

LITERATURE CITED

- AGEE, J. K. 1993. Fire ecology of Pacific Northwest forests. Island Press, Washington, DC.
- AGEE, J. K. 2000. Disturbance ecology of North American boreal forests and associated northern mixed/subalpine forests. Pp. 39–82 in L. F. Ruggiero, K. B. Aubry, S. W. Buskirk, G. M. Koehler, C. J. Krebs, K. S. McKelvey, and R. Squires (editors). Ecology conservation of lynx in the United States. University Press of Colorado, Boulder, CO.
- AGUILAR, R. F., D. P. SHAW, J. P. DUBEY, AND P. REDIG. 1991. *Sarcocystis*-associated encephalitis in an immature Northern Goshawk (*Accipiter gentilis atricapillus*). Journal of Zoo and Wildlife Medicine 22:466–469.
- AKAIKE, H. 1973. Information theory as an extension of the maximum likelihood principle. Pp. 267–281 in B. N. Petrov, and F. Csaki (editors). Second international symposium on information theory. Akademiai Kiado, Budapest, Hungary.
- AKAIKE, H. 1974. A new look at the statistical model identification. IEEE Transactions on Automatic Control 19: 716–723.
- ALASKA DEPARTMENT OF FISH AND GAME DIVISION OF WILDLIFE CONSERVATION. 1993. Ketchikan forest raptor study final report: a summary of survey, radio-telemetry, and other results regarding Goshawk field studies in southeast Alaska. Contract No. 43-0109-0323. USDA Forest Service, Ketchikan Area Wildlife, Fish, and Subsistence Management, Juneau, AK.
- ALBIG, A., AND A. SCHREIBER. 1996. Bestandsentwicklung von Habicht, Sperber und Mäusebussard auf einer Fläche in der Stader Geest (Nord-West-Niedersachsen). Seevögel 17:15–19.
- ALERSTAM, T. 1987. Radar observations of the stoop of the Peregrine Falcon *Falco peregrinus* and the Goshawk *Accipiter gentilis*. Ibis 129:267–273.
- ALLEN, A. W. 1984. Habitat suitability index models: eastern cottontail. USDI Fish and Wildlife Service. FWS/OBS-82/10.66. Washington, DC.
- ALLEN, B. A. 1978. Nesting ecology of the Goshawk in the Adirondacks. M.S. thesis, State University of New York, Syracuse, NY.
- ALLEN, C. D., M. SAVAGE, D. A. FALK, K. F. SUCKLING, T. W. SWETNAM, T. SCHULKE, P. B. STACEY, P. MORGAN, M. HOFFMAN, AND J. T. KLINGEL. 2002. Ecological restoration of southwestern ponderosa pine ecosystems: a broad perspective. Ecological Applications 12: 1418–1433.
- ALLISON, B. 1996. A landscape characterization of nesting Goshawk habitat in northern California using remote sensing and GIS. M.S. thesis, Southern Illinois University, Edwardsville, IL.
- ALLISON, P. D. 1999. Logistic regression using the SAS® system: theory and application. SAS Institute Inc., Cary, NC.
- ALTENKAMP, R. 1997. Forum: Anmerkungen zur Arbeit von O. Krüger & U. Stefener 1996: Vogelwelt 117:1–8. Vogelwelt 118:339–341.
- ALTENKAMP, R. 2002. Bestandsentwicklung, Reproduktion und Brutbiologie einer urbanen Population des Habichts *Accipiter gentilis* (Linné 1758). Diploma thesis, University of Berlin, Berlin, Germany.
- ALTENKAMP, R., AND S. HEROLD. 2001. Habicht (*Accipiter gentilis*). Pp. 175–179 in ABBO. Die Vogelwelt von Brandenburg und Berlin. Verlag Natur & Text, Rangsdorf, Germany.
- ALVERSON, D. R., AND R. NOBLET. 1977. Spring relapse of *Leucocytozoon smithi* (Sporozoa: Leucocytozoidae) in turkeys. Journal of Medical Entomology 14:132–133.
- AMERICAN ORNITHOLOGISTS' UNION. 1998. Check-list of North American birds, 7th edition. American Ornithologists' Union, Washington, DC.
- ANDERSEN, D. E., S. DEStEFANO, M. I. GOLDSTEIN, K. TITUS, D. C. CROCKER-BEDFORD, J. J. KEANE, R. G. ANTHONY, AND R. N. ROSENFELD. 2004. The status of Northern Goshawks in the western United States. Technical Review 04-1, The Wildlife Society, Bethesda, MD.
- ANDERSEN, D. E., S. DEStEFANO, M. I. GOLDSTEIN, K. TITUS, C. CROCKER-BEDFORD, J. J. KEANE, R. G. ANTHONY, AND R. N. ROSENFELD. 2005. Technical review of the status of Northern Goshawks in the western United States. Journal of Raptor Research 39:192–209.
- ANDERSON, D. R., K. P. BURNHAM, AND G. C. WHITE. 1985. Problems in estimating age-specific survival rates from recovery data of birds ringed as young. Journal of Animal Ecology 54:89–98.
- ANDERSON, D. W., AND J. J. HICKEY. 1974. Eggshell changes in raptors from the Baltic region. Oikos 25:395–401.
- ANDERSON, L., C. E. CARLSON, AND R. H. WAKIMOTO. 1987. Forest fire frequency and western spruce budworm outbreaks in western Montana. Forest Ecology and Management 22:251–260.
- ANDERSSON, M., AND R. Å. NORBERG. 1981. Evolution of reversed sexual size dimorphism and role partitioning among predatory birds, with a size scaling of flight performance. Biological Journal of the Linnean Society 15:105–130.
- ANDREN, H. 1994. Effects of habitat fragmentation on birds and mammals in landscapes with different proportion of suitable habitat: review. Oikos 71:355–366.
- ANDREWARTHA, H. G., AND L. C. BIRCH. 1954. The distribution and abundance of animals. University Chicago Press, Chicago, IL.
- ANDREWARTHA, H. G., AND L. C. BIRCH. 1984. The ecological web: more on the distribution and abundance of animals. University of Chicago Press, Chicago, IL.
- ANDRLE, R. F., AND J. R. CARROLL (EDITORS). 1988. The atlas of breeding birds in New York State. Cornell University Press, Ithaca, NY.

- ANGELSTAM, P. 1984. Sexual and seasonal differences in mortality of the Black Grouse *Tetrao tetrix* in boreal Sweden. *Ornis Scandinavica* 15:123–134.
- ANGELSTAM, P., E. LINDSTRÖM, AND P. WIDÉN. 1984. Role of predation in short-term population fluctuations of some birds and mammals in Fennoscandia. *Oecologia* 62:199–208.
- ANONYMOUS. 1989. Goshawk breeding habitat in lowland Britain. *British Birds* 82:56–67.
- ANONYMOUS. 1990. Breeding biology of Goshawks in lowland Britain. *British Birds* 83:527–540.
- ANONYMOUS. 1991a. Birds of the Coconino National Forest: a checklist. U.S. Department of Agriculture. Flagstaff, AZ.
- ANONYMOUS. 1991b. Mammals of the Coconino National Forest: a checklist. U.S. Department of Agriculture. Flagstaff, AZ.
- APAROVA, I. 2003. Nesting of Goshawk in urban forest park. Pp.13–15 in V. P. Belik (editor). *Goshawk: position in ecosystems of Russia*. Materials of the 4th North-Eurasian Conference on Raptors, Penza, Russia. (in Russian).
- APFELBAUM, S. I., AND A. HANEY. 1984. Note on foraging and nesting habitats of Goshawks. *Loon* 56:132–133.
- APFELBAUM, S. I., AND P. SEELBACH. 1983. Nest tree, habitat selection, and productivity of seven North American raptor species based on the Cornell University nest record card program. *Journal of Raptor Research* 17:97–113.
- ARBEITSGRUPPE GREIFVÖGEL NWO. 2002. Ergebnisse einer 30-jährigen Erfassung der Bestandsentwicklung und des Bruterfolgs beim Habicht (*Accipiter gentilis*) in Nordrhein-Westfalen von 1972–2001 (Fortschreibung 1986–2001). *Charadrius* 38:139–154.
- ARCESE, P. 1989. Intrasexual competition, mating system and natal dispersal in Song Sparrows. *Animal Behaviour* 38:958–979.
- ARIZONA GAME AND FISH DEPARTMENT. 1993. Review of US Forest Service strategy for managing Northern Goshawk habitat in the southwestern United States. Arizona Game and Fish Department, Phoenix, AZ.
- ARNTZ, W. 1998. Voedselkeuze van de Havik in het natuurreservaat Salmorth. *De Mourik* 24:22–24.
- AUSTIN, K. K. 1993. Habitat use and home range size of breeding Northern Goshawks in the southern Cascades. M.S. thesis, Oregon State University, Corvallis, OR.
- BAGG, A. C., AND S. A. ELIOT, JR. 1937. Birds of the Connecticut Valley in Massachusetts. Hampshire Bookshop, Northampton, MA.
- BAILEY, A. M., AND R. J. NIEDRACH. 1965. Birds of Colorado. Denver Museum of Natural History, Denver, CO.
- BAILEY, R. G. 1980. Description of the ecoregions of the United States. U.S. Department of Agriculture Miscellaneous Publication 1391, Washington, DC.
- BAKER, J. A., AND R. J. BROOKS. 1981. Distribution patterns of raptors in relation to density of meadow voles. *Condor* 83:42–47.
- BAKER, W. L., AND D. EHLE. 2001. Uncertainty in surface-fire history: the case of ponderosa pine forests in the western United States. *Canadian Journal of Forest Research* 31:1205–1226.
- BAKKER, T. 1996. Haviken in de regio Bergen op Zoom. *Veerkracht* 6:15–17.
- BALBONTÍN, J., V. PENTERIANI, AND M. FERRER. 2003. Variations in the age of mates as an early warning signal of changes in population trends? The case of Bonelli's Eagle in Andalusia. *Biological Conservation* 109:417–423.
- BALDWIN, S. P., AND S. C. KENDEIGH. 1938. Variations in weights of birds. *Auk* 55:416–467.
- BARBOUR, M. G., AND W. D. BILLINGS. 1988. North American terrestrial vegetation. Cambridge University Press, New York, NY.
- BARTELT, P. E. 1977. Management of the American Goshawk in the Black Hills National Forest. M.S. thesis, University of South Dakota, Vermillion, SD.
- BASSETT, R. L., D. A. BOYCE, JR., M. H. REISER, R. T. GRAHAM, AND R. T. REYNOLDS. 1994. Influence of site quality and stand density on goshawk habitat in southwestern forests. *Studies in Avian Biology* 16:41–45.
- BAYARD DE VOLO, S., R. T. REYNOLDS, J. R. TOPINKA, B. MAY, AND M. F. ANTOLIN. 2005. Population genetics and genotyping for mark-recapture studies of Northern Goshawks (*Accipiter gentilis*) on the Kaibab Plateau, Arizona. *Journal of Raptor Research* 39:286–295.
- BECHARD, M. J. 1982. Effect of vegetative cover on foraging site selection by Swainson's Hawk. *Condor* 84:153–159.
- BECKER, T. E. 2000. Habitat selection and ecology of Northern Goshawk in Connecticut. M.S. thesis, Southern Connecticut State University, New Haven, CT.
- BECKER, T. E., AND D. G. SMITH. 2000. Northern Goshawk nesting ecology in Connecticut. *Connecticut Warbler* 20:149–156.
- BEDNAREK, W. 1975. Vergleichende Untersuchungen zur Populationsökologie des Habichts (*Accipiter gentilis*): Habitatbesetzung und Bestandsregulation. *Jahrbuch des Deutschen Falkenordens* 1975:47–53.
- BEDNAREK, W., W. HAUSDORF, U. JÖRISSEN, E. SCHULTE, AND H. WEGENER. 1975. Über die Auswirkungen der chemischen Umweltbelastung auf Greifvögel in zwei Probeflächen Westfalens. *Journal für Ornithologie* 116:181–194.
- BEDNARZ, J. C., AND T. J. HAYDEN. 1991. Skewed brood sex ratio and sex-biased hatching sequence in Harris's Hawks. *American Naturalist* 137:116–132.
- BEDNARZ, J. C., D. KLEM JR., L. J. GOODRICH, AND S. E. SENNER. 1990. Migration counts of raptors at Hawk Mountain, Pennsylvania, as indicators of population trends, 1934–1986. *Auk* 107:96–109.
- BEEBE, F. L. 1974. Goshawk. Pp. 54–63 in F. L. Beebe (editor). *Field studies of the Falconiformes of British Columbia*. Occasional Paper No. 17. British Columbia Provincial Museum, Victoria, BC, Canada.
- BEEBE, F. L. 1976. The Goshawk. Pp. 185–195 in F. L. Beebe, and H. M. Webster (editors). *North American falconry and hunting hawks*, 4th edition. North American Falconry and Hunting Hawks, Denver, CO.

- BEEDY, E. C., AND S. L. GRANHOLM. 1985. Discovering Sierra birds. Yosemite Natural History Association, Yosemite National Park, CA.
- BEERS, T. W., P. E. DRESS, AND L. C. WENSEL. 1966. Aspect transformation in site productivity research. *Journal of Forestry* 64:691–692.
- BEGON, M., J. L. HARPER, AND C. R. TOWNSEND. 1996. Individuals populations and communities. Blackwell Scientific Publications, Boston, MA.
- BEHLE, W. H. 1942. Distribution and variation of the Horned Larks (*Otocoris alpestris*) of western North America. University of California Publications in Zoology 46:205–316.
- BEIER, P., AND J. E. DRENNAN. 1997. Forest structure and prey abundance in foraging areas of Northern Goshawks. *Ecological Applications* 7:564–571.
- BEIER, P., AND J. MASCHINSKI. 2003. Threatened, endangered, and sensitive species. Pp. 306–327 in P. Friedrici (editor). *Ecological restoration of southwestern ponderosa pine forests*. Island Press, Inc., Washington, DC.
- BEISSINGER, S. R. 1995. Modeling extinction in periodic environments: Everglades water levels and Snail Kite population viability. *Ecological Applications* 5: 618–631.
- BELOVSKY, G. E. 1987. Extinction models and mammalian persistence. Pp. 35–57 in M. E. Soulé (editor). *Variable populations for conservation*. Cambridge University Press, Cambridge, UK.
- BENDOCK, T. 1975. Appendix III in J. D. McGowan. Distribution, density and productivity of Goshawks in interior Alaska. Alaska Department of Fish and Game, Juneau, AK.
- BENKMAN, C. W. 1993. Logging, conifers, and the conservation of crossbills. *Conservation Biology* 7:473–479.
- BENNETTS, R. E., AND B. R. McCLELLAND. 1997. Influence of age and prey availability on Bald Eagle foraging behavior in Glacier National Park, Montana. *Wilson Bulletin* 109:393–409.
- BENT, A. C. 1937. Life histories of North American birds of prey. Part 1. U.S. National Museum Bulletin 167. Washington, DC.
- BENT, A. C. 1938. Life histories of North American birds of prey, Part 2. U.S. National Museum Bulletin 168. Washington, DC.
- BENT, A. C. 1939. Life histories of North American woodpeckers. U.S. National Museum, Bulletin 174. Washington, DC.
- BENT, A. C. 1946. Life histories of North American jays, crows and titmice. U.S. National Museum, Bulletin 191. Washington, DC.
- BENZINGER, J. B. 1994. Hemlock decline and breeding birds. I. hemlock ecology. *Records of New Jersey Birds* 20: 2–12, addendum 1–8.
- BERNDT, R. K., B. KOOP, AND B. STRUWE-JUHL. 2002. Vogelwelt Schleswig-Holsteins, Band 5, Brutvogelatlas. Wachholtz Verlag, Neumünster, Germany.
- BERTHOLD, P. 1993. Bird migration: a general survey. Oxford University Press, New York, NY.
- BESSIE, W. C., AND E. A. JOHNSON. 1995. The relative importance of fuels and weather on fire behavior in subalpine forests. *Ecology* 76:747–762.
- BEVIER, L. R. (EDITOR). 1994. The atlas of breeding birds of Connecticut. State Geological and Natural History Survey of Connecticut Bulletin No. 113, Hartford, CT.
- BEZZEL, E., R. RUST, AND W. KECELE. 1997a. Revierbesetzung, Reproduktion und menschliche Verfolgung in einer Population des Habichts *Accipiter gentilis*. *Journal für Ornithologie* 138:413–441.
- BEZZEL, E., R. RUST, AND W. KECELE. 1997b. Nahrungswahl südbayerischer Habichte *Accipiter gentilis* während der Brutzeit. *Ornithologischer Anzeiger* 36:19–30.
- BIELEFELDT, J., R. N. ROSENFELD, AND J. M. PAPP. 1992. Unfounded assumptions about diet of the Cooper's Hawk. *Condor* 94:427–436.
- BIJLEVELD, M. 1974. Birds of Prey in Europe. Macmillan, London, UK.
- BIJLSMA, R. G. 1989. Goshawk *Accipiter gentilis* and Sparrowhawk *A. nisus* in the Netherlands during the 20th century: Population trend, distribution and breeding performance. Pp. 67–89 in J. T. Lumeij, W. P. F. Huijskens, and N. Croin Michielsen (editors). *Valkerij in perspectief*. Nederlands Valkeniersverbond "Adriaan Mollen"/Stichting Behoud Valkerij, Monnickendam, The Netherlands.
- BIJLSMA, R. G. 1991a. Trends in European Goshawks *Accipiter gentilis*: an overview. *Bird Census News* 4:3–47.
- BIJLSMA, R. G. 1991b. Replacement of mates in a persecuted population of Goshawks *Accipiter gentilis*. *Birds of Prey Bulletin* 4:155–158.
- BIJLSMA, R. G. 1993. *Ecologische atlas van de Nederlandse roofvogels*. Schuyt & Co., Haarlem, The Netherlands.
- BIJLSMA, R. G. 1997. Handleiding veldonderzoek roofvogels. KNNV Uitgeverij, Utrecht, The Netherlands.
- BIJLSMA, R. G. 1998. Hoe selectief bejagen Haviken *Accipiter gentilis* en Buizerds *Buteo buteo* de hongerige hordes? *Limosa* 71:121–123.
- BIJLSMA, R. G. 1998–2003. Trends en broedresultaten van roofvogels in Nederland in 1997–2002. De Takkeling 6:4–53, 7:6–51, 8:6–51, 9:12–52, 10:7–48, 11:6–54.
- BIJLSMA, R. G. 1999a. Stelselmatige vernietiging van bezette roofvogelnesten door Staatsbosbeheer. *De Takkeling* 7:59–64.
- BIJLSMA, R. G. 1999b. Zomervellingen desastreus voor broedvogels. *Nederlands Bosbouw Tijdschrift* 71:42–46.
- BIJLSMA, R. G. 2003. Havik *Accipiter gentilis* legt superdwergei, of: leven en dood in een 30-jarig territorium op het voedselarme Planken Wambuis (Veluwe). *De Takkeling* 11:133–142.
- BIJLSMA, R. G. 2004a. Long-term trends of rabbits *Oryctolagus cuniculus* on Pleistocene sands in the central and northern Netherlands. *Lutra* 47:3–20.
- BIJLSMA, R. G. 2004b. Wat is het predatierisico voor Wespandieven *Pernis apivorus* in de Nederlandse bossen bij een afnemend voedselaanbod voor Haviken *Accipiter gentilis*. *De Takkeling* 12:185–197.
- BIJLSMA R. G., F. HUSTINGS, AND C. J. CAMPHUYSEN. 2001. Algemene en schaarse vogels van Nederland (Avifauna

- van Nederland 2). GMB Uitgeverij/KNNV Uitgeverij, Haarlem/Utrecht, The Netherlands.
- BILSMA, R. G., AND S. SULKAVA. 1997. *Accipiter gentilis* Goshawk. Pp. 154–155 in E. J. M. Hagemeyer, and M. J. Blair (editors). The EBCC atlas of European breeding birds: their distribution and abundance. T. & A.D. Poyser Ltd., London, UK.
- BILDSTEIN, K. L. 1998. Long-term counts of migrating raptors: a role for volunteers in wildlife research. *Journal of Wildlife Management* 62:435–445.
- BIRCH, L. C. 1957. The meanings of competition. *American Naturalist* 91:5–18.
- BJÖRKLUND, H., SAUROLA, P., AND J. HAAPALA. 2002. Breeding and population trends of common raptors and owls in Finland in 2002—many new records saw the daylight. Pp. 28–40 in K. Ruokolainen. (editor). *Linnut-vuosikirja 2002*. BirdLife, Helsinki, Finland.
- BLOCK, W. M. 1989. Spatial and temporal patterns of resource use by birds in California oak woodlands. Ph.D. dissertation, University of California, Berkeley, CA.
- BLOCK, W. M., M. L. MORRISON, AND M. H. REISER (EDITORS). 1994. The Northern Goshawk: ecology and management. *Studies in Avian Biology* 16:1–136.
- BLOOM, P. H. 1987. Capturing and handling raptors. Pp. 99–123 in B. A. Giron Pendleton, B. A. Millsap, K. W. Cline, and D. M. Bird (editors). *Raptor management techniques manual*. National Wildlife Federation Science Technical Series No. 10, Washington, DC.
- BLOOM, P. H., G. R. STEWART, AND B. J. WALTON. 1986. The status of the Northern Goshawk in California, 1981–1983. California Department of Fish and Game, Wildlife Management Branch Administrative Report 85-1, Sacramento, CA.
- BLOXTON, T. D. JR. 2002. Prey abundance, space use, demography and foraging habitat of Northern Goshawks in western Washington. M.S. thesis, University of Washington, Seattle, WA.
- BLOXTON, T. D., A. S. ROGERS, M. F. INGRALDI, S. ROSENSTOCK, J. M. MARZLUFF, AND S. P. FINN. 2002. Possible choking mortalities of adult Northern Goshawks. *Journal of Raptor Research* 36:141–143.
- BOAL, C. W. 1993. Northern Goshawk diets in ponderosa pine forests in northern Arizona. M.S. thesis, University of Arizona, Tucson, AZ.
- BOAL, C. W. 1994. A photographic and behavioral guide to aging nestling Northern Goshawks. *Studies in Avian Biology* 16:32–40.
- BOAL, C. W., AND J. E. BACORN. 1994. Siblingicide and cannibalism in Northern Goshawk nests. *Auk* 111:748–750.
- BOAL, C. W., AND R. W. MANNAN. 1994. Northern Goshawk diets in ponderosa pine forests on the Kaibab Plateau. *Studies in Avian Biology* 16:97–102.
- BOAL, C. W., AND R. W. MANNAN. 1999. Comparative breeding ecology of Cooper's Hawks in urban and exurban areas of southeastern Arizona. *Journal Wildlife Management* 63:77–84.
- BOAL, C. W., AND R. W. MANNAN. 2000. Cooper's Hawks in urban and exurban areas: a reply. *Journal Wildlife Management* 64:601–604.
- BOAL, C. W., D. E. ANDERSEN, AND P. L. KENNEDY. 2001. Home range and habitat use of northern goshawks in Minnesota: final report. Unpublished Report. Minnesota Cooperative Research Unit, University of Minnesota, St. Paul, MN.
- BOAL, C. W., D. E. ANDERSEN, AND P. L. KENNEDY. 2002. Home range and habitat use of Northern Goshawks (*Accipiter gentilis*) in Minnesota. Forest systems of the upper Midwest: research review. Cloquet Forestry Center, University of Minnesota, USDA Forest Service and Minnesota Forest Resources Council, Cloquet, MN.
- BOAL, C. W., D. E. ANDERSEN, AND P. L. KENNEDY. 2003. Home range and residency status of Northern Goshawks breeding in Minnesota. *Condor* 105: 811–816.
- BOAL, C. W., D. E. ANDERSEN AND P. L. KENNEDY. 2005a. Productivity and mortality of Northern Goshawks in Minnesota. *Journal of Raptor Research* 39:222–228.
- BOAL, C. W., D. E. ANDERSEN, AND P. L. KENNEDY. 2005b. Foraging and nesting habitat of Northern Goshawks breeding in the Laurentian mixed forest province, Minnesota. *Journal of Wildlife Management* 69: 1516–1527.
- BOAL, C. W., E. L. BIBLES, AND R. E. BROWN. 1994. Unusual parental behaviors by male Northern Goshawks. *Journal of Raptor Research* 28:120–121.
- BOAL, C. W., R. W. MANNAN, AND K. S. HUDELSON. 1998. Trichomoniasis in Cooper's Hawks from Arizona. *Journal of Wildlife Diseases* 34:590–593.
- BOCK, C. E., AND L. W. LEPTHIEN. 1976. Synchronous eruptions of boreal seed-eating birds. *American Naturalist* 111:559–571.
- BOND, R. M. 1940. A Goshawk nest in the upper sonoran life-zone. *Condor* 42:100–103.
- BOND, R. M. 1942. Development of young Goshawks. *Wilson Bulletin* 54:81–88.
- BOND, R. M., AND R. M. STABLER. 1941. Second-year plumage of the Goshawk. *Auk* 58:346–349.
- BOSAKOWSKI, T. 1993. Erratum. *Ecography* 16:189.
- BOSAKOWSKI, T. 1999. The Northern Goshawk: ecology, behavior, and management in North America. Hancock House, Blaine, WA.
- BOSAKOWSKI, T., AND D. G. SMITH. 1992. Comparative diets of sympatric nesting raptors in the eastern deciduous forest biome. *Canadian Journal of Zoology* 70:984–992.
- BOSAKOWSKI, T., AND D. G. SMITH. 1997. Distribution and species richness of a forest raptor community in relation to urbanization. *Journal of Raptor Research* 31: 26–33.
- BOSAKOWSKI, T., AND D. G. SMITH. 2002. Status and distribution of *Accipiter* Hawks in New Jersey. *Records of New Jersey Birds* 28:6–8.
- BOSAKOWSKI, T., AND R. SPEISER. 1994. Macrohabitat selection by nesting Northern Goshawks: implications for managing eastern forests. *Studies in Avian Biology* 16:46–49.
- BOSAKOWSKI, T., B. MCCULLOUGH, F. J. LAPSANSKY, AND M. E. VAUGHN. 1999. Northern Goshawks nesting

- on a private industrial forest in western Washington. *Journal of Raptor Research* 33:240–244.
- BOSAKOWSKI, T., D. G. SMITH, AND R. SPEISER. 1992. Niche overlap of two sympatric nesting hawks, *Accipiter* spp. in the New Jersey-New York Highlands. *Ecography* 15:358–372.
- BOUTIN, S. 1990. Food supplementation experiments with terrestrial vertebrates: patterns, problems and the future. *Canadian Journal of Zoology* 68:203–220.
- BOWERMAN, W. W., S. R. CHRISTIANSEN, AND W. L. ROBINSON. 1998. Current management and research on woodland raptors in Michigan. Pp. 11–12 *in* J. Noll West (editor). Status of the Northern Goshawk in the Midwest: workshop proceedings USDI Fish and Wildlife Service, Fort Snelling, MN.
- BOYCE, D. A., JR., P. L. KENNEDY, P. BEIER, M. F. INGRALDI, S. R. MACVEAN, M. S. SIDERS, J. R. SQUIRES, AND B. WOODBRIDGE. 2005. When are goshawks not there? Is a single visit enough to infer absence at occupied nesting areas? *Journal of Raptor Research* 39:285–291.
- BOYCE, M. S. 1994. Population viability analysis exemplified by models for the Northern Spotted Owl. Pp. 3–18 *in* D. J. Fletcher, and B. F. J. Manly (editors). Statistics in ecology and environmental monitoring. University of Otago Press, Dunedin, New Zealand.
- BOYCE, M. S., AND L. L. McDONALD. 1999. Relating populations to habitats using resource selection functions. *Trends in Ecology and Evolution* 14:268–272.
- BRAAKSMA, S., W. H. TH. KNIPPENBERG, AND V. LANGENHOFF. 1959. Enige broedvogels in Noord-Brabant. *Limosa* 32:206–212.
- BRADLEY, A. F., N. V. NOSTE, AND W. C. FISCHER. 1992. Fire ecology of forests and woodlands in Utah. USDA Forest Service General Technical Report INT-287. USDA Forest Service, Intermountain Research Station, Ogden, UT.
- BRAUN, C. E., J. H. ENDERSON, M. R. FULLER, Y. B. LINHART, AND C. D. MARTI. 1996. Northern Goshawk and forest management in the southwestern United States. Technical Review 96-2. The Wildlife Society, Bethesda, MD.
- BRAUN, L. 1950. Deciduous forests of eastern North America. Blakiston Co., New York, NY.
- BRAUNING, D. W. (EDITOR). 1992. Atlas of breeding birds in Pennsylvania. University of Pittsburgh Press, Pittsburgh, PA.
- BREWER, R., G. A. MCPEEK, AND R. J. ADAMS, JR. 1991. The atlas of breeding birds of Michigan. Michigan State University Press, East Lansing, MI.
- BRIGHT-SMITH, D. J., AND R. W. MANNAN. 1994. Habitat use by breeding male Northern Goshawks in northern Arizona. *Studies in Avian Biology* 16:58–65.
- BRINK, C. H., AND F. C. DEAN. 1966. Spruce seed as a food of red squirrels and flying squirrels in interior Alaska. *Journal of Wildlife Management* 30:503–512.
- BRITTEN, M. W., P. L. KENNEDY, AND S. AMBROSE. 1999. Performance and accuracy evaluation of small satellite transmitters. *Journal of Wildlife Management* 63:1349–1358.
- BRODEUR, S., R. DÉCARIE, D. M. BIRD, AND M. FULLER. 1996. Complete migration cycle of Golden Eagles breeding in Northern Quebec. *Condor* 98:293–299.
- BROHN, A. 1986. Report of the subcommittee on falconry rules. International Association of Fish and Wildlife Agencies, Washington, DC.
- BRONSON, M. T. 1979. Altitudinal variation in the life history of the golden-mantled ground squirrel (*Spermophilus lateralis*). *Ecology* 60:272–279.
- BROOKS, R. T. 1989. Status and trends of raptor habitat in the Northeast. Pp. 123–132 *in* B. Giron Pendleton (editor). Northeast raptor management symposium and workshop. National Wildlife Federation Scientific and Technical Series No. 13, Washington, DC.
- BROWN, D. E. (EDITOR) 1982. Biotic communities of the American Southwest—United States and Mexico. *Desert Plants* 4:1–341.
- BROWN, J. H. 1971. Mechanisms of competitive exclusion between two species of chipmunks. *Ecology* 52:305–311.
- BROWN, J. K. 2000. Introduction and fire regimes. Pp. 1–7 *in* J. K. Brown, and J. K. Smith (editors). Wildland fire in ecosystems: effects of fire on flora. USDA Forest Service General Technical Report RMRS-GTR 42 Vol. 2. USDA Forest Service, Rocky Mountain Research Station, Fort Collins, CO.
- BROWN, J. L. 1963. Aggressiveness, dominance and social organization in the Steller Jay. *Condor* 65:460–484.
- BROWN, L., AND D. AMADON. 1968. Eagles, hawks, and falcons of the world. McGraw-Hill, New York, NY.
- BRÜLL, H. 1964. Das Leben deutscher Greifvögel. Fischer Verlag, Stuttgart, Germany.
- BRÜLL, H. 1984. Das Leben europäischer Greifvögel. 4th ed. Gustav Fischer Verlag, Stuttgart, Germany.
- BRYAN, T., AND E. D. FORSMAN. 1987. Distribution, abundance, and habitat of Great Gray Owls in southcentral Oregon. *Murrelet* 68:45–49.
- BRYANT, A. A. 1986. Influence of selective logging on Red-shouldered Hawks, *Buteo lineatus*, in Waterloo Region, Ontario, 1953–78. *Canadian Field-Naturalist* 100:520–525.
- BUCHANAN, J. B. 1996. A comparison of behavior and success rates of Merlins and Peregrine Falcons when hunting dunlins in two coastal habitats. *Journal of Raptor Research* 30:93–98.
- BUCHANAN, J. B., L. L. IRWIN, AND E. L. MCCUTCHEN. 1993. Characteristics of Spotted Owl nest trees in the Wenatchee National Forest. *Journal of Raptor Research* 27:1–7.
- BUCHANAN, J. B., R. W. LUNDQUIST, AND K. B. AUBRY. 1990. Winter populations of Douglas squirrels in different-aged Douglas-fir forests. *Journal of Wildlife Management* 54:577–581.
- BUCKLAND, S. T., D. R. ANDERSON, K. P. BURNHAM, J. L. LAAKE, D. L. BORCHERS, AND L. THOMAS. 2001. Introduction to distance sampling: estimating abundance of biological populations. Oxford Press, Oxford, UK.
- BUELL, M.F., A. LANGFORM, D. DAVIDSON, AND L. OHMANN. 1966. The upland forest continuum in northern New Jersey. *Ecology* 47:416–432.

