an excellent starting point for communication efforts related to this important wildlife management issue.

NEW REPORTS

MAMMALS



1. **Control of Ungulate Numbers in a Protected Area.** Gogan, P.J.P.; Barrett, R.H.; Shook, W.W.; Kucera, T.E. *Wildl. Soc. Bull.* 2001. pp. 1075-1088 (14 pp.). Vol. 29, No. 4. /1 mf/. MIN 040220156
2. **Comparison of 4 Methods to Reduce White-tailed Deer Abundance in an Urban Community.** Doerr, M.L.; McAninch, J.B.; Wiggers, E.P. *Wildl. Soc. Bul.* 2001. pp. 1105-1113 (9 pp.). Vol. 29, No. 4. /1 mf/. MIN 220220157
3. **Effects of Hunting Regulations on Bull Elk Survival and Age Structure.** Biederbeck, H.H.; Boulay, M.C.; Jackson, D.H. *Wildl. Soc. Bull.* 2001. pp. 1271-1277 (7 pp.). Vol. 29, No. 4. /1 mf/. MIN 360220158
4. **Behavioral and Ecological Effects of Differential Predation Pressure on Moose in Alaska.** White, K.S.; Testa, J.W.; Berger, J. *J. of Mammal.* 2001. pp. 422-429 (8 pp.). Vol. 82, No. 2. /1 mf/. MIN 500220159
5. **Mule Deer Demographic Responses to Select Climatic Variables in Arizona.** Wakeling, B.F. In: *Proc. of the 5th Biennial Conf. of Research on the Colorado Plateau.* 2001. pp. 73-82 (10 pp.). Vol. 5. /1 mf/. MIN 020220160
6. **Blood Chemistry and Trace Mineral Reference Values for California Bighorn Sheep in Oregon.** Whittaker, D.G.; Lemos, J.C.; Clark, T.R. In: *Proc. 12th Biennial Symp. Northern Wild Sheep and Goat Council.* 2000. pp. 54-67 (14 pp.). Vol. 12. /1 mf/. MIN 360220161
7. **Winter Severity and Wolf Predation on a Formerly Wolf-free Elk Herd.** Mech, L.D.; Smith, D.W.; Murphy, K.M.; MacNulty, D.R. *J. of Wildl. Manage.* 2001. pp. 998-1003 (6 pp.). Vol. 65, No. 4. /1 mf/. MIN 490220162
8. **Swift Fox Survival and Production in Southeastern Wyoming.** Olson, T.L.; Lindzey, F.G. *J. of Mammal.* 2002. pp. 199-206 (8 pp.). Vol. 83, No. 1. /1 mf/. MIN 490220163
9. **Temporospatial Distributions of Elk, Mule Deer, and Cattle: Resource Partitioning and Competitive Displacement.** Stewart, K.M.; Bowyer, R.T.; Kie, J.G.; Cimon, N.J.; Johnson, B.K. *J. of Mammal.* 2002. pp. 229-244 (16 pp.). Vol. 83, No. 1. /1 mf/. MIN 800220164
10. **GIS-based Habitat Models for Mountain Goats.** Gross, J.E.; Kneeland, M.C.; Reed, D.F.; Reich, R.M. *J. of Mammal.* 2002. pp. 218-228 (11 pp.). Vol. 83, No. 1. /1 mf/. MIN 050220165
11. **Endangered Species: Population Status, Population Viability, and Habitat Use of Swift Fox in New Mexico.** Schmitt, C.G. *NM Dept. of Game & Fish. Final Report.* 2001. 82 pp. /1 mf/. MIN 300280048
12. **Sources and Patterns of Black Bear Mortality in Louisiana.** Pace, R.M.; Anderson, D.R.; Shively, S. *SE Assoc. of Fish & Wildl. Agencies. In: Proc. 54th Ann. Conf. SEAFWA.* 2000. pp. 365-373 (9 pp.). Vol. 54. /1 mf/. MIN 170220168

