



## Patuxent Wildlife Research Center

### Patuxent Wildlife Research Center Bibliography as of August 1, 2002

This is a list of publications written by Patuxent employees or contractors since the Center opened in 1939. Since then, the Center has included the following names and groups: Patuxent Wildlife Research Center, 1939-1994 and 1996--Present; Patuxent Environmental Science Center, 1994-1996; Migratory Bird Populations Station, 1961-1973; Migratory Bird and Habitat Research Laboratory, 1973-1982. These groups have also included a number of field stations throughout the United States and Puerto Rico.

Since 1993 Patuxent has acquired several additional field stations. The new field stations include six former National Park Service Cooperative Units and a group housed at the Smithsonian National Museum of Natural History. This latter group has a long history dating back to 1885; their former names include Bird and Mammal Laboratory, 1958-1973, and National Fish and Wildlife Laboratory, 1973-1981. In 1996 the Bird Banding Laboratory joined us. It was formerly part of the Office of Migratory Bird Management from 1973 to 1996. We have included the publication lists of these groups for the current staff members that have now joined Patuxent.

A wide range of publications are represented here, including whole books, journal and magazine articles, series publications, and pamphlets. In most cases, these publications discuss scientific research, but some are book reviews or short observation notes. This list exceeds 5,800 items, and is updated periodically. The list is sorted first by year, with the most recent year at the beginning to facilitate finding the most recent publications we have done. Each year is then sorted alphabetically by author. The results of any search you run will be sorted in this manner.

#### Publications:

- Blums, P., J. D. Nichols, and J. E. Hines. 2002. Sources of variation in survival and breeding site fidelity in three species of European ducks. *Journal of Animal Ecology* 71:438-450. *KW:* birds/ waterfowl/ Anseriformes/ ducks/ survival/ reproduction/ Europe
- Cam, E., B. Cadiou, and J. E. Hines. 2002. Influence of behavioural tactics on recruitment and reproductive trajectory in the kittiwake. Pages 163-185 *in* Byron J. T. Morgan and David L. Thomson, guest editors. *Statistical analysis of data from marked bird populations. Journal of Applied Statistics* 29 (1-4). 669 pp. *Library:* MERRIAM QL677.5 .E97 2000 *KW:* birds/ Charadriiformes/ Laridae/ kittiwakes/ age/ reproduction
- Cam, E., W. A. Link, E. G. Cooch, J.-Y. Monnat, and E. Danchin. 2002. Individual covariation in life-history traits: seeing the trees despite the forest. *American Naturalist* 159(1):96-105. *KW:* birds/ Charadriiformes/ Laridae/ Black-legged Kittiwake/ *Rissa tridactyla*/ survival
- Cam, E., J. D. Nichols, J. E. Hines, J. R. Sauer, R. Alpizar-Jara, and C. H. Flather. 2002. Disentangling sampling and ecological explanations underlying species-area

relationships. *Ecology* 83(4):1118-1130. *KW:* capture-recapture/ habitat/ sampling/ population studies

Cam, E., J. D. Nichols, J. R. Sauer, and J. E. Hines. 2002. On the estimation of species richness based on the accumulation of previously unrecorded species. *Ecography* 25(1):102-108. *KW:* population studies/ North American Breeding Bird Survey/ sampling/ species richness

Chalmers, R. J. and S. Droege. 2002. Leaf litter bags as an index to populations of northern two-lined salamanders (*Eurycea bislineata*). *Wildlife Society Bulletin* 30(1):71-74. *KW:* herps/ amphibians/ salamanders/ census-survey methods/ monitoring

Cooch, E. G., E. Cam, and W. A. Link. 2002. Occam's shadow: levels of analysis in evolutionary ecology - where to next? Pages 19-48 in Byron J. T. Morgan and David L. Thomson, guest editors. *Statistical analysis of data from marked bird populations. Journal of Applied Statistics* 29 (1-4). 669 pp. *Library:* MERRIAM QL677.5 .E97 2000 *KW:* estimation/ evolution/ population studies