- BÜHLER, U., AND R. KLAUS. 1987. Resultate von Habichtberingungen *Accipiter gentilis* in der Schweiz. Der Ornithologische Beobachter 84:111–121.
- BÜHLER, U., R. KLAUS, AND W. SCHLOSSER. 1987. Brutbestand und Jungenproduktion des Habichts *Accipiter gentilis* in der Nordostschweiz 1979–1984. Der Ornithologische Beobachter 84:95–110.
- BÜHLER, U., AND P.-A. OGGIER. 1987. Bestand und Bestandsentwicklung des Habichts *Accipiter gentilis* in der Schweiz. Der Ornithologische Beobachter 84: 71–94.
- BULL, E. L., AND J. H. HOHMANN. 1994. Breeding biology of Northern Goshawks in northeastern Oregon. Studies in Avian Biology 16:103–105.
- BULL, J. 1974. Birds of New York state. Doubleday Natural History Press, Garden City, NY.
- BURKE, D. M., AND E. NOL. 1998. Influence of food abundance, nest-site habitat, and forest fragmentation on breeding Ovenbirds. Auk 115:96–104.
- BURNETT, F. L., AND R. W. DICKERMAN. 1956. Type locality of the Mogollon red squirrel, *Tamiasciurus hudsonicus mogollonensis*. Journal of Mammalogy 37:292–294.
- BURNETT, H. 1991. Green island in the sky. American Forests 97:44–47, 62.
- BURNHAM, K. P., AND D. R. ANDERSON. 1992. Data-based selection of an appropriate biological model: the key to modern data analysis. Pp. 16–30 in D. R. McCullough, and R. H. Barrett (editors). Wildlife 2001: populations. Elsevier applied Science, London, UK.
- BURNHAM, K. P., AND D. R. ANDERSON. 2002. Model selection and multimodel inference: a practical information-theoretic approach. 2nd ed. Springer-Verlag, New York, NY.
- BURNHAM, K. P., D. R. ANDERSON, G. C. WHITE, C. BROWNIE, AND K. H. POLLOCK. 1987. Design and analysis methods for fish survival experiments based on release-recapture. American Fisheries Society Monograph 5: 1–412.
- BURNS, B. S., AND H. TRAIL, JR. 2000. Recovery of hemlock in Vermont from defoliation by the spring hemlock looper, *Lambdina athasaria* (Walker). Pp. 177–180 in Proceedings of a symposium on sustainable management of hemlock ecosystems in eastern North America. USDA Forest Service General Technical Report NE-267. USDA Forest Service, Northeastern Research Station, Newtown Square, PA.
- BURNS, R. M., AND B. H. HONKALA. 1990. Silvics of North America. Vol. 1, conifers. Agricultural Handbook 654. USDA Forest Service. Washington, DC.
- BURT, W. H., AND R. P. GROSSENHEIDER. 1980. A field guide to the mammals. Houghton Mifflin Company, Boston, MA.
- BUSCHE, G., AND V. LOOFT. 2003. Zur Lage der Greifvögel im Westen Schleswig-Holsteins im Zeitraum 1980–2000. Vogelwelt 124:63–81.
- BUSCHE, G., H.-J. RADDATZ, AND A. KOSTRZEWA. 2004. Nistplatz-Konkurrenz und Prädation zwischen Uhu (*Bubo bubo*) und Habicht (*Accipiter gentilis*): erste Ergebnisse aus Norddeutschland. Vogelwarte 42:169–177.
- BYHOLM, P. 2003. Reproduction and dispersal of Goshawks in a variable environment. Ph.D. dissertation, University of Helsinki, Helsinki, Finland.
- BYHOLM, P. 2005. Partial brood-loss and offspring sex ratio in Goshawks. Annales Zoologici Fennici 42:81–90.
- BYHOLM, P., J. E. BROMMER, AND P. SAUROLA. 2002a. Scale and seasonal sex-ratio trends in Northern Goshawk *Accipiter gentilis* broods. Journal of Avian Biology 33:399–406.
- BYHOLM, P., E. RANTA, V. KAITALA, H. LINDÉN, P. SAUROLA, AND M. WIKMAN. 2002b. Resource availability and Goshawk offspring sex ratio variation: a large-scale ecological phenomenon. Journal of Animal Ecology 71:994–1001.
- BYHOLM, P., P. SAUROLA, H. LINDÉN, AND M. WIKMAN. 2003. Causes of dispersal in Northern Goshawks (*Accipiter gentilis*) banded in Finland. Auk 120:706–716.
- CAFFREY, C., AND C. C. PETERSON. 2003. West Nile virus may be a conservation issue in the northeastern United States. American Birds 57:14–21.
- CANNING, R., AND S. CANNING. 1996. British Columbia. A natural history. Greystone Books, Vancouver, BC, Canada.
- CAREY, A. B. 1995. Scurids in Pacific Northwest managed and old-growth forests. Ecological Applications 5: 648–661.
- CAREY, A. B., S. P. HORTON, AND B. L. BISWELL. 1992. Northern Spotted Owls: influence of prey base and landscape character. Ecological Monographs 62: 223–250.
- CARLTON, W. M. 1966. Food habits of two sympatric Colorado scurids. Journal of Mammalogy 47: 91–103.
- CARREL, W. K., R. A. OCKENFELS, J. A. WENNERLUND, AND J. C. DeVOS, JR. 1997. Topographic mapping, LORANC, and GPS accuracy for aerial telemetry locations. Journal of Wildlife Management 61:1406–1412.
- CARROLL, C. 1999. Regional-scale predictive models of the distribution of the California Spotted Owl: an exploratory analysis. USDA Forest Service, Pacific Southwest Research Station, Arcata, CA.
- CARROLL, C., R. F. NOSS, AND P. C. PAQUET. 2001. Carnivores as focal species for conservation planning in the Rocky Mountain region. Ecological Applications 11: 961–980.
- CARROLL, C., R. F. NOSS, P. C. PAQUET, AND N. H. SCHUMAKER. 2003a. Use of population viability analysis and reserve selection algorithms in regional conservation plans. Ecological Applications 13:1773–1789.
- CARROLL, C., M. K. PHILLIPS, C. A. LOPEZ-GONZALEZ, AND N. H. SCHUMAKER. 2006. Defining recovery goals and strategies for endangered species using spatially-explicit population models: the wolf as a case study. BioScience. 56:25–37.
- CARROLL, C., M. K. PHILLIPS, N. H. SCHUMAKER, AND D. W. SMITH. 2003b. Impacts of landscape change on wolf restoration success: planning a reintroduction program based on static and dynamic spatial models. Conservation Biology 17:536–548.

- CARROLL, C., W. J. ZIELINSKI, AND R. F. NOSS. 1999. Using presence-absence data to build and test spatial habitat models for the fisher in the Klamath region, U.S.A. *Conservation Biology* 13:1344–1359.
- CARTWRIGHT, C. W., JR. 1996. Record of decision for amendment of forest plans. Arizona and New Mexico. USDA Forest Service, Southwestern Region, Albuquerque, NM.
- CAVÉ, A. J. 1968. The breeding of the Kestrel, *Falco tinnunculus* L., in the reclaimed area Oostelijk Flevoland. *Netherlands Journal of Zoology* 18:313–407.
- CAYOT, L. J. 1978. Habitat preferences of the mountain cottontail. M.S. thesis, Colorado State University. Fort Collins, CO.
- CHAPMAN, J. A., AND J. E. FLUX. 1990. Rabbits, hares and pikas. ICUN, Gland, Switzerland.
- CHAPMAN, J. A., AND D. E. TRETHERWEY. 1972. Movements within a population of introduced eastern cottontail rabbits. *Journal of Wildlife Management* 36:155–158.
- CHAVEZ-RAMIREZ, F., G. P. VOSE, AND A. TENNANT. 1994. Spring and fall migration of Peregrine Falcons from Padre Island, Texas. *Wilson Bulletin* 106:138–145.
- CLARK, W. S. 1981. A modified dho-gaza trap for use at a raptor banding station. *Journal of Wildlife Management* 45:1043–1044.
- CLARK, W. S. 1999. A field guide to the raptors of Europe, the Middle East, and North Africa. Oxford University Press, Oxford, UK.
- CLINE, K. W. 1985. Habitat protection for raptors on private lands. *Eyas* 8:3, 23.
- CLOTHIER, R. R. 1969. Reproduction in the gray-necked chipmunk, *Eutamias cinereicollis*. *Journal of Mammalogy* 50:642.
- CLOUGH, L. T. 2000. Nesting habitat selection and productivity of Northern Goshawks in west-central Montana. M.S. thesis, University of Montana, Missoula, MT.
- COCHRAN, W. W., AND R. D. APPLGATE. 1986. Speed of flapping flight of Merlins and Peregrine Falcons. *Condor* 88:397–398.
- COCKRUM, E. L., AND Y. PETRYSZYN. 1992. Mammals of the southwestern United States and northwestern Mexico. Treasure Chest Publications, Tucson, AZ.
- COHEN, W. B., T. A. SPIES, AND M. FIORELLA. 1995. Estimating the age and structure of forests in a multi-ownership landscape of western Oregon, U.S.A. *International Journal of Remote Sensing* 16:721–746.
- COLLINS, C. T., AND R. A. BRADLEY. 1971. Analysis of body weights of spring migrants in southern California: part II. *Western Bird Bander* 46:48–51.
- COLLINS, S. L., F. C. JAMES, AND P. G. RISSER. 1982. Habitat relationships of wood warblers (Parulidae) in northern central Minnesota. *Oikos* 39:50–58.
- COLLOPY, M. W. 1983. A comparison of direct observations and collections of prey remains in determining the diet of Golden Eagles. *Journal of Wildlife Management* 47:360–368.
- CONAWAY, C. H., H. M. WIGHT, AND K. C. SADLER. 1963. Annual production by a cottontail population. *Journal of Wildlife Management* 27:171–175.
- CONNELL, J. H. 1980. Diversity and the coevolution of competition, or the ghost of competition past. *Oikos* 35:131–138.
- CONRAD, B. 1977. Die Giftbelastung der Vogelwelt Deutschlands. Kilda Verlag, Greven, Germany.
- CONRAD, B. 1978. Korrelation zwischen Embryonen-Sterblichkeit und DDE-Kontamination beim Sperber (*Accipiter nisus*). *Journal für Ornithologie* 119:109–110.
- CONRAD, B. 1981. Zur Situation der Pestizidbelastung bei Greifvögeln und Eulen in der Bundesrepublik Deutschland. *Ökologie der Vögel* 3:161–167.
- COONS, J. S. 1984. Elevational zonation and monthly changes in the bird community on San Francisco Mountain, Arizona. M.S. thesis, Northern Arizona University, Flagstaff, AZ.
- COOPER, C. F. 1960. Changes in vegetation, structure, and growth of southwestern pine forest since white settlement. *Ecological Monographs* 30:129–164.
- COOPER, J. E. 1981. A historical review of Goshawk training and disease. Pp. 175–184 in R. E. Kenward, and I. M. Lindsay (editors). *Understanding the Goshawk*. International Association for Falconry and Conservation of Birds of Prey. Oxford, UK.
- COOPER, J. E., AND S. J. PETTY. 1988. Trichomoniasis in free-living Goshawks (*Accipiter gentilis gentilis*) from Great Britain. *Journal of Wildlife Diseases* 24:80–87.
- COOPER, J. M., AND P. A. CHYTYK. 2000. Update COSEWIC status report on the Northern Goshawk *Laingi* subspecies *Accipiter gentilis laingi* in Canada, in COSEWIC assessment and update status report on the Northern Goshawk *Laingi* subspecies *Accipiter gentilis laingi* in Canada. Committee on the Status of Endangered Wildlife in Canada. Ottawa, ON, Canada.
- COOPER, J. M., AND V. STEVENS. 2000. A review of the ecology, management and conservation of the Northern Goshawk in British Columbia. *Wildlife Bulletin No. B-101*. British Columbia Ministry of Environment, Lands, and Parks, Victoria, BC, Canada.
- COOPER, S. V., K. E. NEIMAN, AND D. W. ROBERTS. 1991. Forest habitat types of northern Idaho: a second approximation. USDA Forest Service. General Technical Report INT 236. USDA Forest Service, Intermountain Research Station, Ogden, UT.
- CORMACK, R. M. 1964. Estimates of survival from the sighting of marked animals. *Biometrika* 51:429–438.
- COSEWIC. 2000. COSEWIC assessment and update status report on the Northern Goshawk *Laingi* subspecies *Accipiter gentilis laingi* in Canada. Committee on the Status of Endangered Wildlife in Canada. Ottawa, ON, Canada. <http://www.sararegistry.gc.ca/virtual_sara/files/cosewic/sr%5Fnorthern%5Fgoshawk%5Fe%2Epdf> (11 January 2006).
- COSTELLO, C. M., D. E. JONES, K. A. G. HAMMOND, R. M. INMAN, K. H. INMAN, B. C. THOMPSON, R. A. DEITNER, AND H. B. QUIGLEY. 2001. A study of black bear ecology in New Mexico with models for population dynamics and habitat suitability. *New Mexico Game and Fish*, Albuquerque, NM.

- COUGHLIN, L. E. 1938. The case against the tuft-eared squirrel. USDA Forest Service, Rocky Mountain Region. Bulletin 21:10–12.
- COVINGTON, W. W., AND M. M. MOORE. 1994a. Southwestern ponderosa forest structure: changes since Euro-American settlement. *Journal of Forestry* 92:39–47.
- COVINGTON, W. W., AND M. M. MOORE. 1994b. Postsettlement changes in natural fire regimes and forest structure: ecological restoration of old-growth ponderosa pine forests. Pp. 153–181 in R. N. Sampson, and D. L. Adams (editors). *Assessing forest ecosystem health in the inland West*. The Haworth Press Inc, Binghamton, NY.
- CRAIGHEAD, D., AND R. SMITH. 2003. The implications of PTT location accuracy on the study of Red-tailed Hawks. Argos Animal Tracking Symposium. Available on a CD from Service Argos, Inc., 1801 McCormick Drive, Suite 10, Largo, MD.
- CRAIGHEAD, J. J., AND F. C. CRAIGHEAD. 1956. *Hawks, owls and wildlife*. Stackpole Co., Harrisburg, PA.
- CRAMP, S., AND K. E. L. SIMMONS (EDITOR). 1980. *Handbook of the birds of Europe, the Middle East, and North Africa. The Birds of the Western Palearctic Vol. 2*. Oxford University Press, Oxford, UK.
- CRAWLEY, M. J. 1993. *GLIM for ecologists*. Blackwell Scientific Publications, London, UK.
- CRESSIE, N. 1991. *Statistics for spatial data*. John Wiley and Sons, Inc., New York, NY.
- CRIST, E. P., AND R. C. CICONE. 1984. Application of the tasseled cap concept to simulated thematic mapper data. *Photogrammetric Engineering and Remote Sensing* 50:343–352.
- CROCKER-BEDFORD, D. C. 1990. Goshawk reproduction and forest management. *Wildlife Society Bulletin* 18:262–269.
- CROCKER-BEDFORD, D. C. 1998. The value of demographic and habitat studies in determining the status of Northern Goshawk (*Accipiter gentilis atricapillus*) with special reference to Crocker-Bedford (1990) and Kennedy (1997). *Journal of Raptor Research* 32:329–336.
- CROCKER-BEDFORD, D. C., AND B. CHANEY. 1988. Characteristics of Goshawk nesting stands. Pp. 210–217 in R. L. Glinski, B. Giron Pendleton, M. B. Moss, M. N. LeFranc Jr., B. A. Millsap, and S. W. Hoffman (editors). *Proceedings of the southwest raptor management symposium and workshop*. National Wildlife Federation Scientific and Technical Series No. 11. National Wildlife Federation, Washington, DC.
- CZUCHNOWSKI, R. 1993. Ptaki drapieżne Puszczy Niepolomickiej w latach 1987–1990. *Notatki Ornitologiczne* 34:313–318.
- DALBECK, L. 2003. *Der Uhu Bubo bubo (L.) in Deutschland—autökologische Analysen an einer wieder angesiedelten Population—Resümee eines Artenschutzprojekts*. Ph.D. dissertation, University of Bonn, Shaker Verlag, Aachen, Germany.
- DALE, V. H., L. A. JOYCE, S. McNULTY, R. P. NEILSON, M. P. AYRES, M. D. FLANNIGAN, P. J. HANSON, L. C. IRLAND, A. E. LUGO, C. J. PETERSON, D. SIMBERLOFF, F. J. SWANSON, B. J. STOCKS, AND B. M. WOTTON. 2001. Climate change and forest disturbances. *BioScience* 51:723–34.
- DALY, C., R. P. NEILSON, AND D. L. PHILLIPS. 1994. A statistical-topographic model for mapping climatological precipitation over mountainous terrain. *Journal of Applied Meteorology* 33:140–158.
- DANKO, Š., A. DARALOVÁ, AND A. KRIŠTÍN. 2002. *Rozšírenie vtákov na Slovensku*. VEDA, Bratislava, Slovakia.
- DANKO, Š., T. DIVIŠ, J. DVORSKÁ, M. DVORSKÝ, J. CHAVKO, D. KARASKA, B. KLOUBEC, P. KURKA, H. MATUŠÍK, L. PEŠKE, L. SCHRÖPFER, AND R. VÁČIK. 1994. Stav potratkov o početnosti hniezdných populácií dravcov (Falconiformes) a sov (Strigiformes) v Českej a Slovenskej republike k roku 1990 a ich populačný trend v rokoch 1970–1990. *Buteo* 6:1–89.
- DARK, S. J., R. J. GUTIERREZ, AND G. I. GOULD. 1998. The Barred Owl (*Strix varia*) invasion in California. *Auk* 115:50–56.
- DARVEAU, M., L. BELANGER, J. HUOT, E. MELANCON, AND S. DEBELLEFEUILLE. 1997. Forestry practices and the risk of bird nest predation in a boreal coniferous forest. *Ecological Applications* 7:572–580.
- DASZAK, P., A. A. CUNNINGHAM, AND A. D. HYATT. 2000. Emerging infectious diseases of wildlife—threats to biodiversity and human health. *Science* 287:443–449.
- DAUBENMIRE, R. 1952. A canopy-coverage method of vegetative analysis. *Northwest Science* 33:43–64.
- DAUBENMIRE, R., AND R. B. DAUBENMIRE. 1968. Forest vegetation of eastern Washington and northern Idaho. Washington Agriculture Experiment Station Technical Bulletin 60. Washington State University, Pullman, WA.
- DAVIS, T. 1979. Telemetry study of a family of Goshawks. M.S. thesis, University of Minnesota, Duluth, MN.
- DAW, S. K. 1997. Northern Goshawk nest site selection and habitat associations at the post-fledging family area scale in Oregon. M.S. thesis, Oregon State University, Corvallis, OR.
- DAW, S. K., AND S. DEStEFANO. 2001. Forest characteristics of Northern Goshawk nest stands and post-fledging areas in Oregon. *Journal of Wildlife Management* 65:59–65.
- DAW, S. K., S. DEStEFANO, AND R. J. STEIDL. 1998. Does survey method bias the description of Northern Goshawk nest-site structure? *Journal of Wildlife Management* 62:1379–1384.
- DE FRAINE, R., AND R. VERBOVEN. 1997. Doorbraak van de Havik *Accipiter gentilis* als broedvogel in de Zuiderkempen (Vlaanderen, België). *Oriolus* 63:46–48.
- DEKKER, A. L., A. HUT, AND R. G. BIJLSMA. 2004. De opkomst van de Havik *Accipiter gentilis* in de stad Groningen. *De Takkeling* 12:205–218.
- DEL HOYO, J., A. ELLIOTT, AND J. SARGATAL (EDITORS). 1994. *Handbook of the birds of the world, Vol. 2*. Lynx Edicions, Barcelona, Spain.
- DELANNOY, C. A., AND A. CRUZ. 1991. Philornis parasitism and nestling survival of the Puerto Rican Sharp-shinned Hawk. Pp. 93–103 in J. E. Loye, and M. Zuk (editors).

- Bird-parasite interactions: ecology, evolution, and behaviour. Oxford University Press, New York, NY.
- DELBEKE, K., JOIRIS, C., AND G. DECADT. 1984. Mercury contamination of the Belgian avifauna 1970–81. *Environmental Pollution (Series B)* 7:205–221.
- DELLASALA, D. A., J. R. STRITTHOLT, R. F. NOSS, AND D. M. OLSON. 1996. A critical role for core reserves in managing inland northwest landscapes for natural resources and biodiversity. *Wildlife Society Bulletin* 24:209–221.
- DEMENT'EV, G. P., N. A. GLADKOV, E. S. PTUSHENKO, E. P. SPANGENBERG, AND A. M. SUDILOVSKAYA. 1966. Birds of the Soviet Union. Volume 1. Israel Program for Scientific Translations. Jerusalem, Israel.
- DEPPE, H.-J. 1976. Ernährungsbiologische Beobachtungen beim Habicht (*Accipiter gentilis*) in einem großstadtnahen Revier. *Ornithologische Berichte für Berlin (West)* 1:317–325.
- DERRICKSON, S. R., S. R. BEISSINGER, AND N. F. R. SNYDER. 1998. Directions in endangered species research. Pp. 111–123 in J. M. Marzluff, and R. Sallabanks (editors). *Avian conservation: research and management*. Island Press, Washington, DC.
- DESIMONE, S. M. 1997. Occupancy rates and habitat relationships of Northern Goshawks in historic nesting areas in Oregon. M.S. thesis, Oregon State University, Corvallis, OR.
- DESTEFANO, S. 1998. Determining the status of Northern Goshawks in the West: is our conceptual model correct? *Journal of Raptor Research* 32:342–348.
- DESTEFANO, S. 2005. A review of the status and distribution of Northern Goshawks in New England. *Journal of Raptor Research*. 39:342–250.
- DESTEFANO, S., AND T. L. CUTLER. 1998. Diets of Northern Goshawks in eastern Oregon. USGS, Arizona Cooperative Fish and Wildlife Research Unit, Tucson, AZ.
- DESTEFANO, S., S. K. DAW, S. M. DESIMONE, AND E. C. MESLOW. 1994a. Density and productivity of Northern Goshawks: implications for monitoring and management. *Studies in Avian Biology* 16:88–91.
- DESTEFANO, S., AND J. McCLOSKEY. 1997. Does vegetation structure limit the distribution of Northern Goshawks in the Oregon coast ranges? *Journal of Raptor Research* 31:34–39.
- DESTEFANO, S., J. A. THRAILKILL, K. A. SWINDLE, G. S. MILLER, B. WOODBRIDGE, AND E. C. MESLOW. 1995. Analysis of habitat quality and relative survival using capture-recapture data. Pp. 466–469 in P. R. Krausman, and J. A. Bissonette (editors). *Integrating people and wildlife for a sustainable future*. Proceedings of the First International Wildlife Management Congress, The Wildlife Society, Bethesda, MD.
- DESTEFANO, S., B. WOODBRIDGE, AND P. J. DIETRICH. 1994b. Survival of Northern Goshawks in the southern Cascades of California. *Studies in Avian Biology* 16: 133–136.
- DIETRICH, P. J., AND B. WOODBRIDGE. 1994. Territory fidelity, mate fidelity and movements of color-marked Northern Goshawks in the southern Cascades of California. *Studies in Avian Biology* 16:130–132.
- DEUBEL, V., L. FIETTE, P. GOUNON, M. T. SROUET, H. KUHN, M. HUERRE, C. BONET, M. MALKINSON, AND P. DESPERES. 2001. Variations in biological features of West Nile viruses. *Annals of the New York Academy of Sciences* 951:49–58.
- DEVAULT, T. L., STEPHENS, W. L., REINHART, B. D., RHODES, O. E., AND I. L. BRISBIN, JR. 2003. Aerial telemetry accuracy in a forested landscape. *Journal of Raptor Research* 37:147–151.
- DEVILLERS, P., W. ROGGEMAN, J. TRICOT, P. DEL MARMOL, C. KERWIJN, J.-J. JACOB, AND A. ANSELIN. 1988. Atlas des oiseaux nicheurs de Belgique. Institut Royal des Sciences Naturelles de Belgique, Bruxelles, Belgium.
- DEVINE, A., AND D. G. SMITH. 1996. Connecticut birding guide. Thompson-Shore Publishing Company, East Lansing, MI.
- DEWEY, S. R., AND P. L. KENNEDY. 2001. Effects of supplemental food on parental care strategies and juvenile survival of Northern Goshawks. *Auk* 118:353–365.
- DEWEY, S. R., P. L. KENNEDY, AND R. M. STEPHENS. 2003. Are dawn vocalization surveys effective for monitoring goshawk territory occupancy? *Journal of Wildlife Management* 67:390–397.
- DICK, T., AND D. PLUMPTON. 1998. Review of information on the status of the Northern Goshawk (*Accipiter gentilis atricapillus*) in the western Great Lakes Region. Unpublished Report. USDI Fish and Wildlife Service, Fort Snelling, MN.
- DICK, T. D., AND A. STRONACH. 1999. The use, abuse and misuse of crow cage traps in Scotland. *Scottish Birds* 20:6–13.
- DIETRICH, J. 1982. Zur Ökologie des Habichts—*Accipiter gentilis*—im Stadtverband Saarbrücken. Diploma thesis, University of the Saarland, Saarbrücken, Germany.
- DIETRICH, J., AND H. ELLENBERG. 1981. Aspects of Goshawk urban ecology. Pp. 163–175 in R. E. Kenward, and I. M. Lindsay (editors). *Understanding the Goshawk*. International Association for Falconry and Conservation of Birds of Prey, Oxford, UK.
- DIETZEN, W. 1978. Der Brutbiotop des Habichts *Accipiter gentilis* in drei Gebieten Bayerns. *Anzeiger der Ornithologischen Gesellschaft in Bayern* 17:141–159.
- DIGGLE, P. J. 1983. Statistical analysis of spatial point patterns. Academic Press, London, UK.
- DINGLE, H. 1996. Migration. The biology of life on the move. Oxford University Press, New York, NY.
- DIVIŠ, T. 1990. Evolution of the populations of some species of birds of prey in the Náchod district (Czechoslovakia) in 1978–1988. Pp. 329–331 in K. Šťastný, and V. Bejček (editors). *Bird Census and Atlas Studies*. Proceedings XIth International Conference on Bird Census and Atlas Work, Prague, Czech Republic.
- DIVIŠ, T. 2003. Z biologie a ekologie jestřába lesního (*Accipiter gentilis*). *Panurus* 13:3–32.
- DIXON, J. B., AND R. E. DIXON. 1938. Nesting of the Western Goshawk in California. *Condor* 40:3–11.

- DOAK, D. 1995. Source-sink models and the problem of habitat degradation: general models and applications to the Yellowstone grizzly. *Conservation Biology* 9: 1370–1379.
- DOBLER, G. 1990. Brutbiotop und Territorialität bei Habicht (*Accipiter gentilis*) und Rotmilan (*Milvus milvus*). *Journal für Ornithologie* 131:85–93.
- DOBLER, G. 1991. Klimatische Einflüsse auf Dichte, Brutzeit und Bruterfolg von Habicht *Accipiter gentilis* und Rotmilan *Milvus milvus*. *Vogelwelt* 112:152–162.
- DOBLER, G., AND K. SIEDLE. 1993. Fänge von Habichten (*Accipiter gentilis*) im Wurzacher Ried: Kritische Fragen zu einem behördlich genehmigten Wiedereinbürgerungsprojekt. *Journal für Ornithologie* 134: 165–171.
- DOBLER, G., AND K. SIEDLE. 1994. Wurzacher Ried: Habichte illegal gefangen und getötet. *Berichte zum Vogelschutz* 32:61–74.
- DODD, N. L., J. S. STATES, AND S. S. ROSENSTOCK. 2003. Tassel-eared squirrel population, habitat condition, and dietary relationships in north-central Arizona. *Journal of Wildlife Management* 67:622–633.
- DOERR, P. D., AND J. H. ENDERSON. 1965. An index of abundance of the Goshawk in Colorado in the winter. *Auk* 82:284–285.
- DOLBEER, R. A. 1973. Reproduction in the red squirrel (*Tamiasciurus hudsonicus*) in Colorado. *Journal of Mammalogy* 54:536–540.
- DOMASHEVSKIY, S. V. 2003. Ecology of Goshawk in the north of Ukraine. *Strepit* 1:72–85.
- DONALD, P. F., R. E. GREEN, AND M. F. HEATH. 2001. Agricultural intensification and the collapse of Europe's farmland bird populations. *Proceedings of the Royal Society of London, Series B* 268:25–29.
- DOOLITTLE, T. 1998. Goshawk winter movement study in northern Wisconsin. P. 6 in J. Noll West (editor). *Status of the Northern Goshawk in the Midwest: workshop proceedings*. USDI Fish and Wildlife Service, Fort Snelling, MN.
- DOUCET, J. 1987. Aspects de la prédation de l'Autour (*Accipiter gentilis*) en période de nidification. *Aves* 1987, numéro spécial: 62–65.
- DOUCET, J. 1989a. Réapparition de la nidification du Hibou grand-duc (*Bubo bubo*) en Wallonie: Sa réintroduction en Europe occidentale. *Aves* 26:137–158.
- DOUCET, J. 1989b. Statut évolutif d'une population d'Autour des palombes (*Accipiter gentilis*) et remarques sur les dénombrements d'animaux. *Aves* 1989, numéro spécial: 103–112.
- DOYLE, F. I. 1995. Bald Eagle (*Haliaeetus leucocephalus*) and Northern Goshawk (*Accipiter gentilis*), nests apparently preyed upon by a wolverine(s), (*Gulo gulo*), in the southwestern Yukon Territory. *Canadian Field Naturalist* 109:115–116.
- DOYLE, F. I. 2000. Timing of reproduction by Red-tailed Hawks, Northern Goshawks and Great Horned Owls in the Kluane boreal forest of southwestern Yukon. M.S. thesis, University of British Columbia, Vancouver, BC, Canada.
- DOYLE, F. I. 2003. Biological review and recommended interim strategy direction for Northern Goshawks on Haida Gwaii/Queen Charlotte Islands. BC Ministry of Environment, Lands and Parks. Smithers, BC, Canada.
- DOYLE, F. I., AND J. M. N. SMITH. 1994. Population responses of Northern Goshawks to the 10-year cycle in numbers of snowshoe hares. *Studies in Avian Biology* 16:122–129.
- DOYLE, F. I., AND T. MAHON. 2001. Inventory of the Northern Goshawk in the Kispiox Forest District Annual Report 2000. BC Ministry of Environment, Lands and Parks. Smithers, BC, Canada.
- DRACHMANN, J., AND J. T. NIELSEN. 2002. Danske duehøges populationsøkologi og forvaltning. Faglig rapport fra DMU, nr. 398. Danmarks Miljøundersøgelser. Århus, Denmark.
- DRAULANS, D. 1984. Dagroofvogels te Mol-Postel en omgeving. De Wielewaal, Turnhout, The Netherlands.
- DRAULANS, D. 1988. Timing of breeding and nesting success of raptors in a newly colonized area in north-east Belgium. *Gerfaut* 78:415–420.
- DRAZNY, T., AND A. ADAMSKI. 1996. The number, reproduction and food of the Goshawk *Accipiter gentilis* in central Silesia (SW Poland). *Populationsökologie Greifvogel- und Eulenarten* 3:207–219.
- DREITZ, V. J., R. E. BENNETTS, B. TOLAND, W. M. KITCHENS, AND M. W. COLLOPY. 2001. Spatial and temporal variability in nest success of Snail Kites in Florida: a meta-analysis. *Condor* 103:502–509.
- DRENNAN, J. E., AND P. BEIER. 2003. Forest structure and prey abundance in winter habitat of Northern Goshawks. *Journal of Wildlife Management* 67:177–185.
- DRONNEAU, C., AND B. WASSMER. 2004. Autour des palombes *Accipiter gentilis*. Pp. 85–89 in J.-M. Thiollay, and V. Bertagnolle (editors). *Rapaces nicheurs en France. Distribution, effectifs et conservation*. Delachau et Niestlé, Paris, France.
- DUFFY, D. C., AND S. JACKSON. 1986. Diet studies of seabirds: a review of methods. *Colonial Waterbirds*. 9: 1–17.
- DUFTY, A. M., JR., AND J. R. BELTHOFF. 2001. Proximate mechanisms of natal dispersal: the role of body condition and hormones. Pp. 217–229 in J. Clobert, E. Danchin, A. A. Dhondt, and J. D. Nichols (editors). *Dispersal*. Oxford University Press, Oxford, UK.
- DUNCAN, P., AND D. A. KIRK. 1995. Status report on the Northern Goshawk *Accipiter gentilis* in Canada. Committee on the status of endangered wildlife in Canada. Manitoba Conservation Data Centre, Winnipeg, MB, Canada.
- DUNNING, J. B., JR. 1984. Body weights of 686 species of North American birds. Monograph number 1. Western Bird Banding Association. Cave Creek, AZ.
- DUNNING, J. B. (EDITOR). 1993. *CRC Handbook of avian body masses*. CRC Press Inc., Boca Raton, FL.
- DVORAK, M., A. RANNER, AND H.-M. BERG (EDITORS). 1993. *Atlas der Brutvögel Österreichs*: 120–121. Bundesministerium für Umwelt und Familie, Wien, Austria.

- EDWARDS, T. C., JR., C. G. HOMER, S. D. BASSETT, A. FALCONER, R. D. RAMSEY, AND D. W. WIGHT. 1995. Utah gap analysis: an environmental information system. Final project report 95-1, Utah Cooperative Fish and Wildlife Research Unit, Utah State University, Logan, UT.
- EHRING, R. 2004. Bestands- und Reproduktionskontrollen am Habicht (*Accipiter gentilis*) 1970–2002 in Nordwestsachsen. Mitteilungen des Vereins Sächsischer Ornithologen 9:397–405.
- ELKINS, N. 1983. Weather and bird behaviour. T. & A.D. Poyser Ltd., Staffordshire, UK.
- ELLENBERG, H. (EDITOR). 1981. Greifvögel und Pestizide. Versuch einer Bilanz für Mitteleuropa. Ökologie der Vögel 3, Sonderheft:1–420.
- ELLENBERG, H., AND J. DIETRICH. 1981. The Goshawk as a bioindicator. Pp. 69–88 in R. E. Kenward, and I. M. Lindsay (editors). Understanding the Goshawk. International Association for Falconry and Conservation of Birds of Prey, Oxford, UK.
- EMLEN, J. M. 1973. Ecology: an evolutionary approach. Addison-Wesley Publishing Company, Reading, MA.
- ENDANGERED SPECIES ACT of 1973. Public Law 16 U.S.C. §§ 1531-1544, December 28, 1973, as amended.
- ENG, R. L., AND G. W. GULLION. 1962. The predation of Goshawks upon Ruffed Grouse on the Cloquet Forest Research Center, Minnesota. Wilson Bulletin 74: 227–242.
- ENNIS, K. R., J. BLUM, J. KELLY, C. SCHUMACHER, E. PADLEY, AND T. SCHUETZ. 1993. Management recommendations for the Northern Goshawk on the Huron-Manistee National Forests. Huron-Manistee National Forest, USDA Forest Service, Cadillac, MI.
- ERDMAN, T. C., D. F. BRINKER, J. P. JACOBS, J. WILDE, AND T. O. MEYER. 1998. Productivity, population trend, and status of Northern Goshawks, *Accipiter gentilis atricapillus*, in northeastern Wisconsin. Canadian Field Naturalist 112:17–27.
- ERICKSON, M. G. 1987. Nest site habitat selection of the Goshawk (*Accipiter gentilis*) in the Black Hills National Forest of South Dakota. M.S. thesis, University of South Dakota, Vermillion, SD.
- ERKENS, J., AND F. HENDRIX. 1984. Prooidieren van buizerd en havik. De Nederlandse Jager 89:328–329.
- ERLICH, P. R., D. S. DOBKIN, AND D. WHEYE. 1988. The birder's handbook: a field guide to the natural history of North American birds. Simon and Schuster, New York, NY.
- ERLINGE, S., G. GÖRANSSON, G. HÖGSTEDT, G. JANSSON, O. LIBERG, J. LOMAN, I. N. NILSSON, T. VON SCHANTZ, AND M. SYLVÉN. 1984. Can vertebrate predators regulate their prey? American Naturalist 123:125–133.
- ERLINGE, S., G. GÖRANSSON, G. HÖGSTEDT, O. LIBERG, I. N. NILSSON, T. NILSSON, T. VON SCHANTZ, AND M. SYLVÉN. 1982. Factors limiting numbers of vertebrate predators in a predator prey community. Transactions of the International Congress of Game Biologists 14:261–268.
- ERRINGTON, P. L. 1930. The pellet analysis method of raptor food habits study. Condor 32:292–296.
- ERRINGTON, P. L. 1932. Technique of raptor food habits study. Condor 34:75–86.
- ERZEPKY, R. 1977. Zur Art des Nahrungserwerbs beim Habicht (*Accipiter gentilis*). Ornithologische Mitteilungen 29:229–231.
- ESCH, G. W. 1975. An analysis of the relationship between stress and parasitism. American Midland Naturalist 93: 339–353.
- ESRI. 1996. Using Arc View GIS. ESRI, Redlands, CA.
- ESRI. 1998. ArcView® 3.1. Environmental Research Institute, Inc., Redlands, CA.
- ESTES, W. A., S. R. DEWEY, AND P. L. KENNEDY. 1999. Siblicide at Northern Goshawk nests: does food play a role? Wilson Bulletin 111:432–436.
- ETHIER, T. J. 1999. Breeding ecology and habitat of Northern Goshawks (*Accipiter gentilis laingi*) on Vancouver Island: a hierarchical approach. M.S. thesis, University of Victoria, Victoria, BC, Canada.
- EVANS, B. I., AND W. J. O'BRIEN. 1988. A re-analysis of the search cycle of a planktivorous salmonid. Canadian Journal of Fisheries and Aquatic Sciences 45:187–192.
- EVANS, D. L. 1981. Banding recoveries from Hawk Ridge. Prairie Naturalist 32:18.
- EVANS, D. L. 1983. Hawk Ridge Research Station, 1982. P. 12 in Hawk Ridge Annual Report. Duluth Audubon Society, Duluth, MN.
- EVANS, D. L., AND C. R. SINDELAR. 1974. First record of the Goshawk for Louisiana—a collected, banded bird. Bird-Banding 45:270.
- EVERETT, R., P. HESSBURG, M. JENSEN, AND B. BORMAN (EDITORS). 1993. Eastside forest ecosystem health assessment. Volume I: Executive summary. USDA Forest Service General Technical Report GTR-317. USDA Forest Service, Pacific Northwest Research Station, Portland, OR.
- EVERETT, R. L., AND J. F. LEHMKUHL. 1996. An emphasis-use approach to conserving biodiversity. Wildlife Society Bulletin 24:192–199.
- EVERETT, R. L., AND J. F. LEHMKUHL. 1997. A forum for presenting alternative viewpoints on the role of reserves in conservation biology? A reply to Noss (1996). Wildlife Society Bulletin 25:575–577.
- EYRE, F. H. 1980. Forest cover types of the United States and Canada. Society of American Foresters, Washington, DC.
- FAIRHURST, G. D. 2004. Northern Goshawk (*Accipiter gentilis*) population analysis and food habits in the Independence and Bull Run mountains, Nevada. M.S. thesis, Boise State University, Boise, ID.
- FAIRHURST, G. D., AND M. J. BECHARD. 2005. Relationships between winter and spring weather and Northern Goshawk (*Accipiter gentilis*) reproduction in northern Nevada. Journal of Raptor Research 39:229–236.
- FARENTINOS, R. C. 1972. Observations on the ecology of the tassel-eared squirrel. Journal of Wildlife Management 36:1234–1239.
- FEDERAL DATA QUALITY ACT of 2001. Public Law 106–554 §515; H.R. 5658. Also known as the treasury and