FISHES



13. **Abundance, Spatial Distribution, and Mortality of Young-of-the-Year Spotted Seatrout (*Cynoscion nebulosus*) along the Gulf Coast of Florida.** Nelson, G.A.; Leffler, D. *Gulf of Mexico Science.* 2001. pp. 30-42 (13 pp.). Vol. 19, No. 1. /1 mf/. MIN 090210100
14. **Estimating Proportion Mature at Age When Immature Fish are Unavailable for Study, with Application to American Shad in the York River, Virginia.** Maki, K.L.; Hoenig, J.M.; Olney, J.E. *N. Am. J. of Fish. Manage.* 2001. pp. 703-716 (14 pp.). Vol. 21. /1 mf/. MIN 450210101
15. **Comparison of Angler and Cormorant Harvest of Walleye and Yellow Perch in Oneida Lake, New York.** Vande Valk, A.J., et al. *Trans. Amer. Fish. Soc.* 2002. pp. 27-39 (13 pp.). Vol. 131. /1 mf/. MIN 310210102
16. **Temperature Effects of Dams on Coldwater Fish and Macroinvertebrate Communities in Michigan.** Lessard, J.L. *MI DNR. M.S. Thesis. MI State Univ. Fish. Res. Report* 2058. 2001. 144 pp. /2 mf/. MIN 210240017
17. **Spatial Habitat Influences on Inshore Fish Communities in a Selected Minnesota Ecological Lake Class.** Cross, T.K.; McInerney, M.C. *MN DNR. Div. of Fish. Invest. Report* 494. 2001. 64 pp. /1 mf/. MIN 220240018
18. **A Comparison of Gill Netting and Electrofishing as Sampling Techniques for White Bass in Missouri's Large Reservoirs.** Colvin, M.A. *MO Dept. of Conserv. Final Report.* 2001. 30 pp. /1 mf/. MIN 240240019
19. **Population Dynamics of Juvenile Steelhead and Coho Salmon in Michigan's Lake Superior Tributaries, 1982-97.** Peck, J.W. *MI DNR. Fish. Res. Report* 2057. 2001. 34 pp. /1 mf/. MIN 210240020
20. **Strategic Plan for Salmon Research in the Kuskokwim River Drainage.** Merritt, M.F. *AK Dept. Fish & Game. Spec. Pub. No. 01-07.* 2001. 48 pp. /1 mf/. MIN 500240021
21. **Studies of Topeka Shiner (*Notropis topeka*) Life History and Distribution in Minnesota.** Dahle, S.P. *M.S. Thesis. Univ. of MN.* 2001. 72 pp. /1 mf/. MIN 220250001
22. **Relations between Angler Harvest, Effort, and Abundance of Fishes in Escanaba Lake, Wisconsin.** Gauthier, K.J. *M.S. Thesis. Univ. of WI-Stevens Point.* 2001. 98 pp. /1 mf/. MIN 480250002
23. **A Quantitative Assessment of Spawning Habitat for Smallmouth Bass (*Micropterus dolomieu dolomieu*) in Northern Wisconsin Lakes.** Short, P. *M.S. Thesis. Univ. of WI-Stevens Point.* 2001. 98 pp. /1 mf/. MIN 480250003
24. **Local and Systemic Controls on Fish and Fish Habitat in South Dakota Rivers and Streams: Implications for Management.** Milewski, C.L. *Ph.D. Dissert. SD State Univ.* 2001. 200 pp. /3 mf/. MIN 400250004

BIRDS



25. **Survival of Game Farm, F1-Wild Progeny, and Wild-relocated Northern Bobwhites Using Two Release Methods.** Fies, M.L.; Fischer, J.E.; Steffen, D.E. SE Assoc. of Fish & Wildl. Agencies. In: Proc. 54th Ann. Conf. SEAFWA. 2000. pp. 350-364 (15 pp.). Vol. 54. /1 mf/. MIN 450220167

26. **Band Recovery and Recapture Rates of American Black Ducks and Mallards.** Robb, J.R. J. of Wildl. Manage. 2002. pp. 153-161 (9 pp.). Vol. 66, No. 1. /1 mf/. MIN 800220166

27. **A Comparison of Raptor Densities and Habitat Use in Kansas Cropland and Rangeland Ecosystems.** Williams, C.K., et al. J. of Raptor Res. 2000. pp. 203-209 (7 pp.). Vol. 34, No. 3. /1 mf/. MIN 150220169

28. **Impact of the Conservation Reserve Program on Duck Recruitment in the U.S. Prairie Pothole Region.** Reynolds, R.E., et al. J. of Wildl. Manage. 2001. pp. 765-780 (16 pp.). Vol. 65, No. 4. /1 mf/. MIN 800220170