Dreitz, V. J., J. D. Nichols, J. E. Hines, R. E. Bennetts, W. M. Kitchens, and D. L. Deangelis. 2002. The use of resighting data to estimate the rate of population growth of the snail kite in Florida. Pages 609-623 in Byron J. T. Morgan and David L. Thomson, guest editors. *Statistical analysis of data from marked bird populations. Journal of Applied Statistics* 29 (1-4). 669 pp. *Library:* MERRIAM QL677.5 .E97 2000 *KW:* birds/ Falconiformes/ *Rostrhamus sociabilis*/ Snail Kite/ population studies/ capture-recapture/ Florida

Erwin, R. M., C. J. Conway, and S. W. Hadden. 2002. Species occurrence of marsh birds at Cape Cod National Seashore, Massachusetts. *Northeastern Naturalist* 9(1):1-12. *KW:* birds/ Massachusetts/ census-survey methods

Farnsworth, G. L., K. H. Pollock, J. D. Nichols, T. R. Simons, J. E. Hines, and J. R. Sauer. 2002. A removal model for estimating detection probabilities from point-count surveys. *Auk* 119(2):414-425. *KW:* models/ population studies/ census-survey methods/ birds

Garamszegi, L. Zs., T. Boulinier, A. P. Møller, J. Török, G. Michl, and J. D. Nichols. 2002. The estimation of size and change in composition of avian song repertoires. *Animal Behaviour* 63(3):623-630. *KW:* birds/ behavior/ song

Ginsberg, H. S. 2002. Declining pollinators and natural communities. *RINHewS: Newsletter of the Rhode Island Natural History Survey* 9(1):4-5. *KW:* pollination

Golden, N. H. and B. A. Rattner. 2002. Ranking terrestrial vertebrate species for utility in biomonitoring and vulnerability to environmental contaminants. *Reviews of Environmental Contamination and Toxicology* 176:67-136. *KW:* contaminants/ monitoring

Hahn, D. C. and J. R. O'Connor. 2002. Contrasting determinants of abundance in ancestral and colonized ranges of an invasive brood parasite. Pages 219-228 in J. Michael Scott, Patricia J. Heglund, Michael L. Morrison, Jonathan B. Haufler, and William A. Wall, editors. *Predicting species occurrences : issues of accuracy and scale.* Island Press,

Washington, DC. xvii, 868 pp. *KW:* birds/ brood parasitism/ Passeriformes/ Icteridae/ cowbirds/ North American Breeding Bird Survey/ BBS/ Christmas Bird Count/ Brown-headed Cowbird/ Molothrus ater