- general government appropriations act for fiscal year 2001 [See also Federal Register September 28, 2001 66:49718–49725].
- FELLIN, D. G. 1979. A review of some interactions between harvesting, residue management, fire, and forest insects and diseases. Pp. 335–415 in *Environmental consequences of timber harvesting in Rocky Mountain coniferous forests*. USDA Forest Service General Technical Report INT-90. USDA Forest Service, Intermountain Forest and Range Experiment Station, Ogden, UT.
- FINDLEY, J. S., A. H. HARRIS, D. E. WILSON, AND C. JONES. 1975. *Mammals of New Mexico*. University of New Mexico Press, Albuquerque, NM.
- FINN, S. P., J. M. MARZLUFF, AND D. E. VARLAND. 2002a. Effects of landscape and local habitat attributes on Northern Goshawk site occupancy in western Washington. *Forest Science* 48:427–436.
- FINN, S. P., D. E. VARLAND, AND J. M. MARZLUFF. 2002b. Does Northern Goshawk breeding occupancy vary with nest-stand characteristics on the Olympic Peninsula, Washington? *Journal of Raptor Research* 36:265–279.
- FISCHER, D. L. 1986. Daily activity patterns and habitat use of coexisting *Accipiter* hawks in Utah. Ph.D. dissertation, Brigham Young University, Provo, UT.
- FISCHER, W. 1980. *Die Habichte. Die Neue Brehm-Bücherei*, Magdeburg, Germany.
- FISCHER, W. 1995. *Die Habichte. Die Neue Brehm-Bücherei*, Bd. 158, 3rd ed. Westarp Wissenschaften, Magdeburg, Germany.
- FITCH, J. S., B. GLADING, AND V. HOUSE. 1946. Observations on Cooper's Hawk nesting and predation. *California Fish and Game* 32:144–154.
- FITZGERALD, J. P., C. A. MEANEY, AND D. M. ARMSTRONG. 1994. *Mammals of Colorado*. University Press of Colorado, Niwot, CO.
- FLATTEN, C., K. TITUS, AND R. LOWELL. 2001. Northern Goshawk monitoring, population, ecology and diet on the Tongass National Forest. Research Final Performance Report 1 April 1991–30 September 2001, Alaska Department of Fish and Game, Division of Wildlife Conservation, Juneau, AK.
- FLEMING, T. L. 1987. Northern Goshawk status and habitat associations in western Washington with special emphasis on the Olympic Peninsula. Unpublished report. USDA Pacific Northwest Forest and Range Experiment Station, Old-Growth Research Laboratory, Olympia, WA.
- FLETCHER, N., AND G. SHEPPARD. 1994. The Northern Goshawk in the southwestern region 1992 status report. USDA Forest Service, Southwestern Region, Albuquerque, NM.
- FLOUSEK, J., K. HUDEC, AND U. N. GLUTZ VON BLOTZHEIM. 1993. Immissionsbedingte Waldschäden und ihr Einfluß auf die Vogelwelt Mitteleuropas. Pp. 11–30 in U. N. Glutz von Blotzheim, and K. M. Bauer (editors). *Handbuch der Vögel Mitteleuropas*, Band 13/I. AULA-Verlag, Wiesbaden, Germany.
- FORBUSH, E. H. 1925. *Birds of Massachusetts and other New England states*. Massachusetts Department of Agriculture, Boston, MA.
- FOREST ECOSYSTEM MANAGEMENT ASSESSMENT TEAM. 1993. *Forest ecosystem managements: and ecological, economic, and social assessment*. Report of the Forest Ecosystem Management Assessment Team. USDA Forest Service, USDC National Oceanographic and Atmospheric Administration and National Marine Fisheries Services, USDI Bureau of Land Management, USDI Fish and Wildlife Service, National Park Service, and the U.S. Environmental Protection Agency, Washington, DC.
- FORMAN, R. T. T., AND M. GORDON. 1981. Patches and structural components for a landscape ecology. *BioScience* 31:733–740.
- FORSMAN, E. D., E. C. MESLOW, AND H. M. WIGHT. 1984. Distribution and biology of the Spotted Owl in Oregon. *Wildlife Monographs* 87:1–64.
- FORSMAN, D., AND T. SOLONEN. 1984. Censusing breeding raptors in southern Finland: methods and results. *Annales Zoologici Fennici* 21:317–320.
- FOWELLS, H. A., AND G. H. SCHUBERT. 1956. Seed crops of forest trees in the pine region of California. USDA Forest Service Technical Bulletin No. 1150. USDA Forest Service, Pacific Southwest Research Station, Redding, CA.
- FOX, N. 1981. The hunting behaviour of trained Northern Goshawks. Pp. 121–133 in R. E. Kenward, and I. M. Lindsay (editors). *Understanding the Goshawk*. International Association for Falconry and Conservation of Birds of Prey, Oxford, UK.
- FRANKLIN, A. B., D. R. ANDERSON, E. D. FORSMAN, K. P. BURNHAM, AND F. W. WAGNER. 1996. Methods for collecting and analyzing demographic data on the Northern Spotted Owl. *Studies in Avian Biology* 17:12–20.
- FRANKLIN, A. B., D. R. ANDERSON, R. J. GUTIÉRREZ, AND K. P. BURNHAM. 2000. Climate, habitat quality, and fitness in Northern Spotted Owl populations in northwestern California. *Ecology Monograph* 70:539–590.
- FRANKLIN, J. F. 1993. Preserving biodiversity: species, ecosystems, or landscapes? *Ecological Applications* 3:202–205.
- FRANKLIN, J. F., AND C. T. DYRNESS. 1973. Natural vegetation of Oregon and Washington. USDA Forest Service General Technical Report PNW-8. USDA Forest Service, Pacific Northwest Forest and Range Experiment Station, Portland, OR.
- FRANKLIN, J. F., AND J. A. FITES-KAUFMANN. 1996. Assessment of late-successional forests of the Sierra Nevada. Pp. 627–669 in *Sierra Nevada ecosystem project, final report to Congress*, Vol. 2, assessments and scientific basis for management options. Centers for Water and Wildland Resources, University of California, Davis, CA.
- FRANKLIN, J. F., T. A. SPIES, R. VAN PELT, A. B. CAREY, D. A. THORNBURGH, D. RAE BERG, D. B. LINDENMAYER, M. E. HARMON, W. S. KEETON, D. C. SHAW, K. BIBLE, AND J.

- CHEN. 2002. Disturbances and structural development of natural forest ecosystems with silvicultural implications, using Douglas-fir forests as an example. *Forest Ecology and Management* 155:399–423.
- FRETWELL, S. D., AND H. L. LUCAS. 1970. On territorial behavior and other factors influencing habitat distribution in birds. *Acta Biotheoretica* 19:16–36.
- FROSLIE, A., G. HOLT, AND G. NORHEIM. 1986. Mercury and persistent chlorinated hydrocarbons in owls *Strigiformes* and birds of prey *Falconiformes* collected in Norway during the period 1965–1983. *Environmental Pollution (Series B)* 11:91–108.
- FULÉ, P. Z., W. W. COVINGTON, AND M. M. MOORE. 1997. Determining reference conditions for ecosystem management of southwestern ponderosa pine forests. *Ecological Applications* 7:895–908.
- FULLER, M. R. 1996. Forest raptor population trends in North America. Pp. 167–208 in R. M. DeGraaf, and R. I. Miller (editors). *Conservation of faunal diversity in forested landscapes*. Chapman & Hall, London, UK.
- FULLER, M. R., AND J. A. MOSHER. 1987. Raptor survey techniques. Pp. 37–65 in B. A. Giron Pendleton, B. A. Millsap, K. W. Cline, and D. M. Bird (editors). *Raptor management techniques manual*. National Wildlife Federation Scientific and Technical Series 10, Washington, DC.
- FULLER, M. R., W. S. SEEGAR, AND L. S. SCHUECK. 1998. Routes and travel rates of migrating Peregrine Falcons (*Falco Peregrinus*) and Swainson's Hawks (*Buteo swainsoni*) in the western hemisphere. *Journal of Avian Biology* 29:433–440.
- GABRIËLS, J. 2004. Havik (*Accipiter gentilis*). Pp. 166–167 in G. Vermeersch, A. Anselin, K. Devos, M. Herremans, J. Stevens, and B. Van Der Krieken (editors). *Atlas van de Vlaamse broedvogels 2000–2002*. Mededelingen van het Instituut voor Natuurbehoud, Brussels, Belgium.
- GALBRAITH, C. A., D. A. STROUD, AND D. B. A. THOMPSON. 2003. Towards resolving raptor-human conflicts. Pp. 527–535 in D. B. A. Thompson, S. M. Redpath, A. H. Fielding, M. Marquiss, and C. A. Galbraith (editors). *Birds of prey in a changing environment*. Scottish Natural Heritage/The Stationary Office, Edinburgh, UK.
- GAINES, D. 1988. *Birds of Yosemite and the east slope*. Artemisia Press. Lee Vining, CA.
- GALLI, A. E., C. F. LECK, AND R. T. T. FORMAN. 1976. Avian distribution patterns in forest islands of different sizes in central New Jersey. *Auk* 93:356–364.
- GALUSHIN, V. M. 1974. Synchronous fluctuations in populations of some raptors and their prey. *Ibis* 116: 127–134.
- GAMAUF, A. 1988a. Hierarchische Ordnung in der Wahl der Nistplatz- und Jagdhabitate dreier sympatrischer Greifvogelarten (*Buteo buteo*, *Pernis apivorus*, *Accipiter gentilis*). Ph.D. dissertation, University of Vienna, Vienna, Austria.
- GAMAUF, A. 1988b. Der Einfluß des Waldsterbens auf die Horstbaumwahl einiger Greifvogelarten (Accipitridae). *Ökologie der Vögel* 10:79–83.
- GAMAUF, A. 1991. Greifvögel in Österreich: Bestand-Bedrohung-Gesetz. Monographien Bd. 29. Bundesministerium für Umwelt, Jugend und Familie, Vienna, Austria.
- GARSHELIS, D. L. 2000. Delusions in habitat evaluation: measuring use, selection, and importance. Pp. 111–164 in L. Boitani, and T. K. Fuller (editors). *Research techniques in animal ecology: controversies and consequences*. Columbia University Press, New York, NY.
- GATTO, A. E., T. G. GRUBB, AND C. L. CHAMBERS. 2005. Red-tailed Hawk dietary overlap with Northern Goshawks on the Kaibab Plateau, Arizona. *Journal of Raptor Research* 39:439–444.
- GAVIN, T. A., R. T. REYNOLDS, S. M. JOY, D. LESLIE, AND B. MAY. 1998. Genetic evidence for low frequency of extra-pair fertilizations in Northern Goshawks. *Condor* 100:556–560.
- GEDEON K. 1984. Daten zur Brutbiologie des Habichts, *Accipiter gentilis* (L.), im Bezirk Karl-Marx-Stadt. *Faunistische Abhandlungen Staatliches Museum für Tierkunde in Dresden* 11:157–160.
- GEDEON, K. 1994. Monitoring Greifvögel und Eulen. Grundlagen und Möglichkeiten einer langfristigen Überwachung von Bestandsgrößen und Reproduktionsdaten. Ph.D. dissertation, University of Halle, Halle, Germany.
- GEUENS, A. 1994. Havik *Accipiter gentilis*. Pp. 82–83 in J. Gabriëls, J. Stevens, and P. Van Sanden (editors). *Broedvogelatlas van Limburg: Veranderingen in aantallen en verspreiding na 1985*. Provincie Limburg, Genk, The Netherlands.
- GILES, R. H., JR. 1978. *Wildlife management*. W. H. Freeman and Co., San Francisco, CA.
- GILMER, D. S., P. M. KONRAD, AND R. E. STEWART. 1983. Nesting ecology of Red-tailed Hawks and Great Horned Owls in central North Dakota and their interactions with other large raptors. *Prairie Naturalist* 15: 133–143.
- GILPIN, M. 1991. The genetic effective size of a metapopulation. *Biological Journal of the Linnean Society* 42: 165–175.
- GLUTZ VON BLOTZHEIM, U. N., K. M. BAUER, AND E. BEZZEL (EDITORS). 1971. *Handbuch der Vögel Mitteleuropas*. Bd. 4. Akademische Verlagsgesellschaft, Frankfurt am Main, Germany.
- GONZÁLEZ-SOLÍS, J., D. ORO, V. PEDROCCHI, L. JOVER, AND X. RUIZ. 1997. Bias associated with diet samples in Audouins Gulls. *Condor* 99:773–779.
- GOOD, R. E. 1998. Factors affecting the relative use of Northern Goshawk (*Accipiter gentilis*) kill areas in southcentral Wyoming. M.S. thesis, University of Wyoming, Laramie, WY.
- GOOD, R. E., S. H. ANDERSON, J. R. SQUIRES, AND G. McDANIEL. 2001. Observations of Northern Goshawk prey delivery behavior in southcentral Wyoming. *Intermountain Journal of Science* 7:34–40.
- GOODWIN, J. G., JR., AND R. C. HUNGERFORD. 1979. Rodent population densities and food habits in Arizona ponderosa pine forests. *USDA Forest Service Research*

- Paper RM-214. USDA Forest Service, Rocky Mountain Forest and Range Experiment Station. Fort Collins, CO.
- GOSZCZYŃSKI, J. 1997. Density and productivity of Common Buzzard *Buteo buteo* and Goshawk *Accipiter gentilis* populations in Rogów, Central Poland. *Acta ornithologica* 32:149–155.
- GOSZCZYŃSKI, J. 2001. The breeding performance of the Common Buzzard *Buteo buteo* and Goshawk *Accipiter gentilis* in Central Poland. *Acta ornithologica* 36: 105–110.
- GOSZCZYŃSKI, J. A., AND T. PIŁATOWSKI. 1986. Diet of Common Buzzard (*Buteo buteo* L.) and Goshawk (*Accipiter gentilis* L.) in the nesting period. *Ekologia Polska* 34:655–667.
- GÖTMARK, F., AND P. POST. 1996. Prey selection by Sparrowhawks *Accipiter nisus*—relative predation risk for breeding passerine birds in relation to their size, ecology and behaviour. *Philosophical Transactions of the Royal Society of London B* 351:1559–1577.
- GRAFEN, A., AND R. HAILS. 2002. Modern statistics for the life sciences. Oxford University Press, Oxford, UK.
- GRAHAM, R. T., R. T. REYNOLDS, M. H. REISER, R. L. BASSETT, AND D. A. BOYCE, JR. 1994. Sustaining forest habitat for the Northern Goshawk: a question of scale. *Studies in Avian Biology* 16:12–17.
- GRAHAM, R. T. (TECHNICAL EDITOR). 2003. Hayman fire case study. USDA Forest Service General Technical Report RMRS-GTR-114. USDA Forest Service, Rocky Mountain Research Station, Ogden, UT.
- GRAHAM, R. T., A. E. HARVEY, T. B. JAIN, AND J. R. TONN. 1999a. The effects of thinning and similar stand treatments on fire behavior in western forests. USDA Forest Service General Technical Report PNW-GTR-463. USDA Forest Service, Pacific Northwest Research Station, Portland, OR.
- GRAHAM, R. T., R. L. RODRIGUEZ, K. M. PAULIN, R. L. PLAYER, A. P. HEAP, AND R. WILLIAMS. 1999b. The Northern Goshawk in Utah: habitat assessment and management recommendations. USDA Forest Service General Technical Report RMRS-GTR-22. USDA Forest Service, Dixie National Forest, Cedar City, UT.
- GRAHAM, R. T., S. McCAFFREY, AND T. B. JAIN (TECHNICAL EDITORS). 2004. Science basis for changing forest structure to modify wildfire behavior and severity. USDA Forest Service General Technical Report RMRS-GTR-120. USDA Forest Service, Rocky Mountain Research Station, Ogden, UT.
- GREENWALD, D. N., D. C. CROCKER-BEDFORD, L. BROBERG, K. F. SUCKLING, AND T. TIBBITTS. 2005. A review of Northern Goshawk habitat selection in the home range and implications for forest management in the western United States. *Wildlife Society Bulletin* 33:120–129.
- GREENWOOD, P. J. 1980. Mating systems, philopatry, and dispersal in birds and mammals. *Animal Behaviour* 28:1140–1162.
- GREENWOOD, P. J., AND J. H. HARVEY. 1982. The natal and breeding dispersal in birds. *Annual Review of Ecology and Systematics* 13:1–21.
- GRELL, M. B. 1998. Fuglenes Danmark. Gads Forlag, Copenhagen, Denmark.
- GRINNELL, J., AND A. H. MILLER. 1944. The distribution of the birds of California. Cooper Ornithological Club, Pacific Coast Avifauna Number 27.
- GROMME, O. J. 1935. The Goshawk (*Astur atricapillus atricapillus*) nesting in Wisconsin. *Auk* 52:15–20.
- GRØNNESBY, S., AND T. NYGÅRD. 2000. Using time-lapse video monitoring to study prey selection by breeding Goshawks *Accipiter gentilis* in central Norway. *Ornis Fennica* 77:117–129.
- GROVES, C. R., M. W. BECK, J. V. HIGGINS, E. C. SAXON, AND M. L. HUNTER. 2003. Drafting a conservation blueprint: a practitioner's guide to planning for biodiversity. Island Press, Covelo, CA.
- GRUBAČ, B. 1988. Contributions to the ecology and ethology of the Goshawk (*Accipiter gentilis*) in south-eastern Yugoslavia. *Larus* 40:97–110.
- GRUBB, T. G., L. L. PATER, AND D. K. DELANEY. 1998. Logging truck noise near nesting Northern Goshawks. USDA Forest Service Research Note RMRS-RN-3. USDA Forest Service, Rocky Mountain Research Station, Ft. Collins, CO.
- GRÜNHAGEN, H. 1981. Zur Jagd des Habichts (*Accipiter gentilis*) aus dem hohen Kreisen. *Charadrius* 17: 68–70.
- GRÜNHAGEN, H. 1983. Regionale Unterschiede im Alter brütender Habichtweibchen (*Accipiter gentilis*). *Vogelwelt* 104:208–214.
- GRÜNKORN, T. 2000. Untersuchungen zum Einfluß des Uhus (*Bubo bubo*) auf Verbreitung und Bruterfolg einiger Großvogelarten im Wald. Gutachten für den Landesverband für Eulenschutz e.V. Schleswig-Holstein. Schleswig, Germany.
- GRZYBOWSKI, J. A., AND S. W. EATON. 1976. Prey items of Goshawks in southwestern New York. *Wilson Bulletin* 88:669–670.
- GULDIN, J. M., D. CAWRSE, R. GRAHAM, M. HEMSTROM, L. JOYCE, S. KESSLER, R. MCNAIR, G. PETERSON, C. SHAW, P. STINE, M. TWERY, AND J. WALTER. 2003. Science consistency reviews: a primer for application. USDA Forest Service FS-771. USDA Forest Service, Washington, DC.
- GULLION, G. W. 1981a. A quarter century of Goshawk nesting at Cloquet. *Loon* 53:3–5.
- GULLION, G. W. 1981b. The impact of Goshawk predation upon Ruffed Grouse. *Loon* 53:82–84.
- GULLION, G. W., AND A. A. ALM. 1983. Forest management and Ruffed Grouse populations in a Minnesota coniferous forest. *Journal of Forestry* 81:529–532, 536.
- GURNELL, J. 1984. Home range, territoriality, caching behavior and food supply of the red squirrel (*Tamiasciurus hudsonicus fremonti*) in a subalpine lodgepole pine forest. *Animal Behavior* 32:1119–1131.
- HAGEN, Y. 1942. Totalgewichts-Studien bei norwegischen Vogelarten: 63. *Accipiter g. gentilis* (L.) Habicht. *Archiv für Naturgeschichte* 11:50–63.
- HAGEN, Y. 1952. Rovfuglene og viltpleien. Gyldendal Norsk forlag, Oslo, Norway.

- HAHN, E., K. HAHN, AND M. STOEPLER. 1989. Schwermetalle in Federn von Habichten (*Accipiter gentilis*) aus unterschiedlich belasteten Gebieten. *Journal für Ornithologie* 130:303–309.
- HAIG, I. T., K. P. DAVIS, AND R. H. WEIDMAN. 1941. Natural regeneration in the western white pine type. USDA Technical Bulletin No. 767. Washington, DC.
- HALLA, Y., AND O. JÄRVINEN. 1990. Northern forests and their bird species assemblages. Pp. 61–85 in A. Keast (editor). *Biogeography and ecology of forest bird communities*. SPB Academic Publishing bv, The Hague, The Netherlands.
- HAKKARAINEN, H., S. MYKRÄ, S. KURKI, R. TORNBERG, S. JUNGELL, AND A. NIKULA. 2004. Long-term change in territory occupancy pattern of Goshawks (*Accipiter gentilis*). *Ecoscience* 11:399–403.
- HALDEMAN, J. R. 1968. Breeding birds of a ponderosa pine forest in the San Francisco Mountains, Arizona. M.S. thesis, Northern Arizona University, Flagstaff, AZ.
- HALL, E. R. 1981. *The mammals of North America*. John Wiley and Sons, New York, NY.
- HALL, J. G. 1981. A field study of the Kaibab squirrel in Grand Canyon National Park. *Wildlife Monographs* 75:6–54.
- HALL, L. S., P. R. KRAUSMAN, AND M. L. MORRISON. 1997. The habitat concept and a plea for standard terminology. *Wildlife Society Bulletin* 25:173–182.
- HALL, P. A. 1984. Characterization of nesting habitat of Goshawks (*Accipiter gentilis*) in northwestern California. M.S. thesis, Humboldt State University, Arcata, CA.
- HALLEY, D. J. 1996. Movements and mortality of Norwegian Goshawks *Accipiter gentilis*: an analysis of ringing data. *Fauna Norvegica Ser C Cinclus* 19:55–67.
- HALLEY, D. J., T. NYGARD, AND B. WISETH. 2000. Winter home range and summer movements of a male Goshawk *Accipiter gentilis* from fledging to first breeding. *Ornis Norvegica* 23:31–37.
- HAMMERSTROM, F., AND R. N. HAMMERSTROM. 1973. Nest boxes: an effective management tool for Kestrels. *Journal of Wildlife Management* 37:400–403.
- HANAUSKA-BROWN, L. A., M. J. BECHARD, AND G. J. ROLOFF. 2003. Northern Goshawk breeding ecology and nesting growth in mixed coniferous forests of west-central Idaho. *Northwest Science* 77:331–339.
- HANN, W. J., J. L. JONES, M. G. KARL, P. F. HESSBURG, R. E. KEANE, D. G. LONG, J. P. MENAKIS, C. H. MCNICOLL, S. G. LEONARD, R. A. GRAVENMIER, AND B. G. SMITH. 1997. Landscape dynamics of the Basin. Pp. 338–1055 in T. M. Quigley, and S. J. Arbelbide (technical editors). *An assessment of ecosystem components in the interior Columbia Basin and portions of the Klamath and Great Basins: Volume II*. USDA Forest Service General Technical Report PNW-405. USDA Forest Service, Pacific Northwest Research Station, Portland, OR.
- HANSKI, I. 1982. Dynamics of regional distribution: the core and satellite species hypothesis. *Oikos* 38:210–221.
- HANTGE, E. 1980. Untersuchungen über den Jagderfolg mehrerer europäischer Greifvögel. *Journal für Ornithologie* 121:200–207.
- HARGIS, C. D., C. MCCARTHY, AND R. D. PERLOFF. 1994. Home ranges and habitats of Northern Goshawks in eastern California. *Studies in Avian Biology* 16:66–74.
- HARMATA, A. R., AND D. W. STAHLCKER. 1993. Fidelity of Bald Eagles to wintering grounds in southern Colorado and northern New Mexico. *Journal of Field Ornithology*. 64:1–9.
- HARRADINE, J., N. REYNOLDS, AND T. LAWS. 1997. Raptors and gamebirds—a survey of game managers affected by raptors. British Association for Shooting and Conservation. Marford Mill, UK.
- HARRIS, L. D., T. S. HOCTOR, AND S. E. GERGEL. 1996. Landscape processes and their significance to biodiversity conservation. Pp. 319–345 in O. E. Rhodes, R. K. Chesser, and M. H. Smith. (editors). *Population dynamics in ecological time and space*. University of Chicago Press. Chicago, IL.
- HART, E. B. 1976. Life history notes on the cliff chipmunk, *Eutamias dorsalis*, in Utah. *Southwestern Naturalist* 21:243–246.
- HARTMAN, F. A. 1955. Heart weight in birds. *Condor* 57:221–238.
- HARVEY, A. E., R. T. GRAHAM, AND G. I. McDONALD. 1999. Tree species composition change forest soil organism interaction: potential affects on nutrient cycling and conservation processes in interior forests. Pp.137–145 in R. Meurisse, W. G. Ypsllantis, and C. Seybold (technical editors). USDA Forest Service General Technical Report PNW-461. USDA Forest Service, Pacific Northwest Research Station, Portland, OR.
- HATT, R. T. 1943. The pine squirrel in Colorado. *Journal of Mammalogy* 24:311–345.
- HAUKIOJA, E., AND M. HAUKIOJA. 1970. Mortality rates of Finnish and Swedish Goshawks (*Accipiter gentilis*). *Finnish Game Research* 31:13–20.
- HAUSCH, I. 1997. Habicht *Accipiter gentilis* (Linné 1758). Chapter 8.1.11.1 in K.-H. Berck, R. Burkhardt, O. Diehl, W. Heimer, M. Korn, and W. Schindler (editors). *Avifauna von Hessen*, 3. Lieferung. Hessische Gesellschaft für Ornithologie und Naturschutz e.V., Echzell, Germany.
- HAVERA, S. P., AND R. E. DUZAN. 1986. Organochlorine and PCB residues in tissues of raptors from Illinois, 1966–1981. *Bulletin of Environmental Contamination and Toxicology* 36:23–32.
- HAWK MOUNTAIN NEWS. 1979. The migration: Hawk Mountain 1978. *Hawk Mountain News* 51:30–35.
- HAYNES, R. W., R. T. GRAHAM, AND T. M. QUIGLEY. 1996. A framework for ecosystem management in the interior Columbia Basin and portions of the Klamath and Great Basins. USDA Forest Service and USDI Bureau of Land Management General Technical Report PNW-374. USDA Forest Service, Pacific Northwest Research Station, Portland, OR.
- HAYWARD, G. D., AND R. E. ESCANO. 1989. Goshawk nest-site characteristics in western Montana and northern Idaho. *Condor* 91:476–479.
- HEATH, M., C. BORGGREVE, AND N. PEET. 2000. European bird populations: estimates and trends. *BirdLife International*, Cambridge, UK.

- HEIJ, G. J., AND T. SCHNEIDER (EDITORS). 1991. Acidification research in The Netherlands. Studies in Environmental Science 46. Elsevier, Amsterdam, The Netherlands.
- HEINTZELMAN, D. S. 1976. A guide to eastern hawk watching. Keystone Books, Pennsylvania State University Press, University Park, PA.
- HEISE, G. 1986. Siedlungsdichte und Bruterfolg des Habichts (*Accipiter gentilis*) im Kreis Prenzlau, Uckermark. Beiträge zur Vogelkunde 32:113–120.
- HENJUM, M. G. 1996. Maintaining ecological integrity of inland forest ecosystems in Oregon and Washington. Wildlife Society Bulletin 24:227–232.
- HENNESSY, S. P. 1978. Ecological relationships of accipiters in northern Utah with special emphasis on the effects of human disturbance. M.S. thesis, Utah State University, Logan, UT.
- HENNY, C. J., R. A. OLSEN, AND T. L. FLEMING. 1985. Breeding chronology, molt, and measurements of *Accipiter* Hawks in northeastern Oregon. Journal of Field Ornithology 56:97–112.
- HENSLER, G. L., AND J. D. NICHOLS. 1981. Mayfield method of estimating nesting success: model, estimators and simulation results. Wilson Bulletin 93:42–53.
- HENTTONEN, H. 1989. Metsien rakenteen vaikutuksesta myyräkantoihin ja sitä kautta pikkupetoihin-hypoteesi. Suomen Riista 35:83–90.
- HERRON, G. B., C. A. MORTIMORE, AND M. S. RAWLINGS. 1985. Nevada raptors: their biology and management. Biological Bulletin No. 8, Nevada Department of Wildlife, Reno, NV.
- HERZKE, D., R. KALLENBORN, AND T. NYGÅRD. 2002. Organochlorines in egg samples from Norwegian birds of prey: congener-isomer- and enantiomer specific considerations. Science of the total environment 291:59–71.
- HEUVELINK, G. B. M. 1998. Error propagation in environmental modelling with GIS. Taylor & Francis, London, UK.
- HICKEY, J. J. (EDITOR). 1969. Peregrine Falcon populations: their biology and decline. University of Wisconsin Press, Madison, WI.
- HILLERICH, K. 1978. Ergebnisse aus 20-jähriger Planberingung von Greifvögeln der Beringungsgemeinschaft Rothmann. Luscinia 43:187–205.
- HIRONS, G. J. M. 1985. The importance of body reserves for successful reproduction in the Tawny Owl (*Strix aluco*). Journal of Zoology, London (B) 1:1–20.
- HOFFMAN, S. W., J. P. SMITH, AND T. D. MEEHAN. 2002. Breeding grounds, winter ranges, and migratory routes of raptors in the mountain west. Journal of Raptor Research 36:97–110.
- HOFFMEISTER, D. F. 1971. Mammals of Grand Canyon. University Illinois Press, Urbana, IL.
- HOFFMEISTER, D. F. 1986. Mammals of Arizona. University of Arizona Press, Tucson, AZ, and Arizona Game and Fish Department, Phoenix, AZ.
- HOFSLUND, P. B. 1973. An invasion of Goshawks. Raptor Research 7:107–108.
- HÖGLUND, N. 1964a. Der Habicht (*Accipiter gentilis* L.) in Fennoskandia. Viltrevy 2:195–269.
- HÖGLUND, N. 1964b. Über die Ernährung des Habichts (*Accipiter gentilis* L.) in Schweden. Viltrevy 2: 271–328.
- HOLLING, C. S. 1959. Some characteristics of simple types of predation and parasitism. Canadian Entomologist 91:385–398.
- HOLSTEIN, V. 1942. Duehøgen. Hirschsprung, Copenhagen, Denmark.
- HOLZAPFEL, C., O. HÜPPOP, AND R. MULSOW. 1984. Die Vogelwelt von Hamburg und Umgebung, Band 2. Wachholtz Verlag, Neumünster, Germany.
- HÖLZINGER, J. 1987. Forstwirtschaft. Pp. 92–115 in J. Hölzinger (editor). Die Vögel Baden-Württembergs, Band 1.1. Eugen Ulmer Verlag, Stuttgart, Germany.
- HOOG, P. N., W. EICHENLAUB, AND E. SOLOMON. 1999. The animal movement program. USGS, Alaska Biological Science Center, Anchorage, AK.
- HORTON, S. P., AND R. W. MANNAN. 1988. Effects of prescribed fire on snags and cavity-nesting birds in southeastern Arizona pine forests. Wildlife Society Bulletin 16: 37–44.
- HOSMER, D. W., AND S. LEMESHOW. 1989. Applied logistic regression. John Wiley and Sons, New York, NY.
- HOUSTON, C. S. 1975. Close proximity of Red-tailed Hawk and Great Horned Owl nests. Auk 92:612–614.
- HOUSTON, C. S., D. G. SMITH, AND C. ROHNER. 1998. Great Horned Owl (*Bubo virginianus*). In A. Poole, and F. Gill (editors). The birds of North America, No. 372. The Academy of Natural Sciences, Philadelphia, PA and The American Ornithologists' Union, Washington, DC.
- HOUSTON, D. C. 1975. Ecological isolation of African scavenging birds. Ardea 63:55–64.
- HOWE, R. W., G. J. NIEMI, S. J. LEWIS, AND D. A. WELSH. 1997. A standard method of monitoring songbird populations in the Great Lakes Region. Passenger Pigeon 59:183–194.
- HOWELL, J., B. SMITH, J. B. HOLT, JR., AND D. R. OSBORNE. 1978. Habitat structure and productivity in Red-tailed Hawks. Bird Banding 49:162–171.
- HUBBARD, J. P. 1992. A taxonomic assessment of the Northern Goshawk in southwestern North America. New Mexico Department of Game and Fish, Santa Fe, NM.
- HUHTALA, K. 1976. Kanahaukan ravinnosta. Suomen Luonto 35:305–309.
- HUHTALA, K., AND S. SULKAVA. 1976. Kanahaukan pesimäbiologiasta. Suomen Luonto 35:299–303.
- HUHTALA, K., AND S. SULKAVA. 1981. Environmental influences on Goshawk breeding in Finland. Pp. 89–104 in R. E. Kenward, and I. M. Lindsay (editors). Understanding the Goshawk. International Association for Falconry and Conservation of Birds of Prey, Oxford, UK.
- HUNT, W. G. 1998. Raptor floaters at Moffat's equilibrium. Oikos 82:191–197.
- HUNTER, M. D., T. OHGUSHI, AND P. W. PRICE (EDITORS). Effects of resource distribution on animal-plant interactions. Academic Press. San Diego, CA.