29. **Depredation Patterns of Northern Bobwhite Nest Predators in Virginia.** Fies, M.L.; Puckett, K.M. In: Quail IV: Proc. of the 4th Nat. Quail Symp. 2000. pp. 96-102 (7 pp.) /1 mf/. MIN 450220171

30. **Ecology of the Wild Turkey in the Missouri Ozarks: Population Dynamics of Wild Turkeys in the Missouri Ozarks.** Hubbard, M.W. MO Dept. of Conserv. Final Report. 2001. 52 pp. /1 mf/. MIN 240280049

31. **Bobwhite Ecology Reseach.** Applegate, R.D. KS Dept. of Wildl. & Parks. Final Report. M.S. Thesis. Univ. of WI-Madison. 2001. 152 pp. /2 mf/. MIN 150230002

32. **Cooperative Wildlife Projects - Intensive Research Project from Auburn University: Survival and Habitat Use of Pre-Breeding and Breeding Wood Ducks.** Folk, T.H.; Hartke, K.M.; Hepp, G.R. AL Div. of Wildl. & Freshwater Fisheries. Final Report. 2001. 82 pp. /1 mf/. MIN 800230003

33. **Survival, Recruitment, and Management of Box-nesting Populations of Wood Ducks in Alabama and Mississippi.** Kaminski, R.M.; Leopold, B.D.; Davis, J.B. AL Dept. of Conserv. & Nat. Res. Completion Report. 2001. 154 pp. /2 mf/. MIN 800230004

RECOVERY PLANS



34. **Hine's Emerald Dragonfly (Somatochlora hineana Williamson) Recovery Plan.** Zercher, D. USFWS. 2001. 130 pp. /2 mf/. MIN 800280017

REPTILES



35. **Diversity and Structure of Turtle Assemblages: Associations with Wetland Characters Across a Floodplain Landscape.** Bodie, J.R.; Semlitsch, R.D.; Renken, R.B. ECOGEOGRAPHY. 2000. pp. 444-456 (13 pp.). Vol. 23, No. 4. /1 mf/. MIN 240220172

36. **Spatial and Temporal Use of Floodplain Habitats by Lentic and Lotic Species of Aquatic Turtles.** Bodie, J.R.; Semlitsch,

R.D. Oecologia. 2000. pp. 138-146 (9 pp.). Vol. 122. /1 mf/. MIN 240220173

37. **Wetland Ecology Studies in the Missouri River Floodplain. Herpetofaunal Communities of Missouri River Floodplain Wetlands: Dynamics of Prey for Riverine Birds and Mammals.** Renken, R.B.; Bodie, J.R. MO Dept. of Conserv. Final Report. 2001. 50 pp. /1 mf/. MIN 240230006

38. **Population Trends and Nesting Distribution of Loggerhead Turtle (Caretta caretta) in South Carolina 1980-1997.** Hopkins-Murphy, S.R., et al. SC DNR. Final Report. 2001. 48 pp. /1 mf/. MIN 390280052

GENERAL



39. **Conversion of Tall Fescue Pastures to Tallgrass Prairie in Southeastern Kansas: Small Mammal Responses.** Rucker, A.D. KS Dept. of Wildl. & Parks. Final Report. M.S. Thesis. KS State Univ. 2001. 68 pp. /1 mf/. MIN 150230005

40. **A Framework for Ecological Decision Support Systems: Building the Right Systems and Building the Systems Right.** D'Erchia, F., et al. USGS. Infor. & Tech. Report USGS/BDR/ITR-2001-0002. 2001. 58 pp. /1 mf/. MIN 800280050

41. **Wetland Restoration in the Prairie Pothole Region of North America: A Literature Review.** Knutsen, G.A.; Euliss, N.H. USGS. Biol. Sci. Report USGS/BRD/BSR-2001-0006. 2001. 66 pp. /1 mf/. MIN 800280051

HUMAN DIMENSIONS



42. **Wildlife Stakeholder Acceptance Capacity for Black Bears, Beavers, and Other Beasts in the East.** Organ, J.F.; Ellingwood, M.R. Human Dimens. of Wildlife. 2000. pp. 63-75 (13 pp.). Vol. 5. /1 mf/. MIN 800220174