- Hines, J. E. and J. D. Nichols. 2002. Investigations of potential bias in the estimation of lambda using Pradel's (1996) model for capture-recapture data. Pages 573-587 in Byron J. T. Morgan and David L. Thomson, guest editors. Statistical analysis of data from marked bird populations. *Journal of Applied Statistics* 29 (1-4). 669 pp. *Library:* MERRIAM QL677.5 .E97 2000 *KW:* population studies/ sampling/ capture-recapture
- Hoffman, D. J. 2002. Role of selenium toxicity and oxidative stress in aquatic birds. *Aquatic Toxicology* 57(1):11-26. *KW:* contaminants/ birds/ waterbirds/ selenium/ liver/ California
- Hoffman, D. J., C. M. Marn, K. C. Marois, E. Sproul, M. Dunne, and J. P. Skorupa. 2002. Sublethal effects in Avocet and Stilt hatchlings from selenium-contaminated sites. *Environmental Toxicology and Chemistry* 21(3):561-566. *KW:* contaminants/ birds/ waterbirds/ selenium/ California/ liver/ embryos/ toxicology
- Jennelle, C. S., M. C. Runge, and D. I. MacKenzie. 2002. The use of photographic rates to estimate densities of tigers and other cryptic mammals: a comment on misleading conclusions. *Animal Conservation* 5(2):119-120. *KW:* mammals/ carnivores/ Felidae/ tigers/ population studies/ census-survey methods
- Johnson, F. A., W. L. Kendall, and J. A. Dubovsky. 2002. Conditions and limitations on learning in the adaptive management of mallard harvests. *Wildlife Society Bulletin* 30(1):176-185. *KW:* Anseriformes/ Mallard/ Anas platyrhynchos/ waterfowl/ birds/ ducks/ models/ mortality/ hunting/ reproduction/ population studies/ survival/ adaptive harvest management
- Karanth, K. U., N. S. Kumar, and J. D. Nichols. 2002. Field surveys: Estimating absolute densities of tigers using capture-recapture sampling. Pages 139-152 in K. Ullas Karanth and James D. Nichols, editors. *Monitoring tigers and their prey: A manual for wildlife researchers, managers and conservationists in tropical Asia*. Centre for Wildlife Studies, Bangalore, India. xv, 193 pp. *KW:* mammals/ carnivores/ Felidae/ tigers/ population studies/ census-survey methods/ capture-recapture
- Karanth, K. U. and J. D. Nichols, editors. 2002. *Monitoring tigers and their prey: A manual for wildlife researchers, managers and conservationists in tropical Asia*. Centre for Wildlife Studies, Bangalore, India. xv, 193 pp. *KW:* mammals/ carnivores/ Felidae/ tigers/ population studies/ census-survey methods/ capture-recapture
- Karanth, K. U. and J. D. Nichols. 2002. Monitoring tiger populations: Why use capture-recapture sampling? Pages 153-166 in K. Ullas Karanth and James D. Nichols, editors. *Monitoring tigers and their prey: A manual for wildlife researchers, managers and conservationists in tropical Asia*. Centre for Wildlife Studies, Bangalore, India. xv, 193 pp. *KW:* mammals/ carnivores/ Felidae/ tigers/ population studies/ census-survey methods/ capture-recapture
- Karanth, K. U., J. D. Nichols, P. K. Sen, and V. Rishi. 2002. *Monitoring tigers and prey:*

conservation needs and managerial constraints. Pages 1-8 in K. Ullas Karanth and James D. Nichols, editors. *Monitoring tigers and their prey: A manual for wildlife researchers, managers and conservationists in tropical Asia*. Centre for Wildlife Studies, Bangalore, India. xv, 193 pp. *KW*: mammals/ carnivores/ Felidae/ tigers/ population studies/ census-survey methods/ capture-recapture