- HUTTO, R. L. 1990. Measuring the availability of food resources. *Studies in Avian Biology* 13:20–29.
- HUTTO, R. L., AND J. S. YOUNG. 2002. Regional landbird monitoring: perspectives from the northern Rocky Mountains. *Wildlife Society Bulletin* 30:738–750.
- HYSLOP, C. 1995. A report on results of national and regional ornithological surveys in Canada. *Canadian Wildlife Service, Bird Trends* 4:1–32.
- INGLES, L. G. 1965. *Mammals of the Pacific states*. Stanford University Press, Stanford, CA.
- INGRALDI, M. F. 1998. Population biology of Northern Goshawks in east-central Arizona. Arizona Game and Fish Department Technical Report 133. Phoenix, AZ.
- INGRALDI, M. F. 1999. Population biology of Northern Goshawks (*Accipiter gentilis*) in east-central Arizona. Ph.D. dissertation, Northern Arizona University, Flagstaff, AZ.
- INGRALDI, M. F., AND S. R. MACVEAN. 1994. Nest-site selection by Northern Goshawks in a ponderosa pine forest in east-central Arizona. Technical Report 47. Nongame and Endangered Wildlife Program, Arizona Game and Fish Department, Phoenix, AZ.
- INSIGHTFUL CORP. 2001. S-plus for Windows v. 6.0. Insightful Corporation, Seattle, WA.
- IVANOVSKY, V. V. 1998. Current status and breeding ecology of the Goshawk *Accipiter gentilis* in northern Belarus. Pp. 111–115 in R. D. Chancellor, B. -U. Meyburg, and J. J. Ferrero (editors). *Holarctic Birds of Prey, ADENEX-WWGBP*, Calamonte, Spain.
- IVERSON, G. C., G. D. HAYWARD, K. TITUS, E. DEGAYNER, R. E. LOWELL, D. C. CROCKER-BEDFORD, P. F. SCHEMPF, AND J. LINDELL. 1996. Conservation assessment of the Northern Goshawk in southeast Alaska. USDA Forest Service General Technical Report PNW-GTR 387. USDA Forest Service, Pacific Northwest Research Station, Portland, OR.
- JACOB, M., AND K. WITT. 1986. Beutetiere des Habichts (*Accipiter gentilis*) zur Brutzeit in Berlin 1982–1986. *Ornithologische Berichte für Berlin (West)* 11:187–195.
- JAKSIC, F. M. 1983. The trophic structure of sympatric assemblages of diurnal and nocturnal birds of prey. *American Midland Naturalist* 109:152–162.
- JÄLEFORS, K. 1981. A Goshawk with severe throat injury. *Var Fagelvarld* 40:218–219.
- JAMES, D. A., AND J. C. NEAL. 1986. *Arkansas birds: their distribution and abundance*. University of Arkansas Press, Fayetteville, AR.
- JAMES, F. C., C. A. HESS, AND D. KUFRIN. 1997. Species-centered environmental analysis: indirect effects of fire history on Red-cockaded Woodpeckers. *Ecological Applications* 7:118–129.
- JAMES, F. C., AND H. H. SHUGART, JR. 1970. A quantitative method of habitat description. *Audubon Field Notes* 24:727–736.
- JAMESON, E. W., JR., AND H. PEETERS. 1988. *California mammals*. University of California Press, Berkeley, CA.
- JANES, S. W. 1984. Influences of territory composition and interspecific competition on Red-tailed Hawk reproductive success. *Ecology* 65:862–870.
- JANES, S. W. 1985a. Habitat selection in grassland and open-country birds. Pp. 191–226 in M. L. Cody (editor). *Habitat selection in birds*. Academic Press, Inc., San Diego, CA.
- JANES, S. W. 1985b. Habitat selection in raptorial birds. Pp. 159–188 in M. L. Cody (editor). *Habitat selection in birds*. Academic Press, Inc., San Diego, CA.
- JANSSEN, R. B. 1987. *Birds in Minnesota*. University of Minnesota Press, Minneapolis, MN.
- JĘDRZEJEWSKA, B., AND W. JĘDRZEJEWSKI. 1998. Predation in vertebrate communities. The Białowieża Forest as a case study. Springer Verlag, Berlin, Germany.
- JOHANSSON, C., P. J. HARDIN, AND C. M. WHITE. 1994. Large-area habitat modeling in Dixie National Forest using vegetation and elevation data. *Studies in Avian Biology* 16:50–57.
- JOHNSGARD, P. A. 1990. *Hawks, eagles, and falcons of North America*. Smithsonian Institution Press, Washington, DC.
- JOHNSON, D. H. 1979. Estimating nest success: the Mayfield method and an alternative. *Auk* 96:651–661.
- JOHNSON, D. H. 1992. Spotted Owls, Great Horned Owls, and forest fragmentation in the central Oregon Cascades. M.S. thesis, Oregon State University, Corvallis, OR.
- JOHNSON, D. R. 1989. Body size of Northern Goshawks on coastal islands of British Columbia. *Wilson Bulletin* 101:637–639.
- JOHNSON, K. N., J. F. FRANKLIN, J. W. THOMAS, AND J. GORDON. 1991. Alternatives for management of late-successional forests of the Pacific Northwest. A report to the Agriculture Committee and the Merchant Marine and Fisheries Committee of the U.S. House of Representatives, Washington, DC.
- JOHNSON, M. A. 1994. Changes in southwestern forests: stewardship implications. *Journal of Forestry* 12: 16–19.
- JOHNSON, M. L., AND M. S. GAINES. 1990. Evolution of dispersal: theoretical models and empirical tests using birds and mammals. *Annual Review of Ecology and Systematics* 21:449–480.
- JOIRIS, C., AND K. DELBEKE. 1985. Contamination by PCBs and organochlorine pesticides of Belgian birds of prey, their eggs and their food, 1969–1982. Pp. 403–414 in H. W. Nurnberg (editor). *Pollutants and their Ecotoxicological Significance*. John Wiley & Sons Ltd., London, UK.
- JOLLY, G. M. 1965. Explicit estimates from capture-recapture data with both death and immigration—stochastic model. *Biometrika* 52:225–247.
- JØRGENSEN, H. E. 1989. Danmarks Rovfugle—en statusoversigt. Frederikshus, Øster Ulslev, Denmark.
- JØRGENSEN, H. E. 1998. Status for de danske rovfuglebestande. *Dansk Ornitologisk Forenings Tidsskrift* 92:299–306.
- JOUBERT, B. 1994. Autour des palombes. Pp. 190–191 in D. Yeatman-Berthelot (editor). *Nouvel atlas des oiseaux nicheurs de France 1985–1989*. Société Ornithologique de France, Paris, France.

- JOUBERT, B., AND T. MARGERIT. 1986. Aspects du comportement de l'Autour, *Accipiter gentilis*, en Haute-Loire. Nos Oiseaux 38:209–228.
- JOY, S. M. 1990. Feeding ecology of Sharp-shinned Hawks and nest-site characteristics of accipiters in Colorado. M.S. thesis, Colorado State University, Ft. Collins, CO.
- JOY, S. M. 2002. Northern Goshawk habitat on the Kaibab National Forest in Arizona: factors affecting nest locations and territory quality. Ph.D. dissertation, Colorado State University, Ft. Collins, CO.
- JOY, S. M., R. T. REYNOLDS, AND D. G. LESLIE. 1994. Northern Goshawk broadcast surveys: hawk response variables and survey cost. *Studies in Avian Biology* 16:24–30.
- KALABÉR, L. 1984. Notes on the biology and the post-embryonic development of the Goshawk *Accipiter gentilis* in Romania. *Rivista Italiana di Ornitologia* 54: 179–190. (in Italian).
- KAPLAN, E. L., AND P. MEIER. 1958. Nonparametric estimation from incomplete observations. *Journal of the American Statistical Association* 53:457–481.
- KARR, J. R., I. J. SCHLOSSER, AND M. DIONNE. 1992. Bottom-up versus top-down regulation of vertebrate populations: lessons from birds and fish. Pp. 243–286 in M. D. Hunter, T. Ohgushi, and P. W. Price (editors). *Effects of resource distribution on animal-plant Interactions*. Academic Press, San Diego, CA.
- KAUFMANN, M. R., C. M. REGAN, AND P. M. BROWN. 2000. Heterogeneity in ponderosa pine/Douglas-fir forests: age and size structure in unlogged and logged landscapes of central Colorado. *Canadian Journal of Forest Research* 30:698–711.
- KAUHALA, K., P. HELLE, AND E. HELLE. 2000. Predator control and the density and reproductive success of grouse populations in Finland. *Ecography* 23:161–168.
- KAYSER, Y. 1993. Le régime alimentaire de l'Autour des palombes, *Accipiter gentilis* (L.), en Alsace. *Ciconia* 17:143–166.
- KAZAKOV, V. P. 2003. Goshawk in the Balatov forest park of city Perm. Pp. 82–83 in V. P. Belik (editor). *Goshawk: position in ecosystems of Russia*. Materials of the 4th North-Eurasian Conference on Raptors, Penza, Russia. (in Russian).
- KEANE, J. J. 1999. Ecology of the Northern Goshawk in the Sierra Nevada, California. Ph.D. dissertation, University of California, Davis, CA.
- KEANE, J. J., AND M. L. MORRISON. 1994. Northern Goshawk ecology: effects of scale and levels of biological organization. *Studies in Avian Biology* 6:3–11.
- KEHL, G., AND M. ZERNING. 1993. Der Greifvogelbestand und seine Reproduktion auf einer Kontrollfläche bei Potsdam. *Naturschutz und Landschaftspflege Brandenburg* 2 (Special issue 2):10–18.
- KEITH, J. O. 1965. The Abert squirrel and its dependence on ponderosa pine. *Ecology* 46:150–165.
- KEITH, L. B., AND D. H. RUSCH. 1989. Predation's role in the cyclic fluctuations of Ruffed Grouse. *Proceedings of the International Ornithological Congress* 14: 699–732.
- KEITH, L. B., A. W. TODD, C. J. BRAND, R. S. ADAMCIK, AND D. H. RUSCH. 1977. An analysis of predation during a cyclic fluctuation on snowshoe hares. *Proceedings International Congress of Game Biologists* 13:163–174.
- KELLY, E. G., E. D. FORSMAN, AND R. G. ANTHONY. 2003. Are Barred Owls displacing Spotted Owls? *Condor* 105:45–53.
- KEMP, G. A., AND L. B. KEITH. 1970. Dynamics and regulation of red squirrel (*Tamiasciurus hudsonicus*) populations. *Ecology* 51:763–779.
- KENNEDY, J. 2003. A report on results of national ornithological surveys in Canada. *Canadian Wildlife Service, Bird Trends* 9:1–68.
- KENNEDY, P. L. 1988. Habitat characteristics of Cooper's Hawks and Northern Goshawks nesting in New Mexico. Pp. 218–227 in R. L. Glinski, B. Giron Pendleton, M. B. Moss, M. N. LeFranc Jr., B. A. Millsap, and S. W. Hoffman (editors). *National Wildlife Federation Scientific and Technical Series No. 11*, Washington, DC.
- KENNEDY, P. L. 1989. The nesting ecology of Cooper's Hawks and Northern Goshawks in the Jemez Mountains, NM. Final Report 35. USDA Forest Service, Santa Fe National Forest. Santa Fe, NM.
- KENNEDY, P. L. 1990. Home ranges of Northern Goshawks nesting in north central New Mexico. P. 259 in P. R. Klausmen, and N. S. Smith (editors). *Managing wildlife in the Southwest symposium*. Arizona Chapter of the Wildlife Society, Phoenix, AZ.
- KENNEDY, P. L. 1991. Reproductive strategies of Northern Goshawks and Cooper's Hawks in north-central New Mexico. Ph.D. dissertation, Utah State University, Logan, UT.
- KENNEDY, P. L. 1997. The Northern Goshawk (*Accipiter gentilis atricapillus*): is there evidence of a population decline? *Journal of Raptor Research* 31:95–106.
- KENNEDY, P. L. 1998. Evaluating Northern Goshawk (*Accipiter gentilis atricapillus*) population trends: a reply to Smallwood and Crocker-Bedford. *Journal of Raptor Research* 32:336–342.
- KENNEDY, P. L. 2003. Northern Goshawk conservation assessment for Region 2, USDA Forest Service. <<http://www.fs.fed.us/r2/projects/scp/assessments/northerngoshawk.pdf>> (27 September 2005).
- KENNEDY, P. L., AND D. E. ANDERSEN. 1999. Research and monitoring plan for Northern Goshawks in the western Great Lakes region, Final Report. Minnesota Cooperative Fish and Wildlife Research Unit, University of Minnesota, St. Paul, MN.
- KENNEDY, P. L., AND D. W. STAHLCKER. 1993. Responsiveness of nesting Northern Goshawks to taped broadcasts of 3 conspecific calls. *Journal of Wildlife Management* 57:249–257.
- KENNEDY, P. L., AND J. M. WARD. 2003. Effects of experimental food supplementation on movements of juvenile Northern Goshawks (*Accipiter gentilis atricapillus*). *Oecologia* 134:284–291.
- KENNEDY, P. L., J. M. WARD, G. A. RINKER, AND J. A. GESSAMAN. 1994. Post-fledging areas in Northern

- Goshawk home ranges. *Studies in Avian Biology* 16: 75–82.
- KENNTNER, N., O. KRONE, R. ALTENKAMP, AND F. TATARUCH. 2003. Environmental contaminants in liver and kidney of free-ranging Northern Goshawks (*Accipiter gentilis*) from three regions of Germany. *Archives of Environmental Contamination and Toxicology* 45: 128–135.
- KENWARD, R. E. 1976. The effect of predation by Goshawks, *Accipiter gentilis*, on Woodpigeon, *Columba palumbus*, populations. Ph.D. dissertation, University of Oxford, Oxford, UK.
- KENWARD, R. E. 1977. Predation on released pheasants (*Phasianus colchicus*) by Goshawks (*Accipiter gentilis*) in central Sweden. *Viltrevy* 10:79–109.
- KENWARD, R. E. 1978a. Hawks and doves: factors affecting success and selection in Goshawk attacks on Woodpigeons. *Journal of Animal Ecology* 47:449–460.
- KENWARD, R. E. 1978b. The influence of human and Goshawk *Accipiter gentilis* activity on Woodpigeons *Columba palumbus* at brassica feeding sites. *Annals of Applied Biology* 89:277–286.
- KENWARD, R. E. 1979. Winter predation by Goshawks in lowland Britain. *British Birds* 72:64–73.
- KENWARD, R. E. 1982. Goshawk hunting behaviour and range size as a function of food and habitat availability. *Journal of Animal Ecology* 51:69–80.
- KENWARD, R. E. 1986. Problems of Goshawk predation on pigeons and some other game. *Proceedings of the International Ornithological Congress* 18:666–678.
- KENWARD, R. E. 1996. Goshawk adaptation to deforestation: does Europe differ from North America? Pp. 233–243 in D. M. Bird, D. E. Varland, and J. J. Negro (editors). *Raptors in human landscapes*. Academic Press, New York, NY.
- KENWARD, R. E. 2000. Socio-economic problems and solutions in raptor predation. Pp. 565–570 in R. D. Chancellor, and B.-U. Meyburg (editors). *Raptors at risk*. WWGBP/Hancock House, Berlin, Germany.
- KENWARD, R. E. 2002. Identifying the real threats to raptor populations. Pp. 15–21 in R. Yosef, M. L. Miller, and D. Pepler (editors). *Raptors in the new millennium*. International Birding and Research Center in Eilat, Eilat, Israel.
- KENWARD, R. E. 2004. Management tools for raptors. Pp. 329–339 in R. D. Chancellor, and B.-U. Meyburg (editors). *Raptors worldwide*. World Working Group on Birds of Prey and Owls, Berlin, Germany.
- KENWARD, R. E., HALL, D. G., WALLS, S. S., AND K. H. HODDER. 2001. Factors affecting predation by Buzzards (*Buteo buteo*) on released pheasants (*Phasianus colchicus*). *Journal of Applied Ecology* 38:813–822.
- KENWARD, R. E., M. KARLBOM, AND V. MARCSTRÖM. 1983. The price of success in Goshawk trapping. *Raptor Research* 17:84–91.
- KENWARD, R. E., AND I. M. LINDSAY (EDITORS). 1981. *Understanding the Goshawk*. International Association for Falconry and Conservation of Birds of Prey, Oxford, UK.
- KENWARD, R. E., AND V. MARCSTRÖM. 1981. Goshawk predation on game and poultry: some problems and solutions. Pp. 152–162 in R. E. Kenward, and I. M. Lindsay (editors). *Understanding the Goshawk*. International Association for Falconry and Conservation of Birds of Prey, Oxford, UK.
- KENWARD, R. E., AND V. MARCSTRÖM. 1988. How differential competence could sustain suppressive predation on birds. *Proceedings of the International Ornithological Congress* 14:733–742.
- KENWARD, R. E., V. MARCSTRÖM, AND M. KARLBOM. 1981a. Goshawk winter ecology in Swedish pheasant habitats. *Journal of Wildlife Management* 45:397–408.
- KENWARD, R. E., V. MARCSTRÖM, AND M. KARLBOM. 1990. The impact of man and other mortality on radio-tagged Goshawks. *Transactions of the International Union of Game Biologists* 19:116.
- KENWARD, R. E., V. MARCSTRÖM, AND M. KARLBOM. 1991. The Goshawk (*Accipiter gentilis*) as predator and renewable resource. *Gibier et Faune Sauvage* 8: 367–378.
- KENWARD, R. E., V. MARCSTRÖM, AND M. KARLBOM. 1993a. Post-nesting behaviour in Goshawks, *Accipiter gentilis*: I. The causes of dispersal. *Animal Behaviour* 46: 365–370.
- KENWARD, R. E., V. MARCSTRÖM, AND M. KARLBOM. 1993b. Post-nesting behaviour in Goshawks, *Accipiter gentilis*: II. Sex differences in sociality and nest-switching. *Animal Behaviour* 46:371–378.
- KENWARD, R. E., V. MARCSTRÖM, AND M. KARLBOM. 1993c. Causes of death in radio-tagged Northern Goshawks. Pp. 57–61 in P. Redig, J. Cooper, D. Remple, D. Hunter, and T. Hahn (editors). *Raptor biomedicine*. University of Minnesota Press, Minneapolis, MN.
- KENWARD, R. E., V. MARCSTRÖM, AND M. KARLBOM. 1999. Demographic estimates from radio-tagging: models of age-specific survival and breeding in the Goshawk. *Journal of Animal Ecology* 68:1020–1033.
- KENWARD, R. E., M. MARQUISS, AND I. NEWTON. 1981b. What happens to Goshawks trained for falconry? *Journal of Wildlife Management* 45:803–806.
- KENWARD, R. E., AND S. S. WALLS. 1994. The systematic study of radio-tagged raptors: I. survival, home-range and habitat-use. Pp. 303–315 in B.-U. Meyburg, and R. D. Chancellor (editors). *Raptor conservation today*. WWGBP/The Pica Press, East Sussex, UK.
- KENWARD, R. E., S. S. WALLS, K. H. HODDER, M. PAHKALA, S. N. FREEMAN, AND V. R. SIMPSON. 2000. The prevalence of non-breeders in raptor populations: evidence from rings, radio-tags and transect surveys. *Oikos* 91: 271–279.
- KENWARD, R. E., AND P. WIDÉN. 1989. Do Goshawks *Accipiter gentilis* need forests? Some conservation lessons from radio tracking. Pp. 561–567 in B.-U. Meyburg, and R. D. Chancellor (editors). *Raptors in the modern world*. World Working Group on Birds of Prey, Berlin, Germany.
- KERAN, D. 1981. The incidence of man-caused and natural mortalities to raptors. *Raptor Research* 15:108–112.

- KEYMER, I. F. 1972. Diseases of birds of prey. *Veterinary Record* 90:579–594.
- KEYMER, I. F., M. R. FLETCHER, AND P. I. STANLEY. 1981. Causes of mortality on British Kestrels (*Falco tinnunculus*). Pp. 143–151 in J. E. Cooper, and A. G. Greenwood (editors). *Recent advances in the study of raptor diseases*. Chiron Publications, Ltd., Keighley, West Yorkshire, UK.
- KIIL, A. D., AND J. E. GRIGEL. 1969. The May 1968 forest conflagrations in central Alberta. Information Report A-X-24. Forest Research Laboratory, Edmonton, AB, Canada.
- KIMMEL, J. T. 1995. Spatial hierarchy of habitat use by Northern Goshawks in two forest regions of Pennsylvania. Ph.D. dissertation, The Pennsylvania State University, University Park, PA.
- KIMMEL, J. T., AND R. H. YAHNER. 1994. The Northern Goshawk in Pennsylvania: habitat use, survey protocols, and status Final Report. School of Forestry Resources, The Pennsylvania State University, University Park, PA.
- KIRK, D. A., AND C. HYSLOP. 1998. Population status and recent trends in Canadian raptors: a review. *Biological Conservation* 83:91–118.
- KLENNER, W., AND C. J. KREBS. 1991. Red squirrel population dynamics. I. The effect of supplemental food on demography. *Journal of Animal Ecology* 60:961–978.
- KLUTH, S. 1984. Untersuchung zur Beutewahl des Habichts (*Accipiter gentilis* L.): Test der Telemetrie und Kritik bisher angewandter Methoden. Diploma thesis, University of Munich (Ludwig-Maximilian), Munich, Germany.
- KNÜWER, H. 1981. Ergebnisse einer fünfjährigen Greifvogelbestandsaufnahme im Münsterland. *Charadrius* 17: 131–143.
- KOCHERT, M. N., B. A. MILLSAP, AND K. STEENHOF. 1987. Pp. 325–334 in B. Giron Pendleton (editor). *Effects of livestock grazing on raptors with emphasis on the southwestern United States*. Proceedings of the western management symposium and workshop. National Wildlife Federation Scientific and Technical Series 12. Washington, DC.
- KOEMAN, J. H., AND H. VAN GENDEREN. 1965. Some preliminary notes on residues of chlorinated hydrocarbon insecticides in birds and mammals in the Netherlands. *Mededelingen Landbouwhogeschool Gent* 30: 1879–1887.
- KOENIG, W. D., D. VAN VUREN, AND P. N. HOOGE. 1996. Detectability, philopatry, and the distribution of dispersal distances in vertebrates. *Trends in Ecology and Evolution* 11:514–517.
- KOLLINGER, D. 1974. Erkenntnisse über den Habicht (*Accipiter gentilis*) und seinen heutigen Stand. *Jahrbuch des Deutschen Falkenordens* 1974:9–18.
- KONING, F. J., AND G. BAEYENS. 1990. *Uilen in de duinen*. Stichting Uitgeverij Koninklijke Nederlandse Natuurhistorische Vereniging, Utrecht, The Netherlands.
- KORPIMÄKI, E. 1985. Rapid tracking of microtine populations by their avian predators: possible evidence for stabilizing predation. *Oikos* 45:281–284.
- KORPIMÄKI, E. 1993. Does nest-hole quality, poor breeding success or food depletion drive the breeding dispersal of Tengmalm's Owls? *Journal of Animal Ecology* 62: 606–613.
- KORPIMÄKI, E. 1994. Rapid or delayed tracking of multi-annual vole cycles by avian predators? *Journal of Animal Ecology* 63:619–628.
- KORPIMÄKI, E., H. HAKKARAINEN, AND G. F. BENNETT. 1993. Blood parasites and reproductive success of Tengmalm's Owls: detrimental effects of females but not males. *Functional Ecology* 7:420–426.
- KORPIMÄKI, E., AND C. J. KREBS. 1996. Predation and population cycles of small mammals: a reassessment of the predation hypothesis. *BioScience* 46:754–764.
- KORPIMÄKI, E., K. LAGERSTRÖM, AND P. SAUROLA. 1987. Field evidence for nomadism in Tengmalm's Owl *Aegolius funereus*. *Ornis Scandinavica* 18:1–4.
- KORPIMÄKI, E., AND K. NORRDAHL. 1989. Predation of Tengmalm's Owls: numerical responses, functional responses and dampening impact on population fluctuations of microtines. *Oikos* 54:154–164.
- KORPIMÄKI, E., AND K. NORRDAHL. 1991. Do breeding nomadic avian predators dampen population fluctuations of small mammals? *Oikos* 62:195–208.
- KORPIMÄKI, E., AND K. NORRDAHL. 1997. Can the alternative prey hypothesis explain the occurrence of short-term population cycles of small game in Finland? *Suomen Riista* 43:72–84.
- KOS, R. 1980. Der Habicht in der Bundesrepublik Deutschland. *Vogelwelt* 101:161–175.
- KOSTRZEWA, A. 1986. Quantitative Untersuchungen zur Ökologie, Habitatstruktur und Habitattrennung von Mäusebussard (*Buteo buteo*), Habicht (*Accipiter gentilis*) und Wespenbussard (*Pernis apivorus*) unter Berücksichtigung von Naturschutzmanagement und Landschaftsplanung. Ph.D. dissertation, University of Cologne, Cologne, Germany.
- KOSTRZEWA, A. 1987a. Quantitative Untersuchungen zur Habitattrennung von Mäusebussard (*Buteo buteo*), Habicht (*Accipiter gentilis*) und Wespenbussard (*Pernis apivorus*). *Journal für Ornithologie* 128: 209–229.
- KOSTRZEWA, A. 1987b. Territorialität, Konkurrenz und Horstnutzung dreier baumbrütender Greifvogelarten (*Accipitres*). *Journal für Ornithologie* 128:495–496.
- KOSTRZEWA, A. 1991. Interspecific interference competition in three European raptor species. *Ethology, Ecology and Evolution* 3:127–143.
- KOSTRZEWA, A. 1996. A comparative study of nest-site occupancy and breeding performance as indicators for nesting-habitat quality in three European raptor species. *Ethology, Ecology and Evolution* 8:1–18.
- KOSTRZEWA, A., AND R. KOSTRZEWA. 1990. The relationship of spring and summer weather with density and breeding performance of the Buzzard *Buteo buteo*, Goshawk *Accipiter gentilis* and Kestrel *Falco tinnunculus*. *Ibis* 132:550–559.
- KOSTRZEWA, A., AND G. SPEER (EDITORS). 2001. *Greifvögel in Deutschland: Bestand, Situation, Schutz*. 2., vollst. neu

- bearb. und erw. Auflage. AULA-Verlag, Wiebelsheim, Germany.
- KOSTRZEWA, A., R. SPEER, W. VON DEWITZ, AND H. WEISER. 2000. Zur Populationsökologie des Habichts (*Accipiter gentilis*) in der Niederrheinischen Bucht (1981–1998). *Charadrius* 36:80–93.
- KOSTRZEWA, R., AND A. KOSTRZEWA. 1991. Winter weather, spring and summer density, and subsequent breeding success of Eurasian Kestrels, Common Buzzards, and Northern Goshawks. *Auk* 108:342–347.
- KRAMER, V. 1972. Habicht und Sperber. Die Neue Brehm-Bücherei, Bd. 158 (2nd ed.). Ziemsen Verlag, Wittenberg Lutherstadt, Germany.
- KREBS, C. J. 1996. Population cycles revisited. *Journal of Mammalogy* 77:8–24.
- KREBS, C. J., S. BOUTIN, AND R. BOONSTRA. 2001. Ecosystem dynamics of the boreal forest: the Kluane Project. Oxford University Press, Oxford, UK.
- KREBS, J. R., M. I. AVERY, AND A. I. HOUSTON. 1987. Delivering food to a central place: three studies of Bee-eaters *Merops apiaster*. Pp. 173–192 in A. C. Kamil, J. R. Krebs, and H. R. Pulliam (editors). *Foraging behavior*. Plenum Press, New York, NY.
- KREBS, J. R., J. D. WILSON, R. B. BRADBURY, AND G. M. SIRIWARDENA. 1999. The second silent spring? *Nature* 400:611–612.
- KREN, J. 2000. *Birds of the Czech Republic*. Helm, London, UK.
- KRÓL, W. 1985. Breeding density of diurnal raptors in the neighbourhood of Susz (Hawa Lakeland, Poland) in the years 1977–79. *Acta Ornithologica* 21:95–114.
- KRONE, O. 1998. Endoparasiten (Faunistik, Epizootiologie, Pathogenität) bei wildlebenden Greifvögeln aus drei verschiedenen Gebieten Deutschlands. Ph.D. dissertation, University of Berlin (Freie), Berlin, Germany.
- KRONE, O., R. ALTENKAMP, AND N. KENNTNER. 2005. Prevalence of *Trichomonas gallinae* in Northern Goshawks from the Berlin area of northeastern Germany. *Journal of Wildlife Diseases* 41:304–309.
- KRONE, O., J. PRIEMER, J. STREICH, P. SÖMMER, T. LANGGEMACH, AND O. LESSOW. 2001. Haemosporida of birds of prey and owls from Germany. *Acta Protozoologica* 40:281–289.
- KRÜGER, O. 1996. Besonderheiten der Revierstruktur des Habichts (*Accipiter gentilis*) im Teutoburger Wald. *Charadrius* 32:110–112.
- KRÜGER, O. 2002a. Analysis of nest occupancy and nest reproduction in two sympatric raptors: Common Buzzard *Buteo buteo* and Goshawk *Accipiter gentilis*. *Ecography* 25:523–532.
- KRÜGER, O. 2002b. Interactions between Common Buzzard *Buteo buteo* and Goshawk *Accipiter gentilis*: trade-offs revealed by a field experiment. *Oikos* 96:441–452.
- KRÜGER, O., AND J. LINDSTRÖM. 2001. Habitat heterogeneity affects population growth in Goshawk *Accipiter gentilis*. *Journal of Animal Ecology* 70:173–181.
- KRÜGER, O., AND U. STEFENER. 1996. Nahrungsökologie und Populationsdynamik des Habichts *Accipiter gentilis* im östlichen Westfalen. *Vogelwelt* 117:1–8.
- KRÜGER, O., AND U. STEFENER. 2000. Populationsfluktuation und die Rolle der Reproduktion in einer Population des Habichts *Accipiter gentilis*. *Populationsökologie Greifvogel- und Eulenarten* 4:263–271.
- KÜHNAPFEL, O., AND J. BRUNE. 1995. Die Mauserfeder als Hilfsmittel zur Altersbestimmung und Individualerkennung von Habichten (*Accipiter gentilis*). *Charadrius* 31:120–125.
- KURKI, S., P. HELLE, H. LINDÉN, H., AND A. NIKULA. 1997. Breeding success of Black Grouse and Capercaillie in relation to mammalian predator densities on two spatial scales. *Oikos* 79:301–310.
- LA SORTE, F. A., R. W. MANNAN, R. T. REYNOLDS, AND T. G. GRUBB. 2004. Habitat associations of sympatric Red-tailed Hawks and Northern Goshawks on the Kaibab Plateau. *Journal of Wildlife Management* 68:307–317.
- LACK, D. 1966. *Population studies of birds*. Oxford University Press, Oxford, UK.
- LAHAYE, W. S., G. S. ZIMMERMAN, AND R. J. GUTIÉRREZ. 2004. Temporal variation in the vital rates of an insular population of Spotted Owls (*Strix occidentalis occidentalis*): contrasting effects of weather. *Auk*: 121:1056–1069.
- LAMBECK, R. J. 1997. Focal species: a multi-species umbrella for nature conservation. *Conservation Biology* 11:849–856.
- LANDE, R. 1987. Extinction thresholds in demographic models of territorial populations. *American Naturalist* 130:624–635.
- LANDE, R., S. ENGEN, AND B. E. SÆTHER. 2003. *Stochastic population dynamics in ecology and conservation*. Oxford University Press, Oxford, UK.
- LANDRES, P. B., J. VERNER, AND J. W. THOMAS. 1988. Ecological uses of vertebrate indicator species: a critique. *Conservation Biology* 2:316–328.
- LANG, P. A. 1994. Spatial analyses of Northern Goshawk ponderosa pine nest site habitat in east-central Arizona. M.S. thesis, Northern Arizona University Flagstaff, AZ.
- LAPINSKI, N. W. 2000. Habitat use and productivity of the Northern Goshawk in the upper peninsula of Michigan. M.S. thesis, Northern Michigan University, Marquette, MI.
- LAPINSKI, N., W. BOWERMAN, AND S. SJOGREN. 2000. Factors affecting the Northern Goshawk in the Upper Peninsula of Michigan. Pp. 182–191 in R. Yosef, M. L. Miller, and D. Pepler (editors). *Raptors in the new millennium*. International Birding and Research Center, Eilat, Israel.
- LARSEN, K. W., AND S. BOUTIN. 1995. Exploring territory quality in the North American red squirrel through removal experiments. *Canadian Journal of Zoology* 73:1115–1122.
- LAWRENCE, L. DE K. 1967. A comparative life-history study of four species of woodpeckers. *Ornithological Monographs* No. 5.
- LAYNE, J. N. 1954. The biology of the red squirrel *Tamiasciurus hudsonicus loquax* (Bangs), in central New York. *Ecological Monographs* 24:227–267.
- LEBRETON, J. D., AND J. CLOBERT. 1991. Bird population dynamics, management, and conservation: the role of

- mathematical modeling. Pp. 105–125 in C. M. Perrins, J. D. Lebreton, and G. J. Hirons (editors). Bird population studies: relevance to conservation and management. Oxford University Press, Oxford, UK.
- LECHNER, B. S. 2003. Home Ranges urbaner und ruraler Habichte (*Accipiter gentilis*): Fallbeispiele aus Hamburg und Schleswig-Holstein. Diploma thesis, University of Vienna, Vienna, Austria.
- LEE, J. A. 1981a. Comparative breeding behavior of the Goshawk and the Cooper's Hawk. M.S. thesis, Brigham Young University, Provo, UT.
- LEE, J. A. 1981b. Habituation to human disturbance in nesting accipiters. Raptor Research 15:48–52.
- LEHMAN, R. N., AND J. W. ALLENDORF. 1987. Pp. 236–244 in B. Giron Pendleton (editor). The effects of fire, fire exclusion, and fire management on raptor habitats in the western United States. Proceedings of the western management symposium and workshop. National Wildlife Federation Scientific and Technical Series 12. Washington, DC.
- LEHMKUHL, J. F., AND M. G. RAPHAEL. 1998. Habitat pattern around Northern Spotted Owl locations on the Olympic Peninsula. Journal of Wildlife Management 57:302–315.
- LELOV, E. 1991. Breeding raptors and owls at Halinga, SW Estonia, in 1978–1989. Ornis Fennica 68:119–122.
- LENSINK, R. 1997. Range expansion of raptors in Britain and the Netherlands since the 1960s: testing an individual-based diffusion model. Journal of Animal Ecology 66: 811–826.
- LENSINK, R. 2002. Nijlgans *Alopochen aegyptiacus*. Pp. 108–109 in SOVON. Atlas van de Nederlandse Broedvogels 1998–2000, Nederlandse Fauna 5. Nationaal Natuurhistorisch Museum Naturalis, KNNV Uitgeverij and European Invertebrate Survey-Nederland, Leiden, The Netherlands.
- LESSOW, O. 2001. Photograph in “Monthly Marathon” (plate 108). British Birds 94:214–215.
- LEVINS, R. 1969. The effects of random variations of different types on population growth. Proceedings of the National Academy of Sciences 62:1061–1065.
- LEVINS, R. 1970. Extinction. Lectures on Mathematics in the Life Sciences 2:75–107.
- LEVY, P. S., AND S. LEMESHOW. 1999. Sampling of populations: methods and applications, 3rd edition, John Wiley and Sons. New York, NY.
- LEWIS, S. B. 2001. Breeding season diet of Northern Goshawks in southeast Alaska with a comparison of techniques used to examine raptor diet. M.S. thesis, Boise State University, Boise, ID.
- LEWIS, S. B. 2003. Delivery and consumption of a Pigeon Guillemot by nesting Northern Goshawks in southeast Alaska. Wilson Bulletin 115:483–485.
- LEWIS, S. B., M. R. FULLER, AND K. TITUS. 2004. A comparison of 3 methods for assessing raptor diet during the breeding season. Wildlife Society Bulletin 32:373–385.
- LI, P AND, T. E. MARTIN. 1991. Nest-site selection and nesting success of cavity-nesting birds in high elevation forest drainages. Auk 108:405–418.
- LIERZ, M., T. GÖBEL, AND E. F. KALETA. 2002a. Investigations on the prevalence of *Chlamydomydia psittaci*, falcon herpesvirus and paramyxovirus 1 in birds of prey and owls found injured or debilitated Tierärztliche Praxis Ausgabe Kleintiere Heimtiere 30:139–144.
- LIERZ, M., T. GÖBEL, AND R. SCHUSTER. 2002b. Review and investigations on parasites in birds of prey and owls found injured or debilitated. Berliner und Münchener Tierärztliche Wochenschrift 115:43–52.
- LILIEHOLM, R. J., W. B. KESSLER, AND K. MERRILL. 1993. Stand density index applied to timber and goshawk habitat objectives in Douglas-fir. Environmental Management 17:773–779.
- LILIEHOLM, R. J., J. N. LONG, AND S. PATLA. 1994. Assessment of Goshawk nest area habitat using stand density index. Studies in Avian Biology 16:18–23.
- LINDÉN, H., I. P. DANILOV, A. N. GROMTSEV, P. HELLE, E. N. IVANTER, AND J. KURHINEN. 2000. Large-scale forest corridors to connect the taiga fauna to Fennoscandia. Wildlife Biology 6:179–188.
- LINDÉN, H., AND P. RAJALA. 1981. Fluctuations and long-term trends in the relative densities of tetraonid populations in Finland 1964–1977. Finnish Game Research 39:13–34.
- LINDÉN, H., AND M. WIKMAN. 1980. Kanahaukan poikuekoon vaihtelusta suhteessa metsäkanalintujen runsauteen. Suomen Riista 27:63–69.
- LINDÉN, H., AND M. WIKMAN. 1983. Goshawk predation on tetraonids: availability of prey and diet of the predator in the breeding season. Journal of Animal Ecology 52: 953–968.
- LINDSTRÖM, E. R., H. ANDREN, P. ANGELSTAM, G. CEDERLUND, B. HÖRNFELDT, L. JÄDERBERG, P. LEMNELL, B. MARTINSSON, K. SKÖLDT, AND J. E. SWENSON. 1994. Disease reveals the predator: sarcoptic mange, red fox predation, and prey populations. Ecology 75: 1042–1049.
- LINK, H. 1981. Goshawk status in Bavaria. Pp. 57–68 in R. E. Kenward, and I. M. Lindsay (editors). Understanding the Goshawk. International Association for Falconry and Conservation of Birds of Prey, Oxford, UK.
- LINK, H. 1986. Untersuchungen am Habicht (*Accipiter gentilis*): Habitatwahl, Ethologie, Populationsökologie. DFO Schriftenreihe, Heft 2. Ph.D. dissertation, University of Erlangen-Nürnberg, Nürnberg, Germany.
- LINKOLA, P. 1957. Kanahaukkakannan romahdus vuonna 1956. Luonnon tutkija 61:49–58.
- LINT, J., B. NOON, R. ANTHONY, E. FORSMAN, M. RAPHAEL, M. COLLOPY, AND E. STARKEY. 1999. Northern Spotted Owl effectiveness monitoring plan for the Northwest Forest Plan. USDA Forest Service General Technical Report PNW-GTR-440. USDA Forest Service, Pacific Northwest Research Station, Portland, OR.
- LÖHMUS, A. 1993. Kanakulli (*Accipiter gentilis*) toitumisest Eestis aastatel 1987–92. Hirundo 2:3–14.
- LÖHMUS, A. 2001. Selection of foraging habitats by birds of prey in northwestern Tartumaa. Hirundo 14:39–42.
- LÖHMUS, A. 2004. Röövlinnuseire 1999–2003: kanakulli kadu ja hiiretsükli kellaäärk. Hirundo 17:3–18.