43. **Learning to Collaborate for Natural Resource Management: A Summary of Key Findings.** Schusler, T.M.; Decker, D.J. Cornell Univ., Human Dimens. Res. Unit. HDRU Series No. 01- 11. 2001. 34 pp. /1 mf/. MIN 310280053

44. **Furbearer Management Outreach Project: Pilot States Report.** IAFWA. 2001. 200 pp. /2 mf/. MIN 800280054

45. **Attitudes toward and Awareness of Trapping Issues in Connecticut, Indiana and Wisconsin.** Duda, M., et al. IAFWA. Conducted by Responsive Management. 2001. 292 pp. /3 mf/. MIN 800280055

46. **Survey of Kansas Wild Turkey Hunters: Experiences, Opinions, and Satisfactions.** Van Why, K.R.; Applegate, R.D.; Cable, T.T.; Gipson, P.S. KS State Univ. Agric. Exper. Sta. and Coop. Exten. Service. Report of Progress 874. 2001. 28 pp. /1 mf/. MIN 150280056

47. **Contributions of Hunting to North American Society and Culture.** Seng, P.T., et al. In: Trans. 66th N. Amer. Wildl. & Nat. Res. Conf. 2001. pp. 202-231. /1 mf/. MIN 800220175

48. **Why People Hunt: A Theoretical Framework.** Benson, D.E.; Decker, D.J. In: Trans. 66th N. Amer. Wildl. & Nat. Res. Conf. 2001. 14 pp. /1 mf/. MIN 800220176

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BULLETIN BOARD


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Instream Flows for Riverine Resource Stewardship, a book by the Instream Flow Council. **Cost: \$40.00 (plus \$6.50 shipping/handling).** Book may be ordered via the Council's website at www.instreamflowcouncil.org. For more information, contact: Thomas C. Annear, Instream Flow Council, Wyoming Game and Fish Dept., 5400 Bishop Blvd., Cheyenne, WY 82006; (307) 777-4559; E-mail: tom.Annear@wgf.state.wy.us.

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Oak Forest Ecosystems: Ecology and Management for Wildlife, edited by W.J. McShea and W.M. Healy. This volume focuses on the relationship between acorn yield and species of wildlife that depend on it. Factors such as oak distribution, forest fires, tree diseases and pests, acorn production, and dispersal by birds and mammals, are addressed, with special consideration given to the phenomenon of masting. **Cost: \$60.00 (hardcover; ISBN 0-8018-6745-2).** For ordering information, contact: The Johns Hopkins University Press, 2715 North Charles Street, Baltimore, MD 21218-4319; Phone: (410) 516-6900, Fax: (410) 516-6968.

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Legendary Deer Camps, by R. Wegner, offers rare historical paintings and photographs capturing the spirit of long-past deer camps. The reader is taken to famous deer camps of yesterday, exploring the excitement, allure and ambiance of 11 legendary deer camps across the U.S. **Cost: \$34.95. Book may be purchased from major bookstores (ISBN 0-87341-992-8) or directly from the publisher: Krause Publications, Book Dept. PR02, PO Box 5009, Iola, WI 54945-5009; (800) 258-0929 or www.krausebooks.com.**

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News Release: Endangered Songbirds Successfully Released into Wild. For the fourth consecutive year, the Puaiohi, a critically endangered Hawaiian songbird, was successfully released into the Halepaakia drainage of the Alakai Wilderness Area on the Hawaiian Island of Kauai, by biologist from the **Zoological Society of San Diego**. For more information, contact: Zoological Society of San Diego, Public Relations Dept., PO Box 120551, San Diego, CA 92112-0551; phone: (619) 685-3291 or visit www.sandiegozoo.org/pressbox/presskits.html.

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49. **Kullback-Leibler Information in Resolving Natural Resource Conflicts When Definitive Data Exist.** Anderson, D.R., et al. *Wildl. Soc. Bull.* 2001. pp. 1260-1270 (11 pp.). Vol. 29, No. 4. /1 mf/. MIN 800220177

50. **Effects of Fishing Education Programs on Antecedents of Responsible Environmental Behavior.** Siemer, W.F.; Knuth, B.A. *J. of Environ. Ed.* 2001. pp. 23-29 (7 pp.). Vol. 32. /1 mf/. MIN 800210103



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