- Kendall, W. L. and W. R. Gould. 2002. An appeal to undergraduate wildlife programs: send scientists to learn statistics. *Wildlife Society Bulletin* 30(2):623-627. *KW*: biometrics/ statistics/ education
- Kéry, M. 2002. Inferring the absence of a species -- a case study of snakes. *Journal of Wildlife Management* 66(2):330-338. *KW*: herps / reptiles/ snakes/ population studies/ census-survey methods/ models
- Knoff, A. J., S. A. Macko, R. M. Erwin, and K. M. Brown. 2002. Stable isotope analysis of temporal variation in the diets of pre-fledged Laughing Gulls. *Waterbirds* 25(3):142-148. *KW*: birds/ food/ gulls/ Laughing Gull/ Laridae/ Charadriiformes
- Lang, J. D., L. A. Powell, D. G. Krementz, and M. J. Conroy. 2002. Wood Thrush movements and habitat use: effects of forest management for Red-cockaded Woodpeckers. *Auk* 119(1):109-124. *KW*: birds/ Georgia/ Piciformes/ Red-cockaded Woodpecker/ woodpeckers/ Passeriformes/ Turdidae/ Wood Thrush/ *Hylocichla mustelina*
- Link, W. A., E. Cam, J. D. Nichols, and E. G. Cooch. 2002. Of *BUGS* and birds: Markov Chain Monte Carlo for hierarchical modeling in wildlife research. *Journal of Wildlife Management* 66(2):277-291. *KW*: birds/ Charadriiformes/ Laridae/ kittiwakes/ statistics/ Bayes estimation/ Markovian
- Link, W. A., E. G. Cooch, and E. Cam. 2002. Model-based estimation of individual fitness. Pages 207-224 in Byron J. T. Morgan and David L. Thomson, guest editors. *Statistical analysis of data from marked bird populations*. *Journal of Applied Statistics* 29 (1-4). 669 pp. *Library*: MERRIAM QL677.5 .E97 2000 *KW*: birds/ Charadriiformes/ Laridae/ kittiwakes/ statistics/ Bayes estimation/ France
- Mech, L. D. and N. E. Federoff. 2002. Alpha1-antitrypsin polymorphism and systematics of eastern North American wolves. *Canadian Journal of Zoology* 80(5):961-963. *KW*: mammals/ wolves/ *Canis lupus*
- Nichols, J. D. 2002. Discussion comments on: 'Occam's shadow: levels of analysis in evolutionary ecology - where to next?' by Cooch, Cam and Link. Pages 49-52 in Byron J. T. Morgan and David L. Thomson, guest editors. *Statistical analysis of data from marked bird populations*. *Journal of Applied Statistics* 29 (1-4). 669 pp. *Library*: MERRIAM QL677.5 .E97 2000 *KW*: birds/ population studies/ band recovery/ statistics
- Nichols, J. D. and J. E. Hines. 2002. Approaches for the direct estimation of lambda, and demographic contributions to lambda, using capture-recapture data. Pages 539-568 in Byron J. T. Morgan and David L. Thomson, guest editors. *Statistical analysis of data from marked bird populations*. *Journal of Applied Statistics* 29 (1-4). 669 pp. *Library*: MERRIAM QL677.5 .E97 2000 *KW*: population studies/ statistics/ capture-recapture

- Nichols, J. D. and K. U. Karanth. 2002. Population monitoring: a conceptual framework. Pages 23-28 in K. Ullas Karanth and James D. Nichols, editors. *Monitoring tigers and their prey: A manual for wildlife researchers, managers and conservationists in tropical Asia*. Centre for Wildlife Studies, Bangalore, India. xv, 193 pp. *KW*: mammals/ carnivores/ Felidae/ tigers/ population studies/ census-survey methods/ capture-recapture
- Nichols, J. D. and K. U. Karanth. 2002. Statistical concepts: Assessing spatial distributions. Pages 29-38 in K. Ullas Karanth and James D. Nichols, editors. *Monitoring tigers and their prey: A manual for wildlife researchers, managers and conservationists in tropical Asia*. Centre for Wildlife Studies, Bangalore, India. xv, 193 pp. *KW*: mammals/ carnivores/ Felidae/ tigers/ population studies/ census-survey methods/ capture-recapture
- Nichols, J. D. and K. U. Karanth. 2002. Statistical concepts: Indices of relative abundance. Pages 61-69 in K. Ullas Karanth and James D. Nichols, editors. *Monitoring tigers and their prey: A manual for wildlife researchers, managers and conservationists in tropical Asia*. Centre for Wildlife Studies, Bangalore, India. xv, 193 pp. *KW*: mammals/ carnivores/ Felidae/ tigers/ population studies/ census-survey methods/ capture-recapture
- Nichols, J. D. and K. U. Karanth. 2002. Statistical concepts: Estimating absolute densities of tigers using capture-recapture sampling. Pages 121-137 in K. Ullas Karanth and James D. Nichols, editors. *Monitoring tigers and their prey: A manual for wildlife researchers, managers and conservationists in tropical Asia*. Centre for Wildlife Studies, Bangalore, India. xv, 193 pp. *KW*: mammals/ carnivores/ Felidae/ tigers/ population studies/ census-survey methods/ capture-recapture
- Nisbet, I. C. T. and E. Cam. 2002. Test for age-specificity in survival of the common tern. Pages 65-83 in Byron J. T. Morgan and David L. Thomson, guest editors. *Statistical analysis of data from marked bird populations*. *Journal of Applied Statistics* 29 (1-4). 669 pp. *Library*: MERRIAM QL677.5 .E97 2000 *KW*: birds/ terns/ Laridae/ Charadriiformes/ Common Tern/ age/ *Sterna hirundo*
- Perry, M. C. 2002. Tracking surf scoters. *Birdscapes Spring-Summer*:21. *KW*: birds/ Anseriformes/ waterfowl/ ducks/ scoters/ migration
- Pollock, K. H., J. D. Nichols, T. R. Simons, G. L. Farnsworth, L. L. Bailey, and J. R. Sauer. 2002. Large scale wildlife monitoring studies: statistical methods for design and analysis. *Environmetrics* 13:105-119. *KW*: monitoring/ sampling/ capture-recapture/ statistics/ population studies
- Royle, J. A. and W. A. Link. 2002. Random effects and shrinkage estimation in capture-recapture models. Pages 329-351 in Byron J. T. Morgan and David L. Thomson, guest editors. *Statistical analysis of data from marked bird populations*. *Journal of Applied Statistics* 29 (1-4). 669 pp. *Library*: MERRIAM QL677.5 .E97 2000 *KW*: capture-recapture/ statistics
- Royle, J. A., W. A. Link, and J. R. Sauer. 2002. Statistical mapping of count survey data. Pages 625-638 in J. Michael Scott, Patricia J. Heglund, Michael L. Morrison, Jonathan