- LONG, J. N., AND F. W. SMITH. 2000. Restructuring the forest, goshawks and the restoration of southwestern ponderosa pine. *Journal of Forestry* 98:25–30.
- LOOFT, V. 1981. Habicht—*Accipiter gentilis*. Pp. 101–115 in V. Looft, and G. Busche (editors). *Vogelwelt Schleswig-Holsteins, Band 2: Greifvögel*. Karl Wachholtz Verlag, Neumünster, Germany.
- LOOFT, V. 1984. Die Entwicklung des Habichtbestandes (*Accipiter gentilis*) in Schleswig-Holstein 1968–1984. *Corax* 10:395–400.
- LOOFT, V. 2000. The ups and downs of a Northern Goshawk *Accipiter gentilis* population over a 30 year period—natural dynamics or an artefact? Pp. 499–506 in R. D. Chancellor, and B.-U. Meyburg (editors). *Raptors at risk*. World Working Group on Birds of Prey and Owls, Berlin, Germany.
- LOOPE, L. L. 1969. Subalpine and alpine vegetation of northeastern Nevada. Ph.D. dissertation, Duke University, Durham, NC.
- LOWE, P. O. 1975. Effects of wildfire on wildlife populations in Arizona ponderosa pine. M.S. thesis, University of Arizona, Tucson, AZ.
- LUCAS, P., AND R. J. OAKLEAF. 1975. Population surveys, species distribution, and key habitats of selected non-game species. Federal Aid Wildlife Restoration Project. W-53-R, Study 1, Nevada Department of Fish and Game, Reno, NV.
- LUMELI, J. T., G. M. DORRESTEIN, AND J. W. E. STAM. 1981. Observations on tuberculosis in raptors. Pp. 137–141 in J. E. Cooper, and A. G. Greenwood (editors). *Advances in the study of raptor diseases: proceedings of the international symposium on diseases of birds of prey*. Chiron Publishers, West Yorkshire, UK.
- LUTTICH, S. N., L. B. KEITH, AND J. D. STEPHENSON. 1971. Population dynamics of the Red-tailed Hawk (*Buteo jamaicensis*) at Rochester, Alberta. *Auk* 88:73–87.
- LUTTICH, S., D. H. RUSCH, E. C. MESLOW, AND L. B. KEITH. 1970. Ecology of Red-tailed Hawk predation in Alberta. *Ecology* 51:190–203.
- MACCRACKEN, J. G. 1996. Forest health in the inland Northwest: maintaining the focus. *Wildlife Society Bulletin* 24:325–329.
- MACE, R. D., J. S. WALLER, T. L. MANLEY, K. AKE, AND W. T. WITTINGER. 1999. Landscape evaluation of grizzly bear habitat in western Montana. *Conservation Biology* 13: 367–377.
- MACKENZIE, D. I., J. D. NICHOLS, J. E. HINES, M. G. KNUTSON, AND A. B. FRANKLIN. 2003. Estimating site occupancy, colonization, and local extinction when a species is detected imperfectly. *Ecology* 84:2200–2207.
- MACKENZIE, D. I., J. D. NICHOLS, G. B. LACHMAN, S. DROEGE, J. A. ROYLE, AND C. A. LANGTIMM. 2002. Estimating site occupancy rates when detection probabilities are less than one. *Ecology* 83:2248–2255.
- MÄDLÖW, W., AND C. MAYR. 1996. Die Bestandsentwicklung ausgewählter gefährdeter Vogelarten in Deutschland 1990–1994. *Vogelwelt* 117:249–260.
- MADSEN, S., D. EVANS, T. HAMER, P. HENSON, S. MILLER, S. NELSON, D. ROBY, AND M. STAPANIAN. 1999. Marbled Murrelet effectiveness monitoring plan for the Northwest Forest Plan. USDA Forest Service General Technical Report PNW-GTR-439. USDA Forest Service, Pacific Northwest Research Station, Portland, OR.
- MAHON, T. F., AND F. I. DOYLE. 2003a. The Northern Goshawk in the Lakes and Morice Forest Districts: 5-year project summary and management recommendations. Babine Forest Products Ltd., Burns Lakes, BC and Houston Forest Products Ltd., Houston, BC, Canada.
- MAHON, T. F., AND F. I. DOYLE. 2003b. Foraging habitat selection, prey availability, and reproductive success of Northern Goshawks in northwest British Columbia. Forest Innovative Investment Project. Houston Forest Products Ltd., Houston, BC, Canada.
- MAHON, T., F. I. DOYLE, AND M. NELLIGAN. 2003. Effect of forest development on the reproductive success of Northern Goshawks (*Accipiter gentilis*) in the Prince Rupert Forest Region. Houston Forest Products Ltd., Houston, BC, Canada.
- MAMMEN, U. 1999. Monitoring von Greifvogel- und Eulenarten: Anspruch und Wirklichkeit. *Egretta* 42: 4–16.
- MANEL, S., H. C. WILLIAMS, AND S. J. ORMEROD. 2001. Evaluating presence-absence models in ecology. *Journal of Applied Ecology* 38:921–931.
- MANLY, B. F. J., L. L. McDONALD, AND D. A. THOMAS. 1993. Resource selection by animals. Chapman and Hall, London, UK.
- MANNAN, R. W., R. N. CONNER, B. MARCOT, AND J. M. PEEK. 1994. Managing forestlands for wildlife. Pp. 689–721 in T. A. Bookhout (editor). *Research and management techniques for wildlife and habitats*, 5th ed. The Wildlife Society, Bethesda, MD.
- MANOLIS, J. C., D. E. ANDERSEN, AND F. J. CUTHBERT. 2000. Patterns in clearcut edge and fragmentation effect studies in northern hardwood-conifer landscapes: retrospective power analysis and Minnesota results. *Wildlife Society Bulletin* 28:1088–1101.
- MAÑOSA, S. 1991. Biologia tròfica, us de l'habitat i biologia de la reproducció de l'Astor *Accipiter gentilis* (Linnaeus 1758) a la Segarra. Ph.D. dissertation, University of Barcelona, Spain.
- MAÑOSA, S. 1993. Selección de hábitat de nidificación en el Azor (*Accipiter gentilis*): recomendaciones para su gestión. *Alytes* 6:125–136.
- MAÑOSA, S. 1994. Goshawk diet in a Mediterranean area of northeastern Spain. *Journal of Raptor Research* 28: 84–92.
- MAÑOSA, S., R. MATEO, C. FREIXA, AND R. GUITART. 2003. Persistent organochlorine contaminants in eggs of Northern Goshawk and Eurasian Buzzard from northeastern Spain: temporal trends related to changes in the diet. *Environmental Pollution* 122:351–359.
- MAÑOSA, S., J. REAL, AND E. SANCHEZ. 1990. Comparació de l'ecologia de dues poblacions d'astor *Accipiter gentilis* a Catalunya: el Vallès-Moianès i la Segarra. *El Medi Natural del Vallès* 2:204–212.

- MARCSTRÖM, V., AND R. E. KENWARD. 1981a. Sexual and seasonal variation in condition and survival of Swedish Goshawks *Accipiter gentilis*. *Ibis* 123:311–327.
- MARCSTRÖM, V., AND R. E. KENWARD. 1981b. Movements of wintering Goshawks in Sweden. Swedish. *Wildlife Research* 12:1–36.
- MARCSTRÖM, V., R. E. KENWARD, AND E. ENGREN. 1988. The impact of predation on boreal tetraonids during vole cycles: an experimental study. *Journal of Animal Ecology* 57:859–872.
- MARCUM, C. L., AND D. O. LOFTSGAARDEN. 1980. A non-mapping technique for studying habitat preferences. *Journal of Wildlife Management* 44:963–968.
- MARQUISS, M. 1981. The Goshawk in Britain—its provenance and current status. Pp. 43–55 in R. E. Kenward, and I. M. Lindsay (editors). *Understanding the Goshawk*. International Association for Falconry and Conservation of Birds of Prey, Oxford, UK.
- MARQUISS, M. 1993. Goshawk *Accipiter gentilis*. Pp. 108–109 in D. W. Gibbons, J. B. Reid, and R. A. Chapman (editors). *The new atlas of breeding birds in Britain and Ireland: 1988–1991*. T. & A.D. Poyser Ltd., London, UK.
- MARQUISS, M. AND I. NEWTON. 1982. The Goshawk in Britain. *British Birds* 75:243–260.
- MARQUISS, M., S. J. PETTY, D. I. K. ANDERSON, AND G. LEGGE. 2003. Contrasting population trends of the Northern Goshawk (*Accipiter gentilis*) in the Scottish / English Borders and north-east Scotland. Pp. 143–148 in D. B. A. Thompson, S. M. Redpath, A. H. Fielding, M. Marquiss, and C. A. Galbraith (editors). *Birds of Prey in a changing environment*. Scottish Natural Heritage/The Stationary Office, Edinburgh, UK.
- MARSDEN, H. M., AND C. H. CONAWAY. 1963. Behavior and the reproductive cycle in the cottontail. *Journal of Wildlife Management* 27:161–170.
- MARSHALL, D. B. 1992. Status of the Northern Goshawk in Oregon and Washington. Audubon Society of Portland, Portland, OR.
- MARSHALL, J. T. 1957. Birds of pine-oak woodland in southern Arizona and adjacent Mexico. *Pacific Coast Avifauna* 32:125.
- MARTELL, M., AND T. DICK. 1996. Nesting habitat characteristics of the Northern Goshawk (*Accipiter gentilis*) in Minnesota. Minnesota Department of Natural Resources, Nongame Wildlife Program. Final Report Project No. 9407382. St. Paul, MN.
- MARTI, C. D. 1987. Raptor food habitat studies. Pp. 67–80 in B. Giron Pendleton, B. A. Millsap, K. W. Cline, and D. M. Bird (editors) *Raptor management techniques manual*. National Wildlife Federation, Scientific Technical Series No. 10. Washington, DC.
- MARTI, C. D., E. KORPIMÄKI, AND F. M. JAKSIC. 1993. Trophic structure of raptor communities: a three continent comparison and synthesis. Pp. 47–137 in D. M. Power (editor). *Current Ornithology*, Volume 10. Plenum Press, New York, NY.
- MARTIN, C. 1998. Notice of a 12-month finding on a petition to list the Northern Goshawk in the contiguous United States west of the 100th meridian. Federal Register 63:35183–35184.
- MARTIN, T. E. 1987. Food as a limit on breeding birds: a life-history perspective. *Annual Review of Ecology and Systematics* 18:453–487.
- MARZLUFF, J. M., M. G. RAPHAEL, AND R. SALLABANKS. 2000. Understanding the effects of forest management on avian species. *Wildlife Society Bulletin* 28:1132–1143.
- MARZLUFF, J. M., M. S. VEKASY, AND C. COODY. 1994. Comparative accuracy of aerial and ground telemetry locations of foraging raptors. *Condor* 96:447–454.
- MASMAN, D., S. DAAN, AND H. J. A. BELDHUIS. 1988. Ecological energetics of the Kestrel: daily energy expenditure throughout the year based on time-energy budget, food intake and doubly labeled water methods. *Ardea* 76:64–81.
- MATTSON, D. J., B. B. BLANCHARD, AND R. R. KNIGHT. 1992. Yellowstone grizzly bear mortality, human habituation, and whitebark pine seed crops. *Journal of Wildlife Management* 56:432–442.
- MAURER, J. R. 2000. Nesting habitat and prey relations of the Northern Goshawk in Yosemite National Park, California. M.S. thesis, University of California, Davis, CA.
- MAYFIELD, H. 1961. Nesting success calculated from exposure. *Wilson Bulletin* 73:255–261.
- MCCLAREN, E. 2003. Northern Goshawk *Accipiter gentilis laingi* population inventory summary for Vancouver Island, British Columbia. 1994–2002. BC Ministry of Environment, Lands and Parks. Nanimo, BC, Canada.
- MCCLAREN, E. L., AND C. L. PENDERGAST. 2003. Relationship between forest age class distribution around Northern Goshawk nests and occupancy and nest productivity patterns at three spatial scales. BC Ministry of Environment, Lands and Parks. Nanimo, BC, Canada.
- MCCLAREN, E. L., P. L. KENNEDY, AND S. R. DEWEY. 2002. Do some Northern Goshawk nest areas fledge more young than others? *Condor* 104:343–352.
- MCCLAREN, E. L., P. L. KENNEDY, AND D. D. DOYLE. 2005. Northern Goshawk (*Accipiter gentilis laingi*) post-fledging area size on Vancouver Island, British Columbia. *Journal of Raptor Research*. 39:253–263.
- McCLOSKEY, J. T., AND S. R. DEWEY. 1999. Improving the success of a mounted Great Horned Owl lure for trapping Northern Goshawks. *Journal of Raptor Research* 33:168–169.
- MCCOY, R. H. 1999. Effects of prey delivery on fledging success of the Northern Goshawk. M.S. thesis, Humboldt State University, Arcata, CA.
- MCCUNE, B. 1983. Fire frequency reduced two orders of magnitude in the Bitterroot Canyons, Montana. *Canadian Journal Forestry Research* 13:212–218.
- MCCUNE, B., J. B. GRACE, AND D. L. URBAN. 2002. Analysis of ecological communities. MjM Software, Glenden Beach, OR.
- MCDONNELL, M. J., S. T. A. PICKETT, P. GROFFMAN, P. BOHLEN, R. V. POUYAT, W. C. ZIPPERER, R. W. PARMELEE, M. M. CARREIRO, AND K. MEDLEY. 1997.

- Ecosystem processes along an urban-to-rural gradient. *Urban Ecosystems* 1:21–36.
- McGOWAN, J. D. 1975. Distribution, density, and productivity of Goshawks in interior Alaska. Final Report, Federal Aid in Wildlife Restoration Projects W-17-3, W-17-4, W-17-5 and W-17-6, Job 10.6R, Alaska Department of Fish and Game, Juneau, AK.
- McGRADY, M. J., T. L. MAECHTLE, L. S. SCHUECK, J. J. VARGAS, W. S. SEEGAR, AND M. CATALINA PORRAS PEÑA. 2002. Migration and ranging of Peregrine Falcons wintering on the Gulf of Mexico Coast, Tamaulipas, Mexico. *Condor* 104:39–48.
- McGRADY, M. J., M. UETA, E. POTAPOV, I. UTEKHINA, V. B. MASTEROV, M. FULLER, W. S. SEEGAR, A. LADYGUIN, E. G. LOBKOV, AND V. B. ZYKOV. 2000. Migration and wintering of juvenile and immature Steller's Sea Eagles. Pp. 83–90 in *First Symposium on Steller's and White-tailed Sea Eagles in East Asia*. Wild Bird Society of Japan, Tokyo, Japan.
- McGRATH, M. T. 1997. Northern Goshawk habitat analysis in managed forest landscapes. M.S. thesis, Oregon State University, Corvallis, OR.
- McGRATH, M. T., S. DEStEFANO, R. A. RIGGS, L. L. IRWIN, AND G. J. ROLOFF. 2003. Spatially explicit influences on Northern Goshawk nesting habitat in the interior Pacific Northwest. *Wildlife Monographs* 154:1–63.
- McINVAILE, W. B., AND L. B. KEITH. 1974. Predator-prey relations and breeding biology of the Great Horned Owl and Red-tailed Hawk in central Alberta. *Canadian Field Naturalist* 88:1–20.
- McKAY, D. O., AND B. J. VERTS. 1978. Estimates of some attributes of Nuttall's cottontail. *Journal of Wildlife Management* 42:59–168.
- McKEE, E. D. 1941. Distribution of the tassel-eared squirrels. *Plateau* 14:12–20.
- McKEEVER, S. 1964. The biology of the golden-mantled ground squirrel, *Citellus lateralis*. *Ecological Monographs* 34:383–401.
- McKELVEY, K. S., AND J. D. JOHNSTON. 1992. Historical perspectives on the forests of the Sierra Nevada and the Transverse Ranges of southern California: forest conditions at the turn of the century. Pp. 225–246 in J. Verner, K. S. McKelvey, B. R. Noon, R. J. Gutierrez, G. I. Gould Jr., and T. W. Beck (technical coordinators). *The California Spotted Owl: a technical assessment of its current status*. USDA Forest Service General Technical Report PSW-GTR-133. USDA Forest Service, Pacific Southwest Research Station, Albany, CA.
- McLEOD, M. A., AND D. E. ANDERSEN. 1998. Red-shouldered Hawk broadcast surveys: affecting detection of responses and population trends. *Journal of Wildlife Management* 62:1385–1397.
- McNAB, W. H., AND P. E. AVERS. 1994. Ecological subregions of the United States: section descriptions. USDA Forest Service Ecosystem Management WO-WSA-5. Washington, DC.
- MEBS, T. 2002. Greifvögel Europas: Biologie, Bestandsverhältnisse, Bestandsgefährdung. 3. Auflage. Franckh-Kosmos, Stuttgart, Germany.
- MEBS, T., AND W. SCHERZINGER. 2000. *Die Eulen Europas. Biologie, Kennzeichen, Bestände*. Franckh-Kosmos, Stuttgart, Germany.
- MEIER, T. 2002. Vergleichende Analyse der Habitatnutzung des Habichts—*Accipiter gentilis*—im urbanen und ruralen Lebensraum. Diploma thesis, University of Hamburg, Hamburg, Germany.
- MEIJER, T. 1988. Reproductive decisions in the Kestrel *Falco tinnunculus*. A study in physiological ecology. Ph.D. dissertation, University of Groningen, The Netherlands.
- MEINERTZHAGEN, R. 1950. The Goshawk in Great Britain. *Bulletin of the British Ornithologists' Club* 70:46–49.
- MELCHIOR, E., E. MENTGEN, R. PELTZER, R. SCHMITT, AND J. WEISS (EDITORS). 1987. *Atlas der Brutvögel Luxemburgs*. Lëtzebuurger Natur- a Vulleschutzliga, Luxembourg, Germany.
- MELIÁN, C. J., AND J. BASCOMPTE. 2002. Food web structure and habitat loss. *Ecology Letters* 5:37–46.
- MELLINA, E., AND S. G. HINCH. 1995. Overview of large-scale ecological experimental designs and recommendations for the British Columbia watershed restoration program. Watershed Restoration Project Report No. 1, Watershed Restoration Program, Ministry of Environment, Lands, and Parks, BC, Canada.
- MENDALL, H. L. 1944. Food of hawks and owls in Maine. *Journal of Wildlife Management* 8:198–208.
- MENG, H. 1959. Food habits of nesting Cooper's Hawks and Goshawks in New York and Pennsylvania. *Wilson Bulletin* 71:169–174.
- MESLOW, C. E., R. S. HOLTHAUSEN, AND D. A. CLEAVES. 1994. Assessment of terrestrial species and ecosystems. *Journal of Forestry* 92:24–27.
- MICHAELS, J. A., L. R. NEVILLE, D. EDELMAN, T. SULLIVAN, AND L. A. DiCOLA. 1992. *New York-New Jersey Highlands Regional Study*. USDA Forest Service, Radnor, PA.
- MIGRATORY BIRD TREATY ACT OF 1918. Public Law 16 U.S.C. §§ 703-712, JULY 3, 1918, AS AMENDED.
- MIKKELSEN, J. D. 1986. Rovfugle og fasanudsædninger i Danmark. *Danske Vildtundersøgelser* 40:1–32.
- MIKKOLA, H. 1983. *Owls of Europe*. T. & A.D. Poyser Ltd., Calton, UK.
- MILLER, H. W., AND D. H. JOHNSON. 1978. Interpreting the results of nesting studies. *Journal of Wildlife Management* 42:471–476.
- MINITAB. 2000. MINITAB Release 13.20. Minitab, State College, PA.
- MINNESOTA FOREST RESOURCES COUNCIL. 2000. Minnesota north central landscape current conditions and trends assessment. Minnesota Forest Resources Council Document LT-0500. St. Paul, MN.
- MITSCHEKE, A., AND S. BAUMUNG. 2001. Brutvogel-Atlas Hamburg. *Hamburger avifaunistische Beiträge* 31: 1–344.
- MÖCKEL, R., AND D. GÜNTHER. 1987. Die Reproduktion des Habichts *Accipiter gentilis* (L.) im Westerzgebirge in den Jahren 1974–1983. *Populationsökologie Greifvogel- und Eulenarten* 1:217–232.

- MOILANEN, P. 1976. Kanahaukkatapot ja fasaani. Suomen Luonto 6:315–318.
- MOIR, W. H., AND J. B. DETERIECH. 1988. Old-growth ponderosa pine from succession in pine-bunchgrass forests in Arizona and New Mexico. *Natural Areas Journal* 8: 17–24.
- MØLLER, A. P. 1987. Copulatory behaviour in the Goshawk, *Accipiter gentilis*. *Animal Behaviour* 35:755–763.
- MÖNKKÖNEN, M., HUHTA, E., MÄKELÄ, J., AND RAJASÄRKKÄ, A. 1999. Pohjois-Suomen vanhojen metsien linnusto ja metsämaiseman muutos. Pp. 39–46 in E. Lammi. (editor). *Linnut-vuosikirja 1999*. BirdLife, Helsinki, Finland.
- MOORE, K. R., AND C. J. HENNY. 1983. Nest site characteristics of three coexisting accipiter hawks in northeastern Oregon. *Journal of Raptor Research* 17:65–76.
- MOORE, W. S. 1995. Northern Flicker (*Colaptes auratus*). In A. Poole and F. Gill (editors). *The Birds of North America*, No. 166. The Academy of Natural Sciences, Philadelphia, PA, and The American Ornithologists' Union, Washington, DC.
- MORILLO, C., AND J. LALANDA. 1972. Primeros datos sobre la ecología de las Falconiformes en los montes de Toledo. *Boletín de la Estación Central de Ecología* 2:57–70.
- MORIN, P. J. 1981. Predatory salamanders reverse the outcome of competition among three species of anuran tadpoles. *Science* 212:1284–1286.
- MOSHER, J. A. 1989. Accipiters. Pp. 47–52 in B. Giron Pendleton (editor). *Northeast raptor management symposium and workshop*. National Wildlife Federation Scientific and Technical Series No. 13. Washington, DC.
- MOSHER, J. A. 1997. Falconry harvest in the United States. *Journal of Raptor Research* 31:294–295.
- MRLÍK, V., AND P. Koubek. 1992. Relation of birds of prey to the place of release of artificially-bred pheasant chicks. *Folia Zoologica* 41:233–252.
- MUEGLER, W. F. 1989. Status of aspen woodlands in the West. Pp. 32–37 in B. Giron Pendleton, C. E. Ruibal, D. L. Krahe, K. Steenhof, M. N. Kochert, and M. L. LeFranc, Jr. (editors). *Proceedings of the Western Raptor Management Symposium and Workshop*. National Wildlife Federation Scientific Technical Series. No.12. Washington, DC.
- MUELLER, H. C., AND D. D. BERGER. 1968. Sex ratios and measurements of migrant Goshawks. *Auk* 85: 431–436.
- MUELLER, H. C., D. D. BERGER, AND G. ALLEZ. 1977. The periodic invasions of Goshawks. *Auk* 94:652–663.
- MULLALLY, D. P. 1953. Hibernation in the golden-mantled ground squirrel, *Citellus lateralis bernardinus*. *Journal of Mammalogy* 34:65–73.
- MURPHY, D. D., AND B. R. NOON. 1991. Coping with uncertainty in wildlife biology. *Journal of Wildlife Management* 55:773–782.
- MURPHY, D. D., AND B. R. NOON. 1992. Integrating scientific methods with habitat planning: reserve design for Northern Spotted Owls. *Ecological Applications* 2:3–17.
- MURRAY, C., AND D. MARMOREK. 2003. Adaptive management and ecological restoration. Pp. 417–428 in P. Friederici (editor). *Ecological restoration of southwestern ponderosa pine forests*. Island Press, Washington, DC.
- MÜSKENS, G. 2002. Havik *Accipiter gentilis*. Pp. 160–161 in SOVON. *Atlas van de Nederlandse Broedvogels 1998–2000*, Nederlandse Fauna 5. Nationaal Natuurhistorisch Museum Naturalis, KNNV Uitgeverij and European Invertebrate Survey-Nederland, Leiden, The Netherlands.
- MYRBERGET, S. 1989. Diet of goshawks during the breeding season in northern coastal Norway. *Fauna Norvegica. Series C. Cinclus* 12:100–102.
- NAGY, A. C. 1977. Population trend indices based on 40 years of autumn counts at Hawk Mountain Sanctuary in north-eastern Pennsylvania. Pp. 243–253. in R. D. Chancellor (editor). *Proceedings of the ICBP world conference on birds of prey*, Vienna, Austria.
- NATIONAL FOREST MANAGEMENT ACT (NFMA). 1976. 16 U.S.C. §§ 1600-14.
- NATIONAL FOREST MANAGEMENT ACT. 1982. Implementing Regulations. 36 CFR 219.19.
- NATURESERVE. 2005. NatureServe explorer: an online encyclopedia of life. Version 4.5. NatureServe, Arlington, VA. <<http://www.natureserve.org/explorer>> (9 August 2005)
- NEIDEMAN, C., AND E. SCHÖNBECK. 1990. Erfarenheter från 10 års ringmärkning av fångade duvhökar. *Anser* 29: 245–260.
- NELSON, B. B., AND K. TITUS. 1989. Silviculture practices and raptor habitat associations in the Northeast. Pp. 171–179 in B. Giron Pendleton (editor). *Northeast raptor management symposium and workshop*. National Wildlife Federation Scientific and Technical Series No. 13. Washington, DC.
- NEWTON, I. 1979a. Population ecology of raptors. T. & A.D. Poyser, Berkhamsted, UK and Buteo Books, Vermillion, SD.
- NEWTON, I. 1979b. Effects of human persecution on European raptors. *Raptor Research* 13:65–78.
- NEWTON, I. 1986. *The Sparrowhawk*. T. & A.D. Poyser Ltd., Calton, UK.
- NEWTON, I. 1988a. Commentary—Population regulation in Peregrines: an overview. Pp. 761–770 in T. J. Cade, J. H. Enderson, C. G. Thelander, and C. M. White (editors). *Peregrine Falcon populations: their management and recovery*. The Peregrine Fund Inc., Boise, ID.
- NEWTON, I. 1988b. Determination of critical pollutant levels in wild populations, with examples from organochlorine insecticides in birds of prey. *Environmental Pollution* 55:29–40.
- NEWTON, I. 1989. The control of Sparrowhawk *Accipiter nisus* nesting densities. Pp. 1969–1980 in B.-U. Meyburg, and R. D. Chancellor (editors). *Raptors in the modern world*. WWGBP, Berlin, Germany.
- NEWTON, I. 1991. Population limitation in birds of prey: a comparative approach. Pp. 3–21 in C. M. Perrins, J.-D. Lebreton, and G. J. M. Hirons (editors). *Bird population studies*. Oxford University Press, Oxford, UK.

- NEWTON, I. 1993. Causes of breeding failures in wild raptors: a review. Pp. 62–71 in P. T. Redig, J. E. Cooper, J. D. Remple, D. B. Bruce, and T. Hahn (editors). Raptor biomedicine. University of Minnesota Press, Minneapolis, MN.
- NEWTON, I. 1998. Population limitation in birds. Academic Press, San Diego, CA.
- NEWTON, I. 2003a. The role of natural factors in the limitation of bird of prey numbers: a brief review of the evidence. Pp. 5–23 in D. B. A. Thompson, S. M. Redpath, A. H. Fielding, M. Marquiss, and C. A. Galbraith (editors). Birds of prey in a changing environment. Scottish Natural Heritage/The Stationary Office, Edinburgh, UK.
- NEWTON, I. 2003b. The contribution of Peregrine research and restoration to a better understanding of Peregrines and other raptors. Pp. 335–347 in T. J. Cade, and W. Burnham (editors). Return of the Peregrine: a North American saga of tenacity and teamwork. The Peregrine Fund Inc., Boise, ID.
- NEWTON, I. 2003c. The speciation and biogeography of birds. Academic Press, London, UK.
- NEWTON, I., AND M. MARQUISS. 1983. Dispersal of Sparrowhawks between birthplace and breeding place. *Journal Animal Ecology* 52:462–477.
- NEWTON, I., AND M. MARQUISS. 1986. Population regulation in Sparrowhawks. *Journal of Animal Ecology* 55: 463–480.
- NEWTON, I., AND M. MARQUISS. 1991. Removal experiments and the limitation of breeding density in Sparrowhawks. *Journal of Animal Ecology* 60:535–544.
- NEWTON, I., M. MARQUISS, D. N. WEIR, AND D. MOSS. 1977. Spacing of Sparrowhawk nesting territories. *Journal of Animal Ecology* 46:425–441.
- NEWTON, I., AND I. WYLLIE. 1996. Monogamy in the Sparrowhawk. Pp. 249–267 in J. M. Black (editor). Partnerships in birds: the study of monogamy. Oxford University Press, Oxford, UK.
- NEWTON, I., I. WYLLIE, AND R. MEARN. 1986. Spacing of Sparrowhawks in relation to food supply. *Journal of Animal Ecology* 55:361–370.
- NEYMAN, J., AND E. SCOTT. 1957. On a mathematical theory of populations conceived as a conglomeration of clusters. *Cold Spring Harbor Symposia on Quantitative Biology* 22:109–120.
- NIELSEN, J. T. 1998. Duehøgens prædation på Brevduer i Vendsyssel. *Dansk Ornitologisk Forenings Tidsskrift* 92:327–332.
- NIELSEN, J. T. 2003. Lav duehøgebestand en følge af ulovlig bekæmpelse ved fasanudsætninger. *Dansk Ornitologisk Forenings Tidsskrift* 97:173–174.
- NIELSEN, J. T., AND J. DRACHMANN. 1999a. Development and productivity in a Danish Goshawk *Accipiter gentilis* population. *Dansk Ornitologisk Forenings Tidsskrift* 93:153–161.
- NIELSEN, J. T., AND J. DRACHMANN. 1999b. Prey selection of Goshawks *Accipiter gentilis* during the breeding season in Vendsyssel, Denmark. *Dansk Ornitologisk Forenings Tidsskrift* 93:235–240.
- NIELSEN, J. T., AND J. DRACHMANN. 1999c. Dispersal of Danish Goshawks *Accipiter gentilis* as revealed by ringing recoveries. *Dansk Ornitologisk Forenings Tidsskrift* 93:85–90.
- NIELSEN, J. T., AND J. DRACHMANN. 2003. Age-dependent reproductive performance in Northern Goshawks *Accipiter gentilis*. *Ibis* 145:1–8.
- NIELSEN, O. 1999. Gyrfalcon predation on ptarmigan: numerical and functional responses. *Journal of Animal Ecology* 68:034–1050.
- NIELSEN, O. K., AND T. J. CADE. 1990. Seasonal changes in food habits of Gyrfalcons in NE-Iceland. *Ornis Scandinavica* 21:202–211.
- NOAA. 2003a. Storm events <<http://www4.ncdc.noaa.gov/cgi-win/wwcgi.dll?wwevent-storms>> (11 August 2005).
- NOAA. 2003b. State climatological observations <<http://cdo.ncdc.noaa.gov/dly/DLY>> (11 August 2005).
- NOER, H., AND H. SECHER. 1990. Effects of legislative protection on survival rates and status improvements of birds of prey in Denmark. *Danish Review of Game Biology* 14:1–63.
- NOLL WEST, J. (EDITOR). 1998. Status of the Northern Goshawk in the Midwest: workshop proceedings. Midwest regional raptor management and peregrine symposium. USDI Fish and Wildlife Service, Fort Snelling, MN.
- NOON, B. R., AND C. M. BILES. 1990. Mathematical demography of Spotted Owls in the Pacific Northwest. *Journal of Wildlife Management* 54:18–27.
- NORE, T. 1979. Rapaces diurnes communs en Limousin pendant la période de nidification. II: autour, épervier et faucon crécerelle. *Alauda* 47:259–269.
- NORGALL, A. 1988. Beobachtungen zum Balzverhalten des Habichts (*Accipiter gentilis*) im Freiland. Diploma thesis, University of Göttingen, Göttingen, Germany.
- NOSS, R. F. 1990. Indicators for monitoring biodiversity: a hierarchical approach. *Conservation Biology* 4: 355–364.
- NOSS, R. F. 1996. On attacking a caricature of reserves: response to Everett and Lehmkuhl. *Wildlife Society Bulletin* 24:777–779.
- NOSS, R. F., C. CARROLL, K. VANCE-BORLAND, AND G. WUERTHNER. 2002. A multicriteria assessment of the irreplaceability and vulnerability of sites in the greater Yellowstone ecosystem. *Conservation Biology* 16: 895–908.
- NOSS, R. F., AND A. COOPERRIDER. 1994. Saving nature's legacy. Island Press, Washington, DC.
- NOSS, R. F., M. A. O'CONNELL, AND D. D. MURPHY. 1997. The science of conservation planning: habitat conservation under the Endangered Species Act. Island Press, Washington, DC.
- NUDDS, T. D., AND M. L. MORRISON. 1991. Ten years after "reliable knowledge:" Are we gaining? *Journal of Wildlife Management* 55:757–760.
- NYGÅRD, T. 1991. Rovfugl som indikatorer på forurensning i Norge. *NINA Utredning* 21:1–34.
- NYGÅRD, T., D. J. HALLEY, B. WISETH, S. GRØNNESBY, AND P. M. GRØNLIEN. 1998. Hva skjer med høshauken?-

- Foreløpige resultater fra et forskningsprosjekt om hønehaukens arealkrav, naring, dødsarsaker og vandringer. *Vår Fuglefauna* 21:5–10.
- NYLAND, R. D. 2002. *Silviculture: concepts and applications*, 2nd edition. McGraw-Hill, New York, NY.
- O'BRIEN, R. A. 2002. Arizona's forest resources, 1999. USDA Forest Service Resource Bulletin RMRS-RB-2. USDA Forest Service, Rocky Mountain Research Station, Ogden, UT.
- O'BRIEN, W. J., H. I. BROWMAN, AND B. I. EVANS. 1990. Search strategies of foraging animals. *American Scientist* 78:152–160.
- O'BRIEN, W. J., B. I. EVANS, AND H. I. BROWMAN. 1989. Flexible search tactics and efficient foraging in saltatory searching animals. *Oecologia* 80:100–110.
- O'RIORDAN, T., AND J. CAMERON. 1994. The history and contemporary significance of the precautionary principle. Pp. 12–30, in T. O'Riordan, and J. Cameron (editors). *Interpreting the precautionary principle*. Earthscan Publications Ltd, London, UK.
- OAKLEAF, R. J. 1975. Population surveys, species distribution and key habitats of selected nongame species. Federal Aid in Wildlife Restoration Project W-53-R. Nevada Department of Fish and Game, Reno, NV.
- OBERHOLSER, H. C. 1974. *The bird life of Texas*. University of Texas Press, Austin, TX.
- OELKE, H. 1981. Greifvogel-Monitoruntersuchung 1977–1980 im Landkreis Peine (Hannover-Braunschweig, Niedersachsen). *Beiträge zur Naturkunde Niedersachsens* 34:12–50.
- OGGIER, P.-A. 1980. Habicht. Pp. 96–97 in A. Schifferli, P. Géroudet, and R. Winkler (editors). *Verbreitungsatlas der Brutvögel der Schweiz*. Schweizerische Vogelwarte, Sempach, Switzerland.
- OGGIER, P.-A., AND U. BÜHLER. 1998. Habicht. Pp. 196–197 in H. Schmid, R. Luder, B. Naef-Daenzer, R. Graf, and N. Zbinden (editors). *Schweizer Brutvogelatlas. Verbreitung der Brutvögel in der Schweiz und im Fürstentum Liechtenstein 1993–1996*. Schweizerische Vogelwarte, Sempach, Switzerland.
- OHMANN, L. F., AND M. F. BUELL. 1968. Forest vegetation of the New Jersey Highlands. *Bulletin of the Torrey Botanical Club* 95:287–298.
- OLECH, B. 1997. Diet of the Goshawk *Accipiter gentilis* in Kampinoski National Park (central Poland) in 1982–1993. *Acta ornithologica* 32:191–200.
- OLECH, B. 1998. Population dynamics and breeding performance of the Goshawk *Accipiter gentilis* in central Poland in 1982–1994. Pp. 101–110 in R. D. Chancellor, B.-U. Meyburg, and J. J. Ferrero (editors). *Holarctic birds of prey*. World Working Group on Birds of Prey and Owls, Berlin, Germany.
- OLIVER, C. D., AND B. C. LARSON. 1996. *Forest stand dynamics*. McGraw-Hill, New York, NY.
- OLSEN, W. K., H. HUTCHINSON, W. PICKELL, AND A. RIBELIN. 2003a. Petition to correct information disseminated by the USDA Forest Service (GTR-RM-217). On file, Rocky Mountain Research Station, Ft. Collins, CO.
- OLSEN, W. K., H. HUTCHINSON, W. PICKELL, AND A. RIBELIN. 2003b. Petition to correct information disseminated by the USDA Forest Service (GTR-RM-217), request for reconsideration. Letter on file, Rocky Mountain Research Station, Ft. Collins, CO.
- OPDAM, P. 1975. Inter- and intraspecific differentiation with respect to feeding ecology in two sympatric species of the genus *Accipiter*. *Ardea* 63:30–54.
- OPDAM, P. 1978. *De Havik. Het Spectrum*, Utrecht and Antwerpen, The Netherlands.
- OPDAM, P., AND G. MÜSKENS. 1976. Use of shed feathers in population studies of *Accipiter* hawks (Aves, Accipitiformes, Accipitridae). *Beaufortia* 24:55–62.
- OPDAM, P., J. THISSEN, P. VERSCHUREN, AND G. MÜSKENS. 1977. Feeding ecology of a population of Goshawk *Accipiter gentilis*. *Journal für Ornithologie* 118:35–51.
- ORIANI, G. H., AND N. E. PEARSON. 1979. On the theory of central place foraging. Pp. 155–177 in D. J. Horn, G. R. Stairs, and R. D. Mitchell (editors). *Analysis of ecological systems*. Ohio State University Press, Columbus, OH.
- ORIANI, G., AND F. KUHLMAN. 1956. Red-tailed Hawk and Great Horned Owl populations in Wisconsin. *Condor* 58:371–385.
- ORTLIEB, R. 1990. Horstwechsel, Nahrungsanalysen und Jagdweise des Habichts im Südostharz. *Der Falke* 37:151–155, 199–204.
- ORWIG, D. A., AND D. R. FOSTER. 2000. Stand, landscape, and ecosystem analyses of hemlock woolly adelgid outbreaks in southern New England. Pp. 123–125 in *Proceedings of a symposium on sustainable management of hemlock ecosystems in eastern North America*. USDA Forest Service General Technical Report NE-267. USDA Forest Service, Northeastern Research Station, Newtown Square, PA.
- OSTFELD, R. S., C. G. JONES, AND J. O. WOLFF. 1996. Of mice and mast. *BioScience* 46:323–330.
- OTVOS, I. S., AND R. W. STARK. 1985. Arthropod food of some forest-inhabiting birds. *Canadian Entomologist* 117:971–990.
- OVERSKAUG, K., P. SUNDE, AND G. STUVE. 2000. Intersexual differences in the diet composition of Norwegian raptors. *Ornis Norvegica* 23:24–30.
- PADIAL, J. M., J. M. BAREA, F. J. CONTRERAS, E. AVILA, AND J. PÉREZ. 1998. Dieta del Azor Común (*Accipiter gentilis*) en las Sierras Béticas de Granada durante el periodo de reproducción. *Ardeola* 45:55–62.
- PAIN, D. J., AND M. W. PIENKOWSKI (EDITORS). 1997. *Farming and birds in Europe*. Academic Press, London, UK.
- PALMER, R. S. 1988. *Handbook of North American birds*. Vol. 4, *Diurnal Raptors*. Yale University Press, New Haven, CT.
- PARAGI, T. F., AND G. M. WHOLECHEESE. 1994. Marten, *Martes americana*, predation on a Northern Goshawk, *Accipiter gentilis*. *Canadian Field Naturalist* 108:81–82.
- PATLA, S. M. 1997. Nesting ecology and habitat of the Northern Goshawk in undisturbed and timber harvest

- areas on the Targhee National Forest, greater Yellowstone ecosystem. M.S. thesis, Idaho State University, Pocatello, ID.
- PATTON, D. R. 1975a. Nest use and home range of three Abert squirrels as determined by radio-tracking. USDA Forest Service Research Note 281. USDA Forest Service, Rocky Mountain Forest and Range Experiment Station, Fort Collins, CO.
- PATTON, D. R. 1975b. Abert squirrel cover requirements in southwestern ponderosa pine. Research Note 272. USDA Forest Service, Rocky Mountain Forest and Range Experiment Station, Fort Collins, CO.
- PATTON, D. R. 1984. A model to evaluate Abert squirrel habitat in uneven-aged ponderosa pine. *Wildlife Society Bulletin* 12:408–404.
- PATTON, D. R., AND W. GREEN. 1970. Abert's squirrels prefer mature ponderosa pine. USDA Forest Service Research Note RM-169. USDA Forest Service, Rocky Mountain Forest and Range Experiment station, Fort Collins CO.
- PEARSON, G. A. 1950. Management of ponderosa pine in the southwest. USDA Forest Service Agricultural Monograph No. 6. U.S. Government Printing Office, Washington, DC.
- PECK, G. K., AND R. D. JAMES. 1983. Breeding birds of Ontario: nidology and distribution. Vol.1, Non-passerines. Miscellaneous Publications, Royal Ontario Museum of Life Sciences, Toronto, ON, Canada.
- PECK, J. 2000. Seeing the forest through the eyes of a hawk: an evaluation of recent efforts to protect Northern Goshawk populations in southwestern forests. *Natural Resources Journal* 40:125–156.
- PEDERSON, J. C., R. N. HASENYAGER, AND A. W. HEGGEN. 1976. Habitat requirements of the Abert squirrel (*Sciurus aberti navajo*) on the Monticello district, Manti-La Sal National Forest of Utah. Utah State Division of Wildlife Resources. Publication No. 76-9. Salt Lake City, UT.
- PEIRCE, M. A., AND J. E. COOPER. 1977. Haematozoa of birds of prey in Great Britain. *Veterinary Record* 100:493.
- PENTERIANI, V. 1996. Il gufo reale. Edagricole—Edizioni Agricole, Bologna, Italy.
- PENTERIANI, V. 1997. Long-term study of a Goshawk breeding population on a Mediterranean mountain (Abruzzo Apennines, central Italy): density, breeding performance, and diet. *Journal of Raptor Research* 31:308–312.
- PENTERIANI, V. 2001. The annual and diel cycles of Goshawk vocalizations at nest sites. *Journal of Raptor Research* 35:24–30.
- PENTERIANI, V. 2002. Goshawk nesting habitat in Europe and North America: a review. *Ornis Fennica* 79: 149–163.
- PENTERIANI, V., AND B. FAIVRE. 1997. Breeding density and nest site selection in a Goshawk *Accipiter gentilis* population of the central Apennines (Abruzzo, Italy). *Bird Study* 44:136–145.
- PENTERIANI, V., AND B. FAIVRE. 2001. Effects of harvesting timber stands on Goshawk nesting in two European areas. *Biological Conservation* 101:211–216.
- PENTERIANI, V., B. FAIVRE, AND B. FROCHOT. 2001. An approach to identify factors and levels of nesting habitat selection: a cross-scale analysis of Goshawk preferences. *Ornis Fennica* 78:159–167.
- PENTERIANI, V., B. FAIVRE, J. MAZUC, AND F. CEZILLY. 2002a. Pre-laying vocal activity as a signal of male and nest stand quality in Goshawks. *Ethology, Ecology and Evolution* 14:9–17.
- PENTERIANI, V., M. MATHIAUT, AND G. BOISSON. 2002b. Immediate species responses to catastrophic natural disturbances: windthrow effects on density, productivity, nesting stand choice, and fidelity in Northern Goshawks (*Accipiter gentilis*). *Auk* 119:1132–1137.
- PERCO, F., AND E. BENUSSI. 1981. Nidificazione e distribuzione territoriale dell' Astore (*Accipiter gentilis gentilis* L.) sul Carso Triestino. Atti Primo Convegno Ecologia Territori Carsici, La Grafica, Gradisca d'Isonzo: 207–216.
- PETERSEN, L. R., AND J. T. ROEHRIG. 2001. West Nile virus: a reemerging global pathogen. *Emerging Infectious Diseases* 7:611–614.
- PETRONILHO, J. M. S., AND J. V. VINGADA. 2002. First data on feeding ecology of Goshawk *Accipiter gentilis* during the breeding season in the Natura 2000 site Dunas de Mira, Gândara e Gafanhas (Beira Litoral, Portugal). *Airo* 12:11–16.
- PETTY, S. J. 1996a. History of the Northern Goshawk *Accipiter gentilis* in Britain. Pp. 95–102 in J. S. Holmes, and J. R. Simons (editors). The introduction and naturalisation of birds. HMSO, London, UK.
- PETTY, S. J. 1996b. Adaptations of raptors to man-made spruce forests in the Uplands of Britain. Pp. 201–214 in D. M. Bird, D. E. Varland, and J. J. Negro (editors). Raptors in human landscapes: adaptations to built and cultivated environments. Academic Press, London, UK.
- PETTY, S. J. 2002. Northern Goshawk. Pp. 232–234 in C. Wernham, M. Toms, J. Marchant, J. Clark, G. Siriwardena, and S. Baillie (editors). The migration atlas: movements of the birds of Britain and Ireland. T. & A.D. Poyser Ltd., London, UK.
- PETTY, S. J., D. I. K. ANDERSON, M. DAVIDSON, B. LITTLE, T. N. SHERRATT, C. J. THOMAS, AND X. LAMBIN. 2003a. The decline of Common Kestrels *Falco tinnunculus* in a forested area of northern England: the role of predation by Northern Goshawks *Accipiter gentilis*. *Ibis* 145:472–483.
- PETTY, S. J., P. W. W. LURZ, AND S. P. RUSHTON. 2003b. Predation of red squirrels by Northern Goshawks in a conifer forest in northern England: can this limit squirrel numbers and create a conservation dilemma? *Biological Conservation* 111:105–114.
- PETTY, S. J., I. J. PATTERSON, D. I. K. ANDERSON, B. LITTLE, AND M. DAVISON. 1995. Numbers, breeding performance, and diet of the Sparrowhawk *Accipiter nisus* and Merlin *Falco columbarius* in relation to cone crops and seed-eating finches. *Forest Ecology and Management* 79:133–146.
- PHALEN, D. N., C. TAYLOR, S. W. PHALEN, AND G. F. BENNETT. 1995. Hemograms and hematozoa of Sharp-shinned

- (*Accipiter striatus*) and Cooper's Hawks (*Accipiter cooperii*) captured during spring migration in northern New York. *Journal of Wildlife Diseases* 31:216–222.
- PHILLIPS, A., J. MARSHALL, AND G. MONSON. 1964. The birds of Arizona. University of Arizona Press, Tucson, AZ.
- PIANKA, E. R. 1983. *Evolutionary ecology*, 3rd edition. Harper and Row Publishers, Inc. New York, NY.
- PIELOU, E. C. 1960. A single mechanism to account for regular, random and aggregated populations. *Journal of Ecology* 48:575–584.
- PIELOWSKI, Z. 1961. Über den Unifikationseinfluss der selektiven Nahrungswahl des Habichts, *Accipiter gentilis* L., auf Haustauben. *Ekologia Polska A* 9: 183–194.
- PIELOWSKI, Z. 1968. Studien über die Bestandsverhältnisse einer Habichtspopulation in Zentralpolen. *Beiträge zur angewandten Vogelkunde* 5:125–136.
- POLLOCK, K. H., J. D. NICHOLS, C. BROWNIE, AND J. E. HINES. 1990. Statistical inference for capture-recapture experiments. *Wildlife Monographs* 107:1–97.
- POLLOCK, K. H., J. E. HINES, AND J. D. NICHOLS. 1985. Goodness-of-fit tests for open capture-recapture models. *Biometrics* 41: 399–410.
- POLLOCK, K. H., S. R. WINTERSTEIN, C. M. BUNCK, AND P. D. CURTIS. 1989. Survival analysis in telemetry studies: the staggered entry design. *Journal of Wildlife Management* 53:7–15.
- PORTER, T. W., AND H. H. WILCOX, JR. 1941. Goshawk nesting in Michigan. *Wilson Bulletin* 53:43–44.
- POSTUPALSKY, S. 1974. Raptor reproductive success: some problems with methods, criteria, and terminology. Pp. 21–31 in F. N. Hamerstrom, Jr., B. E. Harrell, and R. R. Olendorf (editors). *Management of raptors*. Raptor Research Report No. 2, Raptor Research Foundation, Vermillion, SD.
- POSTUPALSKY, S. 1993. Goshawks in Michigan. Pp. 31 in *Proceedings of the Northern Goshawk management workshop*. USDA Forest Service and Wisconsin Department of Natural Resources, Madison, WI.
- POWERS, R. A., AND B. J. VERTS. 1971. Reproduction in the mountain cottontail rabbit in Oregon. *Journal of Wildlife Management* 35:605–612.
- PRESTON, F. W., AND R. T. NORRIS. 1947. Nesting heights of breeding birds. *Ecology* 28:241–273.
- PUCEK, Z., W. JEDRZEJSKI, B. JEDRZEJSKA, AND M. PUCEK. 1993. Rodent population dynamics in a primeval deciduous forest (Bialowieza National Park) in relation to weather, seed crop, and predation. *Acta Theriologica* 38:199–232.
- PUGACEWICZ, E. 1996. Lęgowe ptaki drapieżne Polskiej części puszczy Białowieskiej. *Notatki Ornitologiczne* 37:173–224.
- PULLIAM, H. R., AND B. J. DANIELSON. 1991. Sources, sinks, and habitat selection: a landscape perspective on population dynamics. *American Naturalist* 137:50–66.
- RADDATZ, H.-J. 1997. Greifvogelbestände im Kreis Pinneberg (Schleswig-Holstein) von 1985 bis 1997. *Hamburger avifaunistische Beiträge* 29:137–158.
- RAFAEL, M. G., AND M. WHITE. 1984. Use of snags by cavity-nesting birds in the Sierra Nevada. *Wildlife Monograph* 86:1–66.
- RANTA, E., P. BYHOLM, V. KAITALA, P. SAUROLA, AND H. LINDÉN. 2003. Spatial dynamics in breeding performance of a predator: the connection to prey availability. *Oikos* 102:391–396.
- RASSMUSSEN, D. I. 1941. Biotic communities of the Kaibab plateau, Arizona. *Ecological Monographs* 11: 229–275.
- RASSMUSSEN, L. U., AND K. STORGÅRD. 1989. Ynglende rovfugle i Sydøstjylland 1973–1987. *Dansk Ornitologisk Forenings Tidsskrift* 83:23–34.
- RATCLIFF, T. D., D. R. PATTON, AND P. F. FOLLIOU. 1975. Ponderosa pine basal area and the Kaibab squirrel. *Journal of Forestry* 73:284–286.
- RATTI, J. T., AND E. O. GARTON. 1994. Research and experimental design. Pp. 1–23. in T. A. Bookhout (editor). *Research and management techniques for wildlife and habitats*. The Wildlife Society, Bethesda, MD.
- REAL, L. A. 1996. Sustainability and the ecology of infectious disease. *BioScience* 46:88–97.
- REDIG, P. T., M. R. FULLER, AND D. L. EVANS. 1980. Prevalence of *Aspergillus fumigatus* in free-living Goshawks (*Accipiter gentilis atricapillus*). *Journal of Wildlife Diseases* 16:169–174.
- REDPATH, S. M., AND S. J. THIRGOOD. 1999. Numerical and functional responses in generalist predators: Hen Harrier and Peregrines on Scottish grouse moors. *Journal of Animal Ecology* 68:879–892.
- REDPATH, S. M., R. CLARKE, M. MADDERS, AND S. J. THIRGOOD. 2001. Assessing raptor diet comparing pellets, prey remains, and observational data at Hen Harrier nests. *Condor* 103:184–188.
- REDROBE, S. 1997. Pathological conditions and cause of death relating to age and sex in Eurasian Buzzards (*Buteo buteo*) in Scotland. *Proceedings Conference European Committee Association Avian Veterinarians London*:181–187.
- REESE, J. G. 1970. Reproduction in a Chesapeake Bay Osprey population. *Auk* 87:747–759.
- REGHAB. 2002. Reconciling gamebird hunting and biodiversity (REGHAB). Workpackage reports 1–6. <www.uclm.es/irec/Reghab/inicio.html> (3 November 2005).
- REICH, P. B., AND P. BAKKEN, D. CARLSON, L. E. FRELICH, S. K. FRIEDMAN, AND D. F. GRIGAL. 2001. Influence of logging, fire, and forest type on biodiversity and productivity in southern boreal forests. *Ecology* 82: 2731–2748.
- REICH, R. M., AND R. A. DAVIS. 2002. Spatial library for the S-PLUS© statistical software package. Department of Forest, Rangeland, and Watershed Stewardship, Colorado State University, Fort Collins, CO. <<http://www.cnr.colostate.edu/~robin/>>. (25 April 2005)
- REICH, R. M., S. M. JOY, AND R. T. REYNOLDS. 2004. Predicting the location of Northern Goshawk nests: modeling the spatial dependency between nest locations and forest structure. *Ecological Modeling* 176: 109–133.

- REINHARDT, E., AND N. L. CROOKSTON (TECHNICAL EDITORS). 2003. The fire and fuels extension to the forest vegetation simulator. USDA Forest Service General Technical Report RMRS-GTR-116. USDA Forest Service, Rocky Mountain Research Station, Ogden, UT.
- REITSMA, L. R., R. T. HOLMES, AND T. W. SHERRY. 1990. Effects of removal of red squirrels, *Tamiasciurus hudsonicus*, and eastern chipmunks, *Tamias striatus*, on nest predation in a northern hardwood forest: an artificial nest experiment. *Oikos* 57:375–380.
- RENKIN, R. A., AND D. G. DESPAIN. 1992. Fuel moisture, forest type, and lightning-caused fire in Yellowstone National Park. *Canadian Journal of Forest Research* 22:37–45.
- REYNOLDS, H. G. 1966. Abert's squirrel feeding on pinyon pine. *Journal of Mammalogy* 47:550–551.
- REYNOLDS, R. T. 1971. Nest-Site selection of the three species of *Accipiter* hawks in Oregon. Pp. 51–53 in *Proceedings Fish and Wildlife Habitat Management Training Conference*, USDA Forest Service, Eugene, OR.
- REYNOLDS, R. T. 1972. Sexual dimorphism in accipiter hawks: a new hypothesis. *Condor* 74:191–197.
- REYNOLDS, R. T. 1975. Distribution, density, and productivity of three species of accipiter hawks in Oregon. M.S. thesis, Oregon State University, Corvallis, OR.
- REYNOLDS, R. T. 1978. Food and habitat partitioning in two groups of coexisting *Accipiters*. Ph.D. dissertation, Oregon State University, Corvallis, OR.
- REYNOLDS, R. T. 1982. American *Accipiter* hawks. Pp. 288–289 in D. E. Davis (editor). *CRC handbook of census methods for terrestrial vertebrates*. CRC Press, Boca Raton, FL.
- REYNOLDS, R. T. 1983. Management of western coniferous forest habitat for nesting *Accipiter* hawks. USDA Forest Service General Technical Report RM-102. USDA Forest Service, Rocky Mountain Research Station, Ft. Collins, CO.
- REYNOLDS, R. T. 1989. *Accipiters*. Pp. 92–101 in: B. Giron Pendleton, C. E. Ruibal, D. L. Krahe, K. Steenhof, M. N. Kochert, and M. L. LeFranc, Jr. (editors). *Proceedings of the Western Raptor Management Symposium and Workshop*. National Wildlife Federation Scientific Technical Series No.12. Washington, DC.
- REYNOLDS, R. T., W. M. BLOCK, AND D. A. BOYCE. 1996. Using ecological relationships of wildlife as templates for restoring southwestern forests. Pp. 35–43 in W. Covington, and P. K. Wagner (technical coordinators). *Conference on adaptive ecosystem restoration and management: restoration of cordilleran conifer landscapes of North America*, USDA Forest Service General Technical Report RM-GTR-278, USDA Forest Service, Rocky Mountain Research Station, Ft. Collins, CO.
- REYNOLDS, R. T., R. T. GRAHAM, M. H. REISER, R. L. BASSETT, P. L. KENNEDY, D. A. BOYCE, JR., G. GOODWIN, R. SMITH, AND E. L. FISHER. 1992. Management recommendations for the Northern Goshawk in the southwestern United States. USDA Forest Service General Technical Report RM-217. USDA Forest Service, Rocky Mountain Forest and Range Experiment Station. Fort Collins, CO.
- REYNOLDS, R. T., AND S. M. JOY. 1998. Distribution, territory occupancy, dispersal, and demography of Northern Goshawks on the Kaibab Plateau, Arizona. Final Report for the Arizona Game and Fish Heritage Project No. 194045. USDA Forest Service, Rocky Mountain Research Station, Ft. Collins, CO.
- REYNOLDS, R. T., S. M. JOY, AND D. G. LESLIE. 1994. Nest productivity, fidelity, and spacing of Northern Goshawks in northern Arizona. *Studies in Avian Biology* 16:106–113.
- REYNOLDS, R. T., AND E. C. MESLOW. 1984. Partitioning of food and niche characteristics of coexisting *Accipiter* during breeding. *Auk* 101:761–779.
- REYNOLDS, R. T., E. C. MESLOW, AND H. M. WIGHT. 1982. Nesting habitat of coexisting *Accipiter* in Oregon. *Journal of Wildlife Management* 46:124–138.
- REYNOLDS, R. T., G. C. WHITE, S. M. JOY, AND R. W. MANNAN. 2004. Effects of radiotransmitters on Northern Goshawks: do tailmounts lower survival of breeding males? *Journal of Wildlife Management* 68:25–32.
- REYNOLDS, R. T., D. J. WIENS, S. M. JOY, AND S. R. SALAFSKY. 2005. Sampling considerations for demographic and habitat studies of Northern Goshawks. *Journal of Raptor Research* 39:274–285.
- REYNOLDS, R. T., AND H. M. WIGHT. 1978. Distribution, density, and productivity of *Accipiter* hawks breeding in Oregon. *Wilson Bulletin* 90:182–196.
- RHODES, L. I. 1972. Success of Osprey nest structures at Martin National Wildlife Refuge. *Journal of Wildlife Management* 36:1296–1299.
- RICE, W. R. 1989. Analyzing tables of statistical tests. *Evolution* 43:223–225.
- RICHMOND, W. K. 1959. *British Birds of Prey*. Lutterworth Press, London, UK.
- RICHTER, M. 1994. Beobachtungen an stadtnahen Greif- und Rabenvogel-Revieren in Wuppertal-Ost. *Falke* 41:60.
- RIPLEY, B. D. 1981. *Spatial statistics*. John Wiley and Sons, New York, NY.
- RISCH, M., A. DWENGER, AND H. WIRTH. 1996. Der Sperber (*Accipiter nisus*) als Brutvogel in Hamburg: Bestandsentwicklung und Bruterfolg 1982–1996. *Hamburger avifaunistische Beiträge* 28:43–57.
- RISCH, M., V. LOOFT, AND F. ZIESEMER. 2004. Alter und Reproduktion weiblicher Habichte (*Accipiter gentilis*) in Schleswig-Holstein—ist Seneszenz nachweisbar? *Corax* 19:323–329.
- RISSLER, L. J. 1995. Habitat structure analysis of Northern Goshawk, *Accipiter gentilis atricapillus*, and Northern Spotted Owl, *Strix occidentalis caurina*, nesting stands in the eastern Cascades. M.S. thesis, Utah State University, Logan, UT.
- ROBBINS, C. S. 1979. Effects of forest fragmentation on bird populations. Pp. 198–212 in *Management of northcentral and northeastern forests for nongame birds*. USDA Forest Service General Technical Report NC-51. USDA Forest Service, Northcentral Forest Experiment Station, Minneapolis, MN.

- ROBBINS, C. S., D. BYSTRAK, AND P. H. GEISSLER. 1986. The breeding bird survey: its first fifteen years, 1965–1979. USDI Fish and Wildlife Service Resource Publication 157:1–196. Washington, DC.
- ROBBINS, M. B., AND D. A. EASTERLA. 1992. Birds of Missouri: their distribution and abundance. University of Missouri Press, Columbia, MO.
- ROBERSON, A. M. 2001. Evaluating and developing survey techniques using broadcast conspecific calls for Northern Goshawks in Minnesota. M.S. thesis, University of Minnesota, St. Paul, MN.
- ROBERSON, A. M., D. E. ANDERSEN, AND P. L. KENNEDY. 2003. The Northern Goshawk (*Accipiter gentilis atricapillus*) in the western Great Lakes Region: a technical conservation assessment. Minnesota Cooperative Fish and Wildlife Research Unit, University of Minnesota, St. Paul, MN.
- ROBICHAUD, B., AND M. F. BUELL. 1973. Vegetation of New Jersey: a study in landscape diversity. Rutgers University Press, New Brunswick, NJ.
- ROBINSON, J. C. 1990. An annotated checklist of the birds of Tennessee. University of Tennessee Press, Knoxville, TN.
- ROBINSON, S. K., AND R. T. HOLMES. 1982. Foraging behavior of forest birds: the relationships among search tactics, diet, and habitat structure. *Ecology* 63:1918–1931.
- RODENHOUSE, N. L., T. W. SHERRY, AND R. T. HOLMES. 1997. Site-dependent regulation of population size: a new synthesis. *Ecology* 78:2025–2042.
- ROGERS, A. S. 2001. Use of remote cameras to assess diet of Northern Goshawks (*Accipiter gentilis*) on the Apache-Sitgreaves National Forest, Arizona. M.S. thesis, University of Arizona, Tucson, AZ.
- ROHNER, C. 1996. The numerical response of Great Horned Owls to the snowshoe hare cycle: consequences of non-territorial ‘floaters’ on demography. *Journal of Animal Ecology* 65:359–370.
- ROHNER, C., AND F. I. DOYLE. 1992. Food-stressed Great Horned Owl kills adult Goshawk: exceptional observation or community process? *Journal of Raptor Research* 26:261–263.
- ROLOFF, G. J., AND J. B. HAUFLER. 1997. Establishing population viability planning objectives based on habitat potentials. *Wildlife Society Bulletin* 25:895–904.
- ROMESBURG, H. C. 1981. Wildlife science: gaining reliable knowledge. *Journal of Wildlife Management* 45:293–313.
- ROMME, W. H., M. G. TURNER, D. B. TINKER, AND D. H. KNIGHT. 2004. Emulating natural forest disturbances in the wildland-urban interface of the Greater Yellowstone Ecosystem. Pp. 243–250 in A. H. Perera, L. J. Buse, and M. G. Weber (editors). *Emulating natural forest landscape disturbances: concepts and applications*. Columbia University Press, New York, NY.
- ROOT, M., AND B. ROOT. 1978. A nesting census of the uncommon raptors in northwest Connecticut ‘77. *Hawk Mountain News Annual Report* 35:5–13.
- ROOT, T. 1988. Atlas of wintering North American birds. An analysis of Christmas bird count data. University of Chicago Press, Chicago, IL.
- ROSENBERG, D. K., AND K. S. MCKELVEY. 1999. Estimation of habitat selection for central-place foraging animals. *Journal of Wildlife Management* 63:1028–1038.
- ROSENBERG, K. V., AND R. J. COOPER. 1990. Approaches to avian diet analysis. *Studies in Avian Biology* 13:80–90.
- ROSENBERG, K. V., R. D. OHMART, W. C. HUNTER, AND B. W. ANDERSON. 1991. Birds of the lower Colorado River Valley. University of Arizona Press, Tucson, AZ.
- ROSENDAAL, C. W. C. 1990. Haviken in Zuid-Twente I: voedselonderzoek 1984–1988. *Vogeljaar* 38:198–207.
- ROSENFELD, R. N., AND J. BIELEFELDT. 1993. Trapping techniques for breeding Cooper’s Hawks. *Journal of Raptor Research* 27:171–172.
- ROSENFELD, R. N., J. BIELEFELDT, AND S. M. VOS. 1996. Skewed sex ratios in Cooper’s Hawk offspring. *Auk* 113:957–960.
- ROSENFELD, R. N., J. BIELEFELDT, R. K. ANDERSON, AND J. M. PAPP. 1991. Raptor status reports: *Accipiters*. Pp. 42–49 in B. Giron Pendleton, D. L. Krahe, M. N. LeFranc, Jr., K. Titus, J. C. Bednarz, D. E. Andersen, and B. A. Millsap (editors). *Proceedings of the mid-west raptor management symposium and workshop*. National Wildlife Federation Science Technical Series 15, Washington, DC.
- ROSENFELD, R. N., J. BIELEFELDT, D. R. TREXEL, AND T. C. J. DOOLITTLE. 1998. Breeding distribution and nest-site habitat of Northern Goshawks in Wisconsin. *Journal of Raptor Research* 32:189–194.
- ROSENFELD, R. N., T. C. J. DOOLITTLE, AND J. BIELEFELDT. 1996. Status of forest-dependent raptors on the Northern Highland/American Legion State Forest and the Bois Brule River State Forest: a preliminary study. University of Wisconsin-Stevens Point, Stevens Point, WI.
- ROTBERRY, J. T., AND J. A. WIENS. 1991. Weather and reproductive variation in shrubsteppe sparrows: a hierarchical analysis. *Ecology* 72:1325–1335.
- RUDEBECK, G. 1950–51. The choice of prey and modes of hunting of predatory birds with special reference to their selective effect. *Oikos* 2:67–88, 3:200–231.
- RUGGIERO, L. F., K. B. AUBRY, S. W. BUSKIRK, G. M. KOEHLER, C. J. KREBS, K. S. MCKELVEY, AND J. R. SQUIRES. 2000. Ecology and conservation of lynx in the United States. University Press of Colorado, Boulder, CO.
- RUGGIERO, L. F., AND K. S. MCKELVEY. 2000. Toward a defensible lynx conservation strategy: a framework for planning in the face of uncertainty. Pp. 5–19. in L. F. Ruggiero, K. B. Aubry, S. W. Buskirk, G. M. Koehler, C. J. Krebs, K. S. McKelvey, and J. R. Squires (editors). *Ecology and conservation of lynx in the United States*. University Press of Colorado, Boulder, CO.
- RUGGIERO, L. F., D. E. PEARSON, AND S. E. HENRY. 1998. Characteristics of American marten den sites in Wyoming. *Journal of Wildlife Management* 62:663–673.