- B. Hauffer, and William A. Wall, editors. Predicting species occurrences : issues of accuracy and scale. Island Press, Washington, DC. xvii, 868 pp. *KW:* statistics/ models/ North American Breeding Bird Survey/ Bayes estimation/ BBS
- Runge, M. C. and F. A. Johnson. 2002. The importance of functional form in optimal control solutions of problems in population dynamics. *Ecology* 83(5):1357-1371. *KW:* population studies/ survival
- Sauer, J. R. 2002. [Book review] *Bird Census Techniques, Second Edition*. (Colin J. Bibby, Neil D. Burgess, David A. Hill, and Simon H. Mustoe. 2000. Academic Press, London, UK. *Condor* 104(3):698-701. *KW:* birds/ census-survey methods/ statistics/ North American Breeding Bird Survey
- Sauer, J. R. and W. A. Link. 2002. Hierarchical modeling of population stability and species group attributes from survey data. *Ecology* 83(6):1743-1751. *KW:* birds/ North American Breeding Bird Survey/ models/ population studies
- Sauer, J. R. and W. A. Link. 2002. Using Christmas Bird Count data in analysis of population change. *American Birds: The 102nd Christmas Bird Count* :10-14. *KW:* birds/ population studies/ Christmas Bird Count/ Bayes estimation
- Sillett, T. S. and R. T. Holmes. 2002. Variation in survivorship of a migratory songbird throughout its annual cycle. *Journal of Animal Ecology* 71:296-308. *KW:* birds/ Passeriformes/ capture-recapture/ survival/ neotropical migrants/ black-throated blue warbler/ *Dendroica caerulescens*
- Simon, J. C., T. K. Pratt, K. E. Berlin, J. R. Kowalsky, S. G. Fancy, and J. S. Hatfield. 2002. Temporal variation in bird counts within a Hawaiian rainforest. *Condor* 104(3):469-481. *KW:* birds/ Passeriformes/ honeycreepers/ Hawaii/ population studies/ census-survey methods
- Spallholz, J. E. and D. J. Hoffman. 2002. Selenium toxicity: cause and effects in aquatic birds. *Aquatic Toxicology* 57(1):27-37. *KW:* contaminants/ birds/ selenium/ California
- Spendelov, J. A., J. D. Nichols, J. E. Hines, J.-D. Lebreton, and R. Pradel. 2002. Modelling postfledging survival and age-specific breeding probabilities in species with delayed maturity: a case study of Roseate Terns at Falkner Island, Connecticut. Pages 385-405 *in* Byron J. T. Morgan and David L. Thomson, guest editors. *Statistical analysis of data from marked bird populations. Journal of Applied Statistics* 29 (1-4). 669 pp. *Library:* MERRIAM QL677.5 .E97 2000 *KW:* birds/ Roseate Tern/ *Sterna dougallii*/ terns/ Laridae/ Charadriiformes/ Connecticut/ reproduction/ survival
- Twedt, D. J. and G. M. Linz. 2002. Morphometric changes in Yellow-headed Blackbirds during summer in central North Dakota. *Western North American Naturalist* 62:39-43. *KW:* birds/ blackbirds/ Passeriformes/ Icteridae/ North Dakota
- Twedt, D. J. and R. R. Wilson. 2002. Supplemental planting of early successional tree species during bottomland hardwood afforestation. Pages 358-364 *in* Kenneth W. Outcalt, editor. *Proceedings of the Eleventh Biennial Southern Silvicultural Research Conference, Knoxville, TN, 20-22 March 2001. General Technical Report SRS-48 U.S.*

Forest Service, Southern Research Station, Ashville, NC. 622 pp. KW: plants/ trees/ forestry

- Weeks, J. M., S. O'Hare, and B. A. Rattner. 2002. Series forward. Page xv in Geoffrey I. Sunahara, Agnes Y. Renoux, Claude Thellen, Connie L. Gaudet, and Adrien Pilon, editors. Environmental Analysis of Contaminated Sites. Ecological and environmental toxicology series John Wiley & Sons, Chichester, UK and New York, NY. xxiii, 465 pp. Library: POLLUTION QH545.A1 E56 2002 KW: contaminants/ soil/ risk assessment
- Williams, B. K., J. D. Nichols, and M. J. Conroy. 2002. Analysis and management of animal populations: Modeling, estimation and decision making. Academic Press, San Diego, CA. xvii, 817 pp. KW: population studies/ models
- Wimer, M. 2002. Data central: putting information where it counts for conservation. Bird Conservation No. 17:4. KW: database
- Winger, P. V. 2002. Toxicological assessment of aquatic ecosystems: application to watercraft contaminants in shallow water environments. Pages 178-190 in Impacts of Motorized Watercraft on Shallow Estuarine and Coastal Marine Environments. Journal of Coastal Research Special Issue 37 KW: contaminants/ water pollution
- Woodman, N. 2002. A new species of small-eared shrew from Colombia and Venezuela (Mammalia: Soricomorpha: Soricidae: Genus *Cryptotis*). Proceedings of the Biological Society of Washington 115(2):249-272. KW: mammals/ Insectivora/ Colombia/ Venezuela/ taxonomy/ shrews
- Albers, P. H., D. J. Hoffman, and I. L. Brisbin, Jr. 2001. Unusual leg malformations in screech owls from a South Carolina Superfund site. Journal of Toxicology and Environmental Health, Part A 63(1):89-99. KW: contaminants/ birds/ South Carolina/ Strigiformes/ owls/ teratogenesis
- Anderson, D. R., W. A. Link, D. H. Johnson, and K. R. Burnham. 2001. Suggestions for presenting the results of data analyses. Journal of Wildlife Management 65(3):373-378. KW: statistics/ publishing
- Augustine, P. C., G. H. Olsen, H. D. Danforth, G. F. Gee, and M. Novilla. 2001. Use of monoclonal antibodies developed against chicken coccidia (*Eimeria*) to study invasion and development of *Eimeria reichenowi* in Florida sandhill cranes (*Grus canadensis*). Journal of Zoo and Wildlife Medicine 32(1):65-70. KW: birds/ disease/ Sandhill Crane/ Gruiformes/ *Grus canadensis*
- Barboza, P. S. and D. G. Jorde. 2001. Intermittent feeding in a migratory omnivore: Digestion and body composition of American Black Duck during autumn. Physiological and Biochemical Zoology 74(2):307-317. KW: birds/ *Anas rubripes*/ American Black Duck/ Anseriformes/ food/ Anatidae/ waterfowl
- Bennetts, R. E., J. D. Nichols, R. Pradel, J.-D. Lebreton, and W. M. Kitchens. 2001. Methods for estimating dispersal probabilities and related parameters using marked animals. Pages 3-17 in Jean Clobert, Etienne Danchin, André A. Dhondt, and James D. Nichols, editors. Dispersal. Oxford University Press, Oxford. 448 pp. KW: capture-recapture/