- RUSCH, D. A., AND W. G. REEDER. 1978. Population ecology of Alberta red squirrels. *Ecology* 59:400–420.
- RUSSELL, E. W. B. 1981. Vegetation of Northern New Jersey before European settlement. *American Midland Naturalist* 105:1–12.
- RUST, R., AND T. MISCHLER. 2001. Auswirkungen legaler und illegaler Verfolgung auf Habichtpopulationen in Südbayern. *Ornithologischer Anzeiger* 40:113–136.
- RUST, R., AND W. KECHELE. 1996. Altersbestimmung von Habichten *Accipiter gentilis*: Langfristige Vergleiche gemauserter Handschwingen. *Ornithologischer Anzeiger* 35:75–83.
- RUTZ, C. 2001. Raum-zeitliche Habitatnutzung des Habichts—*Accipiter gentilis*—in einem urbanen Lebensraum. Diploma thesis, University of Hamburg, Hamburg, Germany.
- RUTZ, C. 2003a. Assessing the breeding season diet of Goshawks *Accipiter gentilis*: biases of plucking analysis quantified by means of continuous radio-monitoring. *Journal of Zoology, London* 259:209–217.
- RUTZ, C. 2003b. Post-fledging dispersal of Northern Goshawks *Accipiter gentilis* in an urban environment. *Vogelwelt* 124:93–101.
- RUTZ, C. 2004. Breeding season diet of Northern Goshawks *Accipiter gentilis* in the city of Hamburg, Germany. *Corax* 19:311–322.
- RUTZ, C. 2005a. Extra-pair copulation and intraspecific nest intrusions in the Northern Goshawk *Accipiter gentilis*. *Ibis* 147:831–835.
- RUTZ, C. 2005b. The Northern Goshawk: Population dynamics and behavioural ecology. D.Phil. dissertation, University of Oxford, Oxford, UK.
- RUTZ, C., AND R. G. BIJLSMA. In press. Food limitation in a generalist predator. *Proceedings of the Royal Society of London, Series B*.
- RUTZ, C., M. J. WHITTINGHAM, AND I. NEWTON. 2006. Age-dependent diet choice in an avian top predator. *Proceedings of the Royal Society of London, Series B* 273:579–586.
- RUTZ, C., A. ZINKE, T. BARTELS, AND P. WOHLSEIN. 2004. Congenital neuropathy and dilution of feather melanin in nestlings of urban-breeding Northern Goshawks (*Accipiter gentilis*). *Journal of Zoo and Wildlife Medicine* 35:97–103.
- RYTMAN, H. 2001. Offspring sex ratio and male quality in Goshawk *Accipiter gentilis*. *Ornis Svecica* 11:79–82.
- SÆTHER, B. E., AND Ø. BAKKE. 2000. Avian life history variation and contributions of demographic traits to the population growth rate. *Ecology* 81:642–653.
- SAGE, J. H., L. B. BISHOP, AND W. P. BLISS. 1913. The birds of Connecticut. Connecticut Geological and Natural History Survey Bulletin No. 20, Hartford, CT.
- SALAFSKY, S. R. 2004. Covariation between prey abundance and Northern Goshawk reproduction on the Kaibab Plateau, Arizona. M.S. thesis, Colorado State University, Ft. Collins, CO.
- SALAFSKY, S., R. T. REYNOLDS, AND B. R. NOON. 2005. Patterns of temporal variation in Goshawk reproduction and prey resources. *Journal of Raptor Research* 39:237–246.
- SALLABANKS, R., E. B. ARNETT, AND J. M. MARZLUFF. 2000. An evaluation of research on the effects of timber harvest on bird populations. *Wildlife Society Bulletin* 28: 1144–1155.
- SALLABANKS, R., R. A. RIGGS, AND L. E. COBB. 2001. Bird use of forest structural classes in grand fir forests of the Blue Mountains, Oregon. *Forest Science* 48:311–321.
- SAMOILOV, B. L., AND G. V. MOROZOVA. 2001. The Goshawk. Pp. 115–117 in *The red data book of Moscow City*. ABF Press, Moscow, Russia. (in Russian).
- SAMUEL, M. D., AND M. R. FULLER. 1996. Wildlife radio telemetry. Pp. 370–418 in T. A. Bookhout (editor), *Research and management techniques for wildlife and habitats*. 5th ed. The Wildlife Society, Bethesda, MD.
- SARA. 2002. Species at risk act. Schedule 1, Part 3. Canada. <http://www.speciestrisk.gc.ca/default_e.cfm> (11 January 2006).
- SAS INSTITUTE INC. 1988. SAS/STAT user's guide: statistics. SAS Institute, Inc., Cary, NC.
- SAS INSTITUTE, INC. 2001. SAS/STAT user's guide, release 8.2. SAS Institute, Inc, Cary, NC.
- SAS INSTITUTE INC. 2004. SAS/STAT® 9.1 user's guide. SAS Institute Inc., Cary, NC.
- SAUNDERS, L. B. 1982. Essential nesting habitat of the Goshawk (*Accipiter gentilis*) on the Shasta-Trinity National Forest, McCloud District. M.S. thesis, California State University, Chico, CA.
- SAUROLA, P. 1976. Kanahaukan kuolevuus ja kuolinsyyt. *Suomen Luonto* 35:310–314
- SCHAEFFER, W. W. 1998. Northern Goshawk (*Accipiter gentilis*) habitat characterization in central Alberta. M.S. thesis, University of Alberta, Edmonton, AB, Canada.
- SCHARENBERG, W., AND V. LOOFT. 2004. Reduction of organochlorine residues in Goshawk eggs (*Accipiter gentilis*) from Northern Germany (1971–2002) and increasing eggshell index. *Ambio* 33:495–498.
- SCHIPPER, W. J. A., L. S. BUURMA, AND P. H. BOSSENBROEK. 1975. Comparative study of hunting behaviour of wintering Hen Harriers *Circus cyaneus* and Marsh Harriers *Circus aeruginosus*. *Ardea* 63:1–29.
- SCHLOSSER, W. 2000. Sturmschäden an Brutplätzen des Habichts *Accipiter gentilis*: Auswirkungen des Orkans "Lothar". *Der Ornithologische Beobachter* 97: 335–337.
- SCHMID, J. M., AND S. A. MATA. 1992. Stand density and mountain pine beetle-caused tree mortality in ponderosa stands. USDA Forest Service General Technical Report RM-GTR-275. USDA Forest Service, Rocky Mountain Research Station, Ft. Collins, CO.
- SCHMIDT, K. M., J. P. MENAKIS, C. C. HARDY, W. J. HANN, AND D. L. BUNNELL. 2002. Development of coarse-scale spatial data for wildland fire and fuel management. USDA Forest Service General Technical Report RM-GTR-87. USDA Forest Service, Rocky Mountain Research Station, Ft. Collins, CO.
- SCHNEIDER, H.-G., A. GOTTMANN, AND M. WILKE. 1986. Ergebnisse langjähriger Untersuchungen zur Bestandsentwicklung, Siedlungsdichte, Siedlungsweise und Brutbiologie des Habichts (*Accipiter gentilis*) auf

- 3 Probeflächen in Nordhessen. Vogelkundliche Hefte Edertal 12:15–28.
- SCHNELL, J. H. 1958. Nesting behavior and food habits of Goshawks in the Sierra Nevada of California. *Condor* 60: 377–403.
- SCHOENER, T. W. 1968. Sizes of feeding territories among birds. *Ecology* 49:123–141.
- SCHOENER, T. W. 1971. Theory of feeding strategies. *Annual Review of Ecology and Systematics* 2:369–404.
- SCHOENER, T. W. 1984. Size differences among sympatric bird-eating hawks: a worldwide survey. Pp. 254–281 in D. R. Strong, Jr., D. Simberloff, L. G. Abele, and A. B. Thistle (editors). *Ecological communities. Conceptual issues and evidence*. Princeton University Press, Princeton, NJ.
- SCHOENHERR, A. A. 1992. *A natural history of California*. University of California Press, Berkeley, CA.
- SCHOENNAGEL, T., T. T. VELEN, and W. H. ROMME. 2004. The interaction of fire, fuels, and climate across Rocky Mountain forests. *BioScience* 54:661–676.
- SCHÖNBRODT, R., and H. TAUCHNITZ. 1991. Greifvogelhorstkontrollen der Jahre 1986 bis 1990 bei Halle. *Populationsökologie Greifvogel- und Eulenarten* 2: 61–74.
- SCHRÖDER, H. D. 1981. Diseases of birds of prey with special reference to infectious diseases. Pp. 37–39 in J. E. Cooper, and A. G. Greenwood (editors). *Recent advances in the study of raptor diseases*. Chiron Publications Ltd., Keighley, West Yorkshire, UK.
- SCHULLERY, P. 1989. The fires and fire policy. *BioScience* 39:686–694.
- SCHWAB, F. E., and A. R. E. SINCLAIR. 1994. Biodiversity of diurnal breeding bird communities related to succession in the dry Douglas-fir forests of southeastern British Columbia. *Canadian Journal of Forestry Research* 24:2034–2040.
- SCHWARZ, G. 1978. Estimating the dimension of a model. *Annals of Statistics* 6:461–464.
- SCOTT, V. E., and G. L. CROUCH. 1988. Summer birds and mammals of aspen-conifer forests in west-central Colorado. USDA Forest Service Research Paper RM-280. USDA Forest Service, Rocky Mountain Forest and Range Experiment Station, Fort Collins, CO.
- SCOTT, V. E., and D. R. PATTON. 1975. Cavity-nesting birds of Arizona and New Mexico Forests. USDA Forest Service General Technical Report RM-10. USDA Forest Service, Rocky Mountain Forest and Range Experiment Station, Fort Collins, CO.
- SCOTT, V. E., K. E. EVANS, D. R. PATTON, and P. L. STONE. 1977. Cavity-nesting birds of North American forests. USDA Forest Service, Agricultural handbook. Washington, DC.
- SCRIBNER, K. T., and R. J. WARREN. 1990. Seasonal movements of cottontail rabbits on isolated playas. *Journal of Wildlife Management* 54:403–409.
- SEAMANS, M. E., R. J. GUTIÉRREZ, and C. A. MAYM. 2002. Mexican Spotted Owl (*Strix occidentalis*) population dynamics: influence of climatic variation on survival and reproduction. *Auk* 119:321–334.
- SEBER, G. A. G. 1965. A note on the multiple-recapture census. *Biometrika* 52:249–259.
- SELÁS, V. 1989. Prey selection in the Goshawk during the breeding season. *Fauna Norvegica Ser C, Cinclus* 42: 104–110.
- SELÁS, V. 1997a. Influence of prey availability on re-establishment of Goshawk *Accipiter gentilis* nesting territories. *Ornis Fennica* 74:113–120.
- SELÁS, V. 1997b. Nest-site selection by four sympatric forest raptors in southern Norway. *Journal of Raptor Research* 31:16–25.
- SELÁS, V. 1998a. Does food competition from red fox (*Vulpes vulpes*) influence the breeding density of Goshawk (*Accipiter gentilis*)? Evidence from a natural experiment. *Journal of Zoology, London* 246:325–335.
- SELÁS, V. 1998b. Hønehaukbestandene i tilbakegang—også i Aust-Agder. *Vår fuglefauna* 21:149–154.
- SELÁS, V., and C. STEEL. 1998. Large brood sizes of Pied Flycatcher, Sparrowhawk and Goshawk in peak micro-tine years: support for the mast depression hypothesis. *Oecologia* 116:449–455.
- SERGIO, F., L. MARCHESI, and P. PEDRINI. 2003. Spatial refugia and the coexistence of a diurnal raptor with its intraguild owl predator. *Journal of Animal Ecology* 72:232–245.
- SERGIO, F., and I. NEWTON. 2003. Occupancy as a measure of territory quality. *Journal of Animal Ecology* 72: 857–865.
- SERRANO, D. 2000. Relationship between raptors and rabbits in the diet of Eagle Owls in southwestern Europe: competition removal or food stress? *Journal of Raptor Research* 34:305–310.
- SESNIE, S., and J. BAILEY. 2003. Using history to plan the future of old-growth ponderosa pine. *Journal of Forestry* 101:40–47.
- SHAFFER, M. L. 1981. Minimum population sizes for species conservation. *BioScience* 31:131–134.
- SHAWYER, C., R. CLARKE, and N. DIXON. 2000. A study into the raptor predation of domestic pigeons. Department of the Environment, Transport and the Regions, London, UK.
- SHELFORD, V. E. 1963. *The ecology of North America*. University of Illinois Press, Urbana, IL.
- SHIGESADA, N., and K. KAWASAKI. 1997. *Biological invasions: theory and practice*. Oxford University Press, Oxford, UK.
- SHUSTER, W. C. 1980. Northern Goshawk nest site requirements in the Colorado Rockies. *Western Birds* 11: 89–96.
- SIDERS, M. S., and P. L. KENNEDY. 1994. Nesting habitat of *Accipiter* hawks: is body size a consistent predictor of nest habitat characteristics? *Studies in Avian Biology* 16:92–96.
- SIDERS, M. S., and P. L. KENNEDY. 1996. Forest structural characteristics of accipiter nesting habitat: is there an allometric relationship? *Condor* 98:123–132.
- SILVER, R. D., A. MACFARLANE, M. SAUBER, C. I. SANDELL, S. M. HITT, P. GALVIN, T. SCHULKE, S. W. HOFFMAN, S. WOTKYN, S. HIRSCH, and G. WARDWELL. 1991. Northern

- Goshawk listing petition to Secretary of the Interior, U.S. Department of Interior, Washington, DC.
- SILVERMAN, B. W. 1986. Density estimation for statistics and data analysis. Chapman and Hall, London, UK.
- SIMMONS, R. E., D. M. AVERY, AND G. AVERY. 1991. Biases in diets determined from pellets and remains: correction factors for a mammal and a bird-eating raptor. *Journal of Raptor Research* 25:63–67.
- SINCLAIR, A. R. E. 1989. Population regulation in animals. Pp. 197–241 in J. M. Cherrett (editor). *Ecological concepts*, Blackwell, Oxford, UK.
- SMALL, A. 1994. California birds: their status and distribution. Ibis Publishing, Vista, CA.
- SMALLWOOD, K. S. 1998. On the evidence needed for listing Northern Goshawks (*Accipiter gentilis*) under the Endangered Species Act: a reply to Kennedy. *Journal of Raptor Research* 32:323–329.
- SMALLWOOD, K. S., J. BEYEA, AND M. L. MORRISON. 1999. Using the best scientific data for endangered species conservation. *Environmental Management* 24: 421–435.
- SMITH, C. C. 1968. The adaptive nature and social organization of tree squirrels *Tamiasciurus*. *Ecological Monographs* 38:31–63.
- SMITH, C. C. 1970. The coevolution of pine squirrels (*Tamiasciurus*) and conifers. *Ecological Monographs* 40:349–371.
- SMITH, C. C., AND R. P. BALDA. 1979. Competition among insects, birds, and mammals for conifer seeds. *American Zoologist* 19:1065–1083.
- SMITH, D. G., AND A. DEVINE. 1994. Northern Goshawk. Pp. 98–99 in L. R. Bevier (editor). *Breeding bird atlas of Connecticut*. State Geological and Natural History Survey. Bulletin No. 113. Hartford, CT.
- SMITH, D. G., AND J. R. MURPHY. 1973. Breeding ecology of raptors in the eastern Great Basin of Utah. *Brigham Young University Science Bulletin, Biological Series* 18, Provo, UT.
- SMITH, D. M. 1986. The practice of silviculture. John Wiley and Sons, Inc., New York, NY.
- SMITH, J. P., S. W. HOFFMANN, AND J. A. GESSAMAN. 1990. Regional size differences among fall-migrant *Accipiters* in North America. *Journal of Field Ornithology* 61:192–200.
- SMITH, M. C. 1968. Red squirrel response to spruce cone failure in interior Alaska. *Journal of Wildlife Management* 32:305–317.
- SMITHERS, B. L. 2003. Northern Goshawk food habits in Minnesota: an analysis using time-lapse video recording systems. M.S. thesis, Texas Technical University, Lubbock, TX.
- SMITHERS, B. L., C. W. BOAL, AND D. E. ANDERSEN. 2005. Northern Goshawk diet in Minnesota: an analysis using video recording systems. *Journal of Raptor Research* 39:264–273.
- SNYDER, H. A. 1995. Apache Goshawk conservation biology in southeast Arizona. Arizona Game and Fish Department, Final Report. Heritage Project No. I92065, Phoenix, AZ.
- SNYDER, M. A. 1993. Interactions between Abert's squirrel and ponderosa pine: the relationship between selective herbivory and host plant fitness. *American Naturalist* 141:866–879.
- SNYDER, N. F. R., AND H. A. SNYDER. 1991. Birds of prey. Natural history and conservation of North American raptors. Voyageur Press, Inc., Stillwater, MN.
- SNYDER, N. F. R., AND J. W. WILEY. 1976. Sexual size dimorphism in hawks and owls of North America. *Ornithological Monographs* 20:1–96.
- SNYDER, N. F. R., S. R. BEISSINGER, AND M. R. FULLER. 1989. Solar radio-transmitters on Snail Kites in Florida. *Journal of Field Ornithology* 60:171–177.
- SNYDER, N. F. R., H. A. SNYDER, J. L. LINCER, AND R. T. REYNOLDS. 1973. Organochlorines, heavy metals, and the biology of North American accipiters. *BioScience* 23:300–305.
- SOKAL, R. R., AND F. J. ROHLF. 1981. *Biometry*. W.H. Freeman and Company, New York, NY.
- SOLLIE, A. 1979. Bestandsutviklingen hos hønehauk *Accipiter gentilis*, i Norge de siste 100 år. *Vår Fuglefauna* 2:95–106.
- SONSTHAGEN, S. A. 2002. Year-round habitat, movement, and gene flow of Northern Goshawks breeding in Utah. M.S. thesis, Brigham Young University, Provo, UT.
- SONSTHAGEN, S. A., S. L. TALBOT, AND C. M. WHITE. 2004. Gene flow and genetic characterization of Northern Goshawks breeding in Utah. *Condor* 106:826–836.
- ŠOTNÁR, K. 2000. Prípevok k hniezdnej biológii a potravnjej ekológii jastraba veľkého (*Accipiter gentilis*) na hornom Ponitří. *Buteo* 11:43–50.
- SOUTHERN, H. N. 1970. The natural control of a population of Tawny Owls (*Strix aluco*). *Journal of Zoology, London* 162:197–285.
- SOUTO, D. R., AND K. S. SHIELDS. 2000. Overview of hemlock health. Pp. 76–80 in *Proceedings of a symposium on sustainable management of hemlock ecosystems in eastern North America*. USDA Forest Service General Technical Report NE-267. USDA Forest Service, Northeastern Research Station, Newtown Square, PA.
- SPEAR, M. J. 1993. Comments on the US Forest Service management recommendations for the Northern Goshawk in the southwestern United States. Pp. 91–102 in *Arizona Game and Fish Department Review of U.S. Forest Service strategy for managing the Northern Goshawk in the southwestern United States*. Arizona Game and Fish Department, Phoenix, AZ.
- SPEISER, R. 1981. Breeding birds of the Ramapo-Hudson Highlands, New Jersey and New York. M.S. thesis, Marshall University, Huntington, WV.
- SPEISER, R. 1992. Notes on the natural history of the Northern Goshawk. *Kingbird* 42:133–137.
- SPEISER, R., AND T. BOSAKOWSKI. 1984. History, status, and future management of Goshawk nesting in New Jersey. *Records of New Jersey Birds* 10:29–33.
- SPEISER, R., AND T. BOSAKOWSKI. 1987. Nest site selection by Northern Goshawks in northern New Jersey and southeastern New York. *Condor* 89:387–394.

- SPEISER, R., AND T. BOSAKOWSKI. 1988. Nest site preferences of Red-tailed Hawks in the highlands of southeastern New York and northern New Jersey. *Journal Field Ornithology* 59:361–368.
- SPEISER, R., AND T. BOSAKOWSKI. 1989. Nest trees selected by Northern Goshawks along the New York-New Jersey border. *Kingbird* 39:132–141.
- SPEISER, R., AND T. BOSAKOWSKI. 1991. Nesting phenology, site fidelity, and defense behavior of Northern Goshawks in New York and New Jersey. *Journal of Raptor Research* 25:132–135.
- SPENCER, W. D. 1987. Seasonal rest-site preferences of pine martens in the northern Sierra Nevada. *Journal of Wildlife Management* 51:616–621.
- SPERBER, G. 1970. Brutergebnisse und Verlustursachen beim Habicht (*Accipiter gentilis*). *Berichte der Deutschen Section des Internationalen Rates für Vogelschutz* 10:51–56.
- SPIES, T. A., AND J. F. FRANKLIN. 1996. The diversity and maintenance of old-growth forests. Pp. 296–314 in R. C. Szaro, and D. W. Johnson (editors). *Biodiversity in managed landscapes: theory and practice*. Oxford Press, New York, NY.
- S-PLUS. 1995. Statistical software package for personal computers. StatSci Division, MathSoft, Inc., Seattle, WA.
- SQUIRES, J. R. 1995. Carrion use by Northern Goshawks. *Journal of Raptor Research* 29:283.
- SQUIRES, J. R. 2000. Food habits of Northern Goshawks nesting in south central Wyoming. *Wilson Bulletin* 112:536–539.
- SQUIRES, J. R., G. D. HAYWARD, AND J. F. GORE. 1998. The role of sensitive species in avian conservation management. Pp.155–176 in J. M. Marzluff, and R. Sallabanks (editors). *Avian conservation research and management*. Island Press, Washington, DC.
- SQUIRES, J. R., AND R. T. REYNOLDS. 1997. Northern Goshawk (*Accipiter gentilis*). In A. Poole, and F. Gill (editors). *The Birds of North America*, No. 298. The Academy of Natural Sciences, Philadelphia, PA, and The American Ornithologists' Union, Washington, DC.
- SQUIRES, J. R., AND L. F. RUGGIERO. 1995. Winter movements of adult Northern Goshawks that nested in southcentral Wyoming. *Journal of Raptor Research* 29:5–9.
- SQUIRES, J. R., AND L. F. RUGGIERO. 1996. Nest-site preference of Northern Goshawks in southcentral Wyoming. *Journal of Wildlife Management* 60:170–177.
- ŠŤASTNÝ, K., A. RANDÍK, AND K. HUDEC. 1987. The atlas of breeding birds in Czechoslovakia 1973/77). *Academia Praha, Praha, Czech Republic*.
- ŠŤASTNÝ, K., V. BEJČEK, AND K. HUDEC. 1996. Atlas hnízdního rozšíření ptáků v České republice 1985–1989. *Nakladatelství a vydavatelství H&H, Praha, Czech Republic*.
- STATE OF UTAH. 2000. Automated geographic reference center. <<http://agrc.its.state.ut.us/>> (4 November 2005).
- STATE OF UTAH. 2001. Automated geographic reference center. <<http://agrc.utah.gov/>> (11 August 2005).
- STATES, J. S. W. S. GAUD, W. S. ALLRED, AND W. J. AUSTIN. 1988. Foraging patterns of tassel-eared squirrels in selected ponderosa pine stands. In R. Szaro, K. Severson, D. Patton (editors). *Management of amphibians, reptiles and small mammals in North America*. USDA Forest Service General Technical Report RM-166. USDA Forest Service, Rocky Mountain Forest and Range Experiment Station, Fort Collins, CO.
- STAUDE J. 1987. Ergebnisse mehrjähriger Brutbestandsaufnahmen von Greifvögeln im Weserbergerland. *Vogelkundliche Berichte aus Niedersachsen* 19:37–45.
- STEEN, O. F. 2004. Hønehauken i Buskerud-tetthet, bestand och hekkesuksess. *Vår Fuglefauna* 27:18–24.
- STEENHOF, K. 1987. Assessing raptor reproductive success and productivity. Pp. 157–170 in B. Giron Pendleton, B.A., Millisap, K. W. Cline, and D. M. Bird (editors), *Raptor management techniques manual*. National Wildlife Federation, Washington, DC.
- STEENHOF, K., AND M. N. KOCHERT. 1982. An evaluation of methods used to estimate raptor nesting success. *Journal of Wildlife Management* 46:885–893.
- STEENHOF, K., M. N. KOCHERT, L. B. CARPENTER, AND R. N. LEHMAN. 1999. Long-term Prairie Falcon population changes in relation to prey abundance, weather, land uses, and habitat conditions. *Condor* 101:28–41.
- STEIN, S. M., R. E. MCROBERTS, R. J. ALIG, M. D. NELSON, D. M. THEOBALD, M. ELEY, M. DECHTER, AND M. CARR. 2005. Forests on the edge: housing development on America's private forests. USDA Forest Service General Technical Report PNW-GTR-636. USDA Forest Service, Pacific Northwest Research Station, Portland, OR.
- STEINER, H. 1998. Wald und Greifvögel. Lebensraumqualität im fragmentierten Wald, Räuber-Beute-Beziehung und Grundlagen für ein Naturschutzmanagement. Ph.D. dissertation, University of Salzburg, Salzburg, Austria.
- STEINER, H. 1999. Der Mäusebussard (*Buteo buteo*) als Indikator für Struktur und Bodennutzung des ländlichen Raumes: Produktivität im heterogenen Habitat, Einfluß von Nahrung und Witterung und Vergleiche zum Habicht (*Accipiter gentilis*). *Stapfia* 62:1–74.
- STENSETH, N. C., AND W. Z. LIDICKER (EDITORS). 1992. *Animal dispersal. Small mammals as a model*. Chapman and Hall, London, UK.
- STEPHENS, D. W., AND J. R. KREBS. 1986. *Foraging theory*. Princeton University Press, Princeton, NJ.
- STEPHENS, R. M. 2001. Migration, habitat use, and diet of Northern Goshawks (*Accipiter gentilis*) that winter in the Uinta Mountains, Utah. M.S. thesis, University of Wyoming, Laramie, WY.
- STEPHENSON, R. L. 1974. Seasonal food habits of the Abert's squirrel, *Sciurus aberti*. *Journal of the Arizona Academy of Science* 9. *Proceedings Supplement*, Tucson, AZ.
- STOHLGREN, T., D. T. BARNETT, AND J. T. KARTESZ. 2003. The rich get richer: patterns of plant invasions in the United States. *Frontiers in Ecology and the Environment* 1: 11–14.
- STORER, R. W. 1966. Sexual dimorphism and food habits in three North American *Accipiters*. *Auk* 83:423–436.

- STORGÅRD, K., AND F. BIRKHOLOM-CLAUSEN. 1983. En status over Duehøgen i Sydjylland. Proceedings of the Third Nordic Congress of Ornithology 1981:59–64.
- STRAUSS, D. J. 1975. A model for clustering. *Biometrika* 62:467–475.
- STRAAß, V. 1984. Telemetrische Untersuchungen über die Raumnutzung des Habichts (*Accipiter gentilis* L.) im Landkreis Freising/Oberbayern. Diploma thesis, University of Munich (Tech.), Munich, Germany.
- STUBBE, M., H. ZÖRNER, H. MATTHES, AND W. BÖHM. 1991. Reproduktionsrate und gegenwärtiges Nahrungsspektrum einiger Greifvogel arten im nördlichen Harzvorland. *Populationsökologie Greifvogel- und Eulenarten* 2:39–60.
- SULKAVA, S. 1964. Zur Nahrungsbiologie des Habichts, *Accipiter gentilis* L. *Aquilo Seria Zoologica* 3:1–103.
- SULKAVA, S. 1999. Luita, sulkia, karvoja - rengastajien keräämät saalislähteet kertovat petolintujen ravinnosta. Pp. 148–151 in E. Lammi (editor). *Linnut-vuosikirja 1999*. BirdLife, Helsinki, Finland.
- SULKAVA, S., K. HUHTALA, AND R. TORNBORG. 1994. Regulation of Goshawk *Accipiter gentilis* breeding in western Finland over the last 30 years. Pp.67–76 in B.-U. Meyburg, and R. D. Chancellor (editors). *Raptor conservation today*. World Working Group on Birds of Prey and Owls, Pica Press, East Sussex, UK.
- SULLIVAN, T. P. 1990. Responses of red squirrel (*Tamiasciurus hudsonicus*) populations to supplemental food. *Journal of Mammalogy* 71:579–590.
- SULLIVAN, T. P., B. JONES, AND D. S. SULLIVAN. 1989. Population ecology and conservation of the mountain cottontail, *Sylvilagus nuttalli*, in southern British Columbia. *Canadian Field-Naturalist* 103:335–342.
- SULLIVAN, T. P., AND R. A. MOSES. 1986. Red squirrel populations in natural and managed stands of lodgepole pine. *Journal of Wildlife Management* 50:595–601.
- SULLIVAN, T. P., AND D. S. SULLIVAN. 1982. Population dynamics and regulation of the Douglas squirrel (*Tamiasciurus douglasii*) with supplemental food. *Oecologia* 53:264–270.
- SUNDE, P. 2002. Starvation mortality and body condition of Goshawks *Accipiter gentilis* along a latitudinal gradient in Norway. *Ibis* 144:301–310.
- SUTHERLAND, W. 1996. Predicting the consequences of habitat loss for migratory populations. *Proceedings of the Royal Society, Series B* 263:1325–1327.
- SUTTON, G. M. 1925. Notes on the nesting of the Goshawk in Potter County, Pennsylvania. *Wilson Bulletin* 37: 193–199.
- SUTTON, G. M. 1931. The status of the Goshawk in Pennsylvania. *Wilson Bulletin* 43:108–113.
- SUZUKI, D. 2003. A look at world parks. *Science* 301:1289.
- SVENSSON, S. 2002. Development of the Goshawk *Accipiter gentilis* population in Sweden since 1975. *Ornis Svecica*. 12:147–156.
- SWEENEY, S. J., P. T. REDIG, AND H. B. TORDOFF. 1997. Morbidity, survival and productivity of rehabilitated Peregrine Falcons in upper midwestern U.S. *Journal of Raptor Research* 31:347–352.
- SWEM, T., AND M. ADAMS. 1992. A Northern Goshawk nest in the tundra biome. *Journal of Raptor Research* 26: 102.
- SWENSON, S. 1991. Social organization of Hazel Grouse and ecological factors influencing it. Ph.D. dissertation, University of Alberta, Edmonton, AB, Canada.
- SWETNAM, T. W., AND A. M. LYNCH. 1989. A tree-ring reconstruction of western spruce budworm history in the southern Rocky Mountains. *Forest Science* 35: 962–986.
- SWETS, J. A. 1988. Measuring the accuracy of diagnostic systems. *Science* 240:1285–1293.
- SZARO, R. C., AND R. BALDA. 1979. Bird community dynamics in a ponderosa pine forest. *Studies in Avian Biology* 3:1–66.
- TAPPER, S. 1992. Game heritage: an ecological review from shooting and gamekeeping records. Game Conservancy, Fordingbridge, UK.
- TAUCHNITZ, H. 1991. Zur Aktivität des Habichts. *Populationsökologie Greifvogel- und Eulenarten* 2: 313–315.
- TAVERNER, P.A. 1940. Variation in the American Goshawk. *Condor* 42:157–160.
- TELLA, J. L., AND S. MAÑOSA. 1993. Eagle Owl predation on Egyptian Vulture and Northern Goshawk: possible effect of a decrease in European rabbit availability. *Journal of Raptor Research* 27:111–112.
- TELLUS INSTITUTE. 2003. The most influential Supreme Court ruling you've never heard of. <[www.Defending Science.org/SKAPP-daubert-report-abstract.cfm](http://www.DefendingScience.org/SKAPP-daubert-report-abstract.cfm)>. (27 September 2005).
- TEMELES, E. J. 1985. Sexual size dimorphism of bird-eating hawks: the effect of prey vulnerability. *American Naturalist* 125:485–499.
- TERRASSE, J.-F. 1969. Breeding populations of birds of prey in France. Pp. 353–355 in J. J. Hickey (editor). *Peregrine Falcon populations: their biology and decline*. University of Wisconsin Press, Madison, Milwaukee, WI.
- TERRES, J. K. 1991. *The Audubon Society encyclopedia of North American birds*. Wings Books, New York, NY
- TESTER, J. R. 1995. *Minnesota's natural heritage: an ecological perspective*. University of Minnesota, Minneapolis, MN.
- TEVIS, L. JR. 1952. Autumn foods of chipmunks and golden-mantled ground squirrels in the northern Sierra Nevada. *Journal of Mammalogy* 33:198–205.
- TEVIS, L. JR. 1953. Stomach contents of chipmunks and mantled ground squirrels in northeastern California. *Journal of Mammalogy* 34:316–324.
- TEVIS, L. JR. 1955. Observations on chipmunks and mantled squirrels in northeastern California. *American Midland Naturalist* 53:71–78.
- TEVIS, L. JR. 1956. Invasion of a logged area by golden-mantled ground squirrel. *Journal of Mammalogy* 37: 291–292.
- THIOLLAY, J.-M. 1967. *Ecologie d'une population de rapaces diurnes en Lorraine*. *La Terre et la Vie—Revue D'Écologie Appliquée* 21:116–183.