telemetry/ band recovery

- Berlin, K. E., J. C. Simon, T. K. Pratt, J. R. Kowalsky, and J. S. Hatfield. 2001. `Akohekohe response to flower availability: seasonal abundance, foraging, breeding, and molt. Pages 202-212 in J. M. Scott, S. Conant, and C. van Riper, III, editors. Evolution, ecology, conservation, and management of Hawaiian birds: a vanishing avifauna. Studies in Avian Biology 22 428 pp. KW: birds/ plants/ Hawaii/ Passeriformes/ Fringillidae/ honeycreepers
- Beyer, W. N. 2001. Estimating toxic damage to soil ecosystems from soil organic matter profiles. Ecotoxicology 10(5):273-283. KW: contaminants/ soil/ earthworms/ invertebrates
- Bonine, K. E., G. H. Dayton, and R. E. Jung. 2001. Attempted predation of Couch's spadefoot (*Scaphiopus couchii*) juveniles by ants (*Aphaenogaster cockerelli*). Southwestern Naturalist 46(1):104-106. KW: herps / amphibians/ ants/ invertebrates/ insects
- Boulinier, T., J. D. Nichols, J. E. Hines, J. R. Sauer, C. H. Flather, and K. H. Pollock. 2001. Forest fragmentation and bird community dynamics: inference at regional scales. Ecology 82(4):1159-1169. KW: birds/ capture-recapture/ forest fragmentation/ landscape ecology/ biodiversity
- Brown, K. M., R. M. Erwin, M. E. Richmond, P. A. Buckley, J. T. Tanacredi, and D. Avrin. 2001. Managing birds and controlling aircraft in the Kennedy Airport-Jamaica Bay Wildlife Refuge complex: the need for hard data and soft opinions. Environmental Management 28(2):207-224. KW: birds/ New York/ aircraft/ gulls/ Charadriiformes/ Laughing Gull/ Laridae/ Larus atricilla
- Brown, K. M., J. L. Tims, R. M. Erwin, and M. E. Richmond. 2001. Changes in the nesting populations of colonial waterbirds in Jamaica Bay Wildlife Refuge, New York, 1974-1998. Northeastern Naturalist 8(3):275-292. KW: birds/ New York/ Long Island/ population studies/ Laridae/ gulls/ terns/ Ardeidae
- Carpenter, D. W., R. E. Jung, and J. W. Sites, Jr. 2001. Conservation genetics of the endangered Shenandoah salamander (*Plethodon shenandoah*, Plethodontidae). Animal Conservation 4:111-119. KW: herps / amphibians
- Chen, G., G. F. Gee, J. M. Nicolich, and J. A. Taylor. 2001. The effects of semen collection on fertility in captive, naturally fertile, sandhill cranes. Pages 185-194 in David H. Ellis, editor and Catherine H. Ellis, technical editor Proceedings of the eighth North American crane workshop. North American Crane Working Group, Seattle, Washington. 226 pp. Library: MERRIAM QL696.G84 N67 2000 KW: birds/ cranes/ Gruiformes/ Grus canadensis/ Sandhill Crane/ fertility/ semen
- Clapp, R. B. 2001. Autobiographical notes or fun with field work. Atoll Research Bulletin No. 494:53-78. KW: biologists/ Mexico/ Pacific Ocean/ Hawaii/ museum techniques
- Clobert, J., E. Danchin, A. A. Dhondt, and J. D. Nichols, editors. 2001. Dispersal. Oxford University Press, Oxford. 448 pp. Library: MERRIAM QH543.3 .D57 2001 KW: migration/ dispersal