- THIOLLAY, J.-M., AND J.-F. TERRASSE (EDITORS). 1984. Estimation des effectifs de rapaces nicheurs diurnes et non rupestres en France. Fonds d'Intervention pour les Rapaces, Paris, France.
- THIRGOOD, S. J., S. M. REDPATH, P. ROTHERY, AND N. J. AEBISCHER. 2000. Raptor predation and population limitation in Red Grouse. *Journal of Animal Ecology* 69:504–516.
- THISSEN, J., G. MÜSKENS, AND P. OPDAM. 1981. Trends in the Dutch Goshawk *Accipiter gentilis* population and their causes. Pp. 28–43 in R. E. Kenward, and I. M. Lindsay (editors). *Understanding the Goshawk*. International Association for Falconry and Conservation of Birds of Prey, Oxford, UK.
- THOMAS, J. W. 1979. Wildlife habitats in managed forests: the Blue Mountains of Oregon and Washington. U.S. Department of Agriculture. Handbook 553. U.S. Government Printing Office, Washington, DC.
- THOMAS, J. W. 1999. Learning from the past and moving to the future. Pp. 11–25 in K. N. Johnson, F. Swanson, M. Herring, and S. Greene (editors). *Bioregional assessments: science at the crossroads of management policy*. Island Press, Covelo, CA.
- THOMAS, J. W., R. G. ANDERSON, C. MASER, AND E. L. BULL. 1979. Snags. Pp. 60–77 in J. W. Thomas (editor). *Wildlife habitats in managed forest: the Blue Mountains of Oregon and Washington*. USDA Forest Service Agricultural Handbook No. 553. U.S. Government Printing Office, Washington, DC.
- THOMAS, J. W., E. D. FORSMAN, J. B. LINT, C. E. MESLOW, B. R. NOON, AND J. VERNER. 1990. A conservation strategy for the Northern Spotted Owl. A report by the Interagency Scientific Committee to address the conservation of the Northern Spotted Owl. USDA Forest Service, USDI Bureau of Land Management, Fish and Wildlife Service, and National Park Service, Portland, OR.
- THOMAS, J. W., M. G. RAPHAEL, R. G. ANTHONY, E. D. FORSMAN, A. G. GUNDERSON, R. S. HOLTHAUSEN, B. G. MARCOT, G. H. REEVES, J. R. SEDELL, AND D. M. SOLIS. 1993. Viability assessments and management considerations for species associated with late-successional and old-growth forests of the Pacific Northwest. USDA Forest Service, Portland, OR.
- THOMPSON, I. D., I. J. DAVIDSON, S. O'DONNELL, AND F. BRAZEAU. 1989. Use of track transects to measure the relative occurrence of some boreal mammals in uncut forest and regeneration stands. *Canadian Journal of Zoology* 67:1816–1823.
- THRILKILL, J. A., L. S. ANDREWS, AND R. M. CLAREMONT. 2000. Diet of breeding Northern Goshawks in the coast Range of Oregon. *Journal of Raptor Research* 34:339–340.
- TINBERGEN, L. 1936. Gegevens over het voedsel van Nederlandse Haviken (*Accipiter gentilis gallinarum* (Brehm)). *Ardea* 25:195–200.
- TITUS, K., AND J. A. MOSHER. 1981. Nest-site habitat selected by woodland hawks in the central Appalachians. *Auk* 98:270–281.
- TITUS, K., C. FLATTEN, AND R. LOWELL. 1994. Goshawk ecology and habitat relationships on the Tongass National Forest. Alaska Department of Fish and Game, Douglas, AK.
- TITUS, K., C. FLATTEN, AND R. LOWELL. 1996. Goshawk ecology and habitat relationships on the Tongass National Forest: selected analyses and 1995 field season progress report. Federal Aid in Wildlife Restoration Research Progress Report, Grant SE-4-2. Alaska Department of Fish and Game, Douglas, AK.
- TITUS, K., C. FLATTEN, AND R. LOWELL. 1997. Goshawk ecology and habitat relationships on the Tongass National Forest. Field progress report and preliminary stable isotope analysis 1996. Alaska Department of Fish and Game, Division of Wildlife Conservation, Juneau, AK.
- TITUS, K., AND M. R. FULLER. 1990. Recent trends in counts of migrant hawks from northeastern North America. *Journal of Wildlife Management* 54:463–470.
- TODD, C. R., AND M. A. BURGMAN. 1998. Assessment of threat and conservation priorities under realistic levels of uncertainty and reliability. *Conservation Biology* 12:966–974.
- TOMIAŁOJCZAK, L. 1980. The combined version of the mapping method. Pp. 92–106 in H. Oelke (editor). *Bird census work and nature conservation*. Proceedings VI International Conference Bird Census Work and IV Meeting European Ornithological Atlas Committee. Dachverband Deutscher Avifaunisten, Lengede, Germany.
- TOMIAŁOJCZAK, L., AND T. STAWARCZYK. 2003. *Awifauna Polski. Rosmieszczenie, liczebność i zmiany*. PTPP “pro Natura”, Wrocław, Poland.
- TORNBERG, R. 1997. Prey selection of the Goshawk *Accipiter gentilis* during the breeding season: The role of prey profitability and vulnerability. *Ornis Fennica* 74:15–28.
- TORNBERG, R. 2000. Effect of changing landscape structure on the predator-prey interaction between Goshawk and grouse. Ph.D. dissertation, Acta Universitatis Ouluensis, Oulu, Finland.
- TORNBERG, R. 2001. Pattern of Goshawk *Accipiter gentilis* predation on four forest grouse species in northern Finland. *Wildlife Biology* 7:245–256.
- TORNBERG, R., AND A. COLPAERT. 2001. Survival, ranging, habitat choice and diet of the Northern Goshawk *Accipiter gentilis* during winter in northern Finland. *Ibis* 143:41–50.
- TORNBERG, R., E. KORPIMÄKI, S. JUNGELL, AND V. REIF. 2005. Delayed numerical response of Goshawks to population fluctuations of forest grouse. *Oikos* 111:408–415.
- TORNBERG, R., M. MÖNKÖNEN, AND M. PAHKALA. 1999. Changes in diet and morphology of Finnish Goshawks from 1960s to 1990s. *Oecologia* 121:369–376.
- TORNBERG, R., AND S. SULKAVA. 1990. Kanalintujen kannanvaihtelun vaikutus kanahaukan ravinnonkäyttöön ja pesimistulokseen Oulun alueella vuosina 1965–88. *Suomen Riista* 36:53–61.
- TORNBERG, R., AND S. SULKAVA. 1991. The effect of changing tetraonid populations on the nutrition and breeding

- success of the Goshawk (*Accipiter gentilis* L.) in northern Finland. *Aquilo Seria Zoologica* 28:23–33.
- TORNBERG, R., AND V. VIRTANEN. 1997. Milloin ja miksi kanahaukat kuolevat? *Linnut* 32:10–13.
- TOYNE, E. P. 1994. Studies on the ecology of the Northern Goshawk *Accipiter gentilis* in Britain. Ph.D. dissertation, Imperial College of Science, Technology and Medicine, London, UK.
- TOYNE, E. P. 1997. Nesting chronology of Northern Goshawks (*Accipiter gentilis*) in Wales: implications for forest management. *Forestry* 70:121–127.
- TOYNE, E. P. 1998. Breeding season diet of the Goshawk *Accipiter gentilis* in Wales. *Ibis* 140:569–579.
- TOYNE, E. P., AND R. W. ASHFORD. 1997. Blood parasites of nestling Goshawks. *Journal of Raptor Research* 31: 81–83.
- TRENT, T. T., AND O. J. RONGSTAD. 1974. Home range and survival of cottontail rabbits in southwestern Wisconsin. *Journal of Wildlife Management* 38:459–472.
- TRIMBLE NAVIGATION LTD. 1992. Trimble PFINDER™ software user's guide. Sunnyvale, CA.
- TRIMBLE NAVIGATION LTD. 1994. Mapping systems general reference for Trimble global positioning system (GPS) products. Sunnyvale, CA.
- TROMMER, G. 1964. Trichomoniasis bei Habichtsnestlingen in freier Wildbahn. *Jahrbuch des Deutschen Falkenordens* 1964:69–70.
- TUCKER, G. M., AND M. F. HEATH. 1994. *Birds in Europe: their conservation status*. BirdLife International, Cambridge, UK.
- TUFTS, R. W. 1961. *Birds of Nova Scotia*. Nova Scotia Museum, Halifax, NS, Canada.
- TUHY, J.S., C. CARROLL, P. COMER, G. GREEN, G. LAMPMAN, M.L. KHOURY, C. MCCARTHY, B. NEELY, AND M. TUFFLY. 2004. A conservation assessment of the Utah high plateau ecoregion. The Nature Conservancy, Moab Project Office, Moab UT.
- TURCHIN, P. 2003. Complex population dynamics. A theoretical/empirical synthesis. *Monographs in Population Biology* 35. Princeton University Press, Princeton, NJ.
- TURNER, M. G., AND W. H. ROMME. 1994. Landscape dynamics in crown fire ecosystems. *Landscape Ecology* 9:59–77.
- TURNER, M. G., W. H. ROMME, AND D. B. TINKER. 2003. Surprises and lessons from the 1988 Yellowstone fires. *Frontiers in Ecology and the Environment* 1:351–358.
- U.S. DEPARTMENT OF AGRICULTURE. 1999. Sustaining the people's lands: recommendations for stewardship of the national forests and grasslands into the next century. Committee of Scientists Report, Washington Office, Washington, DC.
- U.S. NAVAL OBSERVATORY NAUTICAL ALMANAC OFFICE. 1999. The astronomical almanac for the year 1999. U.S. Government Printing Office, Washington, DC.
- UETA, M., F. SATO, E. G. LOBKOV, AND N. MITA. 1998. Migration route of White-tailed Sea Eagles (*Haliaeetus albicilla*) in northeastern Asia. *Ibis* 140:684–686.
- UETA, M., F. SATO, H. NAKAGAWA, AND N. MITA. 2000. Migration routes and differences of migration schedule between adult and young Steller's Sea Eagles. *Ibis* 142:35–39.
- UNGER, W. 1971. Habicht, *Accipiter gentilis*, und Sperber, *Accipiter nisus*, im Spiegel der Beringung. *Beiträge zur Vogelkunde* 17:135–154.
- URQUHART, N. S., AND T. M. KINCAID. 1999. Trend detection in repeated surveys of ecological responses. *Journal of Agricultural, Biological and Environmental Statistics* 4:404–414.
- USDA AND USDI. 1994. Final supplemental environmental impact statement on management of habitat for late-successional and old-growth forest related species within the range of the Northern Spotted Owl. Portland, OR.
- USDA FOREST SERVICE. 1980. Cassia timber environmental assessment. USDA Forest Service, Sawtooth National Forest, Twin Falls, ID.
- USDA FOREST SERVICE. 1987. Land and resource management plan for the Sawtooth National Forest. USDA Forest Service, Sawtooth National Forest, Twin Falls, ID.
- USDA FOREST SERVICE. 1988a. Forest inventory and analysis database. On file at Interior West Resources Inventory, Monitoring and Evaluation. USDA Forest Service, Intermountain Region, Ogden, UT.
- USDA FOREST SERVICE. 1988b. Wildlife, fish, and sensitive plant habitat management. Forest Service Handbook. Amendment 2600-95-6. Washington, DC.
- USDA FOREST SERVICE. 1991a. Threatened, endangered, and sensitive species of plants and animals. Manual 2600, USDA Forest Service, Sawtooth National Forest, Twin Falls, ID.
- USDA FOREST SERVICE. 1991b. Management guidelines for the Northern Goshawk in the southwestern region. *Federal Register* 56:28853–28859.
- USDA FOREST SERVICE. 1992a. Final environmental impact statement on management for the Northern Spotted Owl in the national forests. USDA Forest Service, Pacific Northwest Region, Portland, OR.
- USDA FOREST SERVICE. 1992b. Management guidelines for the Northern Goshawk in the southwestern region. *Federal Register* 57:27424–27435.
- USDA FOREST SERVICE. 1993a. Northern Goshawk management, southwestern region. *Federal Register* 58: 63910–63911.
- USDA FOREST SERVICE. 1993b. Viability assessments and management considerations for species associated with late-successional and old-growth forests of the Pacific Northwest. Scientific Analysis Team, Portland, OR.
- USDA FOREST SERVICE. 1994a. Revised decision notice for the continuation of interim management direction establishing riparian, ecosystem and wildlife standards for timber sales. Regional Forester's Plan Amendment #1, USDA Forest Service, Region 6, Portland, OR.
- USDA FOREST SERVICE. 1994b. Record of decision for amendments to Forest Service and Bureau of Land Management planning documents within the range

- of the Northern Spotted Owl. USDA Forest Service, Pacific Northwest Region, Portland, OR.
- USDA FOREST SERVICE. 1995. Final environmental impact statement for amendment of forest plans. USDA Forest Service, Southwestern Region, Albuquerque, NM.
- USDA FOREST SERVICE. 1996. Record of decision for amending forest plans for Arizona and New Mexico. USDA Forest Service, Southwestern Region Albuquerque, NM.
- USDA FOREST SERVICE. 1997. Tongass land management plan revision. R10-MB-338b, Ketchikan, AK.
- USDA FOREST SERVICE. 2000a. Survey methodology for Northern Goshawks in the Pacific Southwest Region. USDA Forest Service Pacific Southwest Region. Vallejo, CA.
- USDA FOREST SERVICE. 2000b. Spruce bark beetle in Alaska. Alaska Region Briefing Paper, Juneau, AK.
- USDA FOREST SERVICE. 2004. The healthy forests initiative and healthy forests restoration act: interim field guide. USDA Forest Service and USDI Bureau of Land Management FS-799. Washington, DC.
- USDA FOREST SERVICE. 2001a. Black Hills National Forest phase I amendment. Black Hills National Forest, Custer, SD.
- USDA FOREST SERVICE. 2001b. Sierra Nevada forest plan amendment final environmental impact statement and record of decision. Pacific Southwest Region, Vallejo, CA.
- USDA FOREST SERVICE. 2003. Review of the request to correct information disseminated by USDA Forest Service "In management recommendations for the Northern Goshawk in the southwestern United States." USDA Forest Service, Rocky Mountain Research Station, Ft. Collins, CO.
- USDA FOREST SERVICE. 2004. The Sierra Nevada forest plan amendment final supplemental environmental impact statement and record of decision. R5-MB-046. USDA Forest Service, Pacific Southwest Region, Vallejo, CA.
- USDI FISH AND WILDLIFE SERVICE. 1988. Final environmental assessment: falconry and raptor propagation regulations. Washington, DC.
- USDI FISH AND WILDLIFE SERVICE. 1991. Endangered and threatened wildlife and plants; animal candidate review for listing as endangered or threatened species, proposed rule. Federal Register 56:58804-58836.
- USDI FISH AND WILDLIFE SERVICE. 1992a. Endangered and threatened wildlife and plants; initiation of status review and request for information on the northern goshawk. Federal Register 57:544-548.
- USDI FISH AND WILDLIFE SERVICE. 1992b. Endangered and threatened wildlife and plants; notice of 90-day finding on petition to list the northern goshawk as endangered or threatened in the southwestern United States. Federal Register 57:28474-28476.
- USDI FISH AND WILDLIFE SERVICE. 1994. August 26, 1994. Endangered and threatened wildlife and plants; 90-day finding for a petition to list the Queen Charlotte goshawk and request for additional information. Federal Register 59:44124.
- USDI FISH AND WILDLIFE SERVICE. 1995a. June 29, 1995. Endangered and threatened wildlife and plants; 12-month finding for a petition to list the Queen Charlotte goshawk as endangered. Federal Register 60:33784-33786.
- USDI FISH AND WILDLIFE SERVICE. 1995b. Recovery plan for the Mexican Spotted Owl. Vol. 1. USDI Fish and Wildlife Service, Albuquerque, NM.
- USDI FISH AND WILDLIFE SERVICE. 1996. Policy regarding the recognition of distinct vertebrate population segments under the Endangered Species Act. Federal Register 61:4722-4725.
- USDI FISH AND WILDLIFE SERVICE. 1997. Endangered and threatened wildlife and plants; 90-day finding for a petition to list the Northern Goshawk in the contiguous United States west of the 100th meridian. Federal Register 62:50892-50896.
- USDI FISH AND WILDLIFE SERVICE. 1998a. Status review of the Northern Goshawk in the forested West. Office of Technical Support, Forest Resources, Portland, OR. <http://pacific.fws.gov/news/pdf/gh_sr.pdf> (23 September 2005).
- USDI FISH AND WILDLIFE SERVICE. 1998b. Endangered and threatened wildlife and plants; notice of 12-month finding on a petition to list the Northern Goshawk in the contiguous United States west of the 100th meridian. Federal Register 63:35183-35184.
- USDI FISH AND WILDLIFE SERVICE. 2005. 12-Month finding on a petition to list the Queen Charlotte goshawk as threatened or endangered. Federal Register 70:74284-74285.
- USGS GAP ANALYSIS PROGRAM. 1995. State gap analysis data. Utah Cooperative Fish and Wildlife Research Unit. Utah State University, Logan, UT.
- USGS GAP ANALYSIS PROGRAM. 2000. A handbook for conducting gap analysis <www.gap.uidaho.edu/handbook> (4 November 2005).
- USGS SURVEY. 1997. Digital elevation model (90 m) for Wyoming. Spatial Data and Visualization Center, Laramie, Wyoming <www.sdvc.uwyo.edu/clearinghouse/All.html> (4 November 2005).
- USGS SURVEY. 2000. Arizona national biological information infrastructure. <usgsbrd.snr.arizona.edu> (4 November 2005).
- UTAH DIVISION OF WILDLIFE RESOURCES. 2000. Utah black bear management plan. Publication No. 00-23. Utah Division of Wildlife Resources. Salt Lake City, UT.
- UTAH DIVISION OF WILDLIFE RESOURCES. 2005. Utah wolf management plan. Publication No. 05-17. Utah Division of Wildlife Resources. Salt Lake City, UT.
- UTTENDÖRFER, O. 1952. Neue Ergebnisse über die Ernährung der Greifvögel und Eulen. Eugen Ulmer Verlag, Stuttgart, Germany.
- VAHLE, J. R. 1978. Red squirrel use of southwestern mixed coniferous habitat. M.S. thesis, Arizona State University, Tempe, AZ.
- VAHLE, J. R., AND D. R. PATTON. 1983. Red squirrel cover requirements in Arizona mixed conifer forests. Journal of Forestry 81:14-15.

- VÄISÄNEN, R. A., JÄRVINEN, O. AND P. RAUHALA. 1986. How are extensive human-caused habitat alterations expressed on the scale of local bird populations in boreal forest? *Ornis Scandinavica* 17:282–292.
- VÄISÄNEN, R. A., KOSKIMIES, P., AND E. LAMMI. 1998. Muuttuva pesimälinnusto. Otava, Keuruu, Finland.
- VALKAMA, J., AND J. HAAPALA. 2002. Rengastusvuosi 2002. Pp. 109–117 in K. Ruokolainen. (editor). Linnutusikirja 2002. BirdLife, Helsinki, Finland.
- VALKEAJÄRVI, P., AND L. IJÄS. 1994. Comparison of breeding success between fed and unfed Black Grouse in central Finland. *Suomen Riista* 40:98–109.
- VAN BEUSEKOM, C. F. 1972. Ecological isolation with respect to food between Sparrowhawk and Goshawk. *Ardea* 60:72–94.
- VAN HORNE, B. 1983. Density as a misleading indicator of habitat quality. *Journal of Wildlife Management* 47: 893–901.
- VAN HORNE, B., G. S. OLSON, R. L. SCHOOLEY, J. G. CORN, AND K. P. BURNHAM. 1997. Effects of drought and prolonged winter on Townsend's ground squirrel demography in shrub steppe habitats. *Ecological Monographs* 67:295–315.
- VAN LENT, T. 2004. De Havik *Accipiter gentilis* op de Utrechtse Heuvelrug van 1965–1970: broedresultaten, prooiresten en ruiveren. *De Takkeling* 12:118–144.
- VAN MANEN, W. 2004. Waarom kiest de Havik *Accipiter gentilis* in Białowieża (Oost-Polen) voor naaldbos? *De Takkeling* 12:76–80.
- VAN ROSSEM, A. J. 1938. A Mexican race of the Goshawk (*Accipiter gentilis* [Linnaeus]). *Proceedings Biological Society Washington* 51:99–100.
- VANDER WALL, S., AND R. P. BALDA. 1981. Ecology and evolution of food-storing behavior in conifer-seed caching corvids. *Zeitschrift fuer Teirpsychologic und Futtermittelkunde* 56:217–242.
- VANDER WALL, S. AND R. P. BALDA. 1983. Remembrance of seeds stashed. *Natural History* 92:60–65.
- VARGA, Z., Á. BEZECZKY, AND L. DARÁNYI. 2000. Survey on the population changes and breeding success of birds of prey and the Raven (*Corvus corax*) in the Börzsöny hills (Hungary) between 1983–1994. *Aquila* 105–106: 56–69.
- VEIGA, J. P. 1982. Ecología de las rapaces de un ecosistema de montaña. Aproximación a su estructura comunitaria. Ph.D. dissertation, University of Madrid, Madrid, Spain.
- VEIT, R. R., AND W. R. PETERSEN. 1993. Birds of Massachusetts. Massachusetts Audubon Society, Lincoln, MA.
- VERDEJO, J. 1994. Datos sobre la reproducción y alimentación del Azor (*Accipiter gentilis*) en un área mediterránea. *Ardeola* 41:37–43.
- VERNER, J. 1985. Assessment of counting techniques. *Current Ornithology* 2:247–302.
- VERNER, J., AND A. S. BOSS. 1980. California wildlife and their habitats: western Sierra Nevada. USDA Forest Service General Technical Report PSW-37. USDA Forest Service, Pacific Southwest Forest and Range Experiment Station, Berkeley, CA.
- VERTS, B. J., AND L. N. CARRAWAY. 1984. Keys to the mammals of Oregon, 3rd ed. Oregon State University, Corvallis, OR.
- VILLAGE, A. 1983. The role of nest-site availability and territorial behaviour in limiting the breeding density of Kestrels. *Journal of Animal Ecology* 52:635–645.
- VILLAGE, A. 1990. The Kestrel. T. & A.D. Poyser Ltd., Calton, UK.
- VOIPIO, P. 1946. Zur rassenfrage der Finnischen Huhnerhabichte. *Ornis Fennica* 1:3–18.
- WAARDENBURG, P. A. 1976. Die Auswirkungen einiger menschlicher Störungsfaktoren auf die Siedlungsdichte des Habichts (*Accipiter gentilis*). *Jahrbuch des Deutschen Falkenordens* 1976/77:46–49.
- WALLS, S. S., AND R. E. KENWARD. 1995. Movements of radio-tagged Common Buzzards *Buteo buteo* in their first year. *Ibis* 137:177–182.
- WALLS, S. S., AND R. E. KENWARD. 1998. Movements of radio-tagged Buzzards *Buteo buteo* in early life. *Ibis* 140:561–568.
- WALSH, J., V. ELIA, R. KANE, AND T. HALLIWELL. 1999. Birds of New Jersey. New Jersey Audubon Society, Bernardsville, NJ.
- WALTERS, C. J., AND C. S. HOLLING. 1990. Large-scale management experiments and learning by doing. *Ecology* 71:2060–2068.
- WARD, J. M., AND P. L. KENNEDY. 1994. Approaches to investigating food limitation hypotheses in raptor populations: an example using the Northern Goshawk. *Studies in Avian Biology* 16:114–118.
- WARD, J. M., AND P. L. KENNEDY. 1996. Effects of supplemental food on size and survival of juvenile Northern Goshawks. *Auk* 113:200–208.
- WARD, J. P., JR. 2001. Ecological responses by Mexican Spotted Owls to environmental variation in the Sacramento Mountains, New Mexico. Ph.D. dissertation, Colorado State University, Fort Collins, CO.
- WASSINK, G. 2003. Eerste broedgeval van Oehoe *Bubo bubo* in de Achterhoek. *Limosa* 76:1–10.
- WATSON, J. 1997. The Golden Eagle. T. & A.D. Poyser Ltd., London, UK.
- WATSON, J. W., D. W. HAYES, S. P. FINN, AND P. MEEHAN-MARTIN. 1998. Prey of breeding Northern Goshawks in Washington. *Journal of Raptor Research* 32:297–305.
- WATSON, J. W., D. W. HAYS, AND D. J. PIERCE. 1999. Efficacy of Northern Goshawk broadcast surveys in Washington State. *Journal of Wildlife Management* 63:98–106.
- WATTEL, J. 1973. Geographical differentiation in the genus *Accipiter*. *Publications of the Nuttall Ornithology Club* No. 13.
- WEATHERS, W. W., AND K. A. SULLIVAN. 1993. Seasonal patterns of time and energy allocation by birds. *Physiological Zoology* 66:511–536.
- WEAVER, H. 1943. Fire as an ecological and silvicultural factor in the ponderosa pine region of the Pacific slope. *Journal of Forestry* 41:7–14.
- WEAVER, H. 1961. Ecological changes in the ponderosa pine forest of Cedar Valley in southern Washington. *Ecology* 42:416–420.

- WEBER, M. 2001. Untersuchungen zu Greifvogelbestand, Habitatstruktur und Habitatveränderung in ausgewählten Gebieten von Sachsen-Anhalt und Mecklenburg-Vorpommern. Ph.D. dissertation, University of Halle, Halle, Germany.
- WEBSTER, J. D. 1988. Some bird specimens from Sitka, Alaska. *Murrelet* 69:46–48.
- WEGGE, P., I. GJERDE, J. ROLSTAD, L. KASTALEN, AND S. STORAAS. 1990. Does forest fragmentation increase the mortality rate of Capercaillie? *Transactions of the International Union of Game Biologists* 19:448–453.
- WESOŁOWSKI, T., D. CZESZCZEWIK, C. MITRUS, AND P. ROWIŃSKI. 2003. Ptaki Białawieskiego Parku Narodowego. *Notatki Ornitologiczne* 44:1–31.
- WHALEY, W. H., AND C. M. WHITE. 1994. Trends in geographic variation of Cooper's Hawks and Northern Goshawk in North America: a multivariate analysis. *Proceedings of the Western Foundation of Vertebrate Zoology* 5:161–209.
- WHARTON, S. W., AND M. F. MYERS. 1997. MTPE EOS data products handbook. Vol. 1. Publication 902, NASA Goddard Space Flight Center, Greenbelt, MD.
- WHEELER, B. K. 2003. *Raptors of western North America*. Princeton University Press, Princeton, NJ.
- WHEELER, B. K., AND W. S. CLARK. 1995. *A photographic guide to North American raptors*. Academic Press, San Diego, CA.
- WHITCOMB, R. F., C. S. ROBBINS, J. F. LYNCH, B. L. WHITCOMB, M. K. KLIMKIEWICZ, AND D. BYSTRAK. 1981. Effects of forest fragmentation on avifauna of the eastern deciduous forests. Pp. 125–205 in R. L. Burgess, and D. M. Sharp (editors). *Forest island dynamics in man-dominated landscapes*. Springer-Verlag, New York, NY.
- WHITE, A. S. 1985. Presettlement regeneration patterns in a southwestern ponderosa pine stand. *Ecology* 66: 589–594.
- WHITE, C., AND L. KIFF. 1998. Language use and misapplied selective science; their roles in swaying public opinion and policy as shown with two North American raptors. *Proceedings of the Holarctic Birds of Prey Conference*. Badajoz, Spain.
- WHITE, C. M., G. D. LLOYD, AND G. L. RICHARDS. 1965. Goshawk nesting in the upper Sonoran in Colorado and Utah. *Condor* 67:269.
- WHITE, G. C., AND GARROTT, R. A. 1990. *Analysis of wildlife radio-tracking data*. Academic Press, San Diego, CA.
- WHITE, M. A., AND J. L. VANKAT. 1993. Middle and high elevation coniferous forest communities of the north rim region of Grand Canyon National Park, Arizona, USA. *Vegetatio* 109:161–174.
- WHITNEY, S. 1979. *A Sierra Club naturalists guide: the Sierra Nevada*. Sierra Nevada Books. San Francisco, CA.
- WIDÉN, P. 1981. Activity pattern of goshawks in Swedish boreal forests. Pp. 114–120 in R. E. Kenward, and I. M. Lindsay (editors). *Understanding the Goshawk*. International Association for Falconry and Conservation of Birds of Prey, Oxford, UK.
- WIDÉN, P. 1984. Activity patterns and time-budget in the Goshawk *Accipiter gentilis* in a boreal forest area in Sweden. *Ornis Fennica* 61:109–112.
- WIDÉN, P. 1985a. Population ecology of the Goshawk (*Accipiter gentilis* L.) in the boreal forest. Ph.D. dissertation, Acta Universitatis Upsaliensis, Upsala, Sweden.
- WIDÉN, P. 1985b. Breeding and movements of Goshawks in boreal forests in Sweden. *Holarctic Ecology* 8: 273–279.
- WIDÉN, P. 1987. Goshawk predation during winter, spring and summer in a boreal forest area of central Sweden. *Holarctic Ecology* 10:104–109.
- WIDÉN, P. 1989. The hunting habitats of Goshawks *Accipiter gentilis* in boreal forests of central Sweden. *Ibis* 131:205–213.
- WIDÉN, P. 1994. Habitat quality for raptors: a field experiment. *Journal of Avian Biology* 25:219–223.
- WIDÉN, P. 1997. How and why is the Goshawk (*Accipiter gentilis*) affected by modern forest management in Fennoscandia? *Journal of Raptor Research* 31:107–113.
- WIDÉN, P., P. ANGELSTAM, AND E. LINDSTRÖM. 1987. The effect of prey vulnerability: Goshawk predation and population fluctuations of small game. *Oikos* 49:233–235.
- WIELICZKO, A., T. PIASECKI, G. M. DORRESTEIN, A. ADAMSKI, AND M. MAZURKIEWICZ. 2003. Evaluation of the health status of Goshawk chicks (*Accipiter gentilis*) nesting in Wrocław vicinity. *Bulletin of the Veterinary Institute of Pulawy* 47:247–257.
- WIENS, J. 1996. Wildlife in patchy environments: metapopulations, mosaics, and management. Pp. 53–84 in D. R. McCullough (editor). *Metapopulations and wildlife conservation*. Island Press, Washington, DC.
- WIENS, J. A. 1989. *The ecology of bird communities*. Vol. 2. Processes and variations. University Press, Cambridge, UK.
- WIENS, J. A. 2001. The landscape context of dispersal. Pp. 96–109 in J. Clobert, E. Danchin, A. A. Dhondt, and J. D. Nichols (editors). *Dispersal*. Oxford University Press, Oxford, UK.
- WIENS, J. D. 2004. Post-fledging survival and natal dispersal of juvenile Northern Goshawks in Arizona. M.S. thesis, Colorado State University, Fort Collins, CO.
- WIENS, J. D., B. R. NOON, AND R. T. REYNOLDS. 2006a. Post-fledging survival of Northern Goshawks: the importance of prey abundance, weather, and dispersal. *Ecological Applications* 16:406–418.
- WIENS, J. D., AND R. T. REYNOLDS. 2005. Is fledging success a reliable index of fitness in Northern Goshawks? *Journal of Raptor Research* 39:210–221.
- WIENS, J. D., R. T. REYNOLDS, AND B. R. NOON. 2006b. Juvenile fidelity and natal dispersal in an isolated population of Northern Goshawks. *Condor* 108:253–269.
- WIESMÜLLER, T., P. SÖMMER, M. VOLLAND, AND B. SCHLATTERER. 2002. PCDDs/PSDFs, PCBs, and organochlorine pesticides in eggs of Eurasian Sparrowhawks (*Accipiter nisus*), hobbies (*Falco subbuteo*), and Northern Goshawks (*Accipiter gentilis*) collected in the area of Berlin-Brandenburg, Germany. *Archives*

- of Environmental Contamination and Toxicology 42: 486–496.
- WIJANDTS, H. 1984. Ecological energetics of the Long-eared Owl (*Asio otus*). *Ardea* 72:1–92.
- WIKMAN, M., AND H. LINDÉN. 1981. The influence of food supply on Goshawk population size. Pp. 105–113 in R. E. Kenward, and I. M. Lindsay (editors). *Understanding the Goshawk*. International Association for Falconry and Conservation of Birds of Prey, Oxford, UK.
- WIKMAN, M., AND V. TARSA. 1980. Kanahaukan pesimäaikaisesta ravinnosta Länsi-Uudellamaalla 1969–77. *Suomen Riista* 28:86–96.
- WILLIAMS, B. K., J. D. NICHOLS, AND M. J. CONROY. 2002. *Analysis and management of animal populations*. Academic Press, San Diego, CA.
- WILLIAMS, D. L. 1986. Mammalian species of special concern in California. Wildlife Management Division Administrative Report 86-1. California Department of Fish and Game, Sacramento, CA.
- WILLIAMS, R. E., AND M. A. MARSDEN. 1982. Modeling probability of root disease center occurrence in northern Idaho forests. *Canadian Journal of Forest Research* 12:876–882.
- WILSON D. E., AND S. RUFF (EDITORS). 1999. *The Smithsonian book of North American mammals*. Smithsonian Institution Press, Washington, DC.
- WINKLER, R. 1999. *Avifauna der Schweiz*. Zweite, neu bearbeitete Auflage. *Der Ornithologische Beobachter*, Beiheft 10.
- WITTENBERG, J. 1985. Habicht *Accipiter gentilis* jagt zu Fuß in der Stadt. *Anzeiger der Ornithologischen Gesellschaft in Bayern* 24:180.
- WOETS, D. 1998. De Havik *Accipiter gentilis* als broedvogel in De Weerribben: 1980–1997 (deel I). *De Noordwesthoek* 25: 51–58.
- WOLFF, J. O. 1996. Population fluctuations of mast-eating rodents are correlated with production of acorns. *Journal of Mammalogy* 77:85–856.
- WOOD, T. J. 1967. Ecology and population dynamics of the red squirrel (*Tamiasciurus hudsonicus*) in Wood Buffalo National park. M.S. thesis, University of Saskatchewan, SK, Canada.
- WOODBIDGE, B., AND P. J. DETRICH. 1994. Territory occupancy and habitat patch size of Northern Goshawks in the southern Cascades of California. *Studies in Avian Biology* 16:83–87.
- WOODBIDGE, B., P. DETRICH, AND P. H. BLOOM. 1988. Territory fidelity and habitat use by nesting Northern Goshawks: implications for management. Unpublished report. USDA Forest Service, Klamath National Forest, Macdoel, CA.
- WOOLFINDEN, G. E., AND J. W. FITZPATRICK. 1991. Florida Scrub Jay ecology and conservation. Pp. 542–565 in C. M. Perrins, J. D. Lebreton, and G. J. M. Hiron (editors). *Bird population studies: relevance to conservation and management*. Oxford University Press, New York, NY.
- WÜRFELS, M. 1994. Entwicklung einer städtischen Population des Habichts (*Accipiter gentilis*) und die Rolle der Elster (*Pica pica*) im Nahrungsspektrum des Habichts—Ergebnisse vierjähriger Beobachtungen im Stadtgebiet von Köln. *Charadrius* 30:82–93.
- WÜRFELS, M. 1999. Ergebnisse weiterer Beobachtungen zur Populationsentwicklung des Habichts (*Accipiter gentilis*) im Stadtgebiet von Köln 1993–1998 und zur Rolle der Elster (*Pica pica*) im Nahrungsspektrum des Habichts. *Charadrius* 35:20–32.
- WYKOFF, W. R., AND R. A. MONSERUD. 1988. Representing site quality in increment models: a comparison of methods. Pp. 184–191 in A. R. Ek, S. R. Shifley, and T. E. Burk (editors). *Forest growth modeling and prediction*. USDA Forest Service General Technical Report NC-120. USDA Forest Service, North Central Research Station, St. Paul, MN.
- YEATMAN, L. 1976. *Atlas des oiseaux nicheurs de France*. Société Ornithologique de France, Paris, France.
- YOUNK, J. V. 1996. Breeding ecology of the Northern Goshawk in relation to surface gold mining in naturally-fragmented aspen forests of northern Nevada. M.S. thesis, Boise State University, Boise, ID.
- YOUNK, J. V., AND M. J. BECHARD. 1994a. Breeding ecology of the Northern Goshawk in high-elevation aspen forests of northern Nevada. *Studies in Avian Biology* 16:119–121.
- YOUNK, J. V., AND M. J. BECHARD. 1994b. Effect of gold mining activity on Northern Goshawks breeding in Nevada's Independence and Bull Run Mountains. Final Report, Raptor Research Center, Boise State University, Boise, ID.
- ZACHEL, C. R. 1985. Food habits, hunting activity, and post-fledging behavior of Northern Goshawks (*Accipiter gentilis*) in interior Alaska. M.S. thesis, University of Alaska, Fairbanks, AK.
- ZAMMUTO R. M., E. C. FRANKS, AND C. R. PRESTON. 1981. Factors associated with the interval between feeding visits in brood rearing Chimney Swifts. *Journal of Field Ornithology* 52:134–139.
- ZANETTE, L., P. DOYLE, AND S. M. TREMONT. 2000. Food shortage in small fragments: evidence from an area-sensitive passerine. *Ecology* 81:1654–1666.
- ZANETTE, L., AND B. JENKINS. 2000. Nesting success and nest predators in forest fragments: a study using real and artificial nests. *Auk* 117:445–454.
- ZANETTE, L., J. N. M. SMITH, H. VAN OORT, AND M. CLINCHY. 2003. Synergistic effects of food and predators on annual reproductive success in Song Sparrows. *Proceedings of the Royal Society of London, Biological Sciences* 270:799–803.
- ZANG, H. 1989. Habicht. Pp. 118–134 in H. Zang, H. Heckenroth, and F. Knolle (editors). *Die Vögel Niedersachsens und des Landes Bremens—Greifvögel-Naturschutz und Landschaftspflege in Niedersachsen, Sonderreihe B, Heft 2.3*.
- ZANGHELLINI, S., AND M. FASOLA. 1991. Breeding habitats of the Sparrowhawk and the Goshawk at three spatial scales in the southern Alps. *Atti V Convegno Italiano di Ornitologia* 17:329–332.
- ZAR, J. H. 1996. *Biostatistical analysis*. 3rd ed. Prentice-Hall, Upper Saddle River, NJ.

- ZARET, T. M., AND A. S. RAND 1971. Competition in tropical stream fishes: support for the competitive exclusion principle. *Ecology* 52:336–342.
- ZAWADZKA, D., AND J. ZAWADZKI. 1998. The Goshawk *Accipiter gentilis* in Wigry National Park (NE Poland)—numbers, breeding results, diet composition and prey selection. *Acta Ornithologica* 33:182–190.
- ZEINER, D. C., W. F. LAUDENSLAYER, JR., K. E. MAYER, AND M. WHITE. 1990. California's wildlife. Vol. 2, birds. California Department of Fish and Game, Sacramento, CA.
- ZIELINSKI, W. J., W. D. SPENCER, AND R. D. BARRETT. 1983. Relationship between food habits and activity patterns of pine martens. *Journal of Mammalogy* 64:387–396.
- ZIESEMER, F. 1981. Methods of assessing Goshawk predation. Pp. 144–150 in R. E. Kenward, and I. M. Lindsay (editors). *Understanding the Goshawk*. International Association for Falconry and Conservation of Birds of Prey, Oxford, UK.
- ZIESEMER, F. 1983. Untersuchungen zum Einfluss des Habichts (*Accipiter gentilis*) auf Populationen seiner Beutetiere. Beiträge zur Wildbiologie Heft 2. Ph.D. dissertation, University of Kiel, Kiel, Germany.
- ZIESEMER, F. 1999. Habicht (*Accipiter gentilis*) und Wespenbussard (*Pernis apivorus*)—zwei Jäger im Verborgenen: Was hat die Telemetrie Neues gebracht? *Egretta* 42:40–56.
- ZIGLIO, E. 1996. The Delphi method and its contribution to decision-making. Pp. 4–33 in M. Adler, and E. Ziglio (editors). *Gazing into the Oracle: the Delphi method and its application to social policy and public health*. Jessica Kingsley Publishers, Bristol, PA.
- ZIJLMANS, N. 1995. De Havik *Accipiter gentilis* in en om Amsterdam. *De Takkeling* 3:36–39.
- ZINN, L. J., AND T. J. TIBBITTS. 1990. Goshawk nesting survey, 1990. North Kaibab Ranger District, Kaibab National Forest, Arizona. CCSA # 07-90-02, Nongame and Endangered Wildlife Program. Arizona Game and Fish Department, Phoenix, AZ.
- ZIRRER, F. 1947. The Goshawk. *Passenger Pigeon* 9:79–94.
- ZWICKLE, F. C. 1992. Blue Grouse. *The Birds of North America*, No. 15. In A. Poole, P. Stettenheim, and F. Gill (editors). *The Academy of Natural Sciences, Philadelphia, PA and The American Ornithologists' Union, Washington, DC*.