- Clobert, J., J. O. Wolff, J. D. Nichols, E. Danchin, and A. A. Dhondt. 2001. Introduction. Page xvii-xxi in Jean Clobert, Etienne Danchin, André A. Dhondt, and James D. Nichols, editors. *Dispersal*. Oxford University Press, Oxford. 448 pp. *Library*: MERRIAM QH543.3 .D57 2001 *KW*: population studies/ evolution
- Cocroft, R., V. R. Morales, and R. W. McDiarmid. 2001. *Frogs of Tambopata, Peru*. Macaulay Library of Natural Sounds, Cornell Laboratory of Ornithology, Ithaca, New York. 28 pp. *KW*: herps / amphibians/ frogs/ Peru
- Coffman, C. J., J. D. Nichols, and K. H. Pollock. 2001. Population dynamics of *Microtus pennsylvanicus* in corridor-linked patches. *Oikos* 93:3-21. *KW*: mammals/ capture-recapture/ population studies/ rodents/ *Microtus pennsylvanicus*
- Custer, T. W., C. M. Custer, K. Dickerson, K. Allen, M. J. Melancon, and L. J. Schmidt. 2001. Polycyclic aromatic hydrocarbons, aliphatic hydrocarbons, trace elements and monooxygenase activity in birds nesting on the North Platte River, Casper, Wyoming, USA. *Environmental Toxicology and Chemistry* 20(3):624-631. *KW*: PAHs/ metals/ Passeriformes/ contaminants/ Wyoming/ birds
- Custer, T. W., C. M. Custer, R. K. Hines, K. L. Stromborg, P. D. Allen, M. J. Melancon, and D. S. Henshel. 2001. Organochlorine contaminants and biomarker response in double-crested cormorants nesting in Green Bay and Lake Michigan, Wisconsin, USA. *Archives of Environmental Contamination and Toxicology* 40(1):89-100. *KW*: organochlorine compounds/ contaminants/ Wisconsin/ cormorants/ birds/ Pelecaniformes
- Dawson, D. K., C. S. Robbins, and L. J. Darr. 2001. Effects of urbanization on the distribution of area-sensitive forest birds in Prince George's County, Maryland. Pages 207-213 in Glenn D. Therres, editor. *Conservation of Biological Diversity: A Key to the Restoration of the Chesapeake Bay Ecosystem and Beyond*. Proceedings of a conference held May 10-13, 1998 in Annapolis. Maryland Department of Natural Resources, Annapolis. 344 pp. *KW*: birds/ Maryland/ urban habitat
- Deloria-Sheffield, C. M., K. F. Millenbah, C. I. Bocetti, P. W. Sykes, Jr., and C. B. Kepler. 2001. Kirtland's warbler diet as determined through fecal analysis. *Wilson Bulletin* 113(4):384-387. *KW*: birds/ Passeriformes/ Parulidae/ warblers/ *Dendroica kirtlandii*/ Kirtland's Warbler/ food
- Dessecker, D. R. and D. G. McAuley. 2001. Importance of early successional habitat to ruffed grouse and American woodcock. *Wildlife Society Bulletin* 29(2):456-465. *KW*: birds/ American Woodcock/ Ciconiiformes/ Scolopacidae/ *Scolopax minor*/ Galliformes/ Ruffed grouse/ *Bonasa umbellus*/ forests/ habitat
- Dove, C. J. and S. C. Peurach. 2001. The use of microscopic hair characters to aid in identification of a bat involved in a damaging aircraft strike. *Bat Research News* 42(1):10-11. *KW*: bats/ Chiroptera/ aircraft/ hair